ZHEJIANG HAPPY PUMP INDUSTRY CO.,LTD.

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Water Unlimited

Professional manufacturer of water pumps

2026

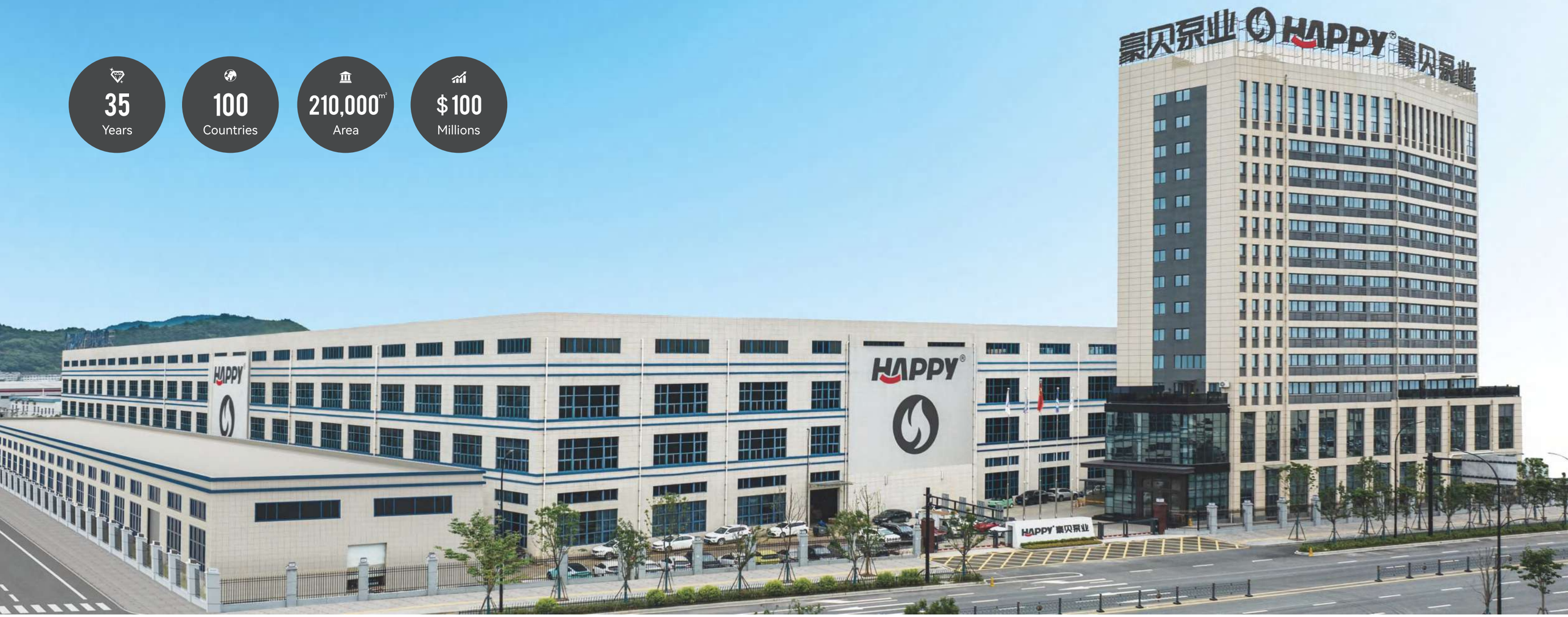
ZHEJIANG HAPPY PUMP INDUSTRY CO.,LTD.

35 Years

100 Countries

210,000㎡ Area

$100 Millions



Company Profile

Zhejiang Happy Pump Industry Co., Ltd. (hereinafter referred to as the "Happy Pump" or "Company") was established in 1990 and is located in Daxi Town, Wenling City, Zhejiang Province, known as the "Hometown of Water Pumps" in China. The Company specializes in the production of medium- to high-end water pumps and motors, and, with its accumulated valuable experience and spirit of continuous innovation, has become a leader in the industry. HAPPY® pumps have gained wide recognition and praise from users in both domestic and international markets due to their excellent and reliable quality and innovative concepts.

The Company covers an area of 55,000 square meters, with a building area of 210,000 square meters, and employs over 800 people, including more than 200 personnel in new product research and development. The Company has formed a high-level talent team with a reasonable structure, strong innovation capabilities, and solid professional qualifications, providing strong human and intellectual support for the Company's sustainable development. The product range includes 11 major series, covering more than 500 specifications, such as vortex pumps, centrifugal pumps, jet pumps, garden pumps, submersible pumps, deep well pumps, swimming pool pumps, permanent magnet variable frequency constant-pressure pumps, standard pumps, intelligent pumps and more. Up to now, the Company's annual sales volume has reached 5 million water pumps, and the Company continues to grow at an annual rate exceeding 20%. Its products are exported to over 100 countries and regions.

Looking to the future, Happy Pump will continue to uphold the business philosophy of "high quality, high efficiency and high service", focus on survival through quality and development through diversity, and remain steadfast in following the path of innovation-driven, green & low-carbon and high-quality development. The Company aims to build an intelligent and green factory, deepen the collaborative innovation mechanism of industry, academia, research and application, expand applications in high-end markets, further strengthen investment in technological R&D, and enhance the level of industry chain coordination. Happy Pump is committed to becoming a world-class pump industry enterprise with global competitiveness.

Smart production

The company has introduced advanced production equipment, automatic assembly production lines and painting lines from Japan and Germany.

Creating the ultimate pump products is our pursuit and goal!

A balance is sought between performance and structure, with high-quality materials and exquisite craftsmanship.

Strive to bring high-quality and high-stability experience to every user.

CE RoHS

Extreme & Classic

The Company has always regarded technological innovation as the core engine for its development. It has developed a digital factory management system and vigorously promoted the transformation and upgrading of intelligent manufacturing. The Company has introduced the automatic rotor processing production lines, automatic cleaning lines, automatic composite processing equipment, automatic motor production lines, coil vacuum impregnation equipment, automatic drying and assembly systems, and other internationally advanced production equipment. In addition, by integrating 3D design systems, CFD (Computational Fluid Dynamics), motor electromagnetic design, finite element analysis and auxiliary design software, the Company has significantly shortened the product development and production cycles. A modern comprehensive pump testing center has been established, covering an area of 2,000 square meters, with a total equipment value exceeding RMB 10 million. This center provides comprehensive technical support for over 20 testing items, including pump performance, component precision, materials, quality and safety regulations. The center is equipped with the large open-type water pump test bench, automatic closed-type water pump test bench (complying with the national Class II accuracy, capable of performance test, cavitation test and vibration measurements), motor performance test bench (testing the motor appearance, insulation performance, temperature rise, vibration, noise, etc.), fire resistance laboratory (equipped with leakage tracking, needle flame burning, horizontal and vertical burning, and glow wire burning testing machines), and IP waterproof testing laboratory, and other advanced equipment. In addition, the Company has introduced efficient ex-factory inspection and testing systems, including automatic water pump performance data collection system and the Japanese FUKEDA high-precision gas testing system. These systems provide strong assurance for the Company's commitment to "Happy products are guaranteed to be high-quality".

Water Unlimited

1990

The company was founded

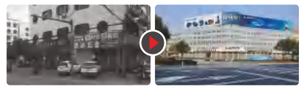
In 1990, Wenling No. 3 Screw Pump Factory was established
In 1997, Taizhou Happy Pump Industry Co., Ltd. was established

2004

In 2004, it participated in foreign exhibitions for the first time
It marks the beginning of Happy pump products to the world

2017

In 2017, it was changed to
Zhejiang Happy Pump Industry Co, Ltd.



Struggling with boats and setting sail to create bright future

Constantly pioneering and innovating
Become a leading enterprise in the field of civil water pump segmentation

2020

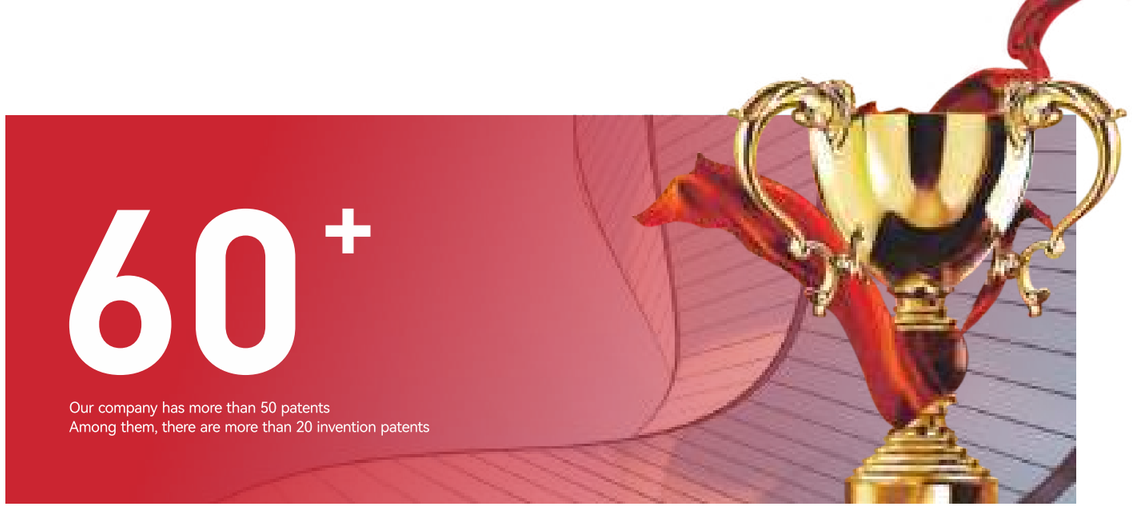
In 2020, we will begin to increase technological transformation, purchase advanced automated production lines, and build digital workshops.

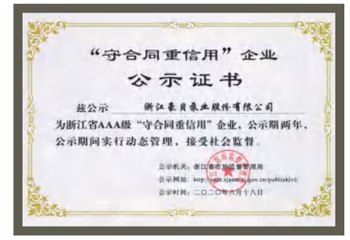
HONORARY QUALIFICATIONS

Advanced equipment, professional technology and strict management have created the high quality of "Happy" brand products.

It has successively won dozens of honors such as National High-tech Enterprise, National Specialized and New Little Giant Enterprise, Zhejiang Science and Technology Little Giant Enterprise, and Zhejiang Export Famous Brand.

"Happy" products are your reliable choice.





The product upgrade will not be notified, and the sample installation size is for reference only

The product upgrade will not be notified, and the sample installation size is for reference only

HPm

Peripheral Pumps

Patented exclusive products

HPm50

HBPm50
(if request)

HPm60

HBPm60
(if request)

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

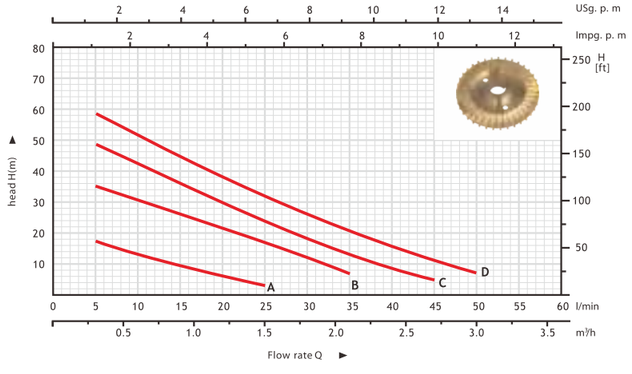
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

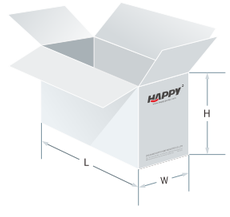
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HPm50**	1"×1"	3.5	267×162×190
B	**HPm60**	1"×1"	4.7	263×162×190
C	**HPm70**	1"×1"	7.1	298×179×221
D	**HPm80**	1"×1"	8	298×179×221



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
				Q(l/min)	0	5	10	15	20	25	30	35	40	45	50
A	**HPm50**	0.11	0.15	H	21	17.5	13.8	10.2	6.5	3					
B	**HPm60**	0.37	0.5		40	35.5	31	26.5	22	17	12	7			
C	**HPm70**	0.55	0.75		55	49	43	37	30	23	17	12	8	5	
D	**HPm80**	0.75	1		65	59	52	45	38	31	25	19	14	10	7

HL

Peripheral Pumps

Patented exclusive products

HBL (if request)

HL

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

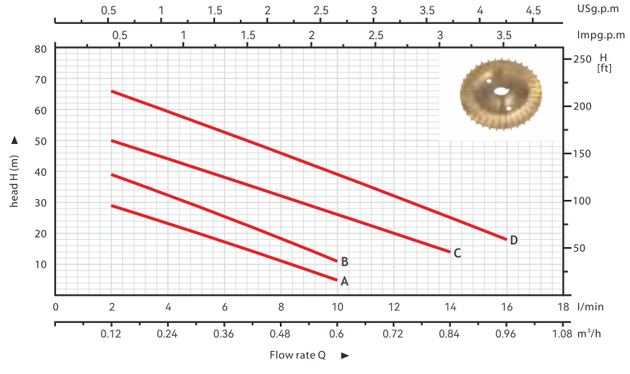
- Two-pole induction motor(n=2850/3450 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz

Operating conditions

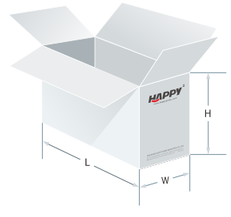
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Brass
Pump support:	Aluminum+Brass
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HL150A** (50Hz)	$\frac{1}{4}$"×$\frac{1}{4}$"	4.4	235×149×176
B	**HL150A** (60Hz)	$\frac{1}{4}$"×$\frac{1}{4}$"	4.4	235×149×176
C	**HL370A** (50Hz)	$\frac{1}{4}$"×$\frac{1}{4}$"	4.6	235×149×176
D	**HL370A** (60Hz)	$\frac{1}{4}$"×$\frac{1}{4}$"	4.6	235×149×176



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.12	0.24	0.36	0.48	0.6	0.72	0.84	0.96
				Q(l/min)	0	2	4	6	8	10	12	14	16
A	**HL150A (50Hz)**	0.15	0.2	H	35	29	23	17	10.5	5			
B	**HL150A (60Hz)**	0.22	0.3		45.5	39	32	24.5	18	11			
C	**HL370A (50Hz)**	0.37	0.5		55	50	45	39	32	26	20	14	
D	**HL370A (60Hz)**	0.55	0.75		72	66	60	54	47	40	32	25	18

HPSm

Self-priming peripheral pumps

Patented exclusive products

HBPSm
(if request)

HPSm

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

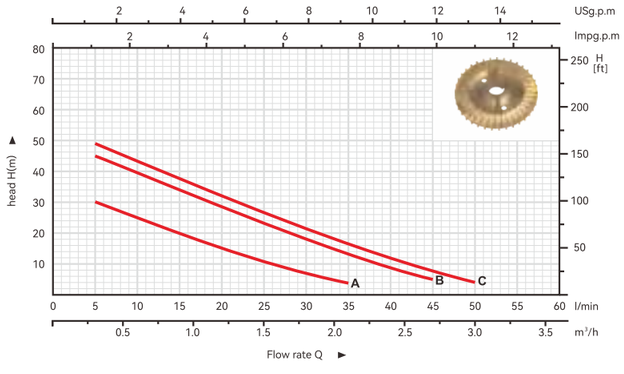
Operating conditions

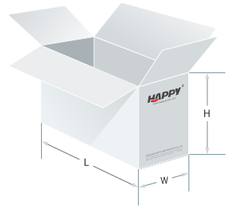
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron, with AISI304 SS insert if request
Pump cover:	Cast iron (electrophoresis), with AISI304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HPSm60**	1"×1"	6.1	260×173×240
B	**HPSm70**	1"×1"	8.7	317×191×253
C	**HPSm80**	1"×1"	9.8	317×191×253

PERFORMANCE CHART AT n=2850RPM





NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
					0	5	10	15	20	25	30	35	40	45	50
A	**HPSm60**	0.37	0.5	H	35	30	25	20	15.5	11	7.5	4			
B	**HPSm70**	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
C	**HPSm80**	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4

HPSm125A~750A

Self-priming peripheral pumps

Patented exclusive products

HBPSm125A~370A
(if request)

HPSm125A~750A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

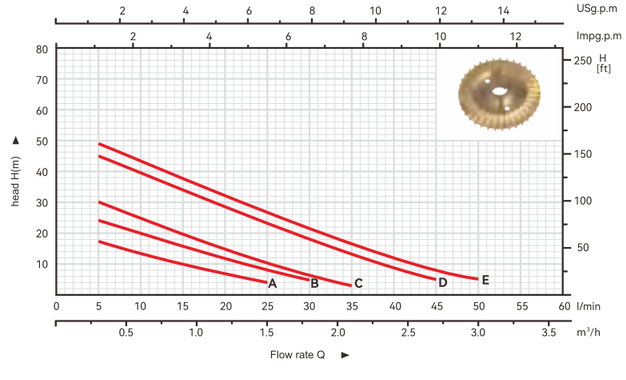
Operating conditions

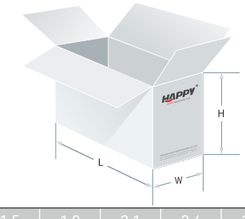
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron, with AISI304 SS insert if request
Pump cover:	Cast iron (electrophoresis), with AISI304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HPSm125A**	1"×1"	6.1	275×220×273
B	**HPSm250A**	1"×1"	6.4	275×220×273
C	**HPSm370A**	1"×1"	6.8	275×220×273
D	**HPSm550A**	1"×1"	9.4	290×232×290
E	**HPSm750A**	1"×1"	10.3	290×232×290

PERFORMANCE CHART AT n=2850RPM





NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
					0	5	10	15	20	25	30	35	40	45	50
A	**HPSm125A**	0.125	0.17	H	21	17.5	14	10	7	4					
B	**HPSm250A**	0.25	0.34		28	24	20	16	12	8.5	5				
C	**HPSm370A**	0.37	0.5		35	30	25	20	15.5	11	7.5	4			
D	**HPSm550A**	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
E	**HPSm750A**	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4

HPSm-A/AX

Smart self-priming pumps

Patented exclusive products

HPSm-A

HBPSm-A
(if request)

HPSm-AX

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

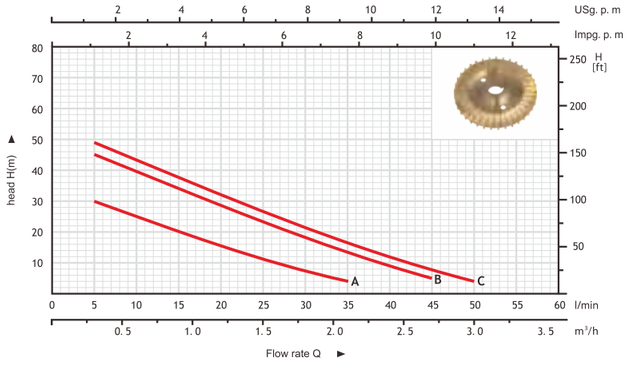
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

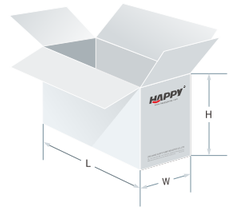
- Liquid temperature up to **80 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron + AISI304 SS insert
Pump cover:	Cast iron (electrophoresis) + AISI304 SS insert
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HPSm60-A/AX**	1"×1"	7.4	275×227×277
B	**HPSm70-A/AX**	1"×1"	10	292×240×300
C	**HPSm80-A/AX**	1"×1"	11	292×240×300



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
					0	5	10	15	20	25	30	35	40	45	50
A	**HPSm60-A/AX**	0.37	0.5	H	35	30	25	20	15.5	11	7.5	4			
B	**HPSm70-A/AX**	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
C	**HPSm80-A/AX**	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4

HKSm-A

Smart self-priming pumps

Patented exclusive products

HBKSm-A
(if request)

HKSm-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

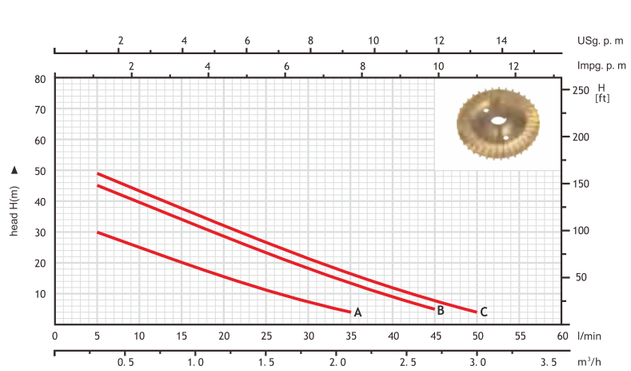
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

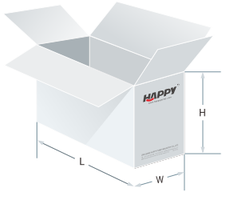
- Liquid temperature up to **80 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron + AISI304 SS insert
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HKSm60-A**	1"×1"	7.4	275×227×277
B	**HKSm70-A**	1"×1"	10	292×240×300
C	**HKSm80-A**	1"×1"	11	292×240×300



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
					0	5	10	15	20	25	30	35	40	45	50
A	**HKSm60-A**	0.37	0.5	H	35	30	25	20	15.5	11	7.5	4			
B	**HKSm70-A**	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
C	**HKSm80-A**	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4

HQ60E

Smart self-priming pumps

Patented exclusive products

HQ60E

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

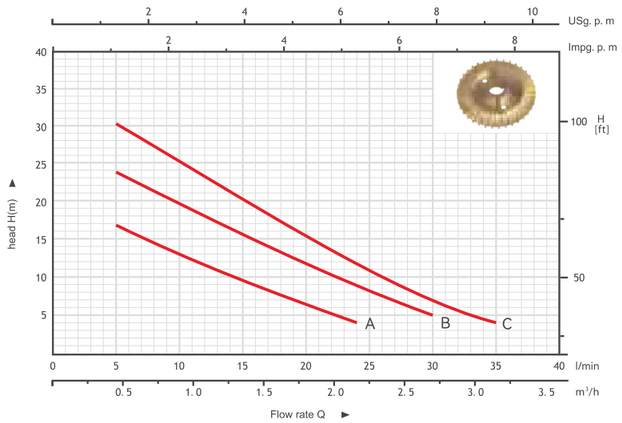
- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

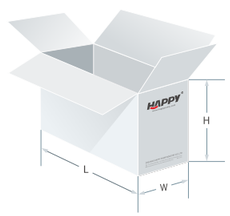
- ※ Liquid temperature up to **80 ℃**
- ※ Ambient temperature up to **40 ℃**
- ※ Total suction lift up to **8 m**

Component	Construction
※ **Pump body:**	Cast iron + AISI304 SS insert
※ **Pump support:**	Cast iron, with brass/AISI 304 SS insert if request
※ **Motor housing:**	Aluminum
※ **Impeller:**	Brass
※ **Motor shaft:**	AISI304 SS
※ **Mechanical seal:**	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HQ60E-125**	1"×1"	5.55	280×155×250
B	**HQ60E-250**	1"×1"	6.8	280×155×250
C	**HQ60E**	1"×1"	7	280×155×250



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
					0	5	10	15	20	25	30	35
A	**HQ60E-125**	0.125	0.17	H	21	17.5	14	10	7	4		
B	**HQ60E-250**	0.25	0.34		28	24	20	16	12	8.5	5	
C	**HQ60E**	0.37	0.5		35	30	25	20	15.5	11	7.5	4

H16~20

DC. Booster Pumps

Patented exclusive products

H16~20

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

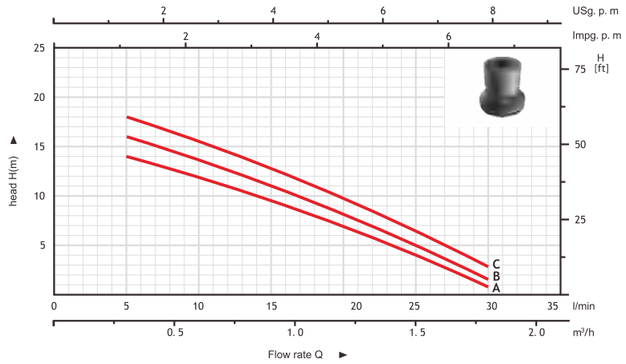
- ※ DC brushless permanent magnet motor
- ※ Insulation **Class B**
- ※ Protection **IP55**
- ※ Continuous service **S1**
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

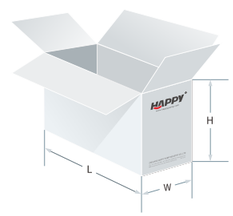
- ※ Liquid temperature up to **80 ℃**
- ※ Ambient temperature up to **40 ℃**

Component	Construction
※ **Pump body:**	Techno-polymer
※ **Motor housing:**	Techno-polymer
※ **Impeller:**	Techno-polymer
※ **Motor shaft:**	Ceramic

PERFORMANCE CHART AT n=7000RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**H16**	1/2"× 1/2"	1.3	180×165×115
B	**H18**	1/2"× 1/2"	1.3	180×165×115
C	**H20**	1/2"× 1/2"	1.4	180×165×115



NO.	MODEL	POWER(IN) W	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8
				0	5	10	15	20	25	30
A	**H16**	80	H	16	14	12	9.5	6.8	3.6	0.5
B	**H18**	100		18	16	13.5	11	8	4.8	1.5
C	**H20**	120		20	18	15.5	13	10	6.5	2.8

2HIC

Inverter automatic pumps

Patented exclusive products

2HIC

HAPPY®
www.happypump.com

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

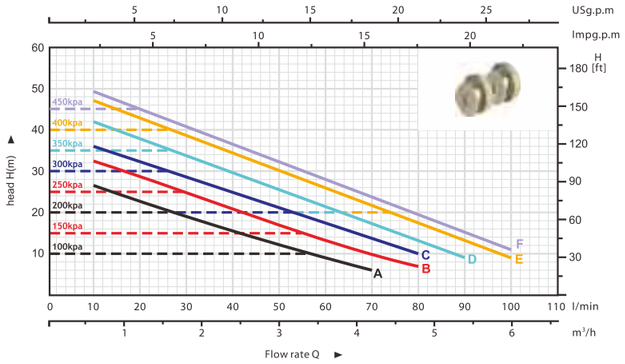
- ※ Permanent magnet synchronous motor
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

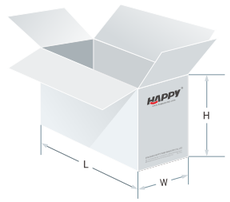
- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **7 m**

Component	Construction
※ **Pump body:**	Techno-polymer
※ **Pump cover:**	Aluminum
※ **Motor housing:**	Aluminum
※ **Impeller:**	Techno-polymer
※ **Motor shaft:**	AISI304
※ **Mechanical seal:**	SIC/Graphite

PERFORMANCE CHART AT n=5500RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**2HIC-300**	1"×1"	6.5	395×276×340
B	**2HIC-400**	1"×1"	6.6	395×276×340
C	**2HIC-500**	1"×1"	7.5	395×276×340
D	**2HIC-600**	1"×1"	7.7	395×276×340
E	**2HIC-700**	1"×1"	7.8	395×276×340
F	**2HIC-800**	1"×1"	8.5	395×276×340



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0 0	0.3 5	0.6 10	1.2 20	1.8 30	2.4 40	3 50	3.6 60	4.2 70	4.8 80	5.4 90	6 100
A	**2HIC-300**	0.34		30	28	26.5	23	19.5	15.5	12	9	6			
B	**2HIC-400**	0.42		35	34	32.5	29	25	21	17	13.5	10	7		
C	**2HIC-500**	0.5	H	40	38	36	32	28	24.5	20.5	17	13.5	10		
D	**2HIC-600**	0.58		45	44	42	37.5	33	29	25	21	17	13	9	
E	**2HIC-700**	0.65		48	47.5	47	43	38	33.5	29	25	21	17	13	9
F	**2HIC-800**	0.75		51	49.5	49	45	40	35	30.5	26.5	22.5	18.5	14.5	10.5

ACQm-P

Centrifugal pumps

Patented exclusive products

HBCQm-P
(if request)

ACQm-P

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

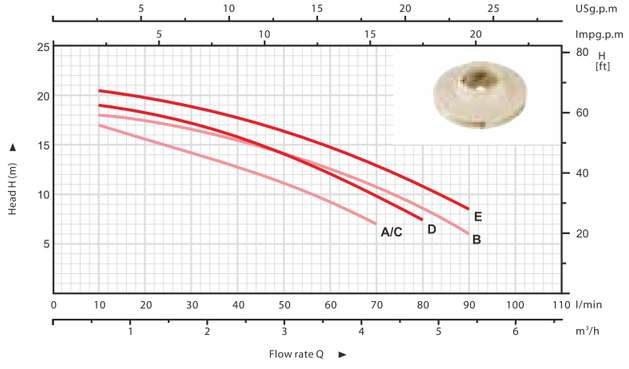
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 110V or 220V/60Hz
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

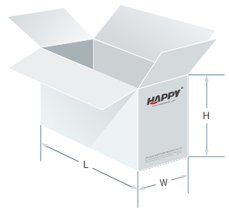
- Liquid temperature up to **40 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Techno-polymer
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**ACQm25P (50Hz)**	1"×1"	4.2	295×190×220
B	**ACQm33P (50Hz)**	1"×1"	4.6	295×190×220
C	**ACQm25P (60Hz)**	1"×1"	3.8	295×190×220
D	**ACQm33P (60Hz)**	1"×1"	4.3	295×190×220
E	**ACQm50P (60Hz)**	1"×1"	5.2	295×190×220



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80	5.4 / 90
A	**ACQm25P (50Hz)**	0.18	0.25	H	18	17	15.8	14.5	13	11.2	9.3	7		
B	**ACQm33P (50Hz)**	0.25	0.33		18.5	18	17.3	16.5	15.5	14.2	12.5	10.5	8.5	6
C	**ACQm25P (60Hz)**	0.18	0.25		18	17	15.8	14.5	13	11.2	9.3	7		
D	**ACQm33P (60Hz)**	0.25	0.33		20	19	17.8	16.5	15	13.5	11.7	9.7	7.5	
E	**ACQm50P (60Hz)**	0.37	0.5		21	20.5	19.8	18.8	17.5	16.2	14.5	12.8	10.8	8.5

AGm

Centrifugal pumps

Patented exclusive products

HBGm
(if request)

AGm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

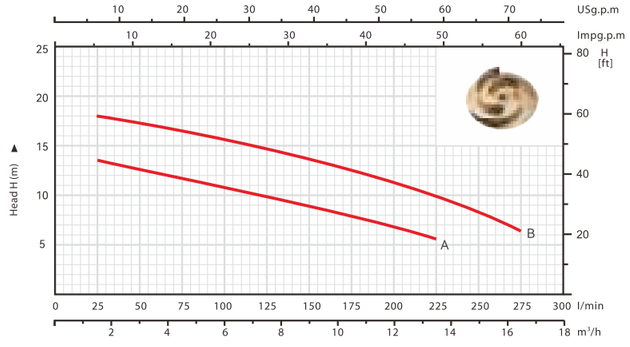
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

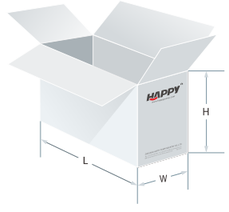
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**AGm/1B**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	11.5	350×215×280
B	**AGm/1A**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	12.7	350×215×280



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.5 / 25	3 / 50	4.5 / 75	6 / 100	7.5 / 125	9 / 150	10.5 / 175	12 / 200	13.5 / 225	15 / 250	16.5 / 275
A	**AGm/1B**	0.55	0.75	H	14.5	13.5	12.5	11.7	11	10	9	8	7	5.5		
B	**AGm/1A**	0.75	1		19	18	17.2	16.4	15.5	14.5	13.5	12.5	11.5	10	8.5	6.5

ACm

Centrifugal pumps

Patented exclusive products

HBCm
(if request)

ACm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

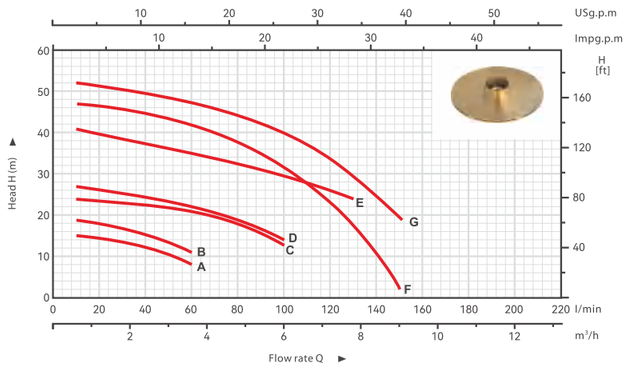
Operating conditions

- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

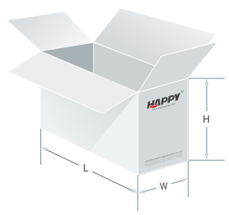
Component / Construction

- **Pump body:** Cast iron
- **Pump support:** Aluminum
- **Motor housing:** Aluminum
- **Impeller:** Brass(0.25~2.2 kW), AISI304 SS(1.1 kW)
- **Motor shaft:** Carbon steel, AISI304 SS if request
- **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**ACm100**	1"×1"	6.2	290×180×230
B	**ACm130**	1"×1"	6.6	290×180×230
C	**ACm146**	1"×1"	9.8	325×205×275
D	**ACm158**	1"×1"	10.8	325×205×275
E	**ACm170**	1"×1"	17.8	400×245×305
F	**ACm190**	$1\frac{1}{4}$"×1"	21.8	430×260×310
G	**AC200**	$1\frac{1}{4}$"×1"	22	430×260×310



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80	5.4 / 90	6 / 100	6.6 / 110	7.2 / 120	7.8 / 130	8.4 / 140	9 / 150
A	**ACm100**	0.25	0.33		17	16	15	14	13	11	8									
B	**ACm130**	0.37	0.5		19	18	17	16	15	13	11									
C	**ACm146**	0.55	0.75		24	24	23	23	22	22	21	20	18	16	13					
D	**ACm158**	0.75	1	H	28	27	26	25	23	22	21	20	19	17	14					
E	**ACm170**	1.1	1.5		41	40	39	38	37	36	35	33.8	32.5	31	29.5	28	26	24		
F	**ACm190**	1.5	2		47	46	45	44	42.5	42	41	39.5	38	36.5	34	31	27	20	10	2
G	**AC200**	2.2	3		52	51	49	48	47	46	45	44	42.5	41	39	37	34	30	26	19

ACm25/160B

Centrifugal pumps

Patented exclusive products

HBCm25/160B
(if request)

ACm25/160B

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

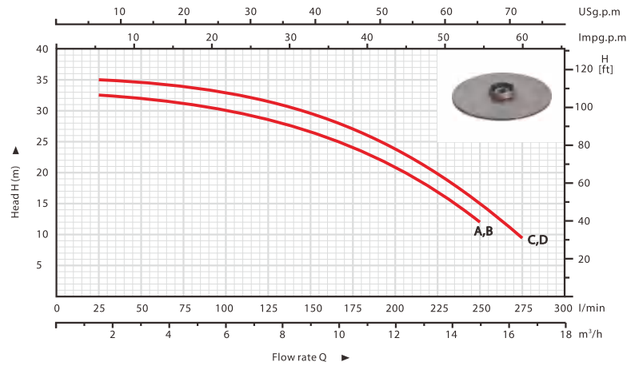
Operating conditions

- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

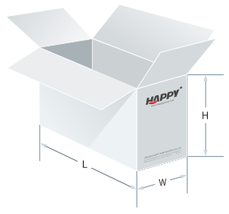
Component / Construction

- **Pump body:** Cast iron
- **Pump support:** Aluminum
- **Motor housing:** Aluminum
- **Impeller:** AISI304 SS
- **Motor shaft:** Carbon steel, AISI304 SS if request
- **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**ACm25/160B**	$1\frac{1}{2}$"×1"	18	420×230×292
B	**ACm40/160B**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	18	420×230×292
C	**ACm25/160A**	$1\frac{1}{2}$"×1"	19.8	420×230×292
D	**ACm40/160A**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	19.8	420×230×292



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.5 / 25	3 / 50	4.5 / 75	6 / 100	7.5 / 125	9 / 150	10.5 / 175	12 / 200	13.5 / 225	15 / 250	16.5 / 275
A	**ACm25/160B**	1.1	1.5		33	32.5	32	31	30	28.5	26.5	24	21	17	12	
B	**ACm40/160B**	1.1	1.5	H	33	32.5	32	31	30	28.5	26.5	24	21	17	12	
C	**ACm25/160A**	1.5	2		35.5	35	34.5	34	33	31.5	29.5	27	24	20	15	9.5
D	**ACm40/160A**	1.5	2		35.5	35	34.5	34	33	31.5	29.5	27	24	20	15	9.5

ACm/5A/5B/5C

Centrifugal pumps

Patented exclusive products

HBCm/5A/5B/5C
(if request)

ACm/5A/5B/5C

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

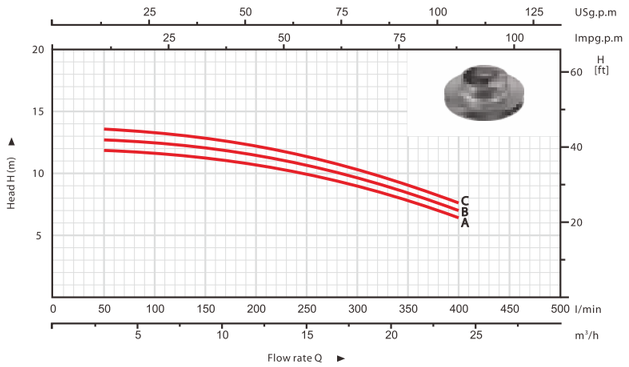
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

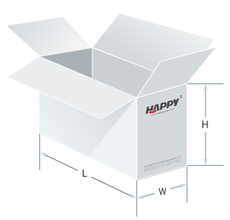
- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**ACm/5C**	2"×2"	12.5	360×215×280
B	**ACm/5B**	2"×2"	13.1	360×215×280
C	**ACm/5A**	2"×2"	13.5	360×215×280



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350	24 / 400
A	**ACm/5C**	0.55	0.75	H	12	11.8	11.5	11.2	10.7	10	9	7.8	6.5
B	**ACm/5B**	0.75	1		13	12.7	12.3	12	11.5	10.8	9.8	8.5	7
C	**ACm/5A**	0.9	1.2		14	13.6	13.2	12.8	12.2	11.5	10.5	9.2	7.5

ACm/5AM/5BM

Centrifugal pumps

Patented exclusive products

HBCm/5AM/5BM
(if request)

ACm/5AM/5BM

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

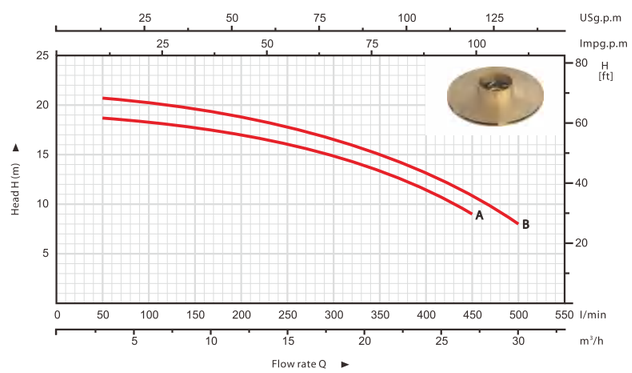
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

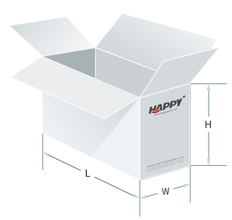
- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**ACm/5BM**	2"×2"	17.5	420×245×290
B	**ACm/5AM**	2"×2"	18.5	420×245×290



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350	24 / 400	27 / 450	30 / 500
A	**ACm/5BM**	1.1	1.5	H	19	18	18	17	16	15	13	12	9	
B	**ACm/5AM**	1.5	2		21	20	19	19	18	16	15	13	11	8

ASm

Centrifugal pumps

Patented exclusive products

HBSm
(if request)

ASm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

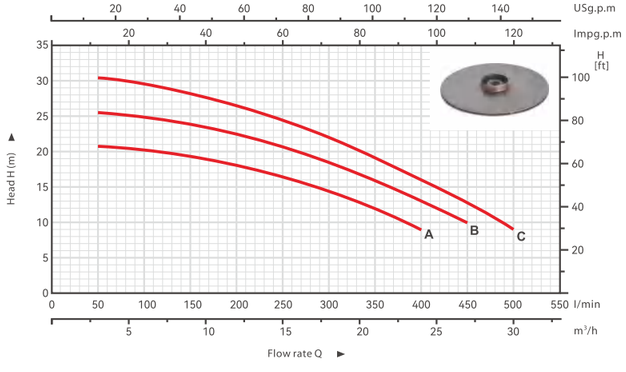
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

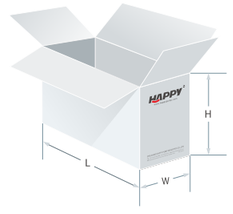
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	**ASm-60**	2"×2"	21.2	430×240×300
B	**ASm-70**	2"×2"	22	430×240×300
C	**ASm-80**	2"×2"	24.2	430×240×300



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30
		kW	HP	Q(l/min)	0	50	100	150	200	250	300	350	400	450	500
A	**ASm-60**	1.1	1.5		21	20.8	20.5	19.5	18.2	16.5	14.5	12	9		
B	**ASm-70**	1.5	2	H	26	25.5	25	24	22.5	20.5	18.5	16	13	10	
C	**ASm-80**	2.2	3		31	30.5	29.5	28	26.5	24.5	22	19	16	12.5	9

ACm/7BR

Centrifugal pumps

Patented exclusive products

HBCm/7BR
(if request)

ACm/7BR

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

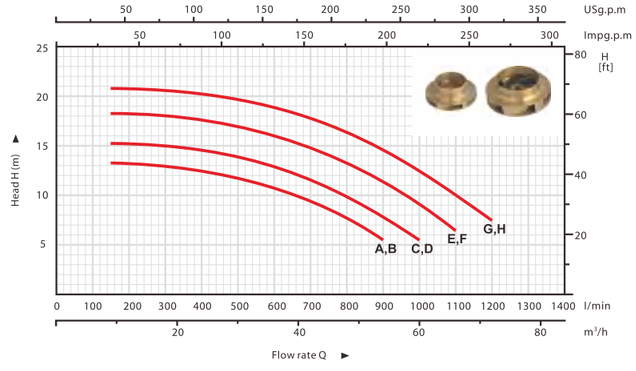
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	**ACm/6C**	3"×3"	26	450×290×340
B	**ACm/6CR**	4"×4"	27.5	450×290×340
C	**ACm/6B**	3"×3"	27.2	450×290×340
D	**ACm/6BR**	4"×4"	28.6	450×290×340
E	**ACm/6A**	3"×3"	35.2	525×290×355
F	**ACm/6AR**	4"×4"	36.6	525×290×355
G	**ACm/7B**	3"×3"	38	525×290×355
H	**ACm/7BR**	4"×4"	39.5	525×290×355

NO.	MODEL	POWER		Q(m³/h)	0	18	24	30	36	42	48	54	60	66	72
		kW	HP	Q(l/min)	0	300	400	500	600	700	800	900	1000	1100	1200
A	**ACm/6C**	1.1	1.5		13.5	13	12.5	11.8	10.6	9.2	7.5	5.5			
B	**ACm/6CR**	1.1	1.5		13.5	13	12.5	11.8	10.6	9.2	7.5	5.5			
C	**ACm/6B**	1.5	2		15.5	15	14.6	14	13	11.5	9.8	7.8	5.5		
D	**ACm/6BR**	1.5	2		15.5	15	14.6	14	13	11.5	9.8	7.8	5.5		
E	**ACm/6A**	2.2	3	H	18.5	18	17.7	17	16	14.8	13.2	11.2	9	6.5	
F	**ACm/6AR**	2.2	3		18.5	18	17.7	17	16	14.8	13.2	11.2	9	6.5	
G	**ACm/7B**	3	4		21	20.5	20.2	20	19.2	18	16.5	14.8	12.5	10	7.5
H	**ACm/7BR**	3	4		21	20.5	20.2	20	19.2	18	16.5	14.8	12.5	10	7.5

2ACm

Double-impeller centrifugal pumps

Patented exclusive products

2HBCm
(if request)

2ACm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

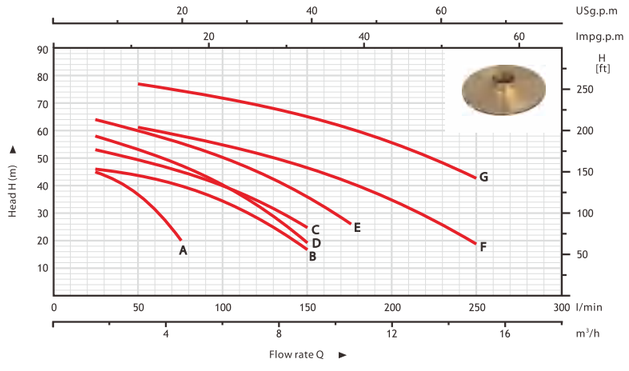
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS(0.75~1.5kW,NO.A/B/C) Brass(1.5~4kW,NO.D/E/F/G)
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**2ACm25/130**	$1\frac{1}{4}$"×1"	14.3	395×210×270
B	**2ACm25/140M**	$1\frac{1}{2}$"×1"	20.8	435×235×272
C	**2ACm25/160B**	$1\frac{1}{2}$"×1"	26	450×240×295
D	**2ACm160/160**	$1\frac{1}{2}$"×1"	26	450×240×295
E	**2AC25/160A**	$1\frac{1}{2}$"×1"	24.5	450×240×295
F	**2ACm32/200C**	$1\frac{1}{2}$"×$1\frac{1}{4}$"	44.5	525×305×370
G	**2AC32/200B**	$1\frac{1}{2}$"×$1\frac{1}{4}$"	45	525×305×370

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.5 / 25	3 / 50	4.5 / 75	6 / 100	7.5 / 125	9 / 150	10.5 / 175	12 / 200	13.5 / 225	15 / 250
A	**2ACm25/130**	0.75	1		45	41	33	20							
B	**2ACm25/140M**	1.1	1.5		47	46	44	40	34.5	27	17				
C	**2ACm25/160B**	1.5	2		56	53	49.5	45	39.5	33	25				
D	**2ACm160/160**	1.5	2	H	62	58	53	47.5	39	29	19.5				
E	**2AC25/160A**	2.2	3		64	62	59	55	49.5	42	34	26			
F	**2ACm32/200C**	3	4		65	63.5	61	58.5	55	51	46.5	41	34	27	19
G	**2AC32/200B**	4	5.5		80	79	77	74.5	72	69	65	60	55	49	43

AMCm

Centrifugal pumps

AMCm-1HP/1.5HP

AMCm-2HP

Application

Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
Ideal for housing, enterprises, irrigation systems, equipment supply and water pressure.

Motor

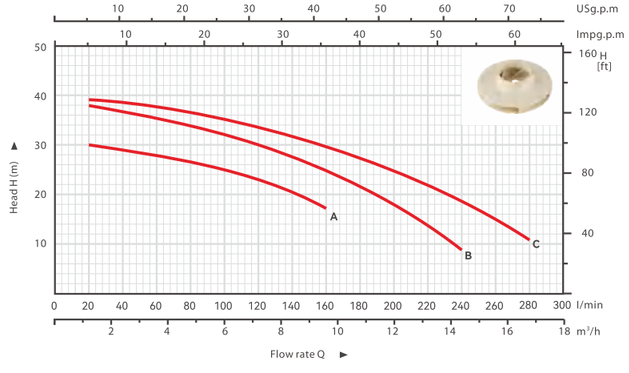
- Two-pole induction motor(n=3450 r.p.m)
- Insulation **Class F**
- Protection **IP23**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase **115V/230V/60Hz**

Operating conditions

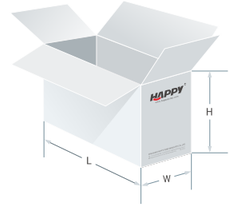
- Liquid temperature up to **40 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Sheet steel
Impeller:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=3450RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**AMCm-1HP**	$1\frac{1}{4}$"×1"	15.9	430×235×315
B	**AMCm-1.5HP**	$1\frac{1}{2}$"×$1\frac{1}{4}$"	17.3	430×235×315
C	**AMCm-2HP**	$1\frac{1}{2}$"×$1\frac{1}{4}$"	18.4	440×260×315



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.2 / 20	2.4 / 40	3.6 / 60	4.8 / 80	6 / 100	7.2 / 120	8.4 / 140	9.6 / 160	10.8 / 180	12 / 200	13.2 / 220	14.4 / 240	15.6 / 260	16.8 / 280
A	**AMCm-1HP**	0.75	1		31	30	29	27.8	26.3	24.3	22.3	20.2	17.8						
B	**AMCm-1.5HP**	1.1	1.5	H	38	37	35.8	34.7	33.5	32	30	27.8	25	21.8	18	13.5	9		
C	**AMCm-2HP**	1.5	2		39	38.8	38.3	37.8	37	35.8	34.5	32.5	30.5	28	25	22	18.5	14.5	10.5

HBMS

Centrifugal pumps

Patented exclusive products

HBMS70

Application

Applicable for liquid transportation and circulation in the light industry sector, boosting and household water supply, cooling system and air conditioning system, etc.

Motor

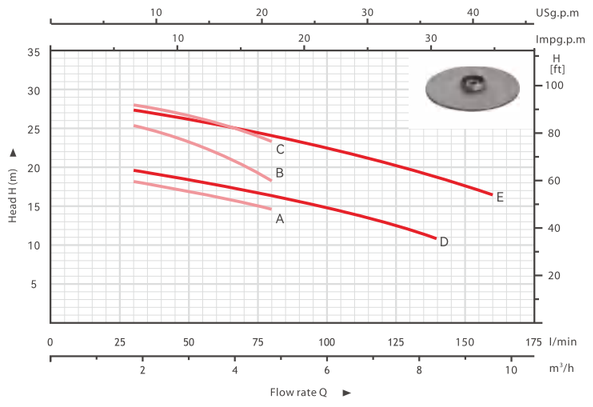
- Two-pole induction motor (n=2850 r.p.m)
- Insulation **Class B**
- Protection **IPX5**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz
  Three-phase 380V/50Hz

Operating conditions

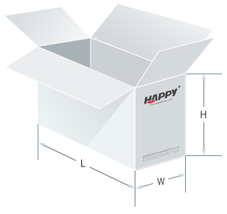
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	AISI304 SS
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HBMS(m)70/0.37**	G1¼"×G1"	10	400×235×275
B	**HBMS(m)70/0.55**	G1¼"×G1"	11.2	400×235×275
C	**HBMS(m)70/0.75**	G1¼"×G1"	12	400×235×275
D	**HBMS(m)120/0.55**	G1¼"×G1"	11.2	400×235×275
E	**HBMS(m)120/1.1**	G1¼"×G1"	15.3	430×235×275



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6
					0	30	40	60	80	100	120	140	160
A	**HBMS(m)70/0.37**	0.37	0.5		21	18.1	17.5	16.1	14.7				
B	**HBMS(m)70/0.55**	0.55	0.75		28.5	25.2	24.1	21.4	18.1				
C	**HBMS(m)70/0.75**	0.75	1	H	30	28	27.3	25.5	23.2				
D	**HBMS(m)120/0.55**	0.55	0.75		22	19.6	19	17.6	16.1	14.6	12.7	10.9	
E	**HBMS(m)120/1.1**	1.1	1.5		30	27.2	26.7	25.4	23.7	22	20.2	18.4	16.3

HBMS

Centrifugal pumps

Patented exclusive products

HBMS210

Application

Applicable for liquid transportation and circulation in the light industry sector, boosting and household water supply, cooling system and air conditioning system, etc.

Motor

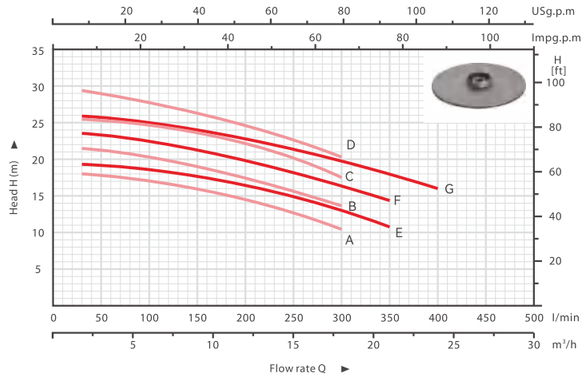
- Two-pole induction motor (n=2850 r.p.m)
- Insulation **Class B**
- Protection **IPX5**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz
  Three-phase 380V/50Hz

Operating conditions

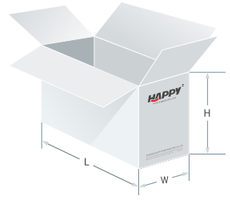
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	AISI304 SS
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HBMS(m)210/0.75**	G1½"×G1¼"	12.8	410×235×275
B	**HBMS(m)210/1.1**	G1½"×G1¼"	15.3	440×235×275
C	**HBMS(m)210/1.5**	G1½"×G1¼"	16.9	440×235×275
D	**HBMS(m)210/2.2**	G1½"×G1¼"	18.9	440×235×275
E	**HBMS(m)370/1.1**	G2"×G1¼"	15.3	440×235×275
F	**HBMS(m)370/1.5**	G2"×G1¼"	17	440×235×275
G	**HBMS(m)370/2.2**	G2"×G1¼"	19	440×235×275



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	15	18	21	24
					0	30	40	60	80	100	120	140	160	180	200	250	300	350	400
A	**HBMS(m)210/0.75**	0.75	1		18	17.9	17.8	17.7	17.5	17.3	17	16.5	15.9	15.2	14.5	12.5	10.5		
B	**HBMS(m)210/1.1**	1.1	1.5		22	21.4	21.3	21	20.7	20.4	20	19.6	19.1	18.5	17.9	16.1	13.9		
C	**HBMS(m)210/1.5**	1.5	2		26	25.5	25.4	25.1	24.8	24.4	23.9	23.4	22.8	22.2	21.6	19.6	17.4		
D	**HBMS(m)210/2.2**	2.2	3	H	30	29.4	29.2	28.8	28.4	27.9	27.4	26.9	26.3	25.6	24.9	22.7	20.2		
E	**HBMS(m)370/1.1**	1.1	1.5		19.5	19.1	19	18.8	18.6	18.3	17.9	17.5	17.1	16.6	16.1	14.6	12.9	10.8	
F	**HBMS(m)370/1.5**	1.5	2		23.5	23.4	23.3	23.1	22.8	22.5	22.1	21.7	21.2	20.7	20.1	18.5	16.6	14.5	
G	**HBMS(m)370/2.2**	2.2	3		26	25.9	25.8	25.6	25.4	25.1	24.7	24.3	23.8	23.3	22.8	21.1	19.5	17.8	16

ACm-C

Multistage pumps

Patented exclusive products

HBCm-C
(if request)

ACm-C

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

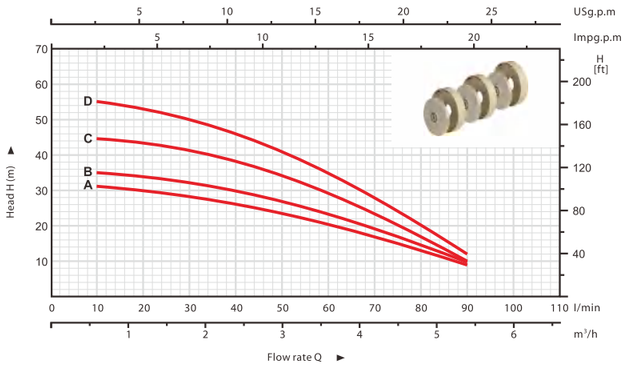
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

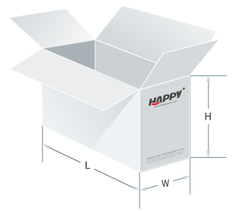
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	AISI304 SS
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**3ACm80C**	1"×1"	8	369×201×205
B	**3ACm100C**	1"×1"	9.5	391×220×232
C	**4ACm100C**	1"×1"	11	415×220×232
D	**5ACm100C**	1"×1"	12.5	439×220×232



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
				Q(l/min)	0	10	20	30	40	50	60	70	80	90
A	**3ACm80C**	0.45	0.6	H	32	31	29.8	28	26	23.8	21	18	14	9
B	**3ACm100C**	0.55	0.75		36	35	33.6	32	29.8	27	23.5	19.5	15	9.5
C	**4ACm100C**	0.75	1		45.5	44.6	43	41	38.5	35	30.5	24.6	18	10
D	**5ACm100C**	0.9	1.2		56	55	53	50	46	41	35	28.3	20.8	12

Multistage pumps

HBMI(50Hz)

Horizontal multistage pumps

Patented exclusive products

HBMI

Application

It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining. water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Motor

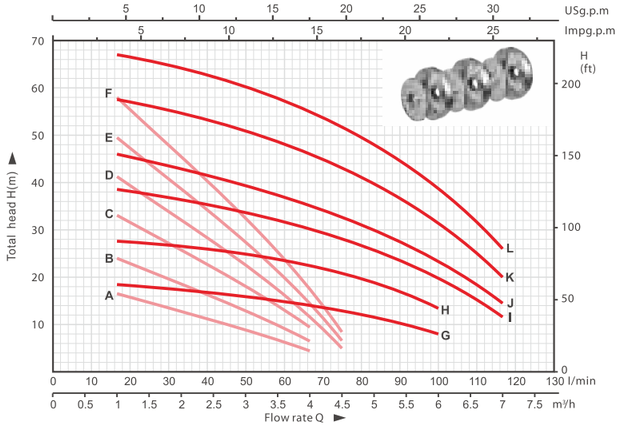
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class F**
- Protection **IPX5**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz
- Three-phase 380V/50Hz

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Stainless steel
Pump cover:	Aluminum
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HBMI(m)2-2**	1"×1"	6	365×180×215
B	**HBMI(m)2-3**	1"×1"	7	365×180×215
C	**HBMI(m)2-4**	1"×1"	7.8	385×180×215
D	**HBMI(m)2-5**	1"×1"	8.8	400×180×215
E	**HBMI(m)2-6**	1"×1"	11.3	435×180×230
F	**HBMI(m)2-7**	1"×1"	12	455×180×230
G	**HBMI(m)4-2**	1¼"×1"	7	365×180×215
H	**HBMI(m)4-3**	1¼"×1"	8	365×180×215
I	**HBMI(m)4-4**	1¼"×1"	10.5	395×180×230
J	**HBMI(m)4-5**	1¼"×1"	11.2	410×180×230
K	**HBMI(m)4-6**	1¼"×1"	13.6	460×200×255
L	**HBMI(m)4-7**	1¼"×1"	14.9	470×200×255

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1 / 16.7	1.5 / 25	2 / 33.3	2.5 / 41.7	3 / 50	3.5 / 58.3	4 / 66.7	4.5 / 75
A	**HBMI(m)2-2**	0.25	0.34	H	18	16.5	15.5	13.5	12.5	10.5	7.5	4.5	
B	**HBMI(m)2-3**	0.37	0.5		27	24	22	19.5	17	14	10.5	6.5	
C	**HBMI(m)2-4**	0.37	0.5		36.5	33	30	26.5	23	18.5	14	9.5	
D	**HBMI(m)2-5**	0.55	0.75		46	41	37.5	33.5	29	23.5	18	12	5
E	**HBMI(m)2-6**	0.75	1		56.5	49.5	46	42	36	30	23.5	15.5	6.5
F	**HBMI(m)2-7**	0.75	1		65	58	53.5	48	42.5	36	28	18.5	8.5

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1 / 16.7	2 / 33.3	3 / 50	4 / 66.7	4.5 / 75	5 / 83.3	6 / 100	7 / 116.7
G	**HBMI(m)4-2**	0.37	0.5	H	19	18.5	17.5	16	14	13	11.5	8	
H	**HBMI(m)4-3**	0.55	0.75		29	27.5	26.5	25	21.5	20.5	18.5	13.5	
I	**HBMI(m)4-4**	0.75	1		39	38.5	37	34.5	29.5	28	25	18.5	11.5
J	**HBMI(m)4-5**	0.75	1		47	46	44	40.5	35	32.5	29.5	22.5	14.5
K	**HBMI(m)4-6**	1.1	1.5		58	57.5	55	51	43	42.5	38.5	30	20
L	**HBMI(m)4-7**	1.3	1.74		70	67	64	60	53.5	51.5	47	37	26

HBMI(60Hz)

Horizontal multistage pumps

Patented exclusive products

HBMI(60Hz)

Application

It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining. water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Motor

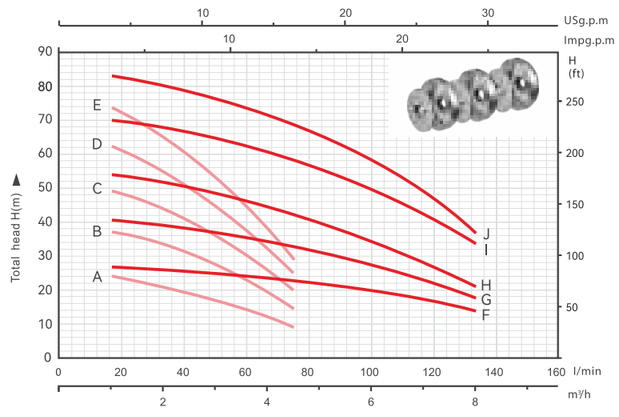
- Two-pole induction motor(n=3450 r.p.m)
- Insulation **Class F**
- Protection **IPX5**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/60Hz
- Three-phase 380V/60Hz

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Stainless steel
Pump cover:	Aluminum
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/Graphite

PERFORMANCE CHART AT n=3450RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HBMI(m)2-2(60Hz)**	1"×1"	7.4	365X180X215
B	**HBMI(m)2-3(60Hz)**	1"×1"	8.1	365X180X215
C	**HBMI(m)2-4(60Hz)**	1"×1"	10.5	395X180X230
D	**HBMI(m)2-5(60Hz)**	1"×1"	11.8	410X180X230
E	**HBMI(m)2-6(60Hz)**	1"×1"	12.4	435X180X230
F	**HBMI(m)4-2(60Hz)**	1¼"×1"	9.7	375X180X230
G	**HBMI(m)4-3(60Hz)**	1¼"×1"	11.2	375X180X230
H	**HBMI(m)4-4(60HZ)**	1¼"×1"	12.8	395X180X230
I	**HBMI(m)4-5(60Hz)**	1¼"×1"	15.4	435X200X255
J	**HBMI(m)4-6(60Hz)**	1¼"×1"	15.8	460X200X255

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1 / 16.7	1.5 / 25	2 / 33.3	2.5 / 41.7	3 / 50	3.5 / 58.3	4 / 66.7	4.5 / 75
A	**HBMI(m)2-2(60Hz)**	0.37	0.5	H	26	24	22.5	21	19	17	14.5	12	9
B	**HBMI(m)2-3(60Hz)**	0.6	0.8		40	37.5	35.5	33.5	30.5	27.5	23.5	19.5	15
C	**HBMI(m)2-4(60Hz)**	0.75	1		53	49.5	47	44	40	36	31	26	20
D	**HBMI(m)2-5(60Hz)**	1	1.3		67	62.5	59	55	50	44.5	38.5	32	25
E	**HBMI(m)2-6(60Hz)**	1.1	1.5		80	74	70	65	59.5	53.5	46.5	38.5	29

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1 / 16.7	2 / 33.3	3 / 50	4 / 67	5 / 83.3	6 / 100	7 / 117	8 / 133.6
F	**HBMI(m)4-2(60Hz)**	0.75	1	H	27.5	27	26	25	23.5	22	20	17.5	14
G	**HBMI(m)4-3(60Hz)**	1	1.3		42	40.5	39	37	34.5	31	27.5	23	18
H	**HBMI(m)4-4(60Hz)**	1.1	1.5		56	54	51.5	48.5	44.5	40	34.5	28.5	21
I	**HBMI(m)4-5(60Hz)**	1.5	2		71.5	70	68	65	61	56	49.5	42	34
J	**HBMI(m)4-6(60Hz)**	1.8	2.4		85	83	80	76.5	71.5	66	58.5	49	37

BP-HBMI

Variable-frequency multi-stage pump

Patented exclusive products

BP-HBMIm

Application

It integrates a frequency converter controller, check valve, pipeline, gas tank, and pressure sensor based on the HBMI series, enabling functions of variable frequency constant pressure and automatic control.Mainly used for domestic and small commercial water supply and pressure boosting in single-family villas, row houses, centralized residences, small residential areas, schools, small hotels, and small office buildings. It is also widely used in the liquid transportation and circulation, as well as cooling systems of the light industry sector.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class F**
- Protection **IPX5**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

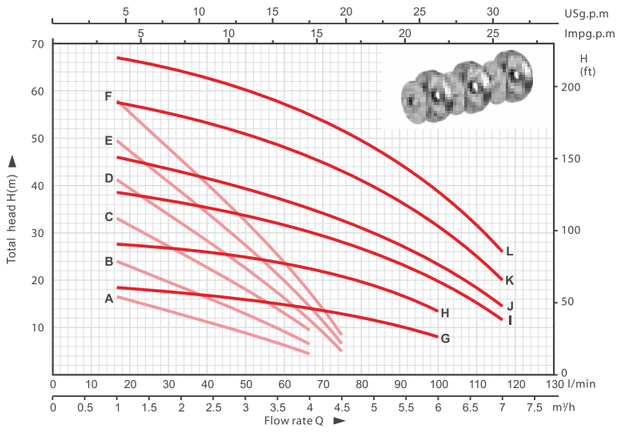
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component / Construction

Pump body:	Stainless steel
Pump cover:	Aluminum
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**BP-HBMI(m)2-2**	1"×1"	9	332×190×540
B	**BP-HBMI(m)2-3**	1"×1"	10	332×190×540
C	**BP-HBMI(m)2-4**	1"×1"	10.8	350×190×540
D	**BP-HBMI(m)2-5**	1"×1"	11.8	368×190×540
E	**BP-HBMI(m)2-6**	1"×1"	14.3	386×190×540
F	**BP-HBMI(m)2-7**	1"×1"	15	404×190×540
G	**BP-HBMI(m)4-2**	1 1/4"×1"	10	332×190×540
H	**BP-HBMI(m)4-3**	1 1/4"×1"	11	332×190×540
I	**BP-HBMI(m)4-4**	1 1/4"×1"	13.5	373×190×540
J	**BP-HBMI(m)4-5**	1 1/4"×1"	14.2	391×190×540
K	**BP-HBMI(m)4-6**	1 1/4"×1"	16.6	417×178×545
L	**BP-HBMI(m)4-7**	1 1/4"×1"	17.9	435×178×545

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1 / 16.7	1.5 / 25	2 / 33.3	2.5 / 41.7	3 / 50	3.5 / 58.3	4 / 66.7	4.5 / 75
A	**BP-HBMI(m)2-2**	0.25	0.34	H	18	16.5	15.5	13.5	12.5	10.5	7.5	4.5	
B	**BP-HBMI(m)2-3**	0.37	0.5		27	24	22	19.5	17	14	10.5	6.5	
C	**BP-HBMI(m)2-4**	0.37	0.5		36.5	33	30	26.5	23	18.5	14	9.5	
D	**BP-HBMI(m)2-5**	0.55	0.75		46	41	37.5	33.5	29	23.5	18	12	5
E	**BP-HBMI(m)2-6**	0.75	1		56.5	49.5	46	42	36	30	23.5	15.5	6.5
F	**BP-HBMI(m)2-7**	0.75	1		65	58	53.5	48	42.5	36	28	18.5	8.5

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1 / 16.7	2 / 33.3	3 / 50	4 / 66.7	4.5 / 75	5 / 83.3	6 / 100	7 / 116.7
G	**BP-HBMI(m)4-2**	0.37	0.5	H	19	18.5	17.5	16	14	13	11.5	8	
H	**BP-HBMI(m)4-3**	0.55	0.75		29	27.5	26.5	25	21.5	20.5	18.5	13.5	
I	**BP-HBMI(m)4-4**	0.75	1		39	38.5	37	34.5	29.5	28	25	18.5	11.5
J	**BP-HBMI(m)4-5**	0.75	1		47	46	44	40.5	35	32.5	29.5	22.5	14.5
K	**BP-HBMI(m)4-6**	1.1	1.5		58	57.5	55	51	43	42.5	38.5	30	20
L	**BP-HBMI(m)4-7**	1.3	1.74		70	67	64	60	53.5	51.5	47	37	26

AJm

Self-priming Jet pumps

Patented exclusive products

HBJm-M
(if request)

AJm-M

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

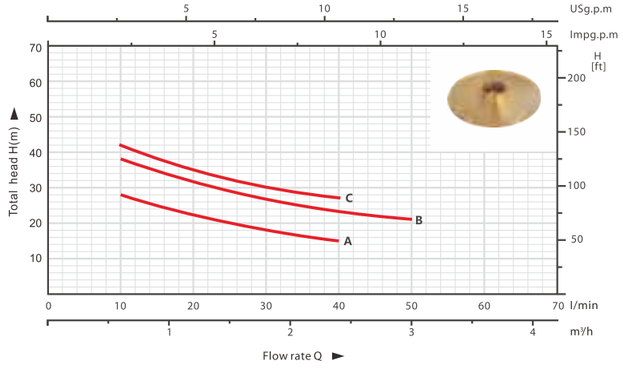
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

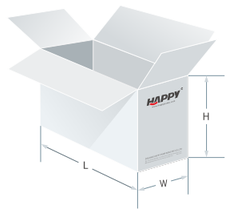
Component / Construction

Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Brass
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**AJm-6M**	1"×1"	8	370×185×201
B	**AJm-10M**	1"×1"	11.6	420×205×235
C	**AJm-10H**	1"×1"	11.6	420×205×235



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50
A	**AJm-6M**	0.37	0.5	H	35	28	22	18	15	
B	**AJm-10M**	0.75	1		43	38	31.5	27	23.5	21
C	**AJm-10H**	0.75	1		51	42	35	30	27	

AJm

Self-priming Jet pumps

Patented exclusive products

HBJm-3BL/M/H

AJm-3BL/M/H

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

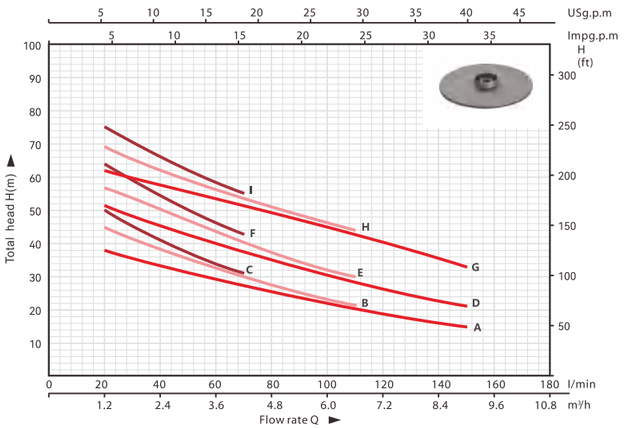
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**AJm-3CL**	$1\frac{1}{4}$" × 1"	22	570×230×280
B	**AJm-3CM**	$1\frac{1}{4}$" × 1"	22	570×230×280
C	**AJm-3CH**	$1\frac{1}{4}$" × 1"	22	570×230×280
D	**AJm-3BL**	$1\frac{1}{4}$" × 1"	22.8	570×230×280
E	**AJm-3BM**	$1\frac{1}{4}$" × 1"	22.8	570×230×280
F	**AJm-3BH**	$1\frac{1}{4}$" × 1"	22.8	570×230×280
G	**AJ-3AL**	$1\frac{1}{4}$" × 1"	24.5	570×230×280
H	**AJ-3AM**	$1\frac{1}{4}$" × 1"	24.5	570×230×280
I	**AJ-3AH**	$1\frac{1}{4}$" × 1"	24.5	570×230×280

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6.6	7.8	8.4	9
					0	20	30	40	50	60	70	80	90	110	130	140	150
A	**AJm-3CL**	1.1	1.5		42	38	36	34	32	30	28	26	24	20.5	17.5	16	15
B	**AJm-3CM**	1.1	1.5		52	45	42	38.5	35	32	29.5	27.5	25.5	21.5			
C	**AJm-3CH**	1.1	1.5		64	50	45.5	41.5	38	34.5	31						
D	**AJm-3BL**	1.5	2		55	51	48.5	46	43.5	40.5	38	35.5	33	28.5	24.5	23	21.5
E	**AJm-3BM**	1.5	2	H	65	57	54.5	51	47	43.5	40.5	37.5	34.5	30			
F	**AJm-3BH**	1.5	2		76	64	58.5	54	50	46	42.5						
G	**AJ-3AL**	2.2	3		66	62	60	58	55.5	53	50.5	48.5	46.5	42	38	35.5	33
H	**AJ-3AM**	2.2	3		76	69	65.5	62	59	56	53	50.5	48	44			
I	**AJ-3AH**	2.2	3		88	75	70	65	61	58	55						

AJm-C

Garden Jet pumps

Patented exclusive products

HBJm-C
(if request)

AJm-C

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

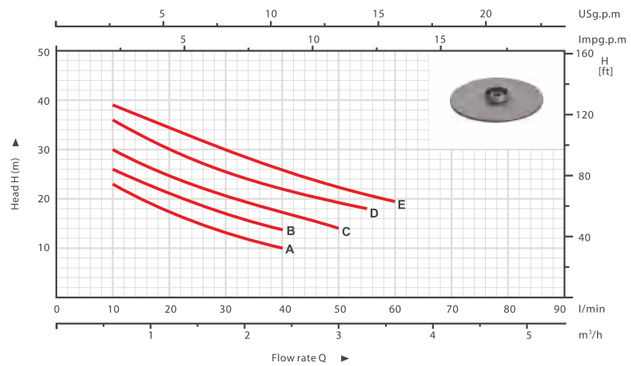
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

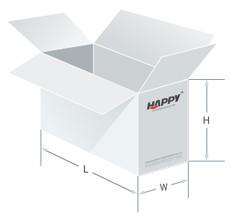
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	AISI304 SS
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS, Brass if request
Diffuser:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**AJm-40C**	1"×1"	5.5	360×190×220
B	**AJm-60C**	1"×1"	6	360×190×220
C	**AJm-80C**	1"×1"	7.5	415×210×235
D	**AJm-100C**	1"×1"	8.5	415×210×235
E	**AJm-120C**	1"×1"	9.5	415×210×235



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.6	1.2	1.8	2.4	2.7	3.0	3.3	3.6
					0	10	20	30	40	45	50	55	60
A	**AJm-40C**	0.3	0.4		30	22	17	14	10				
B	**AJm-60C**	0.37	0.5		35	26	22	17	14				
C	**AJm-80C**	0.55	0.75	H	38	30	25	20	18	16	14		
D	**AJm-100C**	0.75	1		42	36	30	25	22	21	20	18	
E	**AJm-120C**	0.9	1.2		46	39	35	29	25	24	23	21	19

QB

Peripheral Pumps

QB50

QB60

QB60-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

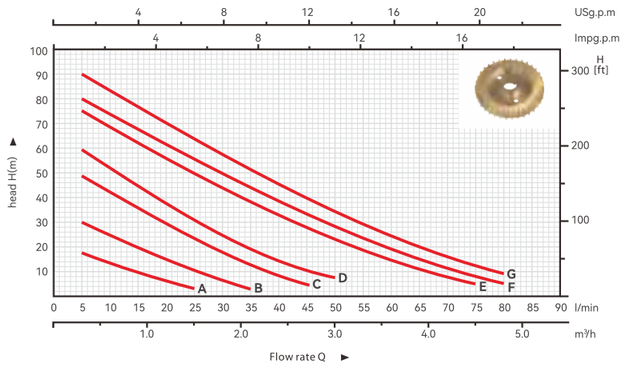
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QB50**	1"×1"	3.7	218×130×170
B	**QB60**	1"×1"	5.3	275×140×170
C	**QB70**	1"×1"	8.5	330×185×207
D	**QB80**	1"×1"	9.5	330×185×207
E	**QB100**	1"×1"	15.1	380×205×245
F	**QB150**	1"×1"	16.2	380×205×245
G	**QB220**	1"×1"	17.1	380×205×245

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80
A	**QB50**	0.11	0.15		21	17.5	13.8	10.2	6.5	3								
B	**QB60**	0.37	0.5		35	30	25	20	15	10.5	6.5	3						
C	**QB70**	0.55	0.75		55	49	43	37	30	23	17	12	8	5				
D	**QB80**	0.75	1	H	65	59	52	45	38	31	25	19	14	10	7			
E	**QB100**	1.1	1.5		80	75	69	62	56	50	44	39	33	27	21	15	9	2
F	**QB150**	1.5	2		85	80	74	68	62	56	50	44	38	32	26	19	12	5
G	**QB220**	2.2	3		95	90	84	78	72	66	59	53	46	39	32	24	16	9

HQBm

Peripheral Pumps

HQBm60

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

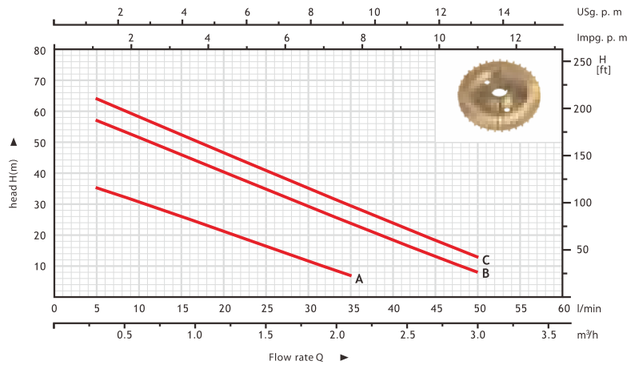
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

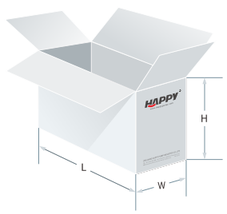
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HQBm60**	1"×1"	5.4	265×162×190
B	**HQBm70**	1"×1"	8.6	319×179×220
C	**HQBm80**	1"×1"	10.1	349×185×215



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	3 / 50
A	**HQBm60**	0.37	0.5		40	35.5	31	26.5	22	17	12	7		
B	**HQBm70**	0.55	0.75	H	63	57	51.5	45.5	40	34	29	24	19	8
C	**HQBm80**	0.75	1		70	64	58	52	46	40	34.5	29	24	13

HKm

Peripheral Pumps

HKm

HKm-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

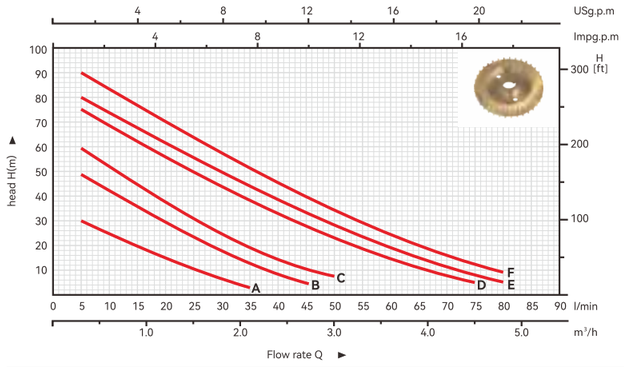
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HKm60**	1"×1"	5.2	270×140×170
B	**HKm70**	1"×1"	8.5	325×185×207
C	**HKm80**	1"×1"	9.5	325×185×207
D	**HKm100**	1"×1"	15.1	380×205×245
E	**HKm150**	1"×1"	16.2	380×205×245
F	**HKm220**	1"×1"	17.1	380×205×245

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.6	4.2	4.8
					0	5	10	15	20	25	30	35	40	45	50	60	70	80
A	**HKm60**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3						
B	**HKm70**	0.55	0.75		55	49	43	37	30	23	17	12	8	5				
C	**HKm80**	0.75	1		65	59	52	45	38	31	25	19	14	10	7			
D	**HKm100**	1.1	1.5		80	75	69	62	56	50	44	39	33	27	21	15	9	2
E	**HKm150**	1.5	2		85	80	74	68	62	56	50	44	38	32	26	19	12	5
F	**HKm220**	2.2	3		95	90	84	78	72	66	59	53	46	39	32	24	16	9

IDB

Peripheral Pumps

IDB35

IDB40/50

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

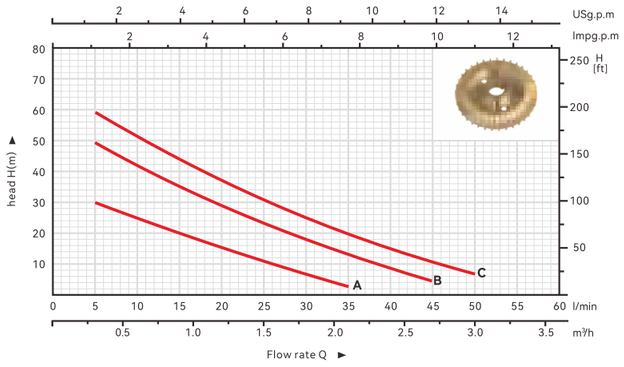
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

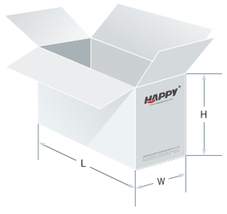
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**IDB35**	1"×1"	5.1	285×170×180
B	**IDB40**	1"×1"	8.1	348×185×213
C	**IDB50**	1"×1"	9	348×185×213



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
					0	5	10	15	20	25	30	35	40	45	50
A	**IDB35**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
B	**IDB40**	0.55	0.75		55	49	43	37	30	23	17	12	8	5	
C	**IDB50**	0.75	1		65	59	52	45	38	31	25	19	14	10	7

VPm

Peripheral Pumps

VPm45

VPm80

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

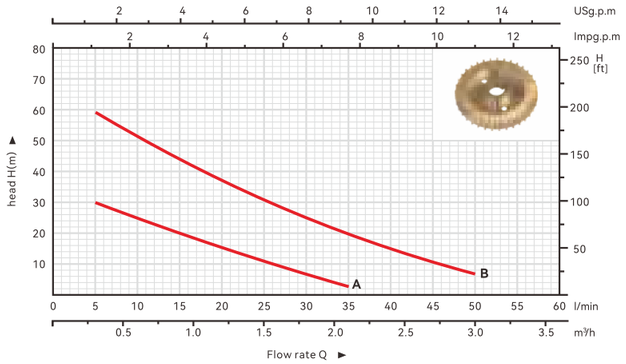
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

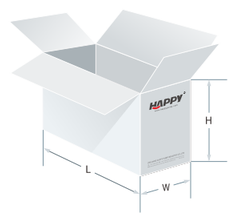
- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**VPm45**	1"×1"	5.3	280×160×180
B	**VPm80**	1"×1"	9.4	345×185×215



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
					0	5	10	15	20	25	30	35	40	45	50
A	**VPm45**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
B	**VPm80**	0.75	1		65	59	52	45	38	31	25	19	14	10	7

VP

Peripheral Pumps

VP

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

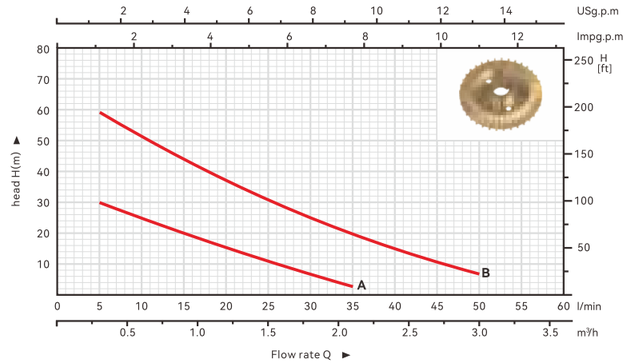
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

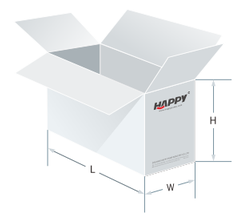
- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**VP5M**	1"×1"	5.3	295×180×200
B	**VP10M**	1"×1"	8.9	343×193×230



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
					0	5	10	15	20	25	30	35	40	45	50
A	**VP5M**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
B	**VP10M**	0.75	1		65	59	52	45	38	31	25	19	14	10	7

HQSm-A

Smart self-priming pumps

HQSm-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

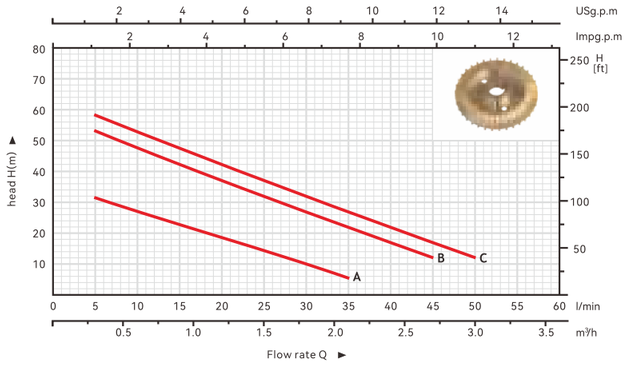
Operating conditions

- Liquid temperature up to **80 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

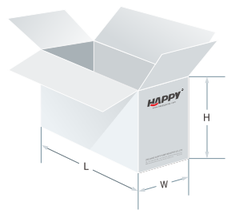
Component / Construction

※	**Pump body:**	Cast iron + AISI304 SS insert
※	**Pump cover:**	Cast iron (electrophoresis) + AISI304 SS insert
※	**Motor housing:**	Aluminum
※	**Impeller:**	Brass
※	**Motor shaft:**	AISI304 SS
※	**Mechanical seal:**	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HQSm60-A**	1"×1"	8.3	298×220×273
B	**HQSm70-A**	1"×1"	12.3	313×232×290
C	**HQSm80-A**	1"×1"	13.6	313×232×290



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50
A	**HQSm60-A**	0.37	0.5	H	35	31	27	22.5	18.5	14.5	10	5.5			
B	**HQSm70-A**	0.55	0.75		58	53	47	42	37	32	27	22	17	12	
C	**HQSm80-A**	0.75	1		65	58.5	52.5	47.5	42	37	32	27	22	17	12

HQSm-AX

Smart self-priming pumps

HQSm-AX

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

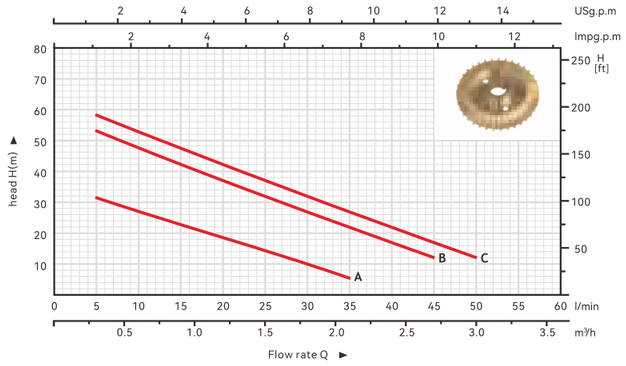
Operating conditions

- Liquid temperature up to **80 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

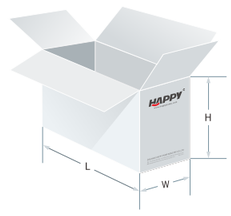
Component / Construction

※	**Pump body:**	Cast iron + AISI304 SS insert
※	**Pump cover:**	Pure brass
※	**Motor housing:**	Aluminum
※	**Impeller:**	Brass
※	**Motor shaft:**	AISI304 SS
※	**Mechanical seal:**	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HQSm60-AX**	1"×1"	8.3	298×220×273
B	**HQSm70-AX**	1"×1"	12.3	313×232×290
C	**HQSm80-AX**	1"×1"	13.6	313×232×290



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50
A	**HQSm60-AX**	0.37	0.5	H	35	31	27	22.5	18.5	14.5	10	5.5			
B	**HQSm70-AX**	0.55	0.75		58	53	47	42	37	32	27	22	17	12	
C	**HQSm80-AX**	0.75	1		65	58.5	52.5	47.5	42	37	32	27	22	17	12

HRSm-A

Smart self-priming pumps

(if request)

HRSm-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

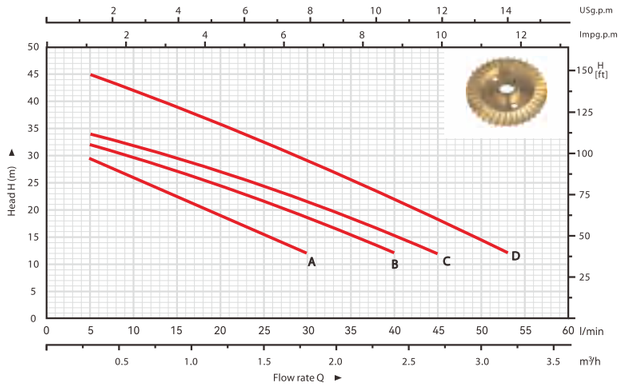
- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

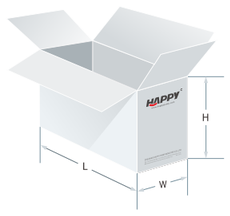
- ※ Liquid temperature up to **45 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component	Construction
※ **Pump body:**	POM + Brass
※ **Pump cover:**	Pure Brass
※ **Motor housing:**	Aluminum
※ **Impeller:**	Brass
※ **Motor shaft:**	AISI304 SS
※ **Mechanical seal:**	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HRSm155-A**	1"×1"	9.3	480×400×355
B	**HRSm205-A**	1"×1"	11.3	480×400×355
C	**HRSm305-A**	1"×1"	11.9	480×400×355
D	**HRSm405-A**	$1\frac{1}{4}$"×$1\frac{1}{4}$"	13.4	480×400×355



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50	3.18 / 53
A	**HRSm155-A**	0.15	0.2	H	33	29.5	26	22.5	19	15.5	12					
B	**HRSm205-A**	0.2	0.27		35	32	29.5	27	24.5	21.5	18.5	15.5	12			
C	**HRSm305-A**	0.3	0.4		36.5	34	31.5	29.5	27	24.5	21.5	18.5	15	12		
D	**HRSm405-A**	0.4	0.54		48	45	42	39	35.5	32.5	29	25.5	22	18.5	14.5	12

HRSm-A2

Smart self-priming pumps

(if request)

HRSm-A2

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.
Keep the water pressure stable to let water heater normally working.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

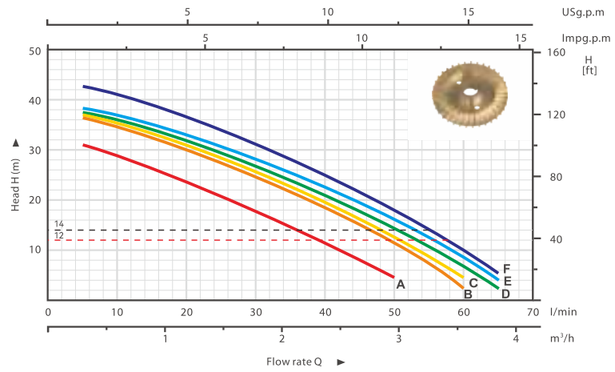
- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

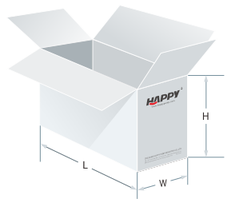
- ※ Liquid temperature up to **45 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component	Construction
※ **Pump body:**	POM + Brass
※ **Pump cover:**	Pure Brass
※ **Motor housing:**	Aluminum
※ **Impeller:**	Brass
※ **Motor shaft:**	AISI304 SS
※ **Mechanical seal:**	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HRSm155-A2**	1"×1"	8.5	380×360×330
B	**HRSm205-A2**	1"×1"	9.7	380×360×330
C	**HRSm255-A2**	1"×1"	10.2	380×360×330
D	**HRSm305-A2**	1"×1"	10.5	380×360×330
E	**HRSm355-A2**	1"×1"	11	380×360×330
F	**HRSm405-A2**	1"×1"	11.5	380×360×330



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50	3.3 / 55	3.6 / 60	3.9 / 65
A	**HRSm155-A2**	0.15	0.2	H	33.5	31.2	29	26.5	24	21	18	15	11.7	8	4.2			
B	**HRSm205-A2**	0.2	0.27		38	36.5	34.8	32.8	29.5	28	25	22	18.5	14.5	10.5	6.5	2.5	
C	**HRSm255-A2**	0.25	0.33		39	37.5	35.8	33.8	30.5	29	26	23	19.5	15.8	12	8.5	4.5	
D	**HRSm305-A2**	0.3	0.4		39.5	37.8	36.2	34.2	31	29.7	27.2	24.5	21.5	18	14.3	10.5	6.5	2.5
E	**HRSm355-A2**	0.35	0.47		40	38.5	36.7	34.8	32	30.5	28	25.3	22.5	19.2	15.8	12	8	4
F	**HRSm405-A2**	0.4	0.54		44	42.5	40.7	38.5	32.2	33.8	31	28	24.8	21.5	18	13.9	9.8	5.5

Self-priming peripheral pumps

PS-A

Self-priming peripheral pumps

PS-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

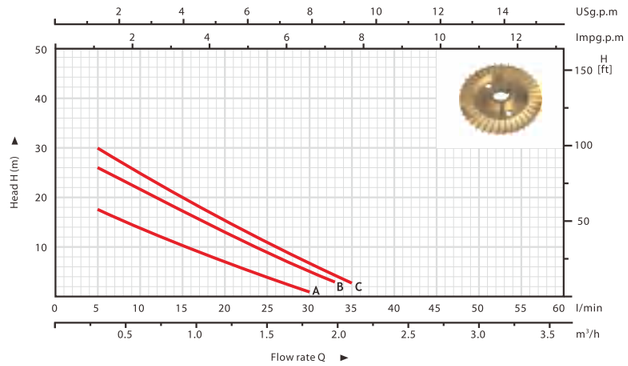
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

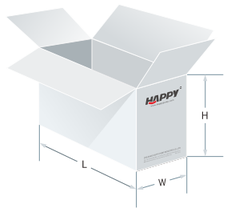
- Liquid temperature up to **60 °C**
- Ambient temperature up to **40 °C**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**PS-125A**	1"×1"	6.3	290×220×290
B	**PS-250A**	1"×1"	6.8	290×220×290
C	**PS-370A**	1"×1"	7.3	290×220×290



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35
A	**PS-125A**	0.125	0.17	H	20	17.5	13.8	10.2	6.5	3.5	1	
B	**PS-250A**	0.25	0.34		28	26	22	17.5	13	9	5	1.5
C	**PS-370A**	0.37	0.5		35	30	25	20	15	10.5	6.5	3

PS

Self-priming peripheral pumps

PS-126

PS-130

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

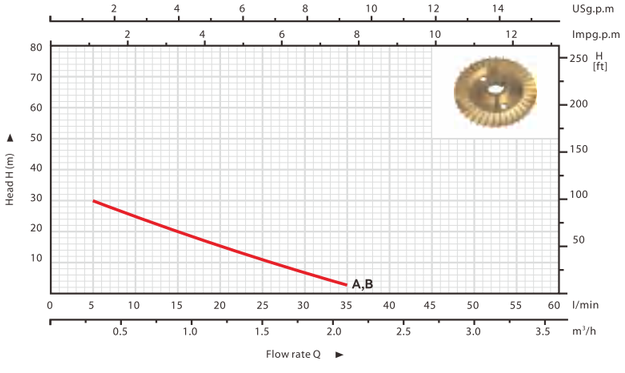
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

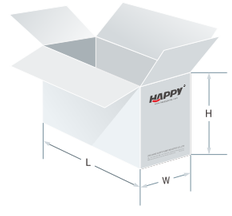
Component / Construction

Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump cover:	Cast iron, Pure brass if request
Motor housing:	Sheet steel
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**PS-126**	1"×1"	8.8	290×192×285
B	**PS-130**	1"×1"	9.5	290×192×285



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35
A	**PS-126**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3
B	**PS-130**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3

PS

Self-priming peripheral pumps

PS-130B

PS-130C

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

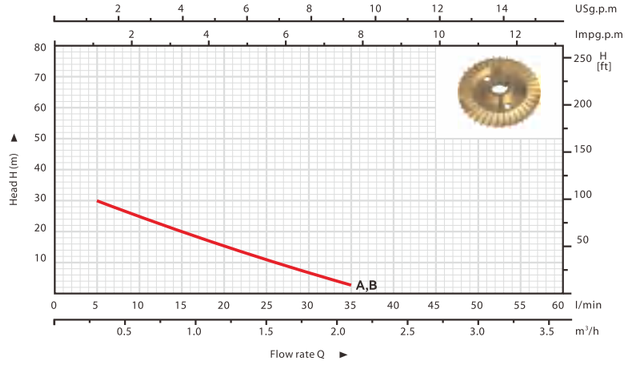
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

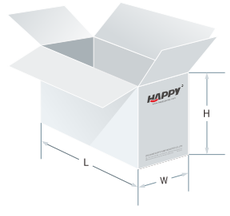
Component / Construction

Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump cover:	Cast iron, Pure brass if request
Motor housing:	Sheet steel, Aluminum for PS-130C
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**PS-130B**	1"×1"	11.6	335×310×330
B	**PS-130C**	1"×1"	8.7	285×207×307



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35
A	**PS-130B**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3
B	**PS-130C**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3

PS

Self-priming peripheral pumps

PS-130DZ

PS-130D

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

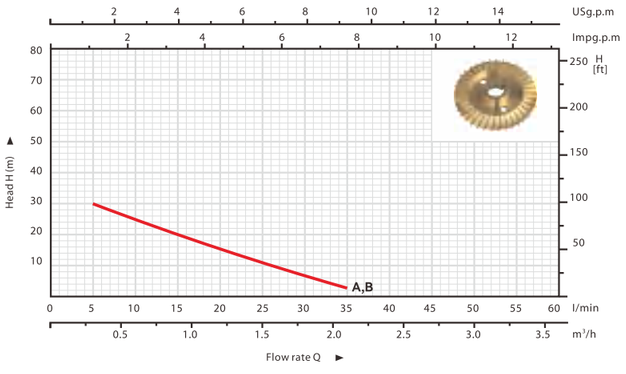
Component

- **Pump body:**
- **Pump cover:**
- **Motor housing:**
- **Impeller:**
- **Motor shaft:**
- **Mechanical seal:**

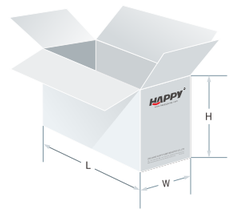
Construction

Cast iron, with brass/AISI 304 SS insert if request
Cast iron
Aluminum
Brass
Carbon steel, AISI304 SS if request
Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**PS-130D**	1"×1"	7.4	265×195×270
B	**PS-130DZ**	1"×1"	8.2	285×265×300



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
				Q(l/min)	0	5	10	15	20	25	30	35
A	**PS-130D**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3
B	**PS-130DZ**	0.37	0.5		35	30	25	20	15	10.5	6.5	3

GP

Self-priming peripheral pump

GP-125

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

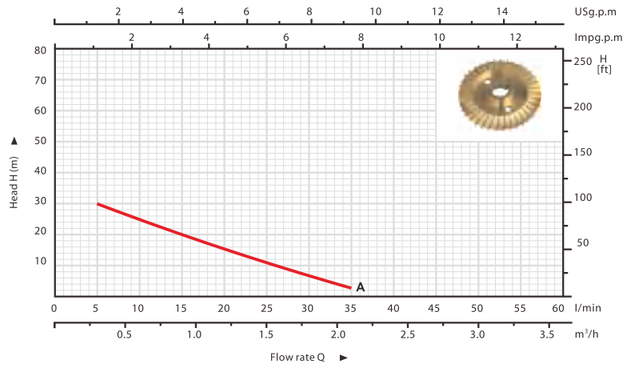
Component

- **Pump body:**
- **Pump cover:**
- **Motor housing:**
- **Impeller:**
- **Motor shaft:**
- **Mechanical seal:**

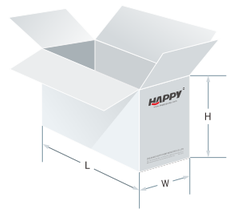
Construction

Cast iron, with brass/AISI 304 SS insert if request
Cast iron
Aluminum
Brass
Carbon steel, AISI304 SS if request
Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**GP-125**	1"×1"	5	230×175×225



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
				Q(l/min)	0	5	10	15	20	25	30	35
A	**GP-125**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3

HKS

Self-priming peripheral pumps

HKS

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

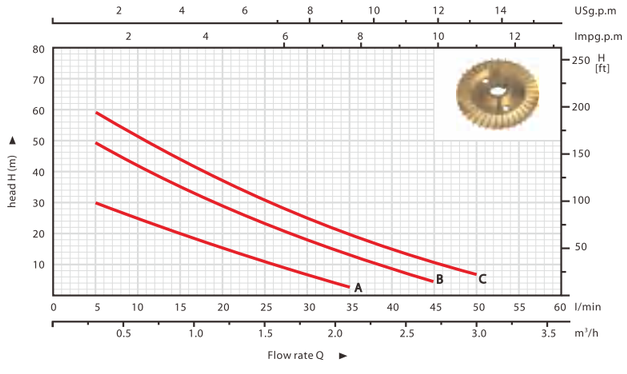
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

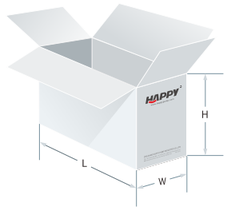
Component / Construction

Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HKS-60**	1"×1"	6.8	255×180×245
B	**HKS-70**	1"×1"	9.5	280×192×265
C	**HKS-80**	1"×1"	12.2	290×200×275



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50
A	**HKS-60**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
B	**HKS-70**	0.55	0.75		55	49	43	37	30	23	17	12	8	5	
C	**HKS-80**	0.75	1		65	59	52	45	38	31	25	19	14	10	7

HKS-C-A

Self-priming peripheral pumps

HKS-C-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

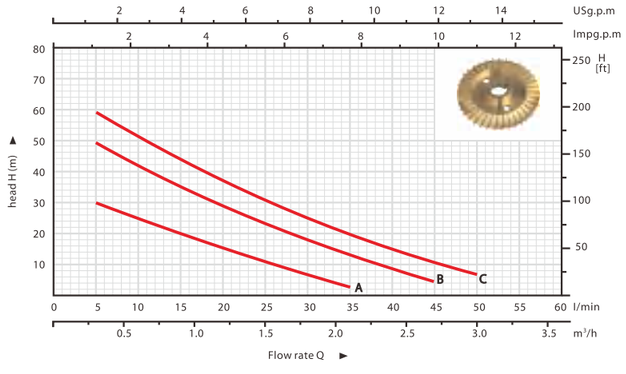
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

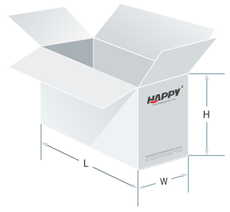
Component / Construction

Pump body:	Cast iron, with brass/AISI 304 SS insert if request
Pump support:	Cast iron, with brass/AISI 304 SS insert if request
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HKS-60C-A**	1"×1"	6.2	260×187×245
B	**HKS-70C-A**	1"×1"	9.3	280×185×272
C	**HKS-80C-A**	1"×1"	10	280×185×272



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50
A	**HKS-60C-A**	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
B	**HKS-70C-A**	0.55	0.75		55	49	43	37	30	23	17	12	8	5	
C	**HKS-80C-A**	0.75	1		65	59	52	45	38	31	25	19	14	10	7

HCm

Centrifugal pumps

HCm158

HCm180/190/200

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

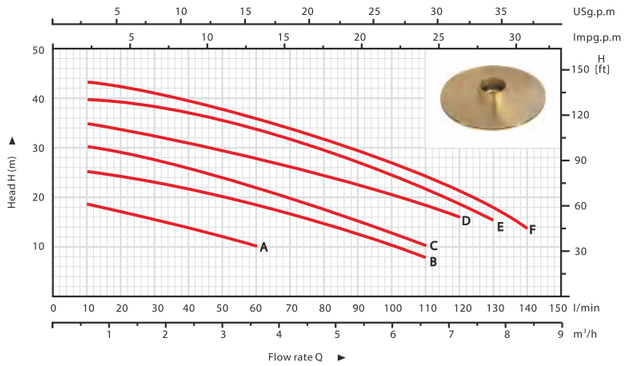
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCm130**	1"×1"	8.5	277×188×245
B	**HCm146**	1"×1"	11.5	318×195×250
C	**HCm158**	1"×1"	13.5	325×213×268
D	**HCm180**	1"×1"	20	370×255×320
E	**HCm190**	1"×1"	21	370×255×320
F	**HCm200**	1"×1"	20	370×255×320

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4
					0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
A	**HCm130**	0.37	0.5	H	20	18.5	17	15.5	14	12	10								
B	**HCm146**	0.55	0.75		26	25	24	23	21.5	20	18.5	17	15	13	10.5	7.5			
C	**HCm158**	0.75	1		32	30.5	29	27.5	25.8	24	22.5	20.5	18.5	16	13	10			
D	**HCm180**	1.1	1.5		36	35	34	33	31.5	30	28.5	26.5	25	23	20.5	18	15.5		
E	**HCm190**	1.5	2		41	40	39	38	36.5	35	33.5	32	30	27.5	25	22	18.5	15	
F	**HCm200**	2.2	3		44	43	42	41	39.5	38	36	34	32	29.5	26.5	23.5	20.5	17	14

HCm

Centrifugal pumps

HCm25-160A

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

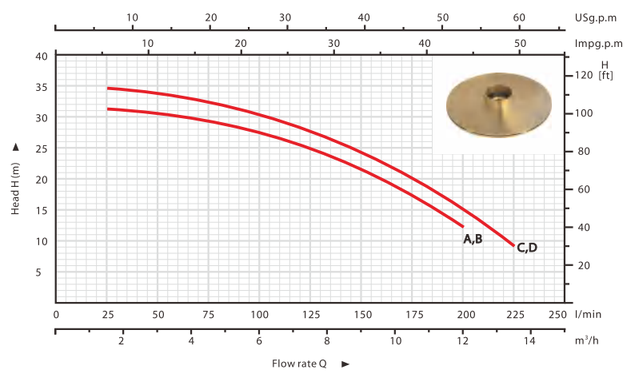
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

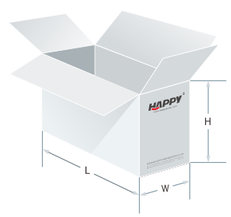
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCm25-160B**	$1\frac{1}{2}$"×1"	21	415×245×300
B	**HCm40-160B**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	21.2	415×245×300
C	**HCm25-160A**	$1\frac{1}{2}$"×1"	22	415×245×300
D	**HCm40-160A**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	22.2	415×245×300



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
					0	25	50	75	100	125	150	175	200	225
A	**HCm25-160B**	1.1	1.5	H	32	31.5	30.5	29.5	27.5	25	21.5	17.5	12	
B	**HCm40-160B**	1.1	1.5		32	31.5	30.5	29.5	27.5	25	21.5	17.5	12	
C	**HCm25-160A**	1.5	2		35	34.5	34	32.5	30.5	28	24.5	20	15	9
D	**HCm40-160A**	1.5	2		35	34.5	34	32.5	30.5	28	24.5	20	15	9

HCm-1

Centrifugal pumps

HCm-1

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

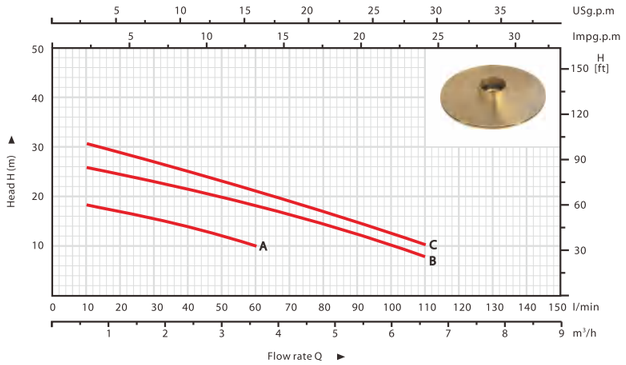
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

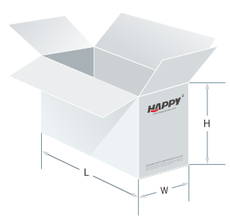
Component / Construction

Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCm130-1**	1"×1"	9.5	285×188×240
B	**HCm146-1**	1"×1"	13	315×197×255
C	**HCm158-1**	1"×1"	15.5	320×210×275



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80	5.4 / 90	6 / 100	6.6 / 110
A	**HCm130-1**	0.37	0.5	H	20	18.5	17	15.5	14	12	10					
B	**HCm146-1**	0.55	0.75		26	25	24	23	21.5	20	18.5	17	15	13	10.5	7.5
C	**HCm158-1**	0.75	1		32	30.5	29	27.5	25.8	24	22.5	20.5	18.5	16	13	10

HCm-2

Centrifugal pumps

HCm-2

HCm-2-A

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

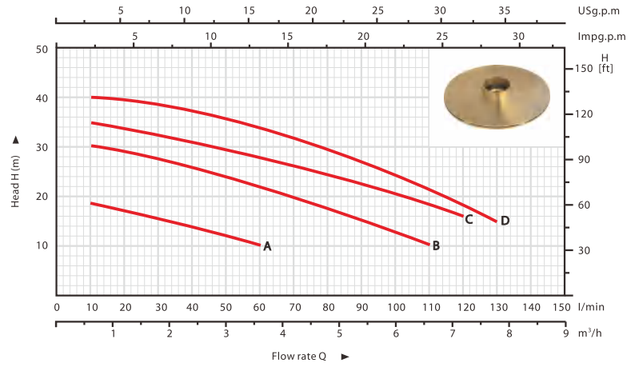
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

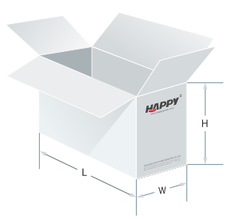
Component / Construction

Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCm130-2**	1"×1"	8	290×188×240
B	**HCm158-2**	1"×1"	12	312×212×265
C	**HCm180-2**	1"×1"	18	380×260×290
D	**HCm190-2**	1"×1"	19	380×260×290



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80	5.4 / 90	6 / 100	6.6 / 110	7.2 / 120	7.8 / 130
A	**HCm130-2**	0.37	0.5	H	20	18.5	17	15.5	14	12	10							
B	**HCm158-2**	0.75	1		32	30.5	29	27.5	25.8	24	22.5	20.5	18.5	16	13	10		
C	**HCm180-2**	1.1	1.5		36	35	34	33	31.5	30	28.5	26.5	25	23	20.5	18	15.5	
D	**HCm190-2**	1.5	2		41	40	39	38	36.5	35	33.5	32	30	27.5	25	22	18.5	15

HCm-5

Centrifugal pumps

HCm-5

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

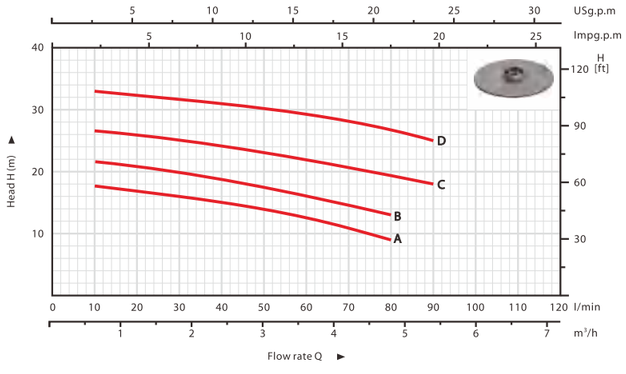
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

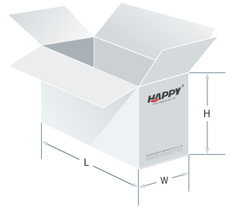
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCm100-5**	1"×1"	7.2	299×175×233
B	**HCm130-5**	1"×1"	8.1	299×175×233
C	**HCm146-5**	1"×1"	11.4	325×205×270
D	**HCm158-5**	1"×1"	12.7	325×205×270



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
					0	10	20	30	40	50	60	70	80	90
A	**HCm100-5**	0.25	0.33	H	18	17.5	16.8	16	15	14	12.5	11	9	
B	**HCm130-5**	0.37	0.5		22	21.5	20.8	20	19	17.5	16	14.5	13	
C	**HCm146-5**	0.55	0.75		27	26.5	26	25	24	23	22	21	19.5	18
D	**HCm158-5**	0.75	1		34	33	32.3	31.5	30.8	30	29	28	26.5	25

DK

Centrifugal pumps

1.5DK-20

2DK-20

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

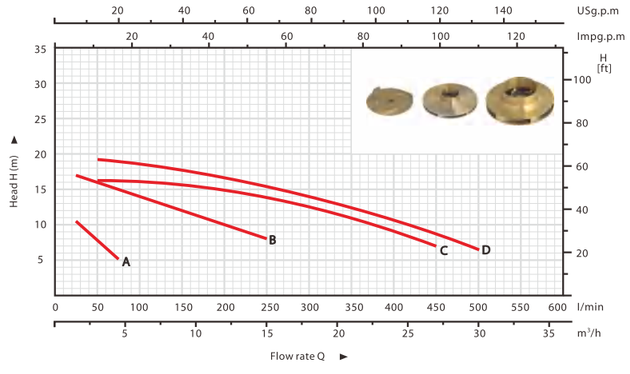
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

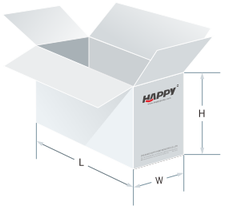
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**1DK-14**	1"×1"	7.3	275×180×195
B	**1.5DK-20**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	10.7	320×185×210
C	**2DK-16**	2"×2"	16	445×245×255
D	**2DK-20**	2"×2"	17	445×245×255



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.5	3	4.5	6	9	12	15	18	21	24	27	30
					0	25	50	75	100	150	200	250	300	350	400	450	500
A	**1DK-14**	0.37	0.5	H	13	10.5	8	5.5									
B	**1.5DK-20**	0.75	1		18	17	16	15	14	12	10	8					
C	**2DK-16**	1.1	1.5		17		16.5	16.3	16	15.5	15	14	12.5	11	9	7	
D	**2DK-20**	1.5	2		20		19.3	19	18.5	17.7	16.7	15.5	14.2	12.5	10.5	8.5	6.5

HCK

Centrifugal pumps

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

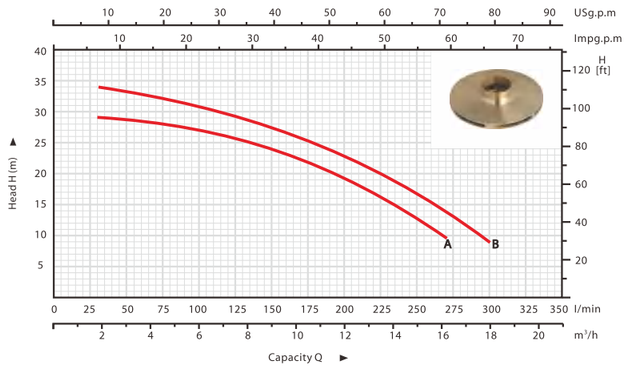
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

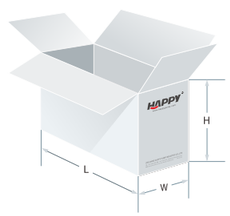
Component / Construction

- **Pump body:** Cast iron
- **Pump support:** Cast iron
- **Motor housing:** Aluminum
- **Impeller:** Brass
- **Motor shaft:** Carbon steel, AISI304 SS if request
- **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCK-30**	$1\frac{1}{2}$"×1"	19	360×225×285
B	**HCK-36**	$1\frac{1}{2}$"×1"	20	360×225×285



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.8 / 30	3.6 / 60	5.4 / 90	7.2 / 120	9 / 150	10.8 / 180	12.6 / 210	14.4 / 240	16.2 / 270	18 / 300
A	**HCK-30**	1.1	1.5	H	30	29	28.5	27.5	26	24.5	22	18.5	14.5	9	
B	**HCK-36**	1.5	2		36	34.5	33	31.5	29.5	27.5	25	22	18.5	14	8

HCPF

Centrifugal pumps

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

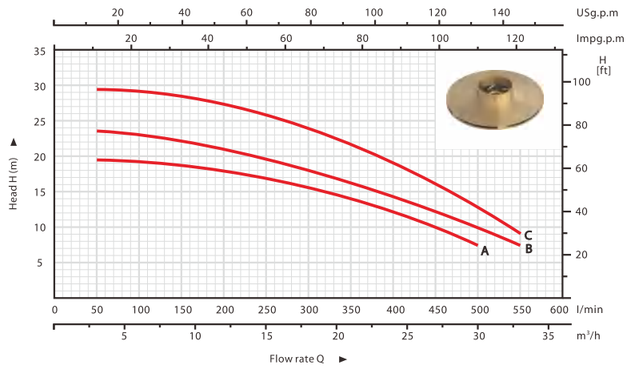
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

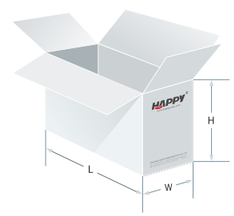
Component / Construction

- **Pump body:** Cast iron
- **Pump support:** Cast iron
- **Motor housing:** Aluminum
- **Impeller:** Brass
- **Motor shaft:** Carbon steel, AISI304 SS if request
- **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCPF-60**	2"×2"	22.5	410×240×310
B	**HCPF-70**	2"×2"	23.5	410×240×310
C	**HCPF-80**	2"×2"	28	430×240×310



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350	24 / 400	27 / 450	30 / 500	33 / 550
A	**HCPF-60**	1.1	1.5	H	20	19.5	19	18.2	17.5	16.8	15.5	14	12	10	7	
B	**HCPF-70**	1.5	2		24	23.5	22.5	21.5	20.5	19.5	18	16.5	14.5	12.5	10	7
C	**HCPF-80**	2.2	3		30	29.5	29	28	27	25.5	24	21.5	19	16	12.5	9

HTm

Centrifugal pumps

HTm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

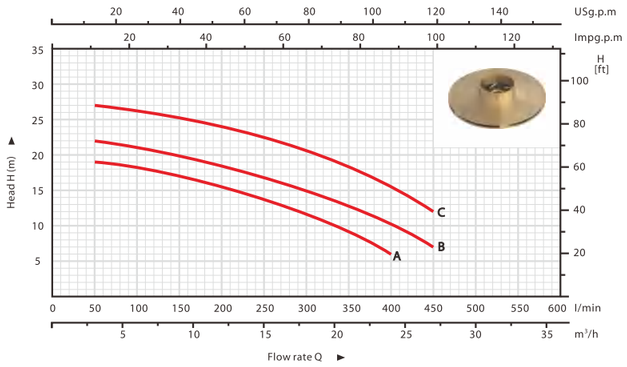
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

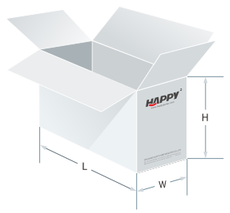
Component / Construction

Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HTm32-160C**	2"×2"	29.5	520×300×350
B	**HTm32-160B**	2"×2"	30.5	520×300×350
C	**HTm32-160A**	2"×2"	32	520×300×350



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18	21	24	27
				Q(l/min)	0	50	100	150	200	250	300	350	400	450
A	**HTm32-160C**	1.1	1.5	H	20	19	18	17	15.5	13.5	11.5	9	6	
B	**HTm32-160B**	1.5	2		23	22	21	20	19	17	15	12.5	10	7
C	**HTm32-160A**	2.2	3		28	27	26	25	24	22.5	20.5	18	15.5	12

HGAm

Centrifugal pumps

HGAm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

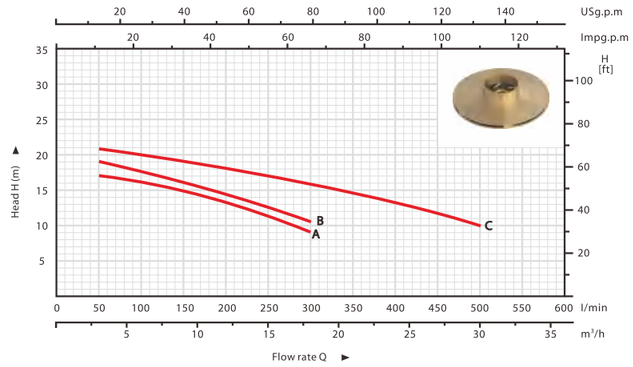
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

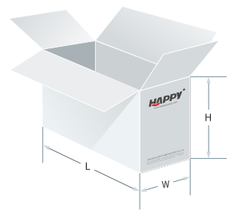
Component / Construction

Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HGAm-70**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	14.5	340×220×270
B	**HGAm-75**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	16.7	340×220×270
C	**HGAm-80**	2"×2"	21.5	430×265×295



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18	21	24	27	30
				Q(l/min)	0	50	100	150	200	250	300	350	400	450	500
A	**HGAm-70**	0.75	1	H	18	17	16	15	13.5	11.5	9				
B	**HGAm-75**	1.1	1.5		20	19	17.5	16	14.5	12.5	10.5				
C	**HGAm-80**	1.5	2		22	21	20	19	18	17	16	15	13.5	12	10

HFM

Centrifugal pumps

HFM-75

HFM-95

Application

Suitable for use in civil and agricultural applications.
The high efficiency and continuous duty capabilities makes these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high flow rates and mid to low head are required.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

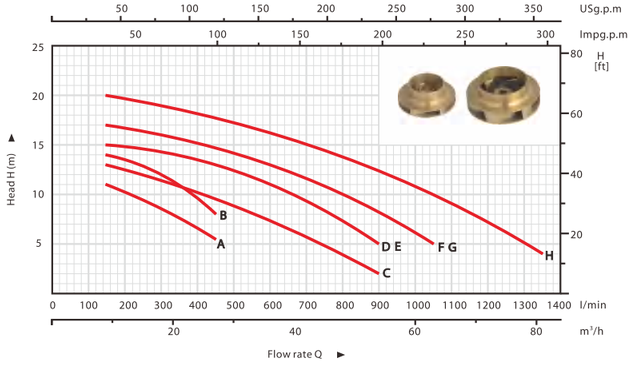
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HFM-70**	2"×2"	16	360×217×270
B	**HFM-75**	2"×2"	18	360×217×270
C	**HFM-80**	3"×3"	26	475×305×345
D	**HFM-85**	3"×3"	27.5	475×305×345
E	**HFM-90**	4"×4"	31	475×305×345
F	**HFM-95**	4"×4"	35	530×305×350
G	**HFM-100**	3"×3"	32	530×305×350
H	**HFM-105**	4"×4"	39	560×305×350

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	9 / 150	18 / 300	27 / 450	36 / 600	45 / 750	54 / 900	63 / 1050	72 / 1200	81 / 1350
A	**HFM-70**	0.75	1	H	12	11	8.5	5.5						
B	**HFM-75**	1.1	1.5		15	14	12	8						
C	**HFM-80**	1.1	1.5		14	13	11.5	9.5	7.5	5	2			
D	**HFM-85**	1.5	2		16	15	14	13	11	8.5	5			
E	**HFM-90**	1.5	2		16	15	14	13	11	8.5	5			
F	**HFM-95**	2.2	3		18	17	16	14.5	13	11	8	5		
G	**HFM-100**	2.2	3		18	17	16	14.5	13	11	8	5		
H	**HFM-105**	3	4		20.5	20	19	17.5	16	14.5	12	10	7	4

HNF

Centrifugal pumps

HNF-130C

HNF-131A

Application

Suitable for use in civil and agricultural applications.
The high efficiency and continuous duty capabilities makes these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high flow rates and mid to low head are required.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

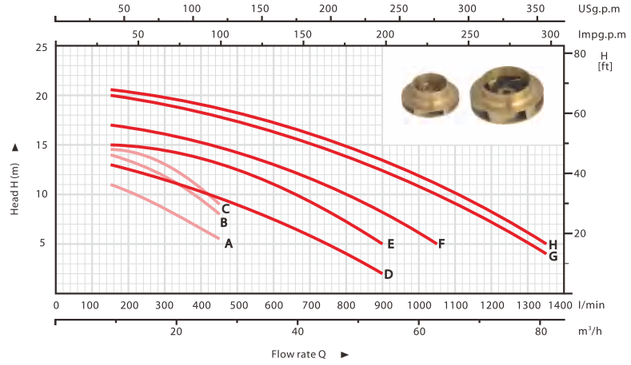
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HNF-128A**	2"×2"	18.5	380×220×290
B	**HNF-129B**	2"×2"	22	415×225×290
C	**HNF-129A**	2"×2"	23.5	415×225×290
D	**HNF-130C**	3"×3"	28.5	460×305×345
E	**HNF-130B**	3"×3"	30	460×305×345
F	**HNF-130A**	3"×3"	35	495×305×345
G	**HNF-131B**	3"×3"	38	535×305×345
H	**HNF-131A**	3"×3"	40	535×305×345

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	9 / 150	18 / 300	27 / 450	36 / 600	45 / 750	54 / 900	63 / 1050	72 / 1200	81 / 1350
A	**HNF-128A**	0.75	1	H	12	11	8.5	5.5						
B	**HNF-129B**	1.1	1.5		15	14	12	8						
C	**HNF-129A**	1.2	1.6		15.5	14.6	13	9						
D	**HNF-130C**	1.1	1.5		14	13	11.5	9.5	7.5	5	2			
E	**HNF-130B**	1.5	2		16	15	14	13	11	8.5	5			
F	**HNF-130A**	2.2	3		18	17	16	14.5	13	11	8	5		
G	**HNF-131B**	3	4		20.5	20	19	17.5	16	14.5	12	10	7	4
H	**HNF-131A**	3.2	4.3		21	20.5	19.5	18	17	15.5	13	11	8	5

2HCP

Centrifugal pumps

2HCP-160

2HCP-200

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

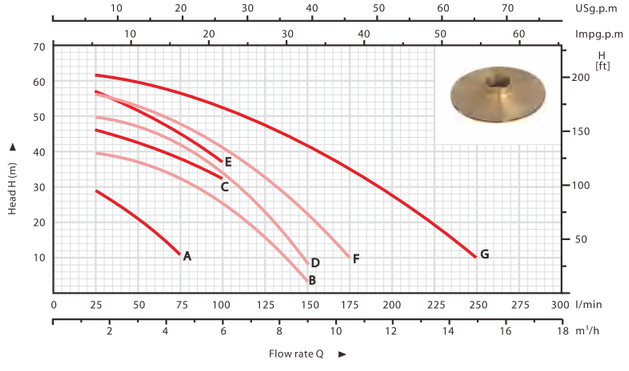
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**2HCP-130**	$1\frac{1}{4}"\times1"$	16	372×220×260
B	**2HCP-140M**	$1\frac{1}{2}"\times1"$	22	425×255×280
C	**2HCP-140H**	$1\frac{1}{4}"\times1"$	22	425×255×280
D	**2HCP-160B**	$1\frac{1}{2}"\times1"$	27	455×255×295
E	**2HCP-160**	$1\frac{1}{4}"\times1"$	26	455×255×295
F	**2HCP-180**	$1\frac{1}{2}"\times1\frac{1}{4}"$	32	550×310×370
G	**2HCP-200**	$1\frac{1}{2}"\times1\frac{1}{4}"$	42	550×298×350

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15
					0	25	50	75	100	125	150	175	200	225	250
A	**2HCP-130**	0.75	1		38	29	21	11							
B	**2HCP-140M**	1.1	1.5		45	40	37	32	26	16	3				
C	**2HCP-140H**	1.1	1.5		50	46	42.5	38	32.5						
D	**2HCP-160B**	1.5	2	H	54	50	47	42	34	24	8				
E	**2HCP-160**	1.5	2		61	57	51.5	45	37						
F	**2HCP-180**	2.2	3		60	56.5	53	48	41	32.5	22	10			
G	**2HCP-200**	3	4		65	61.5	59	56	52	47	42	36	29	21	10

HCT-S

Centrifugal pumps

HCT-S

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

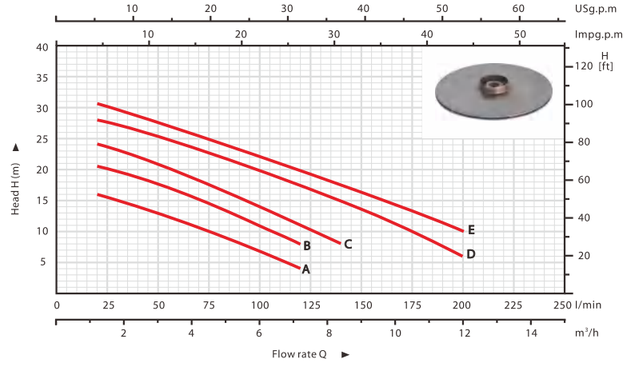
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

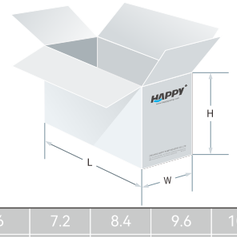
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	AISI304 SS
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HCT-18S**	$1\frac{1}{4}"\times1"$	8	320×235×255
B	**HCT-20S**	$1\frac{1}{4}"\times1"$	9	320×235×255
C	**HCT-26S**	$1\frac{1}{4}"\times1"$	9.7	320×235×255
D	**HCT-30S**	$1\frac{1}{4}"\times1"$	16	390×263×280
E	**HCT-33S**	$1\frac{1}{4}"\times1"$	17.3	390×263×280



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12
					0	20	40	60	80	100	120	140	160	180	200
A	**HCT-18S**	0.37	0.5		18	16	14	12	9.5	7	4				
B	**HCT-20S**	0.55	0.75		22	20.5	19	17	14	11	8				
C	**HCT-26S**	0.75	1	H	26	24	22	19.5	17	14	11	8			
D	**HCT-30S**	1.1	1.5		30	28	26	24	22	20	18	15.5	13	10	6
E	**HCT-33S**	1.5	2		33	31	29	27	25	23	21	19	16	13	9.5

HBK

Centrifugal stainless steel pumps

HBK50

HBK75

Application

For clean, non-combustible, and non-explosive liquid containing no solid particle or fiber. Applicable to deliver tap-water, alkaline mineral water, softened water or mildly-corrosive medium. The use of a larger-power motor must be considered when the density or viscosity of the medium delivered is higher than water.

Motor

※ Two-pole induction motor(n=2850 r.p.m)
※ Insulation **Class B**
※ Protection **IP44**
※ Continuous service **S1**
※ Thermal protector for single phase
※ Single-phase 220V/50Hz, 60Hz if request
※ Three-phase 380V/50Hz, 60Hz if request

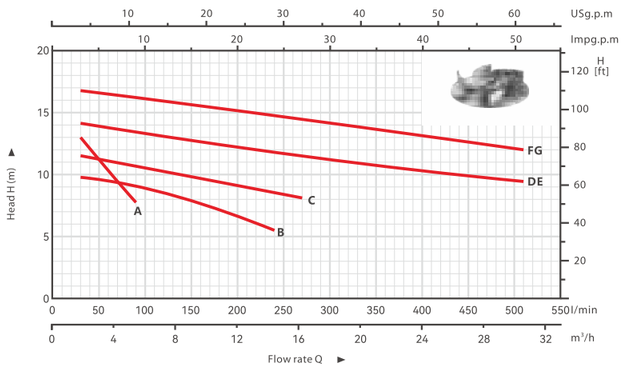
Operating conditions

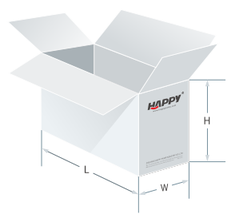
※ Liquid temperature up to **60 ℃**
※ Ambient temperature up to **40 ℃**
※ Total suction lift up to **8 m**

Component	Construction
※ **Pump body:**	AISI304 SS
※ **Pump support:**	Aluminum(0.37kW), Cast iron(0.55~1.85kW)
※ **Motor housing:**	Aluminum
※ **Impeller:**	AISI304 SS
※ **Motor shaft:**	AISI304 SS
※ **Mechanical seal:**	Ceramic/Graphite

NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HBK50**	$1\frac{1}{4}$"×1"	5.9	310×195×225
B	**HBK75**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	9.7	360×195×260
C	**HBK100**	$1\frac{1}{2}$"×$1\frac{1}{2}$"	11.3	360×195×260
D	**HBK200A**	$2\frac{1}{2}$"×2"	18.2	425×235×285
E	**HBK200B**	2"×2"	18.2	425×235×285
F	**HBK250A**	$2\frac{1}{2}$"×2"	20	445×235×285
G	**HBK250B**	2"×2"	20	445×235×285

PERFORMANCE CHART AT n=2850RPM





NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.8 / 30	3.6 / 60	5.4 / 90	7.2 / 120	9 / 150	10.8 / 180	12.6 / 210	14.4 / 240	16.2 / 270	18 / 300	19.8 / 330	21.6 / 360	23.4 / 390	25.2 / 420	27 / 450	28.8 / 480	30.6 / 510
A	**HBK50**	0.37	0.5		13.5	13	10.4	7.8														
B	**HBK75**	0.55	0.75		10	9.8	9.5	9.1	8.6	8	7.3	6.5	5.5									
C	**HBK100**	0.75	1		12	11.4	11	10.6	10.2	9.8	9.4	9	8.6	8.2								
D	**HBK200A**	1.5	2	H	14.5	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3
E	**HBK200B**	1.5	2		14.5	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3
F	**HBK250A**	1.85	2.5		17	16.8	16.5	16.2	15.9	15.6	15.3	15	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12
G	**HBK250B**	1.85	2.5		17	16.8	16.5	16.2	15.9	15.6	15.3	15	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12

HDm

Floor Heating Cleaning Pump

HDm

Application

Applicable to solar water heaters, gas water heaters, electric water heaters, radiators, floor heating pipes, etc.

Motor

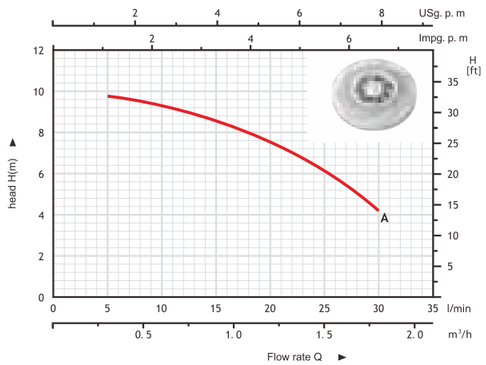
※ Two-pole induction motor(n=2850 r.p.m)
※ Insulation **Class B**
※ Protection **IP44**
※ Continuous service **S1**
※ Thermal protector
※ Single-phase 230V/50Hz

Operating conditions

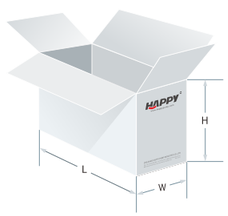
※ Liquid temperature up to **50 ℃**
※ Ambient temperature up to **40 ℃**

Component	Construction
※ **Pump body:**	Techno-polymer
※ **Pump cover:**	Techno-polymer
※ **Pump support:**	Aluminum
※ **Motor housing:**	Aluminum
※ **Impeller:**	Techno-polymer
※ **Motor shaft:**	Carbon steel, AISI 304 SS if request

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HDm-20**	$\frac{1}{2}$"×$\frac{1}{2}$"	7.6	515×380×565



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30
A	**HDm-20**	0.135	0.18	H	10	9.8	9.4	8.7	7.7	6.1	4.2

HST

Standard centrifugal pumps

HST

Construction

Close-coupled centrifugal pumps, electric motor with extended shaft directly connected to the pump
Pump casting with axial suction and radial delivery on top
Main dimensions and performance according to EN 733
HSTm: version with mono-phase motor, single impeller
HST: version with tri-phase motor, single impeller
HST/D: version with double impellers

Application

- For clean non-aggressive liquids without brasives
- Water supply — Cleaning sets
- Pressure boosting — Firefighting sets
- Irrigation — Industrial applications
- Water circulation in — Agricultural applications
- Water circulation in

Performance range

- For rate up to 6000 L/min (360 m^3/h)
- Head up to 99.5 m
- Power up to 55 kW
- Diameter up to 100 mm

Application limits

- Manometric suction lift up to 8 m
- Liquid temperature between -10 ℃ and +120 ℃
- Ambient temperature between -10 ℃ and +40 ℃
- Max.pressure in pump body 16 bar (PN16)
- Continuous service S1

Optionals available on request

- Special mechanical seal
- Other voltages of 60Hz frequency
- Protection IP55, or IP 54
- Single-phase motor (HSTm) up to 3.0 kW
- Higher or lower liquid or ambient temperatures

Model description

- For example: **HST(m) 32-160/22**
- **HST:** model name
- **(m):** single phase motor
- **32:** outlet diameter/mm
- **160:** impeller code/mm
- **22:** 22/10=2.2 kW motor

Standards and guarantee

- Pump body dimensions in compliance with **EN 733**
- Pump and motor comply to **CE** and **SASO**
- 18 months subject to terms and conditions

HST

Standard centrifugal pumps

NO.	MODEL	DN (mm)	POWER kW	POWER HP	Q(m^3/h)	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138
					Q(l/min)	0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300
1	**HST32-125/07**	50×32	0.75	1		17.5	16.7	15	12	9												
2	**HST32-125/11**	50×32	1.1	1.5		22	21	19.7	16.5	14.5	9											
3	**HST32-160/15**	50×32	1.5	2		25.4	23.7	22.5	18.5	15.8												
4	**HST32-160/22**	50×32	2.2	3		31	29.6	28.5	24.5	22	15											
5	**HST32-160/30**	50×32	3	4		35	34.3	32.5	28	25.5	19	15										
6	**HST32-200/30**	50×32	3	4		44.2	42	39.8	35.2	32.2	24.6	19.8										
7	**HST32-200/40**	50×32	4	5.5		54.5	52	50	45.5	42.3	35	30.3										
8	**HST32-250/55**	50×32	5.5	7.5		60	59.5	59	55	50.2	34.5											
9	**HST32-250/75**	50×32	7.5	10		69.5	69	68.5	66	63	53											
10	**HST32-250/92**	50×32	9.2	12.5		75	75	74.5	72	69	59											
11	**HST32-250/110**	50×32	11	15		90	89.5	88	82	78	66											
12	**HST32-250/150**	50×32	15	20		97	96.5	96	90	86	73											
13	**HST32-250/55D**	50×32	5.5	7.5		79.5	74.7	71.8	63	56	37.5											
14	**HST32-250/75D**	50×32	7.5	10		95	93	91	83	76	57.8											
15	**HST40-125/11**	65×40	1.1	1.5		14.7				13	11.5	10.1	5.8									
16	**HST40-125/15**	65×40	1.5	2		18.1				17	15	13.9	10	6								
17	**HST40-125/22**	65×40	2.2	3		24.5				23.2	21.5	20.2	16	13	8.3							
18	**HST40-160/30**	65×40	3	4		31.8				29.5	27.5	26.3	21.5	17.5								
19	**HST40-160/40**	65×40	4	5.5		38				36	34	33	28.5	25	20.1							
20	**HST40-200/55**	65×40	5.5	7.5		46				43.8	41.3	40.1	35	30								
21	**HST40-200/75**	65×40	7.5	10		57				53.6	51.5	50	45	41	36.5							
22	**HST40-250/92**	65×40	9.2	12.5		64				59	56.5	55	49.5	45	39.8							
23	**HST40-250/110**	65×40	11	15		72				67.5	65	63.5	57.5	52.2	47							
24	**HST40-250/150**	65×40	15	20		84.5				79.3	77.3	75.2	70	66	61							
25	**HST40-250/185**	65×40	18.5	25	H	90				85.5	82.8	80.7	75.8	70.5	66.5							
26	**HST50-125/22**	65×50	2.2	3		17						15.4	14	12.8	11.5	6.5						
27	**HST50-125/30**	65×50	3	4		20						18.8	18	17	15.6	11						
28	**HST50-125/40**	65×50	4	5.5		24						23.1	23	21.5	20.3	15.8	11.8					
29	**HST50-160/55**	65×50	5.5	7.5		32						30.6	30	28	26.6	20.5	14.8					
30	**HST50-160/75**	65×50	7.5	10		40						38	37	36	34.4	29	24	21				
31	**HST50-200/92**	65×50	9.2	12.5		50.5						46.8	45	43	40.9	32.5	26.7					
32	**HST50-200/110**	65×50	11	15		57.5						53.5	52	50	47.5	40	34	29				
33	**HST50-200/150**	65×50	15	20		62						58	56.5	54.5	52	44.5	39	35.5				
34	**HST50-250/150**	65×50	15	20		68.5						64	63	61.5	59	50	41					
35	**HST50-250/185**	65×50	18.5	25		79						75.8	74.8	74	71.5	63.5	55.5	47				
36	**HST50-250/220**	65×50	22	30		89.5						86	85.3	84	81.5	73.5	63.5	57				
37	**HST65-125/40**	80×65	4	5.5		19								17.3	16.8	14.5	13	11.8				
38	**HST65-125/55**	80×65	5.5	7.5		23								21.3	20.9	19	17.5	16.7	13.7			
39	**HST65-125/75**	80×65	7.5	10		27								26	25.6	24.5	23	22.5	20	18		
40	**HST65-160/92**	80×65	9.2	12.5		33									31.5	30	28	27.1	24	21.5		
41	**HST65-160/110**	80×65	11	15		36									34.5	33	31.5	30.8	28	25.5		
42	**HST65-160/150**	80×65	15	20		42									41	40	38.5	37.8	35	33	29.5	
43	**HST65-200/150**	80×65	15	20		45									45.5	43	41	40.2	36.5	34		
44	**HST65-200/185**	80×65	18.5	25		52									52.3	51	49	48.2	44.5	42		
45	**HST65-200/220**	80×65	22	30		59									59.5	58	56	55	52	49.5	44.5	
46	**HST65-250/220**	80×65	22	30		64.8									64.7	62	60	58.8	53	50		
47	**HST65-250/300**	80×65	30	40		80									79.8	77.5	75.5	74.5	70	66	58	
48	**HST65-250/370**	80×65	37	50		92									90.5	88.5	87	85	80.5	78	68	

32-250/55D, 32-250/75D: double impeller
SS304 impeller for 32-125, 32-160, 32-200, 32-250D, Cast iron impeller for others

HST

Standard centrifugal pumps

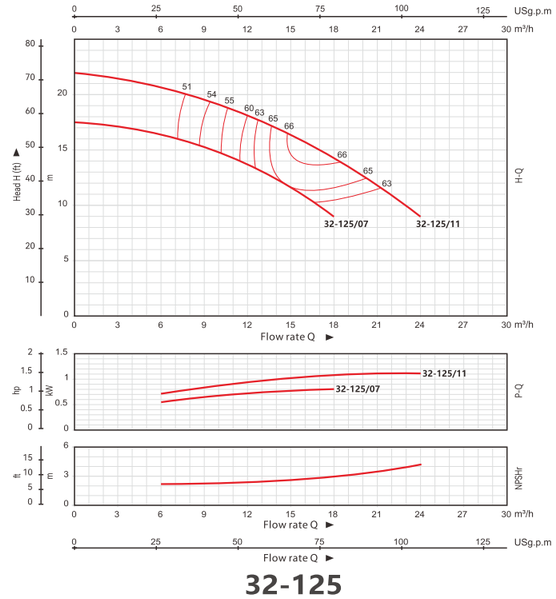
NO.	MODEL	DN (mm)	POWER		Q(m³/h)	0	60	90	120	144	180	200	210	220	240	280	300	360	400
			kW	HP	Q(l/min)	0	1000	1500	2000	2400	3000	3333	3500	3667	4000	4667	5000	6000	6667
49	**HST65-315/450**	80×65	45	60		102	98	94.5	90	83									
50	**HST65-315/550**	80×65	55	75		122	120	114.5	110	100	76								
51	**HST65-315/750**	80×65	75	100		141	141	134.5	130	120	96	78	65.5						
52	**HST65-315/900**	80×65	90	125		151	150	144.5	140	130	106	88	75.5						
53	**HST80-125/40**	100×80	4	5.5		17	15	12.3	7.5										
54	**HST80-125/55**	100×80	5.5	7.5		21	19.6	17.4	13.4	9.5									
55	**HST80-125/75**	100×80	7.5	10		26	24.8	23	19.5	16.5									
56	**HST80-160/110**	100×80	11	15		28	27	27.3	24.5	21.1	16								
57	**HST80-160/150**	100×80	15	20		34	32.6	32.5	30.2	27	22.1	18.5	16.7						
58	**HST80-160/185**	100×80	18.5	25		39	38.5	38	36.7	33.6	28.8	25.3	23.5						
59	**HST80-160/220**	100×80	22	30		44	43.5	43	41.7	38.6	33.8	30.3	28.5						
60	**HST80-200/220**	100×80	22	30		48	47.7	47.5	43.5	39.2	32.5	27.2	24.5						
61	**HST80-200/300**	100×80	30	40		60	59.7	59.5	57	53.1	47	42.7	40.5						
62	**HST80-250/370**	100×80	37	50		71.5	70.9	70.5	65.5	59.3	51	43.2	38.5						
63	**HST80-250/450**	100×80	45	60		88	86.7	86	83.6	78.5	70.5	60	51						
64	**HST80-250/550**	100×80	55	75		94.5	94.5	94.5	91.8	87	79.5	72.1	68.3						
65	**HST80-315/450**	100×80	45	60		85	84	82.6	82	78	68.3	61	56						
66	**HST80-315/550**	100×80	55	75		98	97	95.6	95	91	81.3	74	69						
67	**HST80-315/750**	100×80	75	100		124	123	121.6	121	117	107.3	100	95	90	80.8				
68	**HST80-315/900**	100×80	90	125		144	143	141.6	141	137	127.3	120	115	110	100.8				
69	**HST100-160/150**	125×100	15	20	H	35	33.5	32.5	30	27.8	24.5	21.5	20	18.3	15				
70	**HST100-160/185**	125×100	18.5	25		38.5	37.5	36.5	34.3	32.2	29	25.7	24	22	18				
71	**HST100-160/220**	125×100	22	30		43	41	40	37.6	35.2	31.5	28.5	27	25.3	22				
72	**HST100-200/220**	125×100	22	30		38.5	36.7	35.7	33.8	31.7	28.5	26.8	26	25	22.9	16.3	13		
73	**HST100-200/300**	125×100	30	40		44.5	42.5	42	40.2	38.8	36.7	34.2	33	31.7	29	21.7	18		
74	**HST100-200/370**	125×100	37	50		55	53	51	50.6	49.2	47	45	44	42.8	40.5	32.8	29		
75	**HST100-250/450**	125×100	45	60		65	65	64	63	61	58	56	55	53.3	50	39	33.5		
76	**HST100-250/550**	125×100	55	75		77	76	75.5	75	73.8	72	71.7	71.5	70.7	69	62.3	59		
77	**HST100-250/750**	125×100	75	100		91	91	90.5	89.7	88	85.5	84	83.3	81.5	78	71.7	68.5	48	
78	**HST100-250/900**	125×100	90	125		100	100	99.5	98.7	97	94.5	93	92.3	90.5	87	80.7	77.5	57	
79	**HST100-315/750**	125×100	75	100		80			78.5	76.7	74	73	72.8	72.5	70.7	68	64	52	
80	**HST100-315/900**	125×100	90	125		100			98.5	96.7	94	93	92.8	92.5	90.7	88	84	72	
81	**HST100-315/1100**	125×100	110	150		118			116.5	114.7	112	111	110.8	110.5	108.7	106	102	90	
82	**HST100-315/1320**	125×100	132	180		129			127.5	125.7	123	122	121.8	121.5	119.7	117	112	101	
83	**HST100-315/1600**	125×100	160	220		148			146.5	144.7	142	141	140.8	140.5	138.7	136	132	120	
84	**HST125-200/450**	150×125	45	60		39.8			39.3	39.2	39	38.9	38.9	38.8	37.5	35	34	28.6	25
85	**HST125-200/550**	150×125	55	75		50.5			49.3	49.2	49	48.9	48.9	48.8	47.5	45	44	38.6	35
86	**HST125-200/750**	150×125	75	100		61.5			60.3	60.2	60	59.9	59.9	59.8	58.5	56	55	49.6	46
87	**HST125-250/550**	150×125	55	75		70			67	66	64	63	62	61	59.5	54	50.5		
88	**HST125-250/750**	150×125	75	100		80			76.5	75.5	74	73	72	71.5	70	67	65	56	
89	**HST125-250/900**	150×125	90	125		87			84	82.5	81	79.5	79	78	77	73.5	71.5	65	60

32-250/55D, 32-250/75D: double impeller
SS304 impeller for 32-125, 32-160, 32-200, 32-250D, Cast iron impeller for others

HST

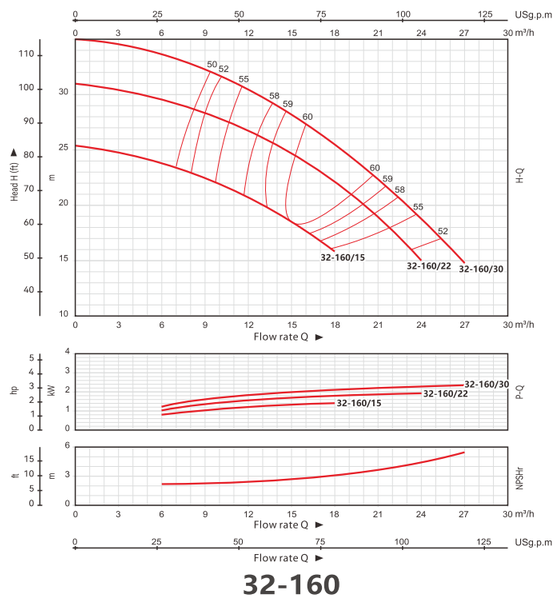
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



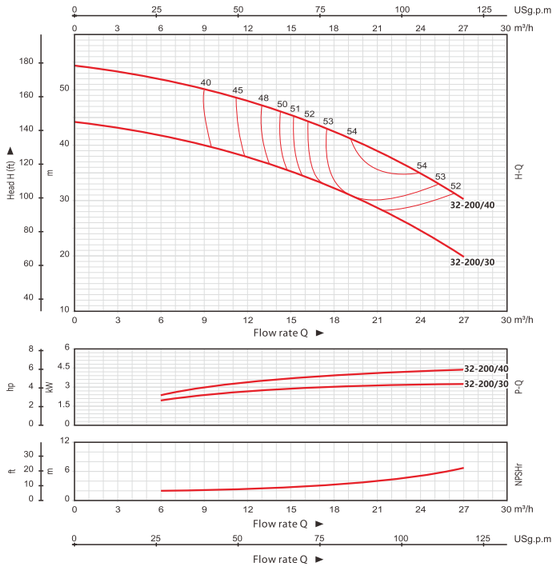
32-125

PERFORMANCE CHART AT n=2900RPM



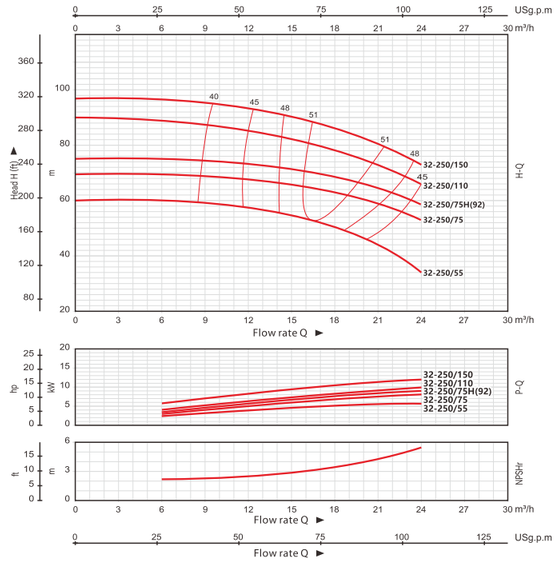
32-160

PERFORMANCE CHART AT n=2900RPM



32-200

PERFORMANCE CHART AT n=2900RPM

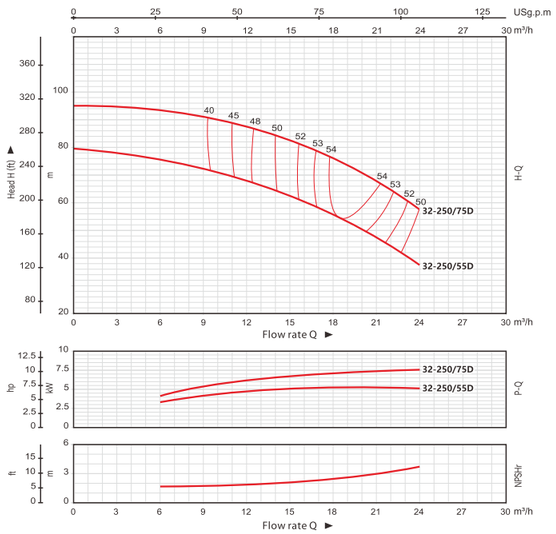


32-250

HST

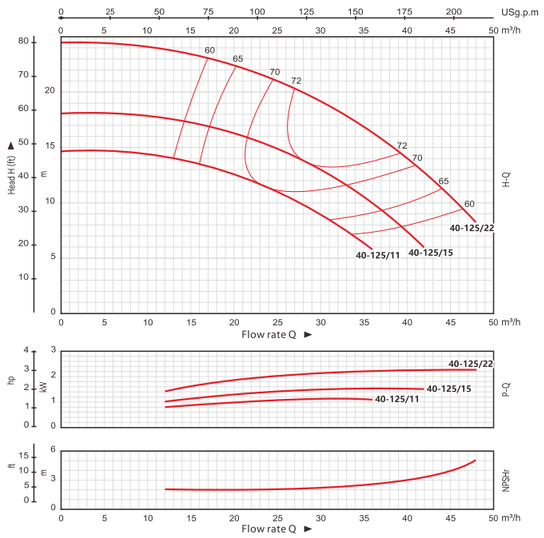
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



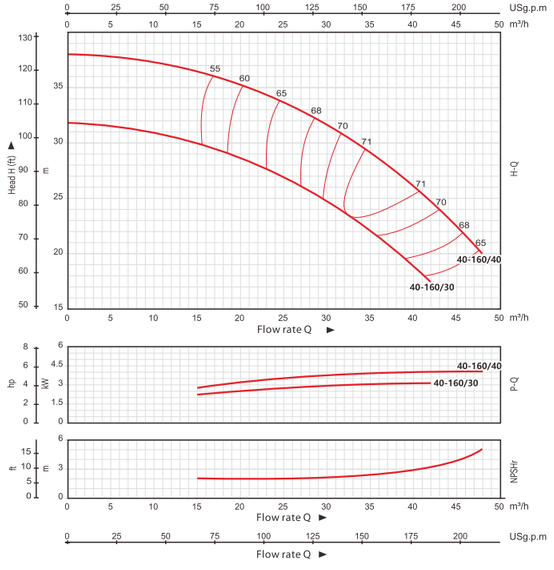
32-250D

PERFORMANCE CHART AT n=2900RPM



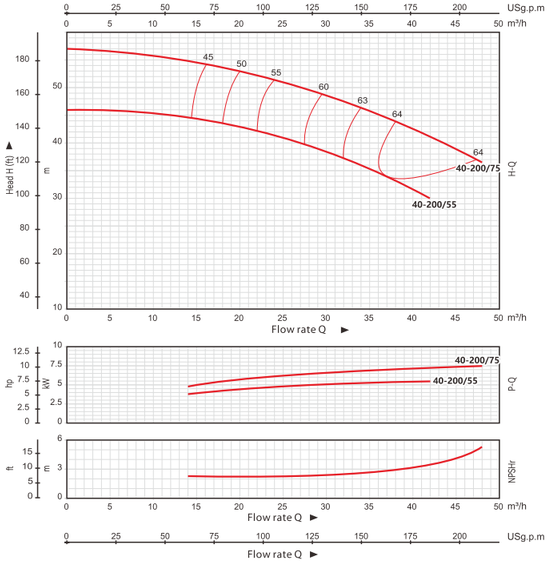
40-125

PERFORMANCE CHART AT n=2900RPM



40-160

PERFORMANCE CHART AT n=2900RPM

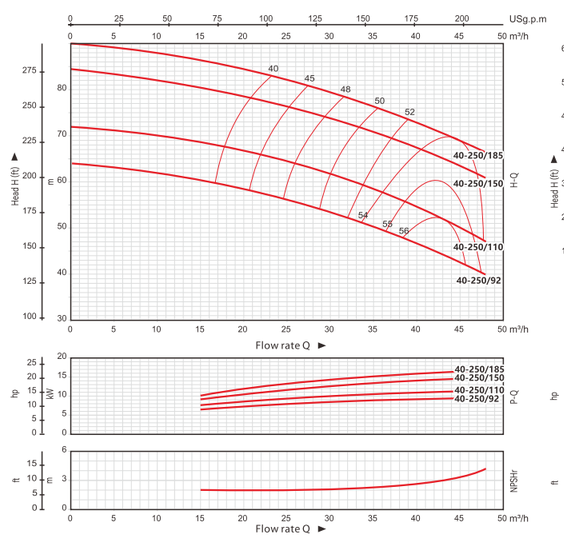


40-200

HST

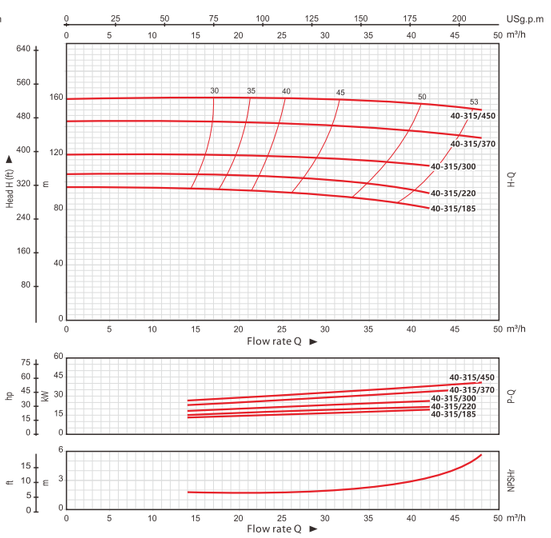
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



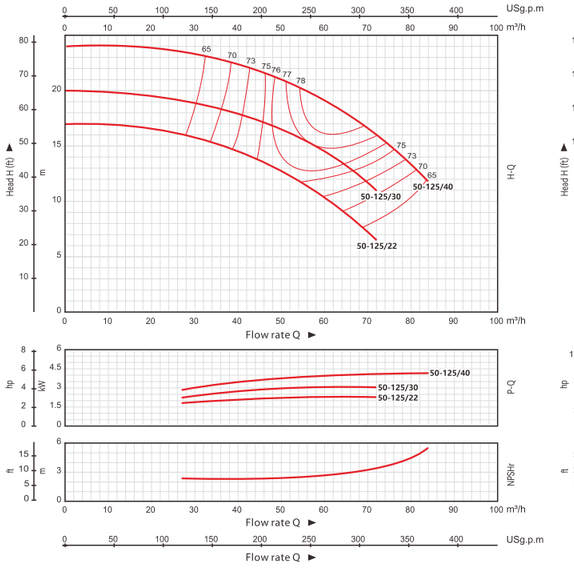
40-250

PERFORMANCE CHART AT n=2900RPM



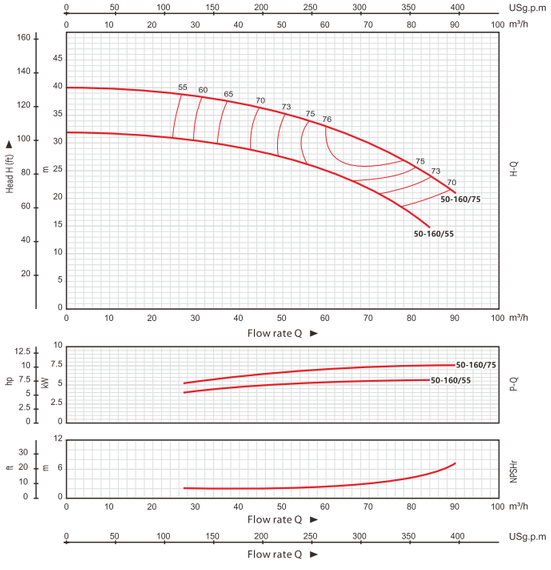
40-315

PERFORMANCE CHART AT n=2900RPM



50-125

PERFORMANCE CHART AT n=2900RPM



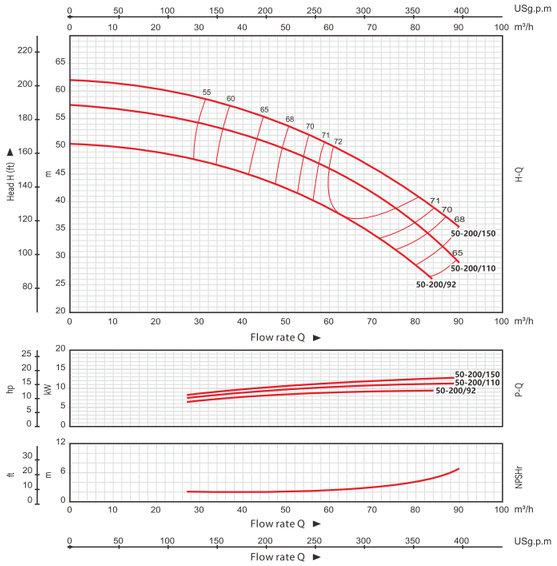
50-160

HST

Standard centrifugal pumps

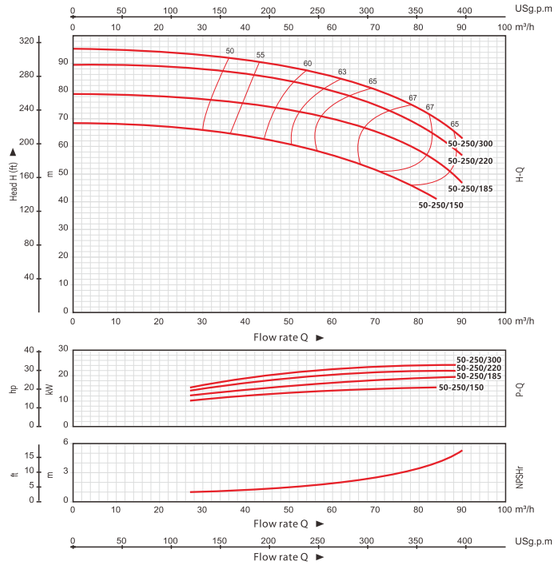
HAPPY®
www.happypump.com

PERFORMANCE CHART AT n=2900RPM



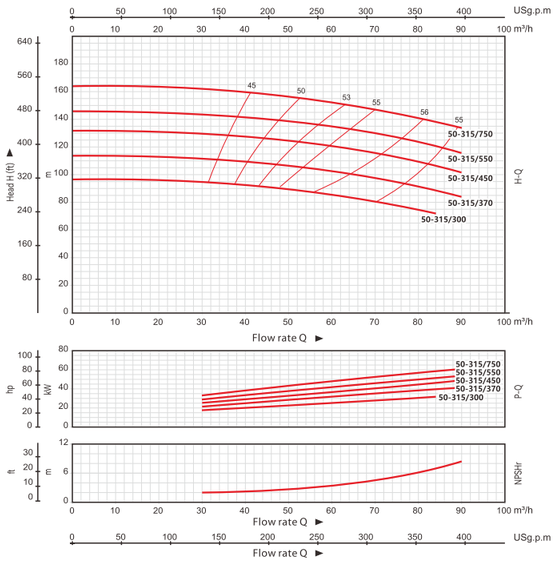
50-200

PERFORMANCE CHART AT n=2900RPM



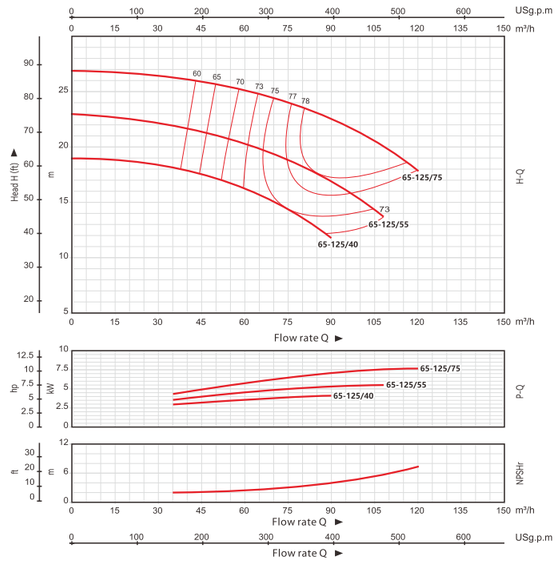
50-250

PERFORMANCE CHART AT n=2900RPM



50-315

PERFORMANCE CHART AT n=2900RPM



65-125

HST

Standard centrifugal pumps

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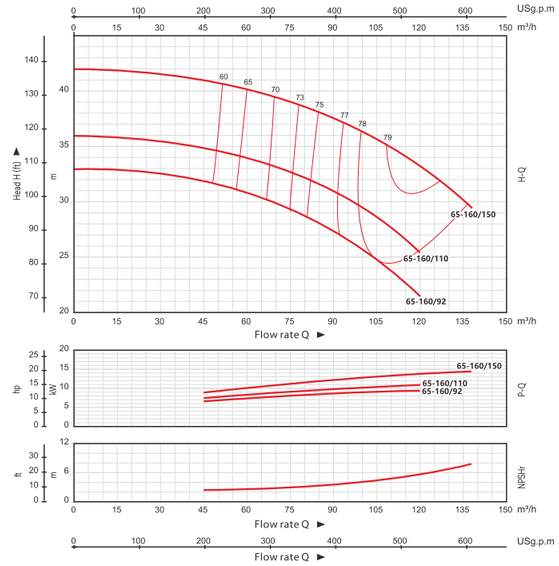
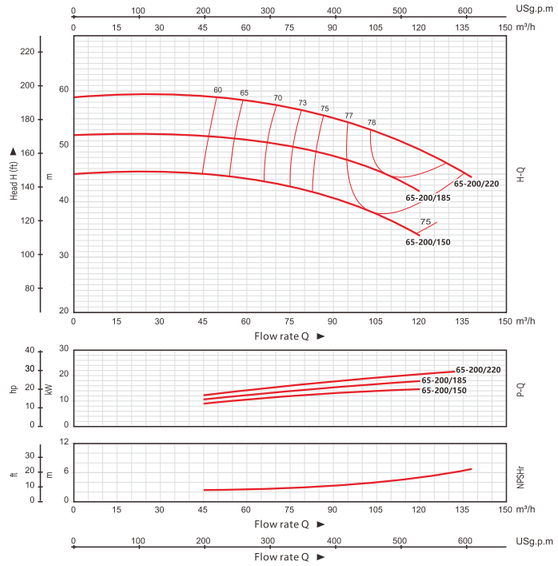
PERFORMANCE CHART AT n=2900RPM



65-160

PERFORMANCE CHART AT n=2900RPM



65-200

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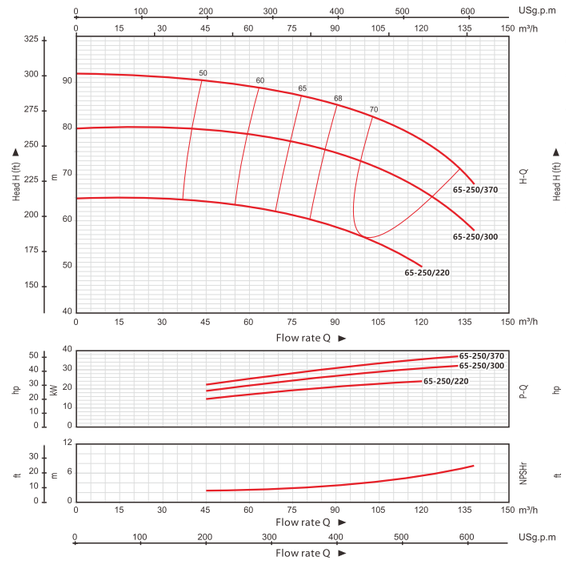
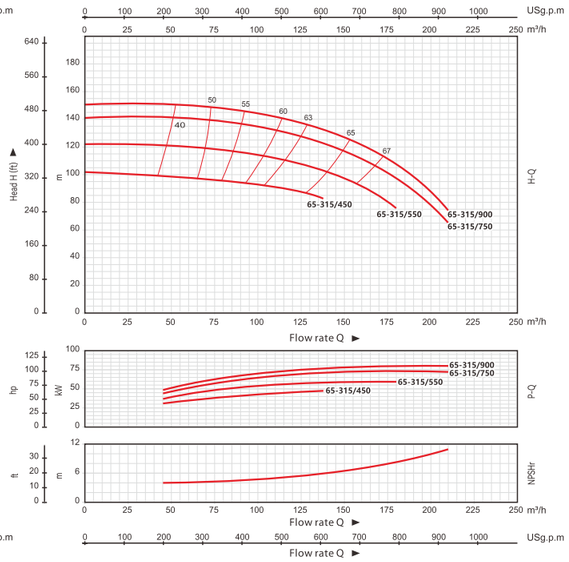


65-250

PERFORMANCE CHART AT n=2900RPM

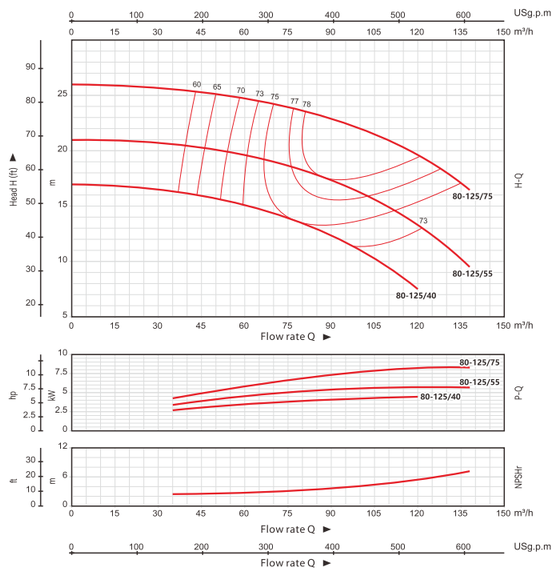


65-315

HST

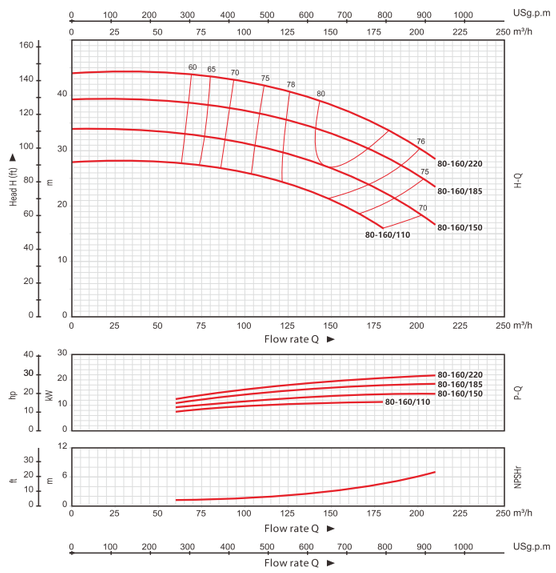
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



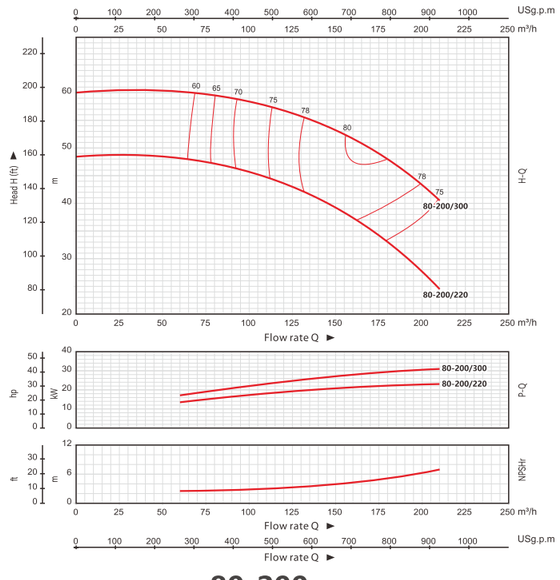
80-125

PERFORMANCE CHART AT n=2900RPM



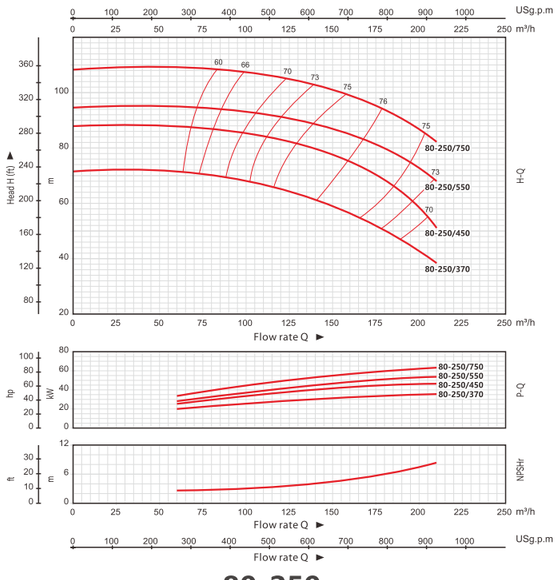
80-160

PERFORMANCE CHART AT n=2900RPM



80-200

PERFORMANCE CHART AT n=2900RPM

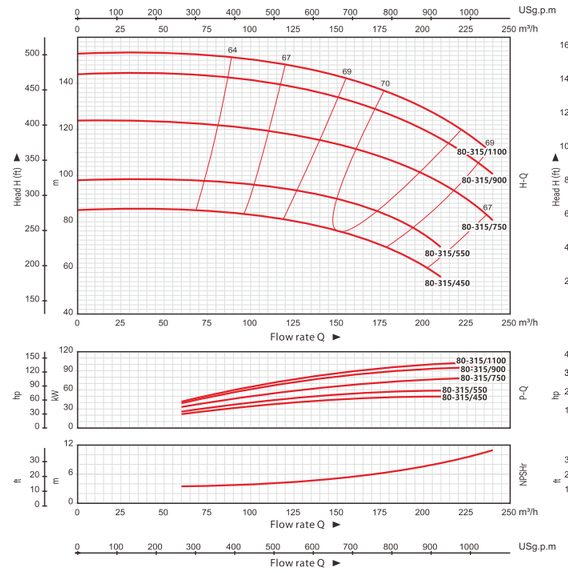


80-250

HST

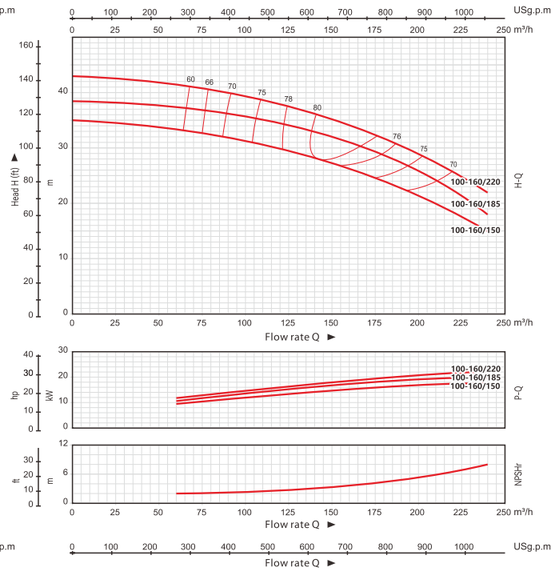
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



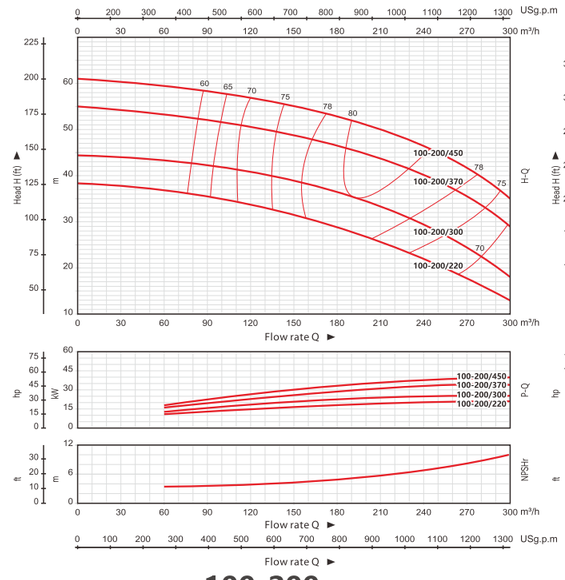
80-315

PERFORMANCE CHART AT n=2900RPM



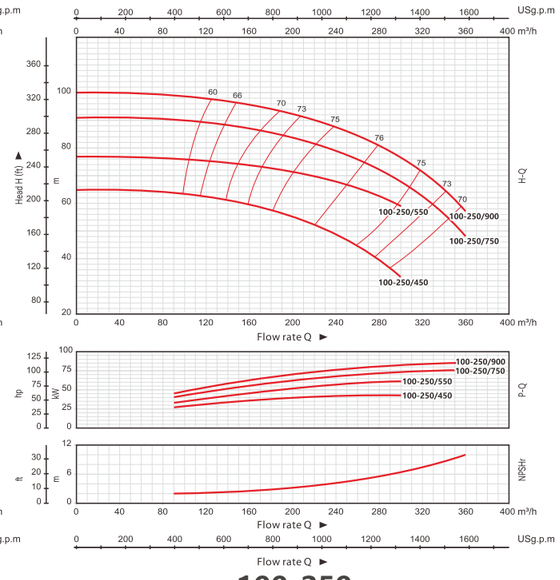
100-160

PERFORMANCE CHART AT n=2900RPM



100-200

PERFORMANCE CHART AT n=2900RPM

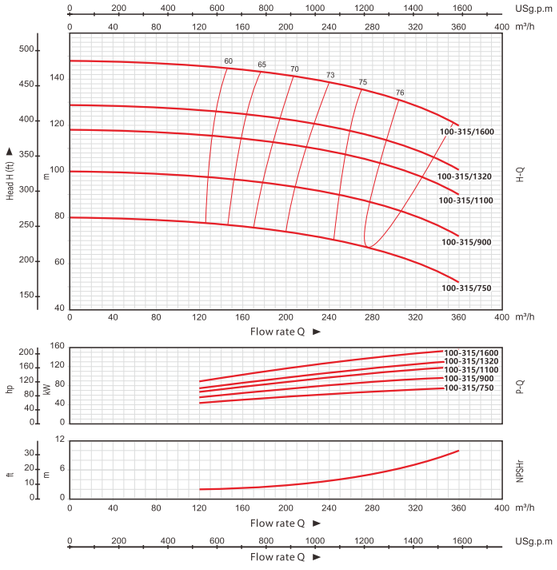


100-250

HST

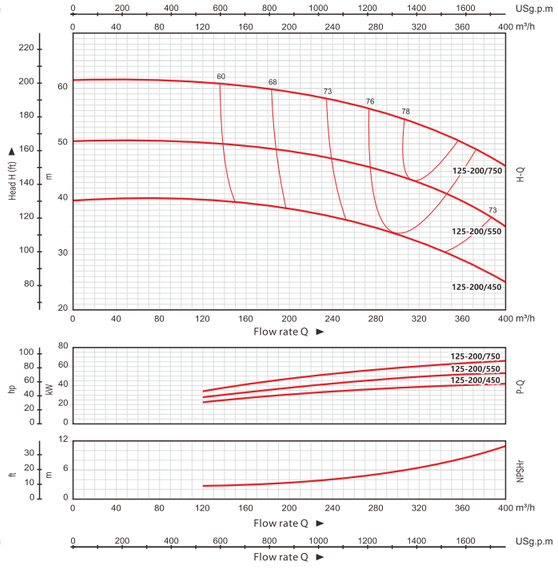
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



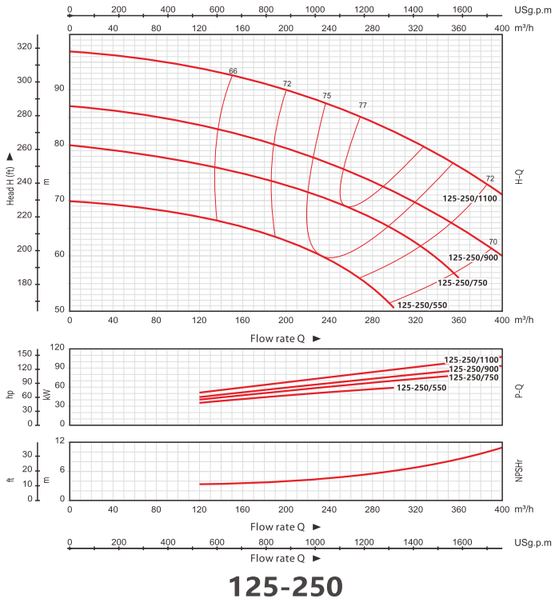
100-315

PERFORMANCE CHART AT n=2900RPM



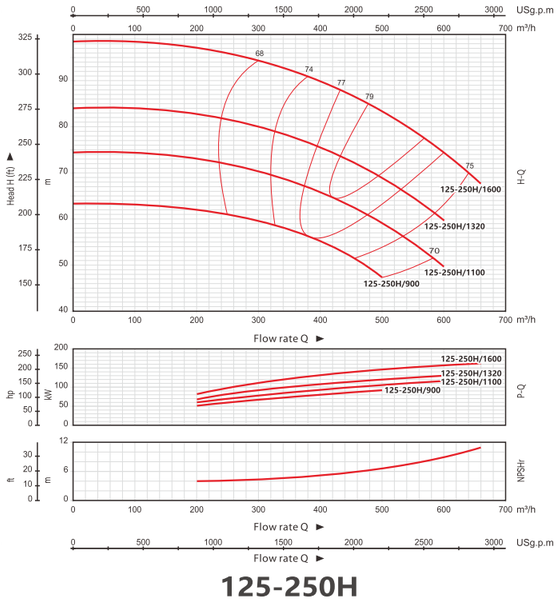
125-200

PERFORMANCE CHART AT n=2900RPM



125-250

PERFORMANCE CHART AT n=2900RPM

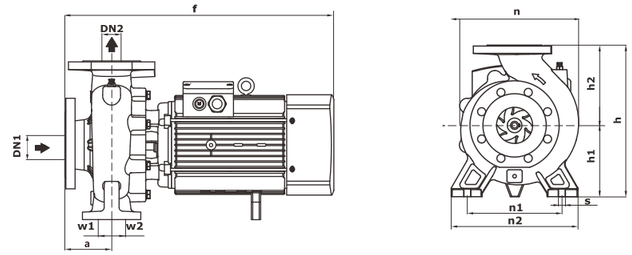


125-250H

HST

Standard centrifugal pumps

DIMENSIONS AND WEIGHT / DIMENSIONES Y PESOS / DIMENSIONS ET POIDS

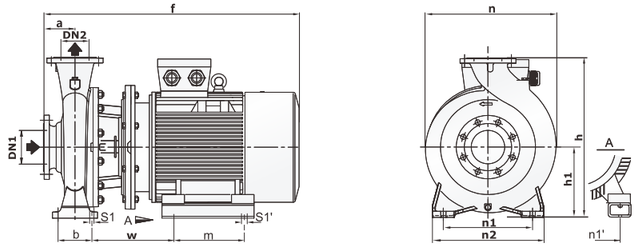


MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm												kg
	DN1	DN2	a	f	h	h1	h2	n	n1	n2	w1	w2	s	3~
HST32-125/7	50	32	80	434	252	112	140	198	141	190	35	35	15	24
HST32-125/11														25
HST32-160/15				430.5	292	132	160	240	191	240				34
HST32-160/22				470.5										39
HST32-160/30														50
HST32-200/30				495.5	340	160	180	265						52
HST32-200/40														53
HST32-250/55			100	579	405	180	225	288	250	320	47.5	47.5		66
HST32-250/75														73
HST32-250/92			88	590	405	186	219	333	250	328	49	49	16	80
HST32-250/110														95
HST32-250/150			94	712	415	186	229	327	250	327				125
HST32-250/55D-75D			154	612	358	160	198	304.5	212	272	47.5	25.5	15	73/180
HST40-125/11	65	40	80	438	252	112	107.5	218	161	210	35	35	15	27
HST40-125/15														29
HST40-125/22				478										34
HST40-160/30				501	292	132	160	248	190	240.5				48
HST40-160/40														50
HST40-200/55-75			100	562	340	160	180	277	211	268.5				66/73
HST40-250/92			94	712	415	186	229	327	250	327	49	49		100
HST40-250/110														116
HST40-250/150														146
HST40-250/185														155
HST50-125/22		50	100	522	312	132	180	246	190	240.5	36	34		41
HST50-125/30														50
HST50-125/40														52
HST50-160/55-75			100	567	340	160	180	274.5	211	268.5	34.5	34.5		64/71
HST50-200/92			104	722	392	186	206	307	232	310	37	37		90
HST50-200/110														106
HST50-200/150			102	720	416	186	230	330	250	327				145
HST50-250/150-185-220											46	46		148/153/183
HST65-125/40	80	65	67.5	576	340	160	180	286	211	284.5				56
HST65-125/55-75														68/74
HST65-160/92			110	730	425	186	239	330	232	309	49	49		90
HST65-160/110														106
HST65-160/150														134
HST65-200/150-185-220			111	740										140/145/185
HST80-125/40	100	80	117	750	357	163	194	330	212	280				56
HST80-125/55-75														68/74
HST80-160/110			88	750	435	186	250	330	255	332				113
HST80-160/150-185-220														143/150/183
HST100-160/150-185-220	125	100	130	765	435	186	250	345	262	340	55	55	16	143/150/183

HST

Standard centrifugal pumps

DIMENSIONS AND WEIGHT / DIMENSIONES Y PESOS / DIMENSIONS ET POIDS

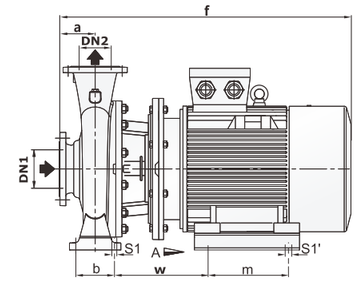


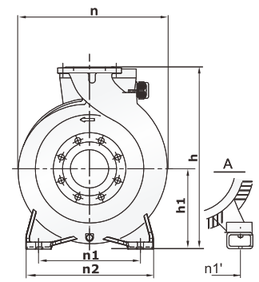
MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm															kg
	DN1	DN2	a	f	h1	h	n	n1	n1'	n2	b	w	m	s1	s1'	3~
HST65-250/220	80	65	116	870	420	180	369	280	279	360	120	237	241	18	15	214
HST65-250/300	80	65	116	990	420	180	369	280	318	360	120	278	305	18	18	265
HST65-250/370	80	65	116	990	420	180	369	280	318	360	120	278	305	18	18	285
HST65-315/450	80	65	125	1069	505	225	440	280	356	360	120	324	311	18	18	371
HST65-315/550	80	65	125	1160	505	225	440	280	406	360	120	373	349	18	24	450
HST65-315/750	80	65	125	1232	505	225	440	280	457	360	120	395	368	18	24	582
HST65-315/900	80	65	125	1283	505	225	440	280	457	360	120	395	419	18	24	617
HST80-200/220	100	80	125	880	460	250	360	280	279	345	95	251	241	14	15	211
HST80-200/300	100	80	125	950	460	250	360	280	318	345	95	242	305	14	18	262
HST80-250/370	100	80	125	950	535	250	410	315	318	400	120	229	305	18	18	289
HST80-250/450	100	80	125	980	535	250	410	315	356	400	120	235	311	18	18	362
HST80-250/550	100	80	125	1160	535	250	410	315	406	400	120	373	349	18	24	441
HST80-315/450	100	80	125	1069	565	250	452	315	356	400	120	324	311	18	18	381
HST80-315/550	100	80	125	1160	565	250	452	315	406	400	120	373	349	18	24	460
HST80-315/750	100	80	125	1232	565	250	452	315	457	400	120	395	368	18	24	592
HST80-315/900	100	80	125	1283	565	250	452	315	457	400	120	395	419	18	24	627
HST100-200/220	125	100	125	910	530	225	422	280	279	360	120	268	241	18	15	216
HST100-200/300	125	100	125	1025	530	225	422	280	318	360	120	304	305	18	18	267
HST100-200/370	125	100	125	1025	530	225	422	280	318	360	120	304	305	18	18	287
HST100-250/450	125	100	140	1000	580	250	450	315	356	400	120	240	311	18	18	366
HST100-250/550	125	100	140	1180	580	250	450	315	406	400	120	378	349	18	24	445
HST100-250/750	125	100	140	1250	580	250	450	315	457	400	120	398	368	18	24	577
HST100-250/900	125	100	140	1300	580	250	422	315	457	400	120	397	419	18	24	612
HST100-315/750	125	100	140	1262	625	250	480	315	457	400	120	410	368	19	24	591
HST100-315/900	125	100	140	1313	625	250	480	315	457	400	120	410	419	19	24	626
HST100-315/1100	125	100	140	1474	625	250	480	315	508	400	120	436	406	19	28	972
HST100-315/1320	125	100	140	1584	625	250	480	315	508	400	120	436	457	19	28	1087
HST100-315/1600	125	100	140	1584	625	250	480	315	508	400	120	436	508	19	28	1125

HST

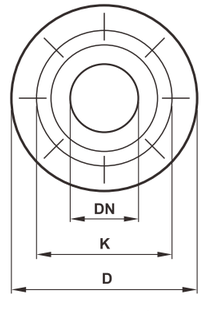
Standard centrifugal pumps

DIMENSIONS AND WEIGHT / DIMENSIONES Y PESOS / DIMENSIONS ET POIDS





MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm															kg
	DN1	DN2	a	f	h1	h	n	n1	n1'	n2	b	w	m	s1	s1'	3~
HST125-200/450	150	125	140	1099	565	250	422	315	356	400	120	339	311	19	18	378
HST125-200/550	150	125	140	1190	565	250	422	315	406	400	120	388	349	19	24	457
HST125-200/750	150	125	140	1262	565	250	422	315	457	400	120	410	368	19	24	589
HST125-250/550	150	125	140	1190	605	250	500	315	406	400	120	388	349	19	24	457
HST125-250/750	150	125	140	1262	605	250	500	315	457	400	120	410	368	19	24	589
HST125-250/900	150	125	140	1313	605	250	500	315	457	400	120	410	419	19	24	624



FLANGES

DN	D	K	HOLES	
FLANGES	mm	mm	N	mm
32	140	100	4	18
40	150	110		
50	165	125		
65	185	145		
80	200	160	8	
100	220	180		

HS

Centrifugal pumps

Application

HS series stainless steel sea pump structure is compact, with large flow, flow parts are made of stainless steel, suitable for transporting corrosive liquids, especially suitable for mariculture.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP54**
- Continuous service **S1**
- Three-phase 380V/50Hz

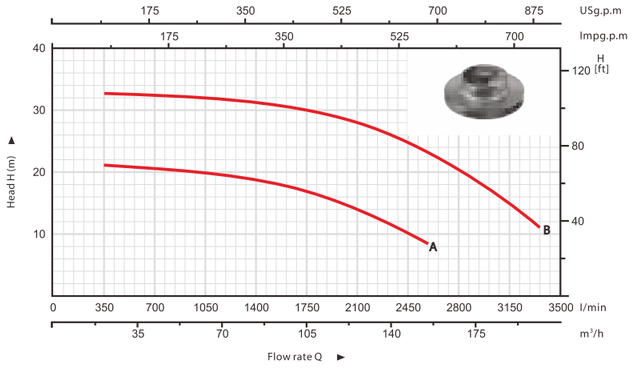
HS

Operating conditions

- Liquid temperature up to **40 ℃**
- Ambient temperature up to **40 ℃**
- The volume content of solid particles in the conveying medium does not exceed 0.1% of the unit volume, and the particle size is <0.2mm.

Component	Construction
Pump body:	AISI304 SS
Pump support:	AISI304 SS
Motor housing:	Cast iron
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**150HS130-12-7.5**	6" × 6"	75	700×370×450
B	**150HS130-25-11**	6" × 6"	114	755×435×505

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	75	100	125	150	175	200
					0	1250	1665	2080	2500	2915	3333
A	**150HS130-12-7.5**	7.5	10	H	22	19	17	14	9		
B	**150HS130-25-11**	11	15		33	32	31	27	23	18	11

SL

Centrifugal pump

Application

SL series stainless steel pumps with high flow rates and stainless steel fluid parts, suitbale for use with clean water, such as aquaculture water supply and drainage, agriculture irrigation systems, etc.

Motor

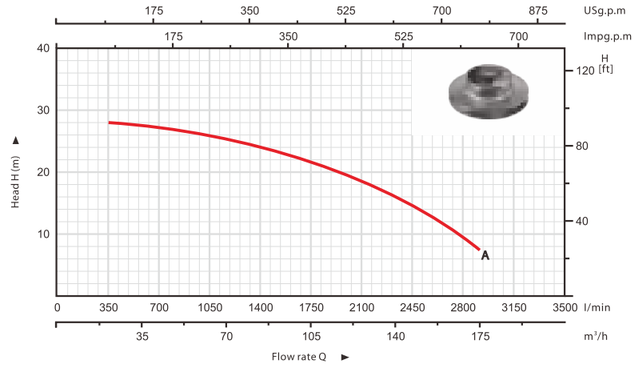
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class F**
- Protection **IP68**
- Continuous service **S1**
- Three-phase 380V/50Hz

Operating conditions

- Liquid temperature up to **40 ℃**
- Ambient temperature up to **40 ℃**

Component	Construction
Pump body:	AISI304 SS
Motor housing:	AISI304 SS
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**150SL115-19-7.5**	6" × 6"	92.5	725×465×360

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	50	75	100	125	150	175
					0	833	1250	1665	2080	2500	2915
A	**150SL115-19-7.5**	7.5	10	H	29	26.5	24.5	22	17	12	6

HMC15-M

Horizontal multistage pumps

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

HMC15-M

Motor

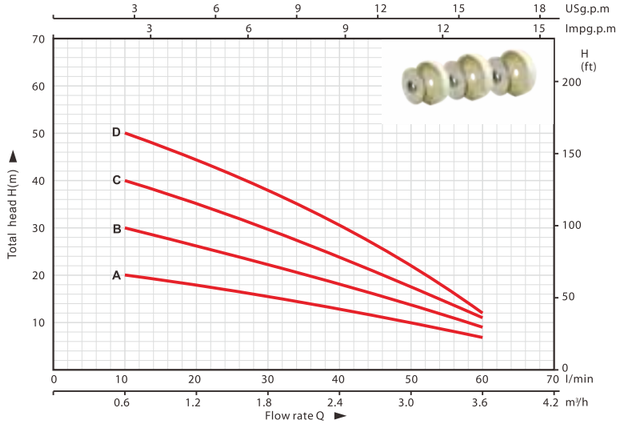
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

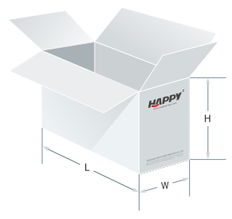
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC15-2M**	1"×1"	8.1	413×165×210
B	**HMC15-3M**	1"×1"	8.8	437×165×210
C	**HMC15-4M**	1"×1"	9.4	461×165×210
D	**HMC15-5M**	1"×1"	9.9	485×165×210



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
				Q(l/min)	0	10	20	30	40	50	60
A	**HMC15-2M**	0.25	0.34	H	22	20	18	16	13	10	7
B	**HMC15-3M**	0.37	0.5		33	30	26	22	18	14	9
C	**HMC15-4M**	0.55	0.75		44	40	35	30	24	18	11
D	**HMC15-5M**	0.75	1		55	50	44	38	31	22	12

HMC-S

Horizontal multistage pumps

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

HMC-S

Motor

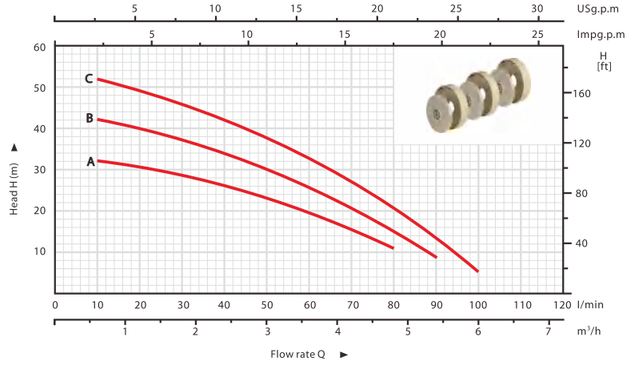
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

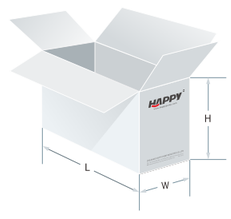
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC-3S**	1"×1"	11.4	430×190×215
B	**HMC-4S**	1"×1"	13	455×190×215
C	**HMC-5S**	1"×1"	14	480×190×215



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
				Q(l/min)	0	10	20	30	40	50	60	70	80	90	100
A	**HMC-3S**	0.55	0.75	H	33	32	30.5	28.5	26	23	19.5	15.5	11		
B	**HMC-4S**	0.75	1		44	42	40	37	34	30	25.5	20.5	15	9	
C	**HMC-5S**	0.9	1.2		55	52	49	46	42	38	33	27	20.5	13.5	5

HMC60-SH

Horizontal multistage pumps

HMC60-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

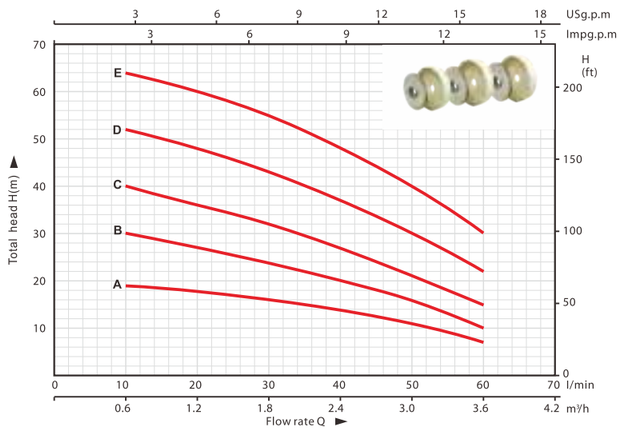
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

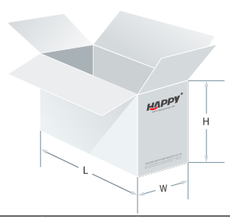
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS, Techno-polymer if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC60-2SH**	1"×1"	8.6	395×185×195
B	**HMC60-3SH**	1"×1"	8.9	420×185×195
C	**HMC60-4SH**	1"×1"	11.1	489×190×215
D	**HMC60-5SH**	1"×1"	12	514×190×215
E	**HMC60-6SH**	1"×1"	13.1	539×190×215



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60
A	**HMC60-2SH**	0.37	0.5		20	19	18	16	14	11	7
B	**HMC60-3SH**	0.5	0.65		32	30	27	24	20	16	10
C	**HMC60-4SH**	0.7	0.95	H	43	40	36	32	27	21	15
D	**HMC60-5SH**	0.85	1.15		54	52	48	43	37	30	22
E	**HMC60-6SH**	1	1.3		66	64	60	55	48	40	30

HMC90-SH

Horizontal multistage pumps

HMC90-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

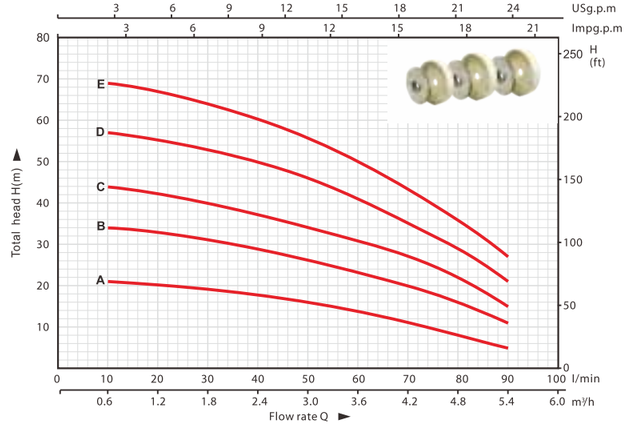
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

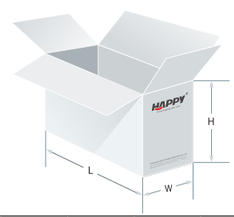
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS, Techno-polymer if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC90-2SH**	1"×1"	8.7	395×185×195
B	**HMC90-3SH**	1"×1"	11.2	464×190×215
C	**HMC90-4SH**	1"×1"	12.2	489×190×215
D	**HMC90-5SH**	1"×1"	13.3	514×190×215
E	**HMC90-6SH**	1"×1"	17.1	559×245×255



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80	5.4 / 90
A	**HMC90-2SH**	0.45	0.6		22	21	20	19	18	16	14	11	8	5
B	**HMC90-3SH**	0.65	0.9		35	34	33	31	29	26	23	20	16	11
C	**HMC90-4SH**	0.75	1	H	45	44	42	40	37	34	31	27	22	15
D	**HMC90-5SH**	1	1.3		58	57	55	53	50	46	41	35	29	21
E	**HMC90-6SH**	1.3	1.75		70	69	67	64	60	56	50	43	36	27

HMC145-SH

Horizontal multistage pumps

HMC145-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

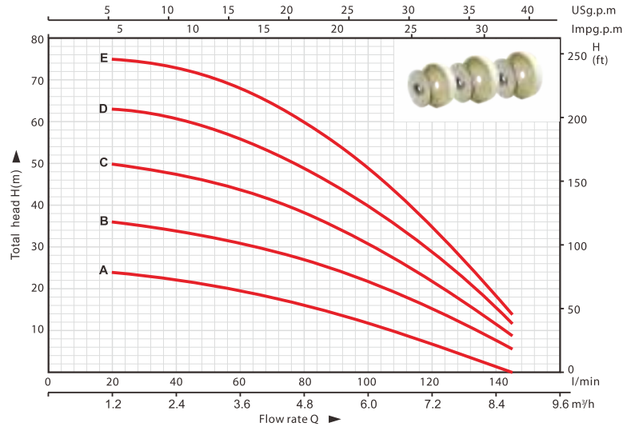
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

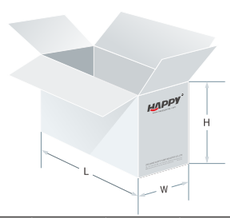
Component / Construction

- **Pump body:** Cast iron + Stainless steel
- **Pump support:** Cast iron
- **Motor housing:** Aluminum
- **Impeller:** AISI304 SS, Techno-polymer if request
- **Motor shaft:** AISI304 SS
- **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC145-2SH**	$1\frac{1}{4}$"×1"	10.8	439×190×215
B	**HMC145-3SH**	$1\frac{1}{4}$"×1"	12.6	464×190×215
C	**HMC145-4SH**	$1\frac{1}{4}$"×1"	17.5	509×245×255
D	**HMC145-5SH**	$1\frac{1}{4}$"×1"	19	534×245×255
E	**HMC145-6SH**	$1\frac{1}{4}$"×1"	23.5	619×237×275



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.2 / 20	2.4 / 40	3.6 / 60	4.8 / 80	6 / 100	7.2 / 120	7.8 / 130	8.7 / 145
A	**HMC145-2SH**	0.55	0.75		25	24	22	20	16	12	7	4	0
B	**HMC145-3SH**	0.75	1		37	36	34	31	27	22	15	12	6
C	**HMC145-4SH**	1.1	1.5	H	52	50	47	44	38	31	22	17	9
D	**HMC145-5SH**	1.5	2		64	63	61	56	49	40	29	23	12
E	**HMC145-6SH**	1.85	2.5		76	75	73	68	60	49	35	27	14

HMC170-SH

Horizontal multistage pumps

HMC170-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

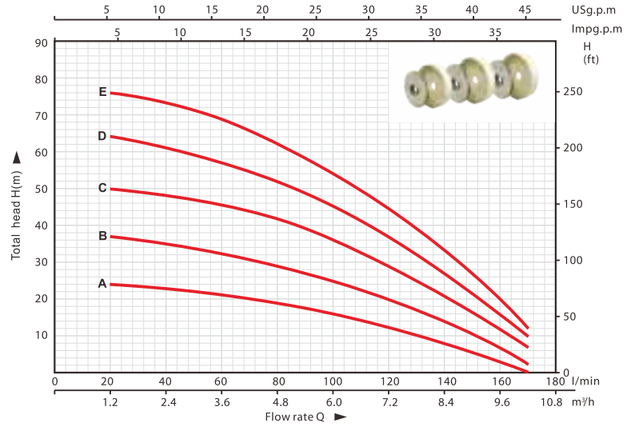
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

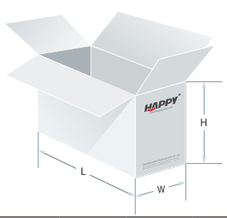
Component / Construction

- **Pump body:** Cast iron + Stainless steel
- **Pump support:** Cast iron
- **Motor housing:** Aluminum
- **Impeller:** AISI304 SS
- **Motor shaft:** AISI304 SS
- **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC170-2SH**	$1\frac{1}{4}$"×$1\frac{1}{4}$"	12.3	439×190×215
B	**HMC170-3SH**	$1\frac{1}{4}$"×$1\frac{1}{4}$"	13.1	464×190×215
C	**HMC170-4SH**	$1\frac{1}{4}$"×$1\frac{1}{4}$"	18.8	509×245×255
D	**HMC170-5SH**	$1\frac{1}{4}$"×$1\frac{1}{4}$"	19.6	534×245×255
E	**HMC170-6SH**	$1\frac{1}{4}$"×$1\frac{1}{4}$"	25	619×237×275



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.2 / 20	2.4 / 40	3.6 / 60	4.8 / 80	6 / 100	7.2 / 120	8.4 / 140	9.6 / 160	10.2 / 170
A	**HMC170-2SH**	0.75	1		25	24	23	21	19	16	12	8	3	0
B	**HMC170-3SH**	1	1.3		38	37	35	33	29	25	20	14	7	2
C	**HMC170-4SH**	1.35	1.8	H	52	50	48	45	42	36	29	21	12	7
D	**HMC170-5SH**	1.65	2.2		65	64	61	57	52	45	37	27	16	10
E	**HMC170-6SH**	2.1	2.8		78	76	73	69	62	54	45	33	20	12

HMC60-SV

Vertical multistage pumps

HMC60-SV

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

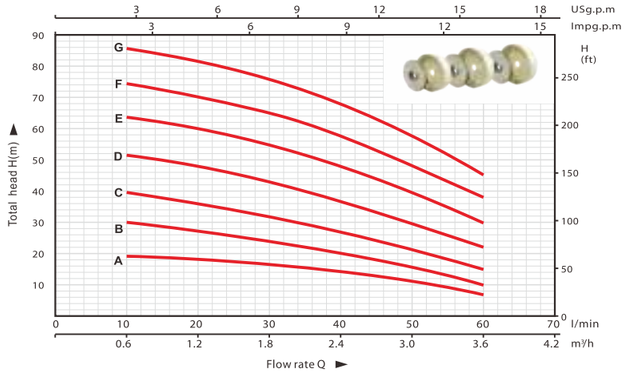
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS, Techno-polymer if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC60-2SV**	1"×1"	10.8	379×185×195
B	**HMC60-3SV**	1"×1"	11.2	449×230×235
C	**HMC60-4SV**	1"×1"	13.3	499×230×240
D	**HMC60-5SV**	1"×1"	14.2	524×230×240
E	**HMC60-6SV**	1"×1"	15.3	549×230×240
F	**HMC60-7SV**	1"×1"	24.1	609×265×265
G	**HMC60-8SV**	1"×1"	25.3	634×265×265

NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
				Q(l/min)	0	10	20	30	40	50	60
A	**HMC60-2SV**	0.37	0.5		20	19	18	16	14	11	7
B	**HMC60-3SV**	0.5	0.65		32	30	27	24	20	16	10
C	**HMC60-4SV**	0.7	0.95		43	40	36	32	27	21	15
D	**HMC60-5SV**	0.85	1.15	H	54	52	48	43	37	30	22
E	**HMC60-6SV**	1	1.3		66	64	60	55	48	40	30
F	**HMC60-7SV**	1.2	1.6		77	75	70	65	58	48	38
G	**HMC60-8SV**	1.4	1.85		88	86	82	76	68	58	45

HMC90-SV

Vertical multistage pumps

HMC90-SV

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

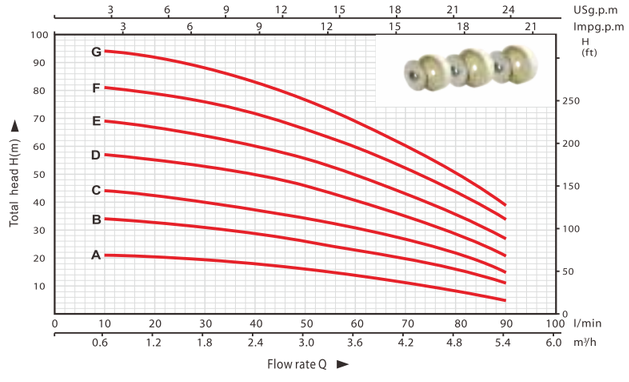
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS, Techno-polymer if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC90-2SV**	1"×1"	11	379×185×195
B	**HMC90-3SV**	1"×1"	13.5	474×230×240
C	**HMC90-4SV**	1"×1"	14.6	499×230×240
D	**HMC90-5SV**	1"×1"	15.8	524×230×240
E	**HMC90-6SV**	1"×1"	20.2	574×250×260
F	**HMC90-7SV**	1"×1"	21.7	609×265×265
G	**HMC90-8SV**	1"×1"	23.5	644×265×265

NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
				Q(l/min)	0	10	20	30	40	50	60	70	80	90
A	**HMC90-2SV**	0.45	0.6		22	21	20	19	18	16	14	11	8	5
B	**HMC90-3SV**	0.65	0.9		35	34	33	31	29	26	23	20	16	11
C	**HMC90-4SV**	0.75	1		45	44	42	40	37	34	31	27	22	15
D	**HMC90-5SV**	1	1.3	H	58	57	55	53	50	46	41	35	29	21
E	**HMC90-6SV**	1.3	1.75		70	69	67	64	60	56	50	43	36	27
F	**HMC90-7SV**	1.5	2		82	81	79	76	72	66	60	52	44	34
G	**HMC90-8SV**	1.65	2.2		95	94	92	88	83	77	69	60	51	39

HMC145-SV

Vertical multistage pumps

HMC145-SV

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

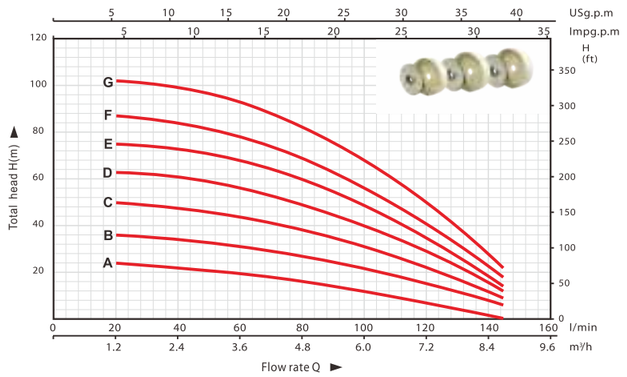
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component / Construction

Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS, Techno-polymer if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC145-2SV**	$1\frac{1}{4}"\times1"$	13	449×230×240
B	**HMC145-3SV**	$1\frac{1}{4}"\times1"$	14	474×230×240
C	**HMC145-4SV**	$1\frac{1}{4}"\times1"$	21.7	534×265×265
D	**HMC145-5SV**	$1\frac{1}{4}"\times1"$	23	559×265×265
E	**HMC145-6SV**	$1\frac{1}{4}"\times1"$	29.8	634×285×270
F	**HMC145-7SV**	$1\frac{1}{4}"\times1"$	31	684×280×275
G	**HMC145-8SV**	$1\frac{1}{4}"\times1"$	32.6	709×280×275

NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	7.8	8.7
				Q(l/min)	0	20	40	60	80	100	120	130	145
A	**HMC145-2SV**	0.55	0.75		25	24	22	20	16	12	7	4	0
B	**HMC145-3SV**	0.75	1		37	36	34	31	27	22	15	12	6
C	**HMC145-4SV**	1.1	1.5		52	50	47	44	38	31	22	17	9
D	**HMC145-5SV**	1.5	2	H	64	63	61	56	49	40	29	23	12
E	**HMC145-6SV**	1.85	2.5		76	75	73	68	60	49	35	27	14
F	**HMC145-7SV**	2.2	3		89	87	84	78	69	56	41	32	18
G	**HMC145-8SV**	2.5	3.3		104	102	99	93	82	68	50	40	22

HMC170-SV

Vertical multistage pumps

HMC170-SV

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

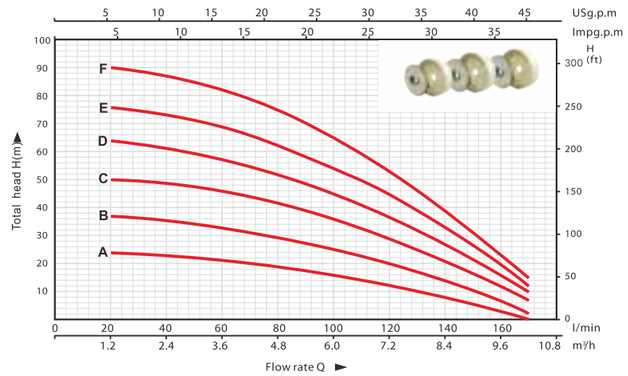
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component / Construction

Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC170-2SV**	$1\frac{1}{4}"\times1\frac{1}{4}"$	14	449×230×240
B	**HMC170-3SV**	$1\frac{1}{4}"\times1\frac{1}{4}"$	15.2	474×230×240
C	**HMC170-4SV**	$1\frac{1}{4}"\times1\frac{1}{4}"$	22.5	534×265×265
D	**HMC170-5SV**	$1\frac{1}{4}"\times1\frac{1}{4}"$	23.6	559×265×265
E	**HMC170-6SV**	$1\frac{1}{4}"\times1\frac{1}{4}"$	28.5	659×280×275
F	**HMC170-7SV**	$1\frac{1}{4}"\times1\frac{1}{4}"$	32	684×280×275

NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.2
				Q(l/min)	0	20	40	60	80	100	120	140	160	170
A	**HMC170-2SV**	0.75	1		25	24	23	21	19	16	12	8	3	0
B	**HMC170-3SV**	1	1.3		38	37	35	33	29	25	20	14	7	2
C	**HMC170-4SV**	1.35	1.8		52	50	48	45	42	36	29	21	12	7
D	**HMC170-5SV**	1.65	2.2	H	65	64	61	57	52	45	37	27	16	10
E	**HMC170-6SV**	2.1	2.8		78	76	73	69	62	54	45	33	20	12
F	**HMC170-7SV**	2.4	3.2		92	90	87	82	75	65	53	39	23	15

HMC-VE

Vertical multistage pumps

HMC-VE

HAPPY®
www.happypump.com

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The high efficiency and adaptability of these pumps to even the most unusual of applications, makes them ideal for use in the domestic, civil and industrial sectors: in particular for the distribution of water in combination with pressure sets and for pressure boosting.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

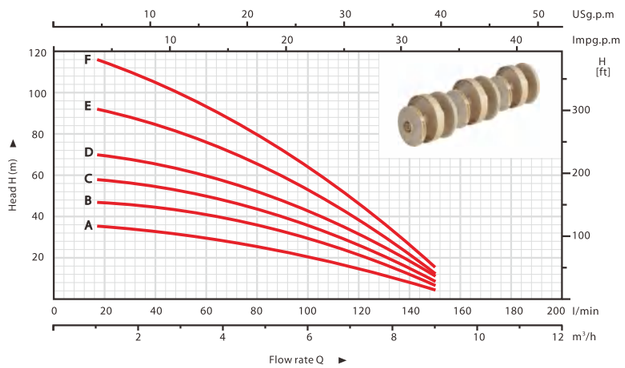
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Alloy
Impeller:	Techno-polymer, AISI304 SS if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC-3VE**	$1\frac{1}{4}" \times 1\frac{1}{4}"$	19	520×240×265
B	**HMC-4VE**	$1\frac{1}{4}" \times 1\frac{1}{4}"$	20.5	555×240×265
C	**HMC-5VE**	$1\frac{1}{4}" \times 1\frac{1}{4}"$	22	590×240×265
D	**HMC-6VE**	$1\frac{1}{4}" \times 1\frac{1}{4}"$	24	635×240×265
E	**HMC-8VE**	$1\frac{1}{4}" \times 1\frac{1}{4}"$	27	740×235×270
F	**HMC-10VE**	$1\frac{1}{4}" \times 1\frac{1}{4}"$	31.5	830×235×270

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.9 / 15	1.8 / 30	2.7 / 45	3.6 / 60	4.5 / 75	5.4 / 90	6.3 / 105	7.2 / 120	8.1 / 135	9 / 150
A	**HMC-3VE**	0.75	1	H	36	35	34	32	30	27	23	19	15	10	5
B	**HMC-4VE**	1.1	1.5		48	47	46	44	41	38	34	29	23	16	7
C	**HMC-5VE**	1.35	1.8		60	58.5	57	55	51	46	41	35	28	19	8
D	**HMC-6VE**	1.65	2.2		72	70	67	64	59	53	46	38.5	30.5	22	10
E	**HMC-8VE**	2	2.7		96	92	88	84	78	70	60	49	37	25	13
F	**HMC-10VE**	2.5	3.3		120	116	110	104	95	83	71	57	43	30	16

HMC-VF

Vertical multistage pumps

HMC-VF

HAPPY®
www.happypump.com

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The high efficiency and adaptability of these pumps to even the most unusual of applications, makes them ideal for use in the domestic, civil and industrial sectors: in particular for the distribution of water in combination with pressure sets and for pressure boosting.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

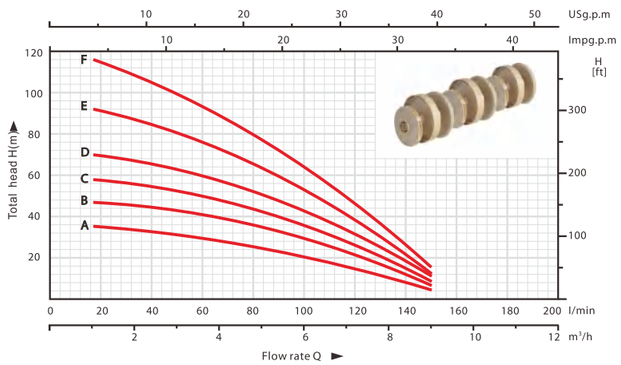
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Alloy
Impeller:	Techno-polymer, AISI304 SS if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC-3VF**	$1\frac{1}{2}" \times 1\frac{1}{2}"$	19	520×240×265
B	**HMC-4VF**	$1\frac{1}{2}" \times 1\frac{1}{2}"$	20.5	555×240×265
C	**HMC-5VF**	$1\frac{1}{2}" \times 1\frac{1}{2}"$	22	590×240×265
D	**HMC-6VF**	$1\frac{1}{2}" \times 1\frac{1}{2}"$	24	635×240×265
E	**HMC-8VF**	$1\frac{1}{2}" \times 1\frac{1}{2}"$	27	740×235×270
F	**HMC-10VF**	$1\frac{1}{2}" \times 1\frac{1}{2}"$	31.5	830×235×270

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.9 / 15	1.8 / 30	2.7 / 45	3.6 / 60	4.5 / 75	5.4 / 90	6.3 / 105	7.2 / 120	8.1 / 135	9 / 150
A	**HMC-3VF**	0.75	1	H	36	35	34	32	30	27	23	19	15	10	5
B	**HMC-4VF**	1.1	1.5		48	47	46	44	41	38	34	29	23	16	7
C	**HMC-5VF**	1.35	1.8		60	58.5	57	55	51	46	41	35	28	19	8
D	**HMC-6VF**	1.65	2.2		72	70	67	64	59	53	46	38.5	30.5	22	10
E	**HMC-8VF**	2	2.7		96	92	88	84	78	70	60	49	37	25	13
F	**HMC-10VF**	2.5	3.3		120	116	110	104	95	83	71	57	43	30	16

HMC-SV

Vertical multistage pumps

HMC-SV

HBMC-SV
(if request)

Application

Water supply: Pressure boosting for main pipes and high-rise buildings.
Industrial pressure boosting: Water system, cleaning system, high pressure washing system and firefighting system.
Pressure boosting for pressure tank, sprinkling irrigation and trichling irrigation.
Air conditioner, cooling system and industrial cleaning.

Features

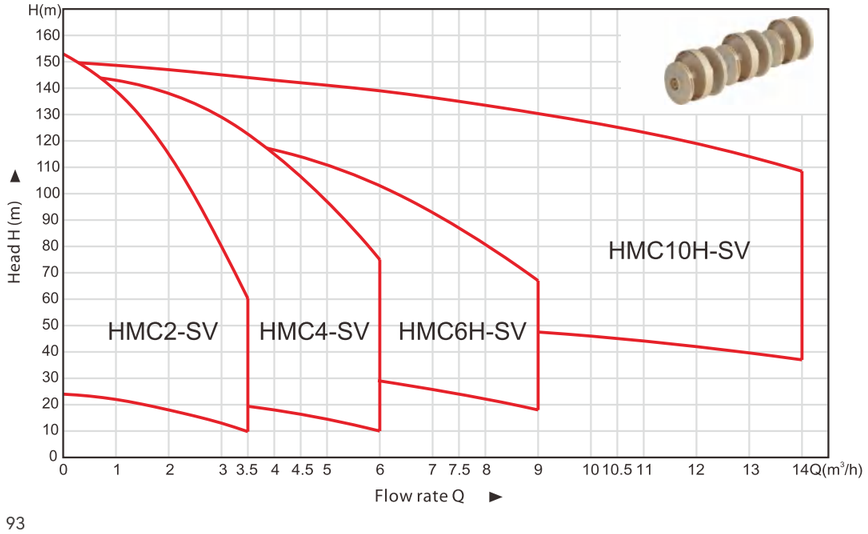
- Economic vertical multistage pumps
- Applicable for a wide scope of different temperatures, flow ratesand pressure ranges
- Water inlet and outlet can be rotated for proper assembly in accordance with installation requirement
- Easy installation and maintenance
- Advanced hydraulic model design, featuring stable operation and high efficiency
- Cast iron water inlet and outlet with special anti-rust treatment
- High-strength engineering plastic flow passage components
- Reliable stainless steel welded shaft

Operating conditions

- Liquid temperature up to **75 ℃**
- Ambient temperature up to **40 ℃**
- Max. operating pressure: **15 bar**
- Altitude: up to **1000 m**
- Single-phase: 220V/50Hz, 60Hz if request
- Three-phase: 380V/50Hz, 60Hz if request

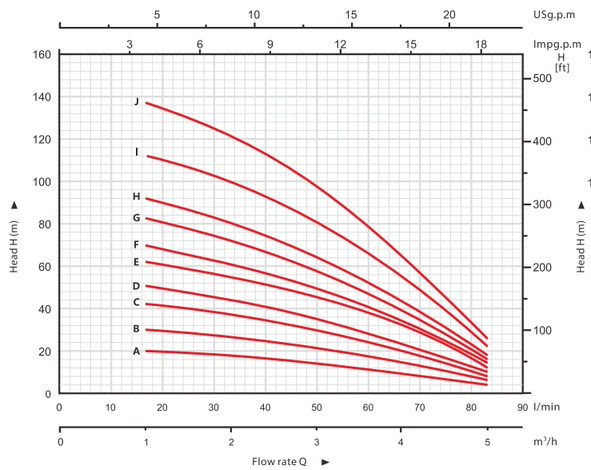
Component	Construction
Pump body:	Cast iron + Stainless steel
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM

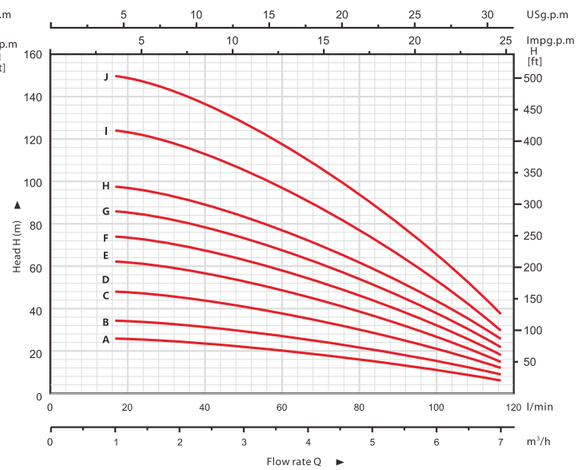


HMC-SV

Vertical multistage pumps



HMC2-SV



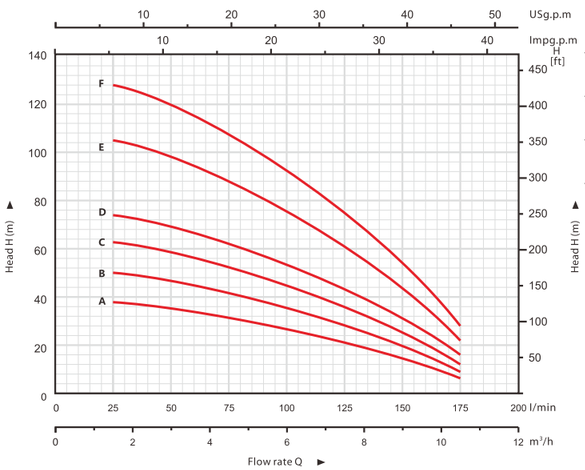
HMC4-SV

NO.	MODEL	POWER		Q(m³/h)	0	1	2	3	4	5
		kW	HP	Q(l/min)	0	16.7	33.3	50	66.7	83.3
A	**HMC2-2SV**	0.37	0.5	H	21	20	18	14	9	4
B	**HMC2-3SV**	0.55	0.75		31	30	27	21	14	6
C	**HMC2-4SV**	0.75	1		42	41	36	28	19	8
D	**HMC2-5SV**	1	1.3		52	51	45	36	25	10
E	**HMC2-6SV**	1	1.3		62	61	54	43	30	12
F	**HMC2-7SV**	1.1	1.5		74	72	63	51	35	14
G	**HMC2-8SV**	1.5	2		85	82	72	58	40	16
H	**HMC2-9SV**	1.5	2		95	92	82	66	45	18
I	**HMC2-11SV**	1.8	2.5		118	114	102	82	55	22
J	**HMC2-13SV**	2.2	3		138	133	120	96	65	26

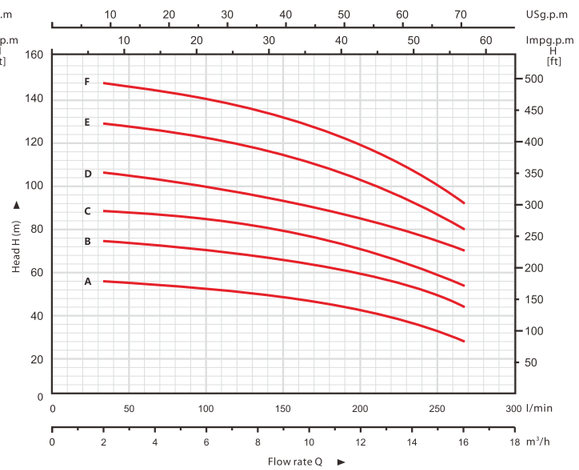
NO.	MODEL	POWER		Q(m³/h)	0	1	2	3	4	5	6	7
		kW	HP	Q(l/min)	0	16.7	33.3	50	66.7	83.3	100	116.7
A	**HMC4-2SV**	0.55	0.75	H	25	24	22.5	20	17	14	10	6
B	**HMC4-3SV**	0.75	1		38	36	34	31	27	22	16	9
C	**HMC4-4SV**	1	1.3		50	48	46	42	36	29	21	12
D	**HMC4-5SV**	1.5	2		63	61	58	54	48	39	28	15
E	**HMC4-6SV**	1.5	2		76	74	70	65	58	48	35	18
F	**HMC4-7SV**	2.2	3		88	86	82	76	68	56	41	22
G	**HMC4-8SV**	2.2	3		100	98	94	88	78	64	47	25
H	**HMC4-10SV**	2.2	3		126	124	120	111	98	81	59	31
I	**HMC4-12SV**	3	4		151	149	145	136	120	99	72	38

HMC-SV

Vertical multistage pumps



HMC6H-SV



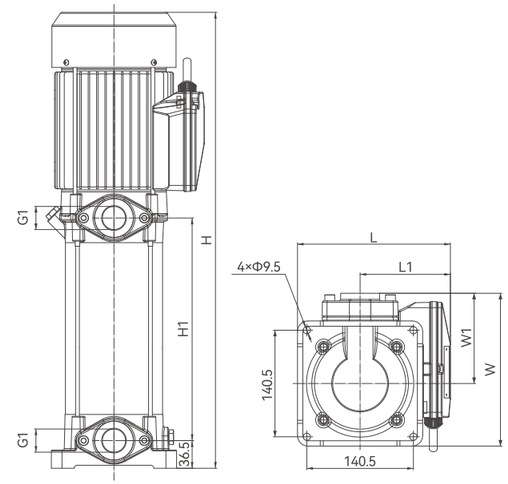
HMC10H-SV

NO.	MODEL	POWER		Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5
		kW	HP	Q(l/min)	0	25	50	75	100	125	150	175
A	**HMC6H-3SV**	1.1	1.5	H	40	38	36	33	28	22	15	6
B	**HMC6H-4SV**	1.5	2		53	50	47	43	38	30	20	9
C	**HMC6H-5SV**	1.8	2.5		66	63	60	55	48	38	26	12
D	**HMC6H-6SV**	2.2	3		79	76	72	67	59	48	33	16
E	**HMC6H-8SV**	3	4		105	102	98	91	80	64	45	22
F	**HMC6H-10SV**	4	5.5		132	128	121	112	100	83	59	28

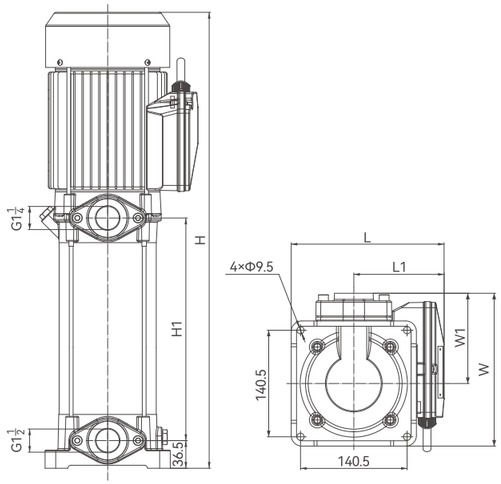
NO.	MODEL	POWER		Q(m³/h)	0	2	4	6	8	10	12	14	16
		kW	HP	Q(l/min)	0	33	67	100	133	167	200	233	267
A	**HMC10H-3SV**	3	4	H	56	55	54	52	49	46	42	37	29
B	**HMC10H-4SV**	4	5.5		75	74	73	70.5	67.5	64	59	52.5	43
C	**HMC10H-5SV**	5.5	7.5		93	90.5	88	85	81.5	77	71	63.5	55
D	**HMC10H-6SV**	5.5	7.5		113	111.5	109	105.5	101	96	88	79	68
E	**HMC10H-7SV**	7.5	10		132	130	127	123	118	112	104	94	81
F	**HMC10H-8SV**	7.5	10		150	147	143	139	133.5	127	119	108.5	94

HMC-SV

Vertical multistage pumps



HMC2-SV,HMC4-SV



HMC6H-SV

MODEL	INLET/OUTLET	N.W	L x W x H
	(Inch)	(Kg)	(mm)
HMC2-2SV	1"×1"	14.2	440×245×255
HMC2-3SV	1"×1"	14.8	465×245×255
HMC2-4SV	1"×1"	16.9	490×245×255
HMC2-5SV	1"×1"	17.3	510×245×255
HMC2-6SV	1"×1"	18.4	535×245×255
HMC2-7SV	1"×1"	20.8	575×245×265
HMC2-8SV	1"×1"	22.2	600×245×265
HMC2-9SV	1"×1"	23.5	625×245×265
HMC2-11SV	1"×1"	25.0	705×245×265
HMC2-13SV	1"×1"	26.8	750×245×265
HMC4-2SV	1"×1"	14.8	440×245×255
HMC4-3SV	1"×1"	16.5	465×245×255
HMC4-4SV	1"×1"	17.6	490×245×255
HMC4-5SV	1"×1"	20.7	530×245×265
HMC4-6SV	1"×1"	21.9	555×245×265
HMC4-7SV	1"×1"	23.5	610×245×265
HMC4-8SV	1"×1"	24.0	635×245×265
HMC4-10SV	1"×1"	26.1	680×245×265
HMC4-12SV	1"×1"	38.2	805×290×300
HMC6H-3SV	1½"×1¼"	19.1	490×245×265
HMC6H-4SV	1½"×1¼"	21.1	515×245×265
HMC6H-5SV	1½"×1¼"	23.2	575×245×265
HMC6H-6SV	1½"×1¼"	24.6	600×245×265
HMC6H-8SV	1½"×1¼"	36.0	730×290×300
HMC6H-10SV	1½"×1¼"	39.9	780×290×300

MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm					
	H	H1	L	L1	W	W1
HMC2-2SV	388	130.5	182	99.5	202	119
HMC2-3SV	412	154.5	182	99.5	202	119
HMC2-4SV	436	178.5	182	99.5	202	119
HMC2-5SV	460	202.5	182	99.5	202	119
HMC2-6SV	484	226.5	182	99.5	202	119
HMC2-7SV	527	250	209	119	202	119
HMC2-8SV	551	274	209	119	202	119
HMC2-9SV	575	298	209	119	202	119
HMC2-11SV	654	346	209	119	202	119
HMC2-13SV	701	393.5	209	119	202	119
HMC4-2SV	388	130.5	182	99.5	202	119
HMC4-3SV	412	154.5	182	99.5	202	119
HMC4-4SV	436	178.5	182	99.5	202	119
HMC4-5SV	479	202.5	209	119	202	119
HMC4-6SV	503	226.5	209	119	202	119
HMC4-7SV	558	250	209	119	202	119
HMC4-8SV	582	274	209	119	202	119
HMC4-10SV	630	322	209	119	202	119
HMC4-12SV	733	376	236	134	216	119
HMC6H-3SV	439	162	209	119	201	118
HMC6H-4SV	465	189	209	119	201	118
HMC6H-5SV	523	215	209	119	201	118
HMC6H-6SV	549	242	209	119	201	118
HMC6H-8SV	658	300	236	134	215	118
HMC6H-10SV	711	353	236	134	215	118

HMC-IA

Multistage pumps

HMC-IA

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressure sets, and in rain water recovery and irrigation system, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

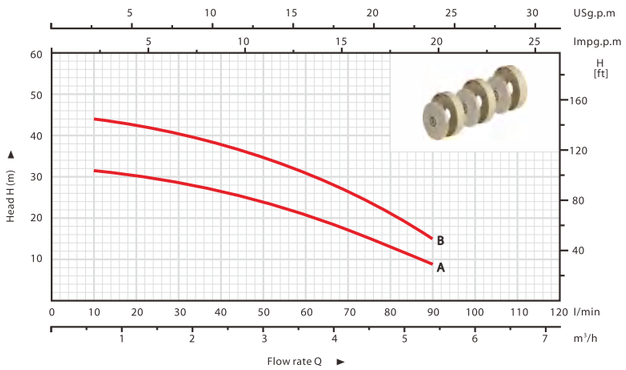
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

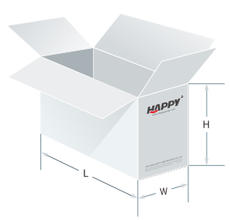
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component		Construction
Pump body:		AISI304 SS
Pump support:		Aluminum
Motor housing:		Aluminum
Impeller:		Techno-polymer
Motor shaft:		AISI304 SS
Mechanical seal:		Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



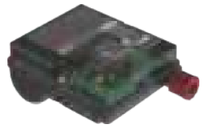
NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HMC-3IA**	1"×1"	8.5	405×245×325
B	**HMC-4IA**	1"×1"	12	440×265×360



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80	5.4 / 90
A	**HMC-3IA**	0.37	0.5	H	32	31.5	30.5	29	27	24.5	21.5	18	14	9
B	**HMC-4IA**	0.75	1		45	44	42	40	37.5	34.5	31	26.5	21	15

HFC-01

Swimming pool pumps



Timer if request

HFC-03
(if request)

HFC-01

Application

Filter centrifugal pumps are designed for cleaning swimming pool, They are suitable to transfer high volumes of water(not exceeding 45℃) against low head.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

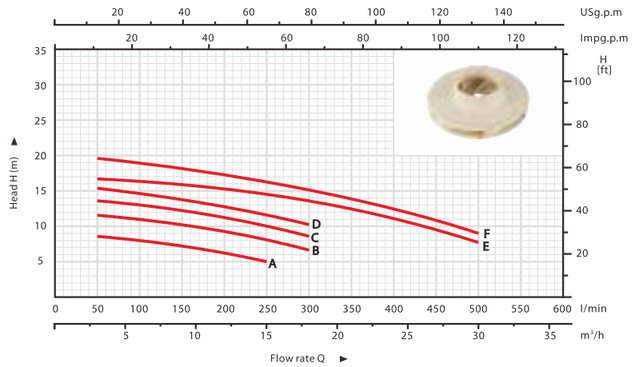
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **45 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component		Construction
Pump body:		Techno-polymer
Pump support:		Aluminum
Motor housing:		Aluminum
Impeller:		Techno-polymer
Motor shaft:		AISI304 SS
Mechanical seal:		Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (mm)	N.W (Kg)	L x W x H (mm)
A	**HFC-601**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	8.4	590×230×295
B	**HFC-801**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	9.1	590×230×295
C	**HFC-901**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	10.1	590×230×295
D	**HFC-1101**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	10.7	590×230×295
E	**HFC-1501**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	15.2	620x230x295
F	**HFC-2201**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	16.1	620×230×295

NO.	MODEL	POWER(IN) kW	Q(m³/h) / Q(l/min)	0 / 0	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350	24 / 400	27 / 450	30 / 500
A	**HFC-601**	0.6	H	9	8.6	8	7.2	6.2	5					
B	**HFC-801**	0.8		12	11.5	10.9	10.2	9.3	8.1	6.6				
C	**HFC-901**	0.9		14	13.6	13	12.2	11.2	10	8.6				
D	**HFC-1101**	1.1		16	15.3	14.6	13.8	12.8	11.6	10.2				
E	**HFC-1501**	1.5		17	16.7	16.4	15.9	15.3	14.6	13.6	12.3	11	9.5	7.6
F	**HFC-2201**	2.2		20	19.5	18.8	18	17.2	16.2	15	13.8	12.5	11	9

HFC-02

Swimming pool pumps

Timer if request

HFC-05
(if request)

HFC-03
(if request)

HFC-02

Application

Filter centrifugal pumps are designed for cleaning swimming pool, They are suitable to transfer high volumes of water(not exceeding 45°C) against low head.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

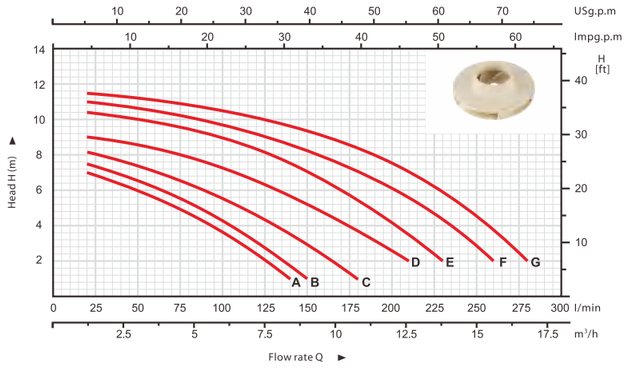
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **45 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Techno-polymer
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (mm)	N.W (Kg)	L x W x H (mm)
A	**HFC-252**	48.5(50)×48.5(50)	4.7	450×200×215
B	**HFC-302**	48.5(50)×48.5(50)	4.8	450×200×215
C	**HFC-352**	48.5(50)×48.5(50)	4.9	450×200×215
D	**HFC-452**	48.5(50)×48.5(50)	5.1	450×200×215
E	**HFC-552**	48.5(50)×48.5(50)	5.2	450×200×215
F	**HFC-752**	48.5(50)×48.5(50)	5.9	450×200×215
G	**HFC-852**	48.5(50)×48.5(50)	6.2	450×200×215

NO.	MODEL	POWER(IN) kW	Q(I/min)	Q(m³/h) 0	1.2	1.8	3.6	4.8	7.2	8.4	9	10.8	12.6	13.8	15.6	16.8
				0	20	30	60	80	120	140	150	180	210	230	260	280
A	**HFC-252**	0.28		7.5	7	6.7	5.7	4.8	2.4	1						
B	**HFC-302**	0.31		8	7.5	7.3	6.4	5.5	3.2	1.8	1					
C	**HFC-352**	0.35		8.5	8	7.8	7	6.4	4.8	3.7	3	1				
D	**HFC-452**	0.45	H	9.5	9	8.9	8.5	8.1	6.8	6	5.5	3.8	2			
E	**HFC-552**	0.55		11	10.5	10.4	10	9.6	8.5	7.7	7.2	5.5	3.5	2		
F	**HFC-752**	0.75		11.5	11	10.9	10.5	10.1	9.2	8.6	8.3	7.2	5.7	4.4	2	
G	**HFC-852**	0.85		12	11.5	11.4	11	10.7	10	9.6	9.4	8.5	7.2	6	3.9	2

HFC-D

Swimming pool pumps

Application

Applicable for water circulation and filtration water system of swimming pools, waterscape, hot springs, saunas, baths, aquaculture, etc.

HFC-03D
(if request)

HFC-01D

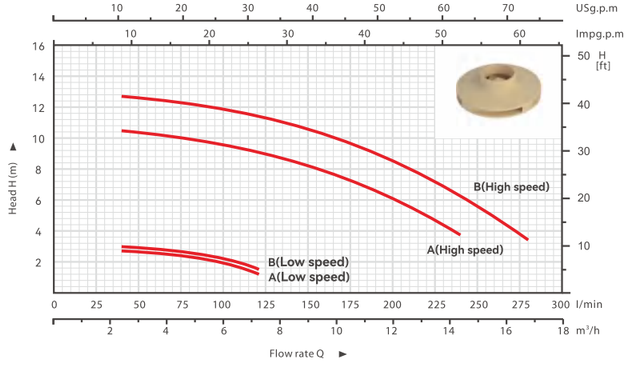
Motor

- Two or four-pole induction motor (n=3450 or 1725 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 110 or 220V/60Hz

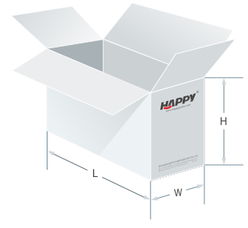
Operating conditions

- Liquid temperature up to **45 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Techno-polymer
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite



NO.	MODEL	INLET/OUTLET (mm)	N.W (Kg)	L x W x H (mm)
A	**HFC-801D**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	9.3	590×230×295
B	**HFC-901D**	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	10.5	590×230×295



NO.	MODEL	POWER(IN) kW	Q(I/min)	Q(m³/h) 0	2.4	4.8	7.2	9.6	12	14.4	16.8
				0	40	80	120	160	200	240	280
A	**HFC-801D**	(High speed)0.8	H	10.8	10.4	9.8	9	7.7	6	3.8	
		(Low speed)0.25		2.8	2.7	2.3	1.2				
B	**HFC-901D**	(High speed)0.9		13	12.6	12	11.2	10	8.2	6	3.4
		(Low speed)0.25		3.1	3	2.6	1.6				

HSPA

Hydromassage bathtub pumps

Pneumatic switch

HSPA-02
(if request)

HSPA-01

Application

Suitable for water circulation such as hydromassage.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

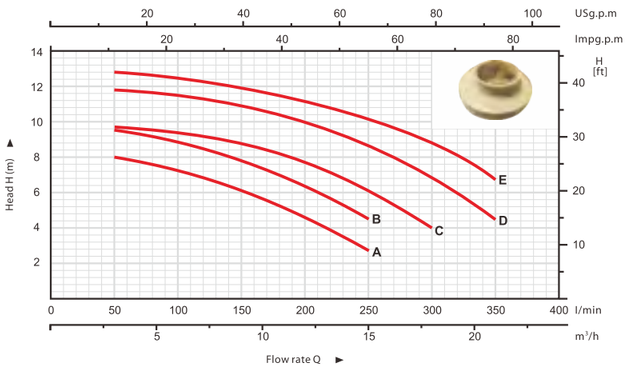
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- Liquid temperature up to **50 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **8 m**

Component	Construction
Pump body:	Techno-polymer
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Techno-polymer
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (mm)	N.W (Kg)	L x W x H (mm)
A	**HSPA501**	32(33.5)×32(33.5) 48.5(50)×48.5(50) (if request)	4.5	360×185×210
B	**HSPA601**	32(33.5)×32(33.5) 48.5(50)×48.5(50) (if request)	5	360×185×210
C	**HSPA801**	32(33.5)×32(33.5) 48.5(50)×48.5(50) (if request)	5.3	360×185×210
D	**HSPA1101**	32(33.5)×32(33.5) 48.5(50)×48.5(50) (if request)	7	365×185×220
E	**HSPA1301**	32(33.5)×32(33.5) 48.5(50)×48.5(50) (if request)	7.5	365×185×220

NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0 0	3 50	6 100	9 150	12 200	15 250	18 300	21 350
A	**HSPA501**	0.5		8.5	8	7.2	6.2	4.5	2.7		
B	**HSPA601**	0.6		10	9.5	9	7.5	6.5	4.5		
C	**HSPA801**	0.8	H	10	9.6	9.2	8.8	8	6	4	
D	**HSPA1101**	1.1		12	11.8	11.5	11	10	8.5	7	4.5
E	**HSPA1301**	1.3		13	12.8	12.5	12	11	10	9	6.7

HKJm

Self-priming Jet pumps

HKJm-B/C

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

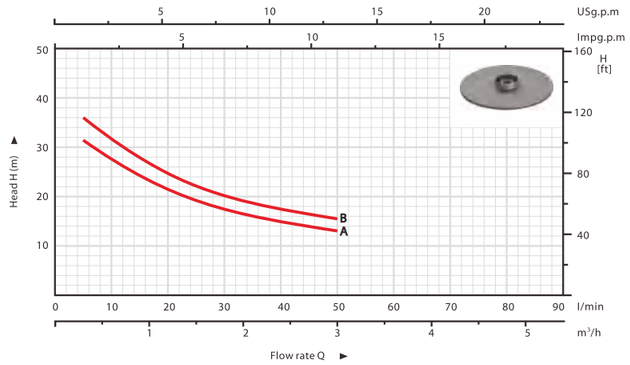
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

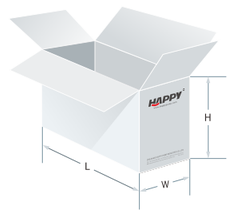
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HKJm-1C**	1"×1"	9.1	370×170×195
B	**HKJm-1B**	1"×1"	9.7	370×170×195



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) Q(l/min)	0 0	0.3 5	0.6 10	0.9 15	1.2 20	1.5 25	1.8 30	2.1 35	2.4 40	2.7 45	3 50
A	**HKJm-1C**	0.37	0.5	H	36	31.5	27.5	24	21	19	17.3	16	15	14	13
B	**HKJm-1B**	0.55	0.75		41	36	31.5	28	25	22	20	18.5	17.5	16.5	15.5

HKJm

Self-priming Jet pumps

HKJm-M/H

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

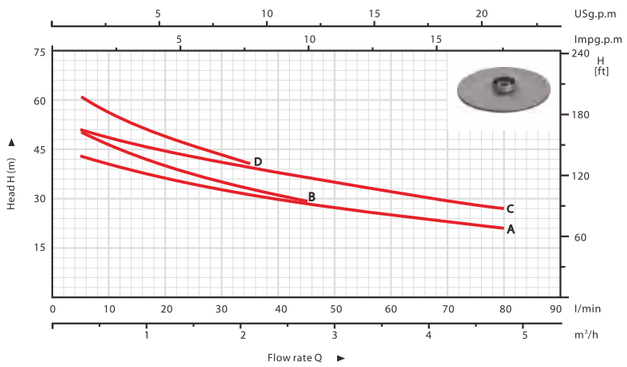
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

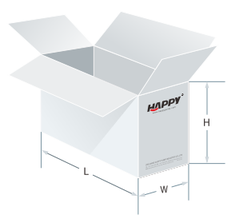
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	AISI304 SS
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HKJm-10M**	1"×1"	14.4	415×195×235
B	**HKJm-10H**	1"×1"	14.4	415×195×235
C	**HKJm-15M**	1"×1"	15.5	415×195×235
D	**HKJm-15H**	1"×1"	15.5	415×195×235



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.3 / 5	0.6 / 10	0.9 / 15	1.2 / 20	1.5 / 25	1.8 / 30	2.1 / 35	2.4 / 40	2.7 / 45	3 / 50	3.6 / 60	4.2 / 70	4.8 / 80
A	**HKJm-10M**	0.75	1	H	46	43	40.5	38.3	36.2	34.8	33.3	31.8	30.5	29	27.5	25	23	21
B	**HKJm-10H**	0.75	1		56	50.5	46	43	40	37.5	35	33	31	29	27			
C	**HKJm-15M**	1.1	1.5		54	51	48.5	46.5	44.5	42.5	41	39.5	38	36.5	35	32	29	27
D	**HKJm-15H**	1.1	1.5		66	61	56.5	52.5	49	46	43.5	41	38	35.5	34			

JET-A/B/C

Self-priming Jet pumps

JET-A

JET-B

JET-C

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

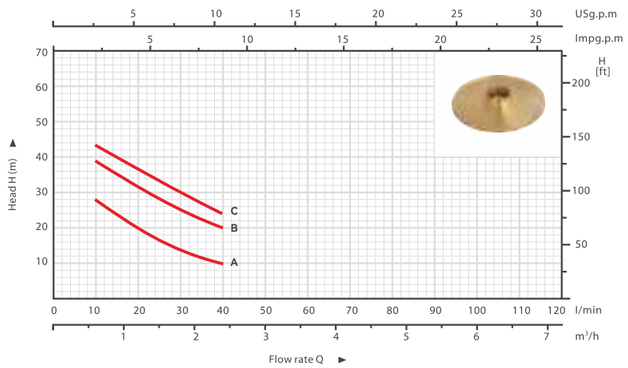
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

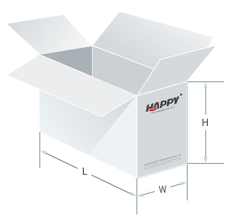
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**JET-60A/B/C**	1"×1"	12.5	445×205×225
B	**JET-80A/B/C**	1"×1"	13.5	445×205×225
C	**JET-100A/B/C**	1"×1"	14.5	445×205×225



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40
A	**JET-60A/B/C**	0.37	0.5	H	35	28	20	14	10
B	**JET-80A/B/C**	0.55	0.75		48	39	31	25	20
C	**JET-100A/B/C**	0.75	1		53	43.5	35.5	30	24

JET-A

Self-priming Jet pumps

JET-A

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

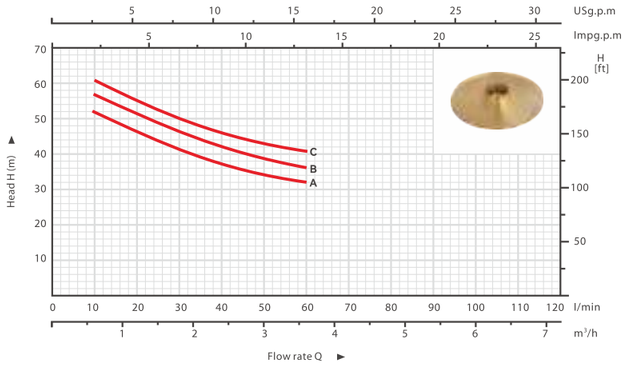
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

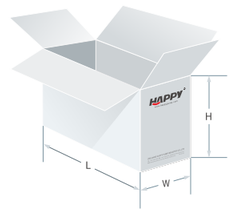
Component / Construction

Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**JET-150A**	1"×1"	23.5	560×250×285
B	**JET-180A**	$1\frac{1}{4}$" × 1"	24.5	560×250×285
C	**JET-200A**	$1\frac{1}{2}$" × $1\frac{1}{4}$"	25.5	560×250×285



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3.0 / 50	3.6 / 60
A	**JET-150A**	0.9	1.2	H	56	52	46	41	37	34	32
B	**JET-180A**	1.1	1.5		61	57	51	46	42	38.5	36
C	**JET-200A**	1.5	2		66	61	55	50	46	43	40.5

JSP

Self-priming Jet pumps

JSP

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

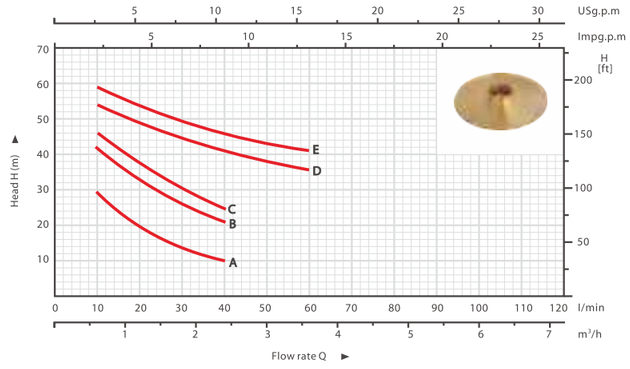
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

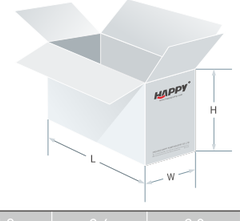
Component / Construction

Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**JSP-60**	1"×1"	13	455×215×235
B	**JSP-80**	1"×1"	14	455×215×235
C	**JSP-100**	1"×1"	15	455×215×235
D	**JSP-150**	$1\frac{1}{4}$" × 1"	23.2	570×245×275
E	**JSP-200**	$1\frac{1}{4}$" × 1"	24.2	570×245×275



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3.0 / 50	3.6 / 60
A	**JSP-60**	0.37	0.5	H	35	29	20	13	10		
B	**JSP-80**	0.55	0.75		48	42	33	25.5	21		
C	**JSP-100**	0.75	1		53	46	38	30	24.5		
D	**JSP-150**	1.1	1.5		61	54	49	44.5	41	38	35.5
E	**JSP-200**	1.5	2		65	59	53.5	49.5	46	43	41

HJ

Self-priming Jet pumps

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

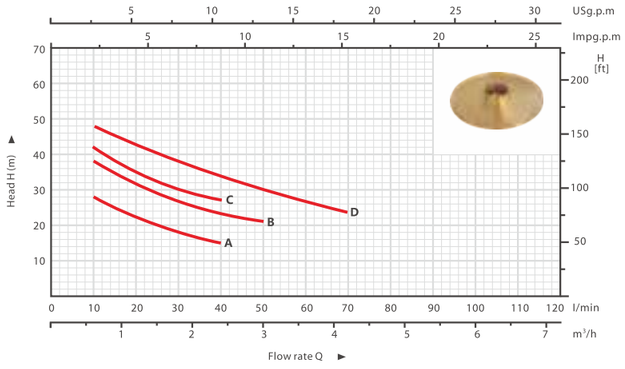
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

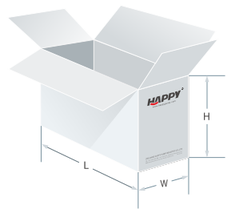
Component / Construction

Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HJ-6M**	1"×1"	8.5	380×180×200
B	**HJ-10M**	1"×1"	14	435×205×235
C	**HJ-10H**	1"×1"	14	435×205×235
D	**HJ-15M**	1"×1"	15.5	445×205×235



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40	3 / 50	3.6 / 60	4.2 / 70
A	**HJ-6M**	0.37	0.5	H	35	28	22	18	15			
B	**HJ-10M**	0.75	1		43	38	31.5	27	23.5	21		
C	**HJ-10H**	0.75	1		51	42	35	30	27			
D	**HJ-15M**	1.1	1.5		52	48	42.5	38	34	30	27	23.5

JET-S

Self-priming Jet pumps

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

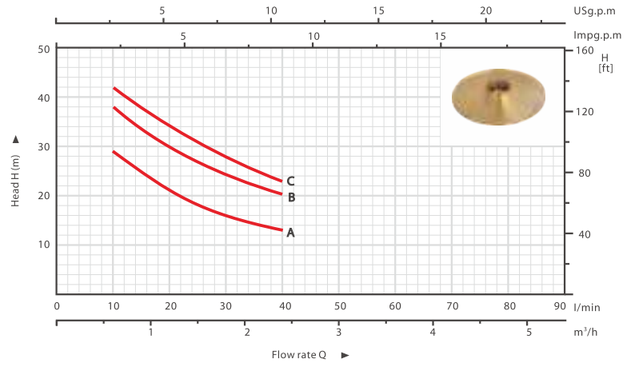
Operating conditions

- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

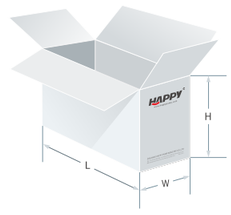
Component / Construction

Pump body:	Cast iron
Pump support:	Cast iron
Motor housing:	Aluminum
Impeller:	Brass
Diffuser:	Techno-polymer
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**JET-60S**	1"×1"	9.5	350×190×200
B	**JET-80S**	1"×1"	11.5	395×205×225
C	**JET-100S**	1"×1"	12.5	395×205×225

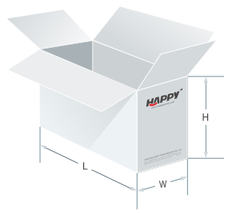


NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.6 / 10	1.2 / 20	1.8 / 30	2.4 / 40
A	**JET-60S**	0.37	0.5	H	35	29	21	16	13
B	**JET-80S**	0.55	0.75		42	38	30	24	20
C	**JET-100S**	0.75	1		45	42	34	28	23

DP-A

Deep well self-priming Jet pumps

DP-A



Application

Deep well self-priming water pumps installed above ground with the jet body submerged guarantees function even when the static level of the well water falls as far as 35 meters below the level of the installed pump. So they are extremely reliable, economical and simple to use and find many usages in domestic applications and the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc.
In all cases where the suction depth exceeds the normal capacity for surface pumps.
Suitable for pumping clean water and liquid which are not chemically aggressive to the pump components.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 ℃**
- ※ Ambient temperature up to **40 ℃**

Component / Construction

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**DP-505A**	(1 1/4"×1")×1"	25	490×245×280
B	**DP-750A**	(1 1/4"×1")×1"	26	490×245×280

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) HS(m)	0	120	240	360	480	600	840	960	1080	1200	1320	1440	1560	1680	1800
					TOTAL MANOMETRIC HEAD IN MERTES(m)														
A1	**DP-505A**	1.1	1.5	15	55	52	49	46	42	38	34	30	28	23	20	18			
B1	**DP-750A**	1.5	2		70	68	62	58	53	50	47	44	41	28	35	32	30	28	26
A2	**DP-505A**	1.1	1.5	20	50	47	43	40	35	32	28	25	22						
B2	**DP-750A**	1.5	2		65	60	56	52	48	45	42	38	35						
A3	**DP-505A**	1.1	1.5	25	40	35	32	28	25	21	19								
B3	**DP-750A**	1.5	2		60	55	50	45	43	40	35	32							
A4	**DP-505A**	1.1	1.5	30	35	32	28	25	22										
B4	**DP-750A**	1.5	2		55	50	46	42	40	36									
A5	**DP-505A**	1.1	1.5	35	30	27	24	20											
B5	**DP-750A**	1.5	2		50	46	41	37											

Deep well self-priming Jet pumps

JETDP

Deep well self-priming Jet pumps

JETDP

Application

Deep well self-priming water pumps installed above ground with the jet body submerged guarantees function even when the static level of the well water falls as far as 35 meters below the level of the installed pump. So they are extremely reliable, economical and simple to use and find many usages in domestic applications and the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc.
In all cases where the suction depth exceeds the normal capacity for surface pumps.
Suitable for pumping clean water and liquid which are not chemically aggressive to the pump components.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

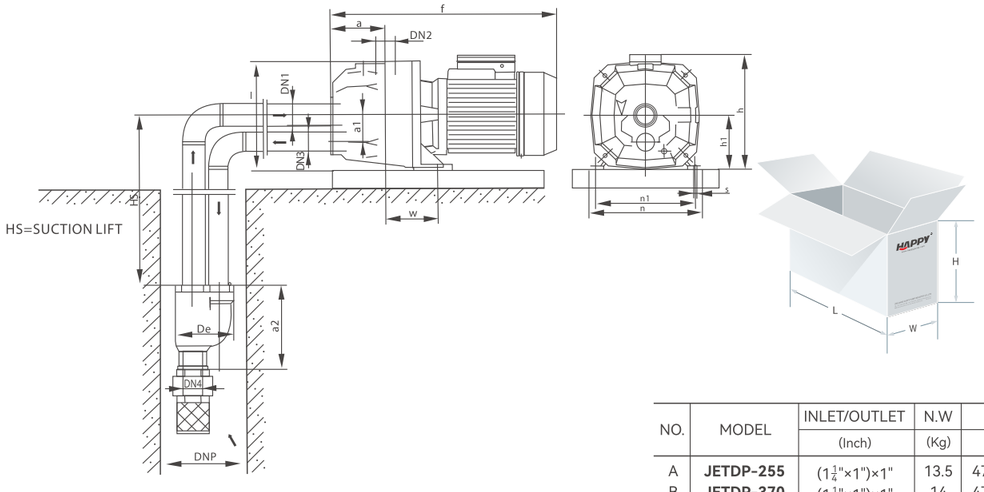
- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**

Component	Construction
※ **Pump body:**	Cast iron
※ **Pump support:**	Cast iron
※ **Motor housing:**	Aluminum
※ **Impeller:**	Brass
※ **Diffuser:**	Techno-polymer
※ **Motor shaft:**	Carbon steel, AISI304 SS if request
※ **Mechanical seal:**	Ceramic/Graphite

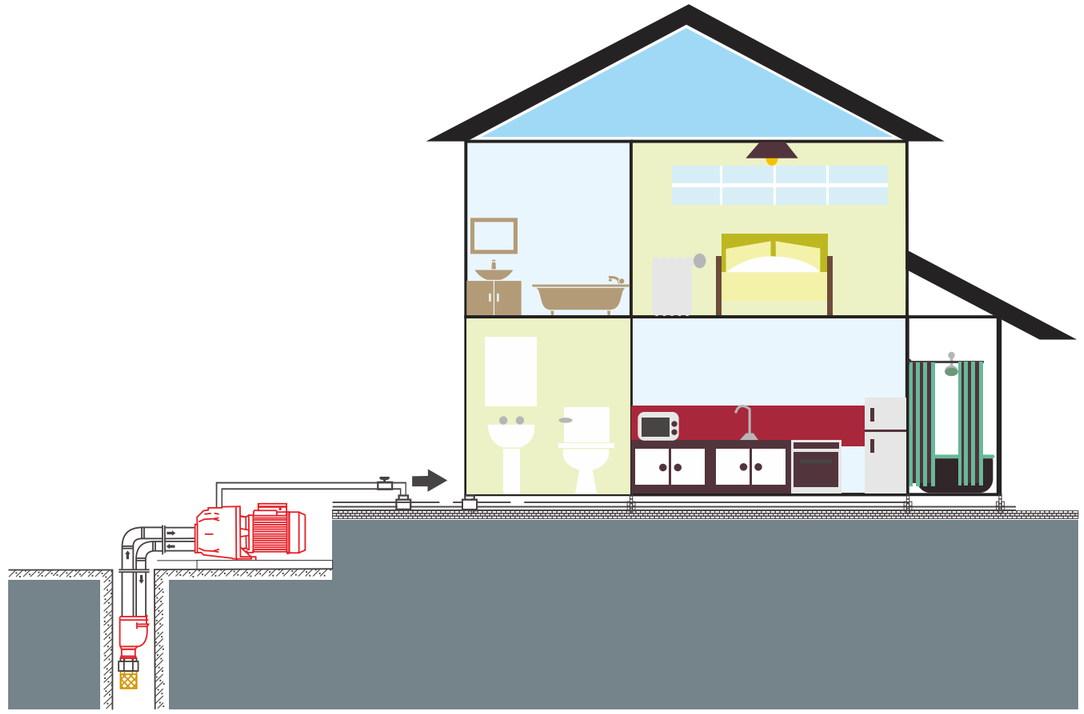
WATER PUMP WITH INTEGRAL EJECTOR



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**JETDP-255**	(1 1/4"×1")×1"	13.5	470×205×230
B	**JETDP-370**	(1 1/4"×1")×1"	14	470×205×230
C	**JETDP-550**	(1 1/4"×1")×1"	15	470×205×230

JETDP

Deep well self-priming Jet pumps



NO.	MODEL	POWER kW	POWER HP	Q(l/h) HS(m)	0	120	240	360	480	600	840	960	1080	1200	1320	1440	1560	1680	1800
					TOTAL MANOMETRIC HEAD IN MERTES(m)														
A1	**JETDP-255**	0.37	0.5	15	26	23	21	18	15	13	11	10	8	7					
B1	**JETDP-370**	0.55	0.75		39	35	32	29	27	23	21	19	17	15	14	13			
C1	**JETDP-550**	0.75	1		50	46	43	40	37	34	32	28	26	24	22	20	19	18	17
B2	**JETDP-370**	0.55	0.75	20	30	27	23	20	16	13	10								
C2	**JETDP-550**	0.75	1		39	35	32	30	27	25	23	20	17						
B3	**JETDP-370**	0.55	0.75	25	23	20	17	15											
C3	**JETDP-550**	0.75	1		32	29	25	22	20										
B4	**JETDP-370**	0.55	0.75	30	16	13	11												
C4	**JETDP-550**	0.75	1		25	23	20	17											
C5	**JETDP-550**	0.75	1	35	18	16	15												

NO.	MODEL	DNP	DN1	DN2	DN3	DN4	DE	DIMENSION(mm) a	a1	a2	f	f1	h	h1	l	n	n1	w	s
A	**JETDP-255**																		
B	**JETDP-370**	4"	1 1/4"	1"	1"	1"	97	91	45	142	375	515	193	94	177	184	142	100	10
C	**JETDP-550**																		

SJET-C

Garden Jet pumps

SJET-C

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

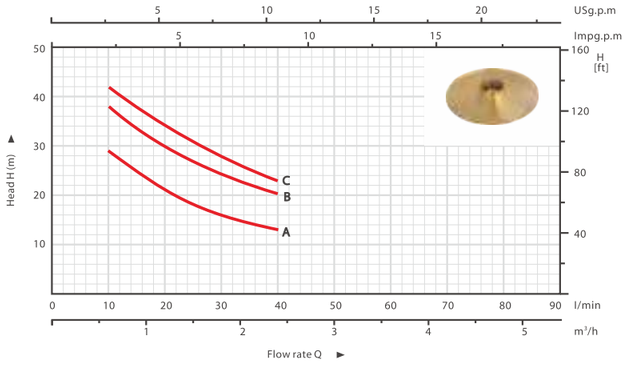
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP44**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

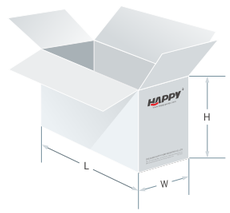
- Liquid temperature up to **60 ℃**
- Ambient temperature up to **40 ℃**
- Total suction lift up to **9 m**

Component	Construction
Pump body:	AISI304 SS
Pump support:	Aluminum
Motor housing:	Aluminum
Impeller:	Brass, AISI304 SS if request
Diffuser:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**SJET-60C**	1"×1"	7	435×220×245
B	**SJET-80C**	1"×1"	7.5	435×220×245
C	**SJET-100C**	1"×1"	8.5	435×220×245



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.6	1.2	1.8	2.4
				Q(l/min)	0	10	20	30	40
A	**SJET-60C**	0.37	0.5	H	35	29	21	16	13
B	**SJET-80C**	0.55	0.75		42	38	30	24	20
C	**SJET-100C**	0.75	1		45	42	34	28	23

QDP-C

Submersible pumps

QDP-C

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

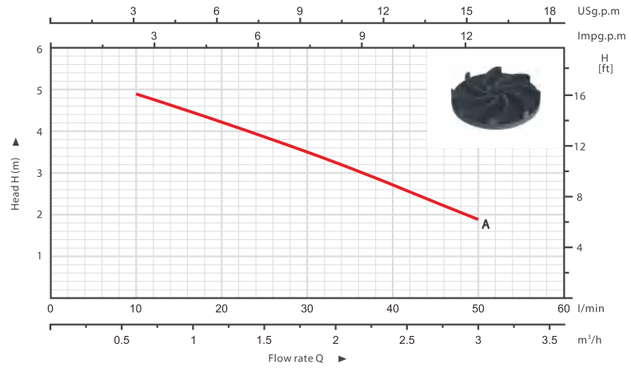
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

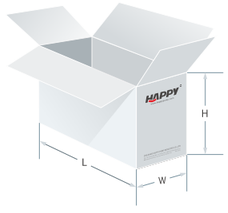
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Techno-polymer
Suction filter:	Techno-polymer
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite
Cable:	5 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDP-250C**	1"	3.8	200×195×305



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0
				Q(l/min)	0	10	20	30	40	50
A	**QDP-250C**	0.25	0.34	H	5.5	4.9	4.2	3.5	2.7	1.9

QDP-A/B

Submersible pumps

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

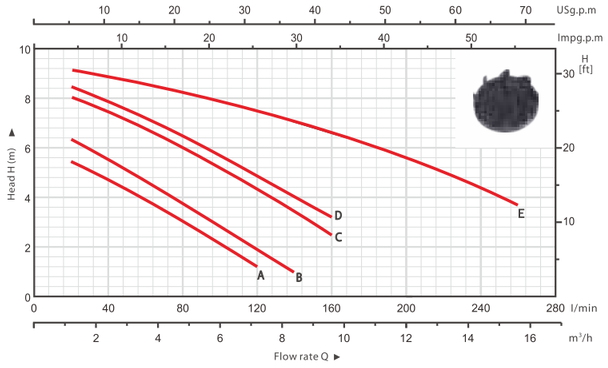
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

QDP-A

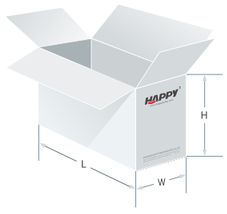
QDP-B

Component	Construction
Pump body:	Techno-polymer
Suction filter:	Techno-polymer
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDP-250A/B**	$1\frac{1}{2}$"	4.1	220×182×345
B	**QDP-400A/B**	$1\frac{1}{2}$"	4.3	220×182×345
C	**QDP-550A/B**	$1\frac{1}{2}$"	4.5	220×182×345
D	**QDP-750A/B**	$1\frac{1}{2}$"	5	220×182×345
E	**QDP-1000A**	$1\frac{1}{2}$"	5.9	220x182x345



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.2 / 20	2.4 / 40	3.6 / 60	4.8 / 80	6 / 100	7.2 / 120	8.4 / 140	9.6 / 160	10.8 / 180	12 / 200	13.2 / 220	14.4 / 240	15.6 / 260
A	**QDP-250A/B**	0.25	0.34	H	6	5.4	4.7	3.9	3	2.2	1.2							
B	**QDP-400A/B**	0.4	0.55		7	6.2	5.5	4.6	3.7	2.9	1.9	1						
C	**QDP-550A/B**	0.55	0.75		8.5	8	7.4	6.7	6	5.3	4.5	3.5	2.5					
D	**QDP-750A/B**	0.75	1		9	8.5	7.8	7.2	6.5	5.8	5	4	3.2					
E	**QDP-1000A**	1	1.3		9.5	9.1	8.8	8.5	8.2	7.9	7.5	7.1	6.6	6.1	5.5	4.9	4.3	3.7

QDP-AW/BW

Submersible sewage pumps

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of Φ8mm

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

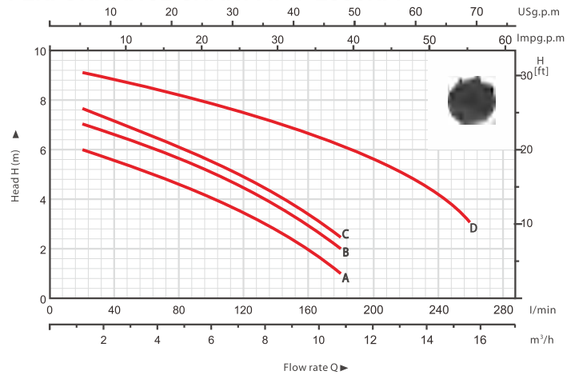
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

QDP-AW

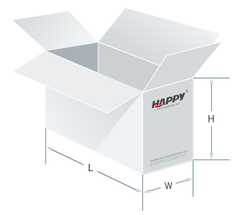
QDP-BW

Component	Construction
Pump body:	Techno-polymer
Suction filter:	Techno-polymer
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDP-400AW/BW**	$1\frac{1}{2}$"	4.4	230×195×383
B	**QDP-550AW/BW**	$1\frac{1}{2}$"	4.7	230×195×383
C	**QDP-750AW/BW**	$1\frac{1}{2}$"	5.1	230×195×383
D	**QDP-1000AW**	$1\frac{1}{2}$"	6	230×195×383



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.2 / 20	2.4 / 40	3.6 / 60	4.8 / 80	6 / 100	7.2 / 120	8.4 / 140	9.6 / 160	10.8 / 180	12 / 200	13.2 / 220	14.4 / 240	15.6 / 260
A	**QDP-400AW/BW**	0.4	0.55	H	7	6	5.5	5	4.5	4	3.5	3	2	1				
B	**QDP-550AW/BW**	0.55	0.75		8	7	6.5	6	5.5	5	4.5	3.8	3	2				
C	**QDP-750AW/BW**	0.75	1		8.5	7.7	7	6.5	6	5.5	5	4.3	3.5	2.5				
D	**QDP-1000AW**	1	1.3		9.5	9.1	8.8	8.5	8.2	7.9	7.5	7.1	6.6	6.1	5.5	4.9	4.3	3.7

QDP90-S

Submersible pumps

QDP90-S

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

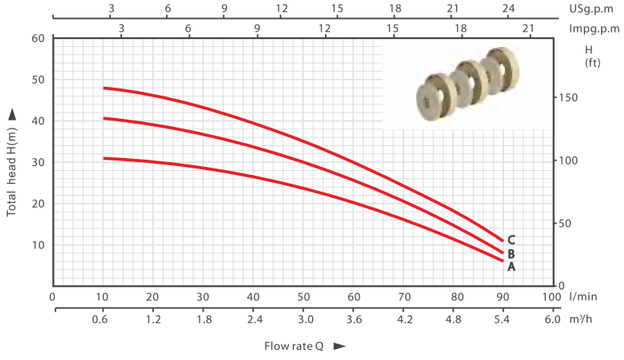
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

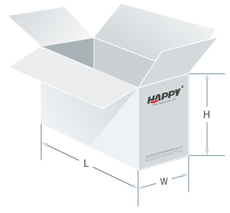
- **8 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Techno-polymer & AISI304 SS
Suction filter:	AISI304 SS
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/ Graphite
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDP90-3S**	1"	9.1	295×200×545
B	**QDP90-4S**	1"	9.6	295×200×570
C	**QDP90-5S**	1"	10.1	295×200×595



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0 0	0.6 10	1.2 20	1.8 30	2.4 40	3 50	3.6 60	4.2 70	4.8 80	5.4 90
A	**QDP90-3S**	0.8	H	32	31	29.5	28	26	23	20	16	11	6
B	**QDP90-4S**	1		42	40.5	38.5	36.5	34	30.5	26	20	14	8
C	**QDP90-5S**	1.2		50	48	46	43.5	40	35	30	24.5	18	11

QDP145-S

Submersible pumps

QDP145-S

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

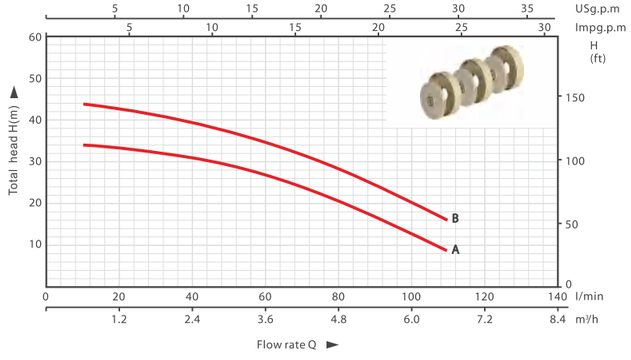
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

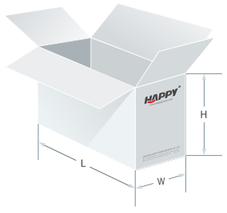
- **8 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Techno-polymer & AISI304 SS
Suction filter:	AISI304 SS
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/ Graphite
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDP145-3S**	1"	9.8	295×200×545
B	**QDP145-4S**	1"	10.2	295×200×570



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0 0	0.6 10	1.2 20	1.8 30	2.4 40	3 50	3.6 60	4.2 70	4.8 80	5.4 90	6 100	6.6 110
A	**QDP145-3S**	1	H	35	34	33	32	31	29.5	27	24	21	17	13	9
B	**QDP145-4S**	1.2		45	44	43	42	40	37.5	35	32	28	24	20	16

QDP90-SE/SE-1

Automatic submersible pumps

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

QDP90-SE

QDP90-SE-1

QDP-SE-1
If request

Motor

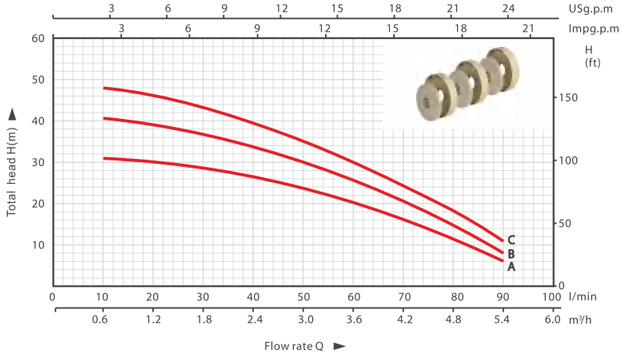
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

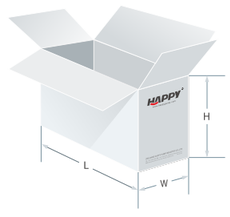
- **8 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Techno-polymer & AISI304 SS
Suction filter:	AISI304 SS
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/ Graphite
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDP90-3SE/3SE-1**	1"	9.5	295×200×570
B	**QDP90-4SE/4SE-1**	1"	10	295×200×590
C	**QDP90-5SE/5SE-1**	1"	10.4	295×200×610



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0 0	0.6 10	1.2 20	1.8 30	2.4 40	3 50	3.6 60	4.2 70	4.8 80	5.4 90
A	**QDP90-3SE/3SE-1**	0.8	H	32	31	29.5	28	26	23	20	16	11	6
B	**QDP90-4SE/4SE-1**	1		42	40.5	38.5	36.5	34	30.5	26	20	14	8
C	**QDP90-5SE/5SE-1**	1.2		50	48	46	43.5	40	35	30	24.5	18	11

QDP145-SE/SE-1

Automatic submersible pumps

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

QDP145-SE

QDP145-SE-1

QDP-SE-1
If request

Motor

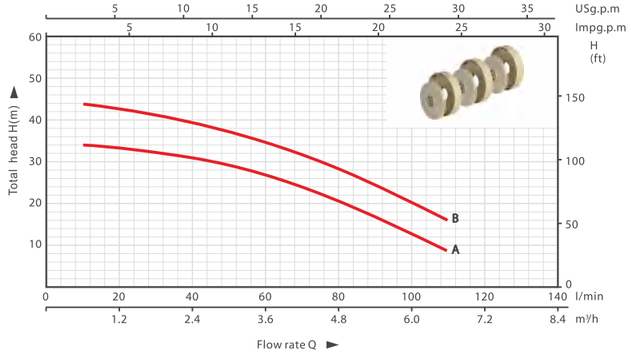
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

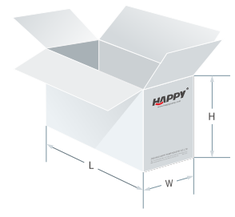
- **8 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Techno-polymer & AISI304 SS
Suction filter:	AISI304 SS
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/ Graphite
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDP145-3SE/3SE-1**	1"	9.8	295×200×570
B	**QDP145-4SE/4SE-1**	1"	10.2	295×200×590



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0 0	0.6 10	1.2 20	1.8 30	2.4 40	3 50	3.6 60	4.2 70	4.8 80	5.4 90	6 100	6.6 110
A	**QDP145-3SE/3SE-1**	1	H	35	34	33	32	31	29.5	27	24	21	17	13	9
B	**QDP145-4SE/4SE-1**	1.2		45	44	43	42	40	37.5	35	32	28	24	20	16

QDS90-S

Submersible pumps

QDS90-S

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

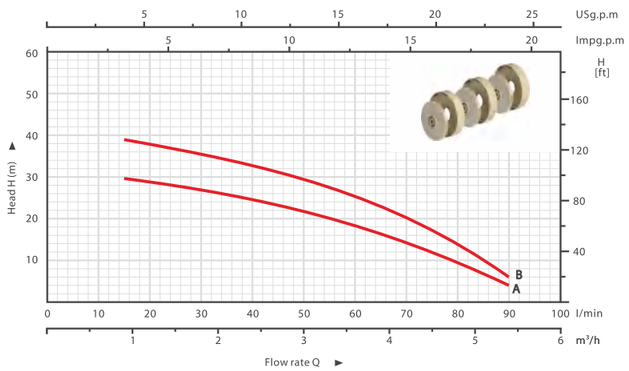
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

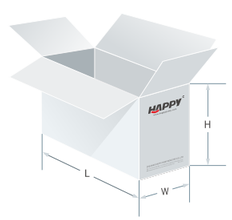
- **8 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Suction filter:	AISI304 SS
Impeller:	Techno-polymer, AISI304 SS if request
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/ Graphite
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDS90-3S**	1"	15	320×240×630
B	**QDS90-4S**	1"	16.2	320×240×630



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.9 / 15	1.8 / 30	2.7 / 45	3.6 / 60	4.5 / 75	5.4 / 90
A	**QDS90-3S**	0.75	1	H	32	29.5	27.5	23.5	18	11.5	4
B	**QDS90-4S**	1.1	1.5	H	42.5	38.5	35	31	26	17.5	6

QDS-A/C/D

Submersible pumps

QDS-C

QDS-A

QDS-D

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

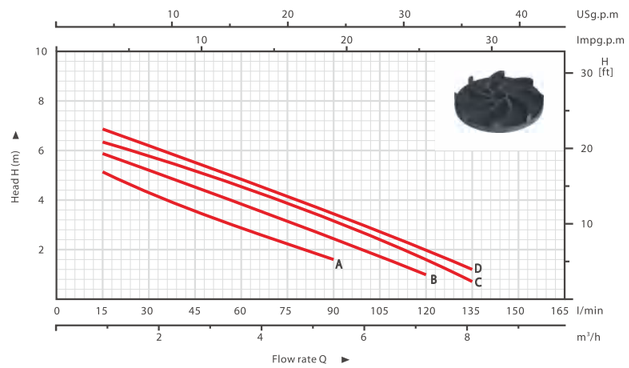
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

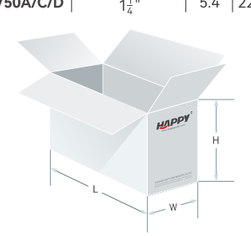
- **5 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Pump body:	AISI304 SS
Suction filter:	Techno-polymer for QDS-A, AISI304 SS for QDS-C/D
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDS-250A/C/D**	$1\frac{1}{4}$"	4.4	220×190×365
B	**QDS-370A/C/D**	$1\frac{1}{4}$"	4.6	220×190×365
C	**QDS-550A/C/D**	$1\frac{1}{4}$"	5	220×190×365
D	**QDS-750A/C/D**	$1\frac{1}{4}$"	5.4	220×190×365



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	0.9 / 15	1.8 / 30	2.7 / 45	3.6 / 60	4.5 / 75	5.4 / 90	6.3 / 105	7.2 / 120	8.1 / 135
A	**QDS-250A/C/D**	0.25	0.34	H	6	5	4.2	3.5	3	2.2	1.6			
B	**QDS-370A/C/D**	0.37	0.5	H	6.5	5.9	5.2	4.6	3.9	3.1	2.5	1.7	1	
C	**QDS-550A/C/D**	0.55	0.75	H	7	6.3	5.7	5.1	4.5	3.9	3.2	2.5	1.7	0.7
D	**QDS-750A/C/D**	0.75	1	H	7.5	6.6	6	5.5	4.8	4.2	3.5	2.8	2	1.2

QDS-CW/DW

Submersible sewage pumps

QDS-CW

QDS-DW

HAPPY®
www.happypump.com

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of Φ8mm

Motor

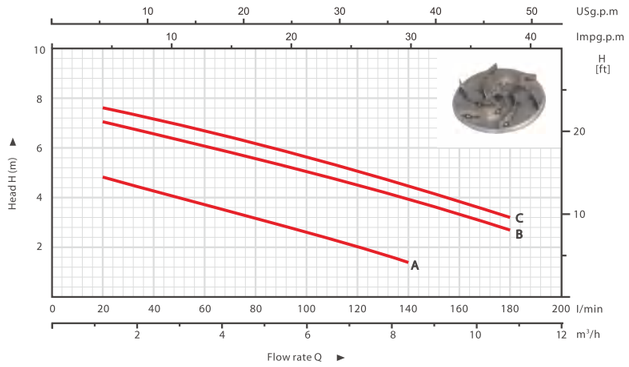
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if requested

Operating conditions

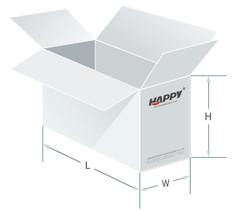
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	AISI304 SS
Suction filter:	AISI304 SS
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDS-370CW/DW**	$1\frac{1}{2}$"	6	230×200×420
B	**QDS-550CW/DW**	$1\frac{1}{2}$"	6.5	230×200×420
C	**QDS-750CW/DW**	$1\frac{1}{2}$"	6.8	230×200×420



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
					0	20	40	60	80	100	120	140	160	180
A	**QDS-370CW/DW**	0.37	0.5		5.5	4.8	4.3	3.7	3.2	2.6	1.9	1.4		
B	**QDS-550CW/DW**	0.55	0.75	H	7.5	7.1	6.6	6.2	5.7	5.1	4.5	3.9	3.2	2.7
C	**QDS-750CW/DW**	0.75	1		8	7.6	7.2	6.7	6.2	5.7	5.1	4.5	3.9	3.2

QDX-A

Submersible pumps

QDX-A

Application

Suitable for use in civil and agricultural applications.
The high efficiency and continuous duty capabilities make these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high head and mid flow rates are required.

Motor

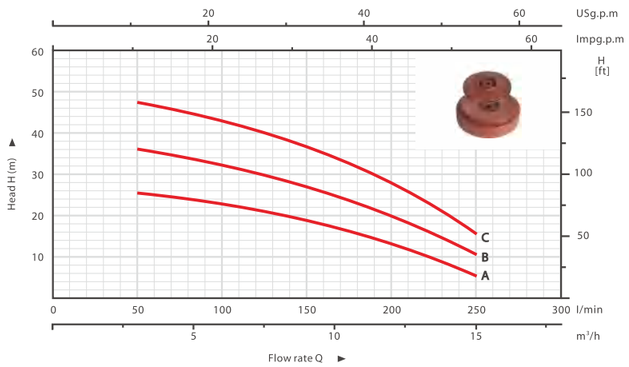
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

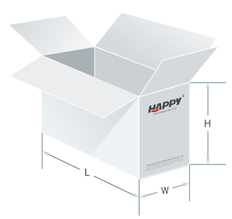
- **8 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Pump body:	Cast iron
Mator housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	**QDX6-28/2-1.1A**	2"	22	265×198×520
B	**QDX6-39/3-1.5A**	2"	27	265×198×578
C	**QDX6-50/4-2.2A**	2"	35	265×198×638



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15
		kW	HP	Q(l/min)	0	50	100	150	200	250
A	**QDX6-28/2-1.1A**	1.1	1.5	H	27	24.5	23	20	13.5	5.5
B	**QDX6-39/3-1.5A**	1.5	2		39	36	33	28	20.5	10.5
C	**QDX6-50/4-2.2A**	2.2	3		50.5	46.5	42.5	37	28	15.5

QDX-B

Submersible pumps

QDX6-32-1.5B　　QDX6-50/4-2.2B

Application

Suitable for use in civil and agricultural applications.
The high efficiency and continuous duty capabilities make these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high head and mid flow rates are required.

Motor

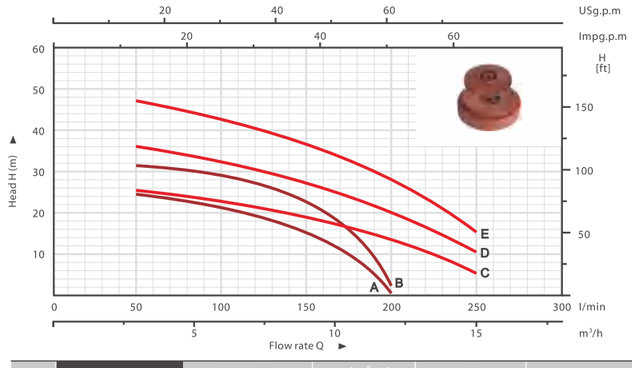
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- **8 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	**QDX8-22-1.1B**	$1\frac{1}{4}$"	21	300×235×505
B	**QDX6-32-1.5B**	$1\frac{1}{4}$"	23	300×235×535
C	**QDX6-28/2-1.1B**	2"	22	260×185×535
D	**QDX6-39/3-1.5B**	2"	26.3	260×185×595
E	**QDX6-50/4-2.2B**	2"	30.5	260×185×655

NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15
		kW	HP	Q(l/min)	0	50	100	150	200	250
A	**QDX8-22-1.1B**	1.1	1.5	H	27	26	23	17.5	0.5	
B	**QDX6-32-1.5B**	1.5	2		32.5	31.5	30	24.5	2.5	
C	**QDX6-28/2-1.1B**	1.1	1.5		27	24.5	23	20	13.5	5.5
D	**QDX6-39/3-1.5B**	1.5	2		39	36	33	28	20.5	10.5
E	**QDX6-50/4-2.2B**	2.2	3		50.5	46.5	43	37	28	15.5

QDX145-SV

Submersible pumps

QDX145-SV

Application

Suitable for use in civil and agricultural applications.
The high efficiency and continuous duty capabilities make these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high head and mid flow rates are required.

Motor

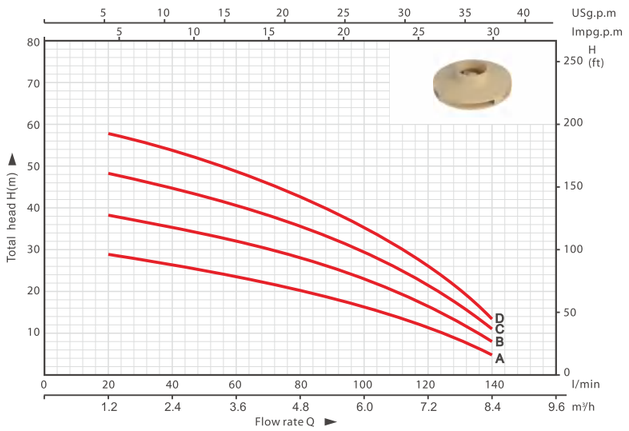
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

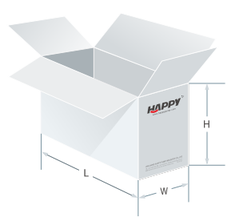
- **8 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Techno-polymer
Motor shaft:	AISI304 SS
Mechanical seal:	Ceramic/Graphite
Cable:	12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDX145-3SV**	2"	17.9	258×185×540
B	**QDX145-4SV**	2"	20.3	258×185×580
C	**QDX145-5SV**	2"	24	258×185×633
D	**QDX145-6SV**	2"	26.5	258×185×688



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.2 / 20	2.4 / 40	3.6 / 60	4.8 / 80	6 / 100	7.2 / 120	8.4 / 140
A	**QDX145-3SV**	0.75	1	H	31	28	26	23.5	20.5	17	11.5	5
B	**QDX145-4SV**	1.1	1.5		41	38	35.5	32	29	24	16.5	8
C	**QDX145-5SV**	1.5	2		51.5	48.5	45.5	41	36	30	21.5	11
D	**QDX145-6SV**	2.2	3		60.5	58	53.5	48	42	35.5	27	13.5

HDB

Submersible pumps

HDB480/800

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water.

Motor

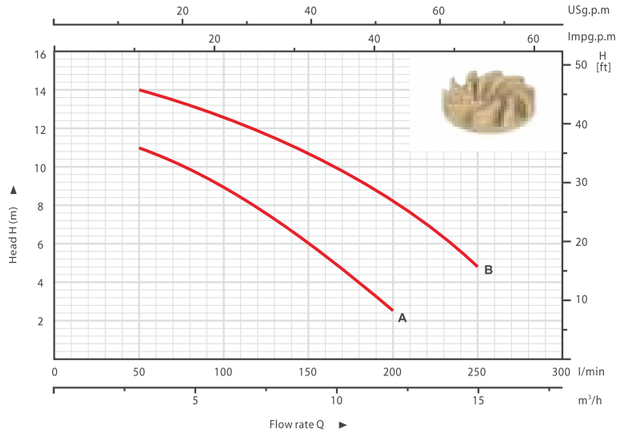
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- **5 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Diffuser:	Rubber
Motor housing:	AISI201 SS
Impeller:	Techno-polymer
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**HDB480**	2"	12	235×220×403
B	**HDB800**	2"	13.5	235×220×418

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250
A	**HDB480**	0.48	0.65	H	12	11	9	6	2.4	
B	**HDB800**	0.8	1.1		15	14	12.7	11	8.2	4.7

QDX-FA-3

Submersible pumps

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

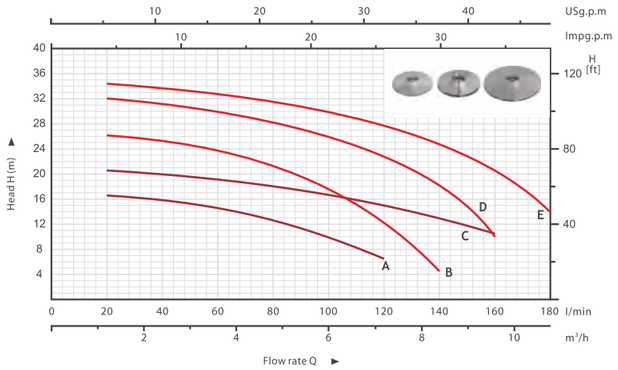
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

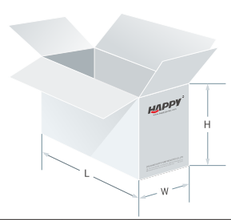
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	Aluminum
Impeller:	Aluminum
Motor shaft:	Carbon steel, AISI304 SS if request
Mechanical seal:	Ceramic/Graphite
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QDX1.5-16-0.37FA-3**	1"	9	190×150×390
B	**QDX1.5-25-0.55FA-3**	1"	12	210×160×415
C	**QDX3-20-0.55FA-3**	1"	9.1	415×178×230
D	**QDX1.5-32-0.75FA-3**	1"	13	225×180×430
E	**QDX1.5-38-1.1FA-3**	1"	16.6	310×230×490

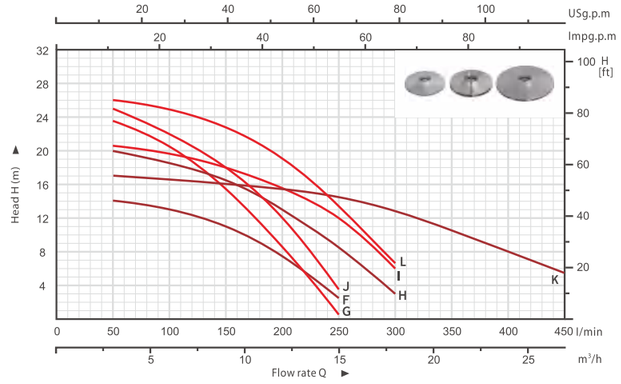


NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	1.2 / 20	2.4 / 40	3.6 / 60	4.8 / 80	6 / 100	7.2 / 120	8.4 / 140	9.6 / 160	10.8 / 180
A	**QDX1.5-16-0.37FA-3**	0.37	0.5		17	16.5	16	14.5	12.5	10	6.5			
B	**QDX1.5-25-0.55FA-3**	0.55	0.75		26.5	25.5	24	23	21.5	17	12	4.5		
C	**QDX3-20-0.55FA-3**	0.55	0.75	H	21	20.5	20	19	18	16.5	15	13	10.5	
D	**QDX1.5-32-0.75FA-3**	0.75	1		32.5	32	31	30	28.5	25.5	22.5	18	10	
E	**QDX1.5-38-1.1FA-3**	1.1	1.5		35	34.5	34	33	31.5	30	27.5	24	20	14

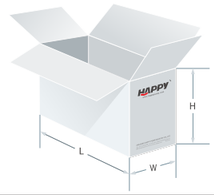
QDX-FA-3

Submersible pumps

PERFORMANCE CHART AT n=2850RPM

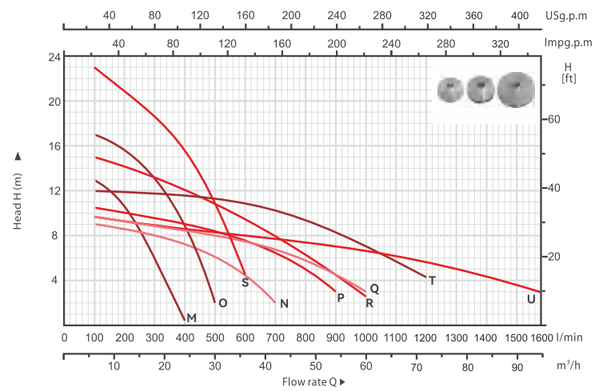


NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
F	**QDX10-10-0.55FA-3**	1½"	11.7	255×195×425
G	**QDX6-26-0.75FA-3**	1½"	14	225×165×420
H	**QDX7-18-0.75FA-3**	1½"	13	225×165×415
I	**QDX10-16-0.75FA-3**	2"	14	235×165×425
J	**QDX8-26-1.1FA-3**	1½"	16.1	250×250×480
K	**QDX10-18-1.1FA-3**	2"	15	240×175×450
L	**QDX10-26-1.5FA-3**	2"	15.8	220X255X460



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	3.0 / 50	6.0 / 100	9.0 / 150	12.0 / 200	15.0 / 250	18.0 / 300	21.0 / 350	24.0 / 400	27.0 / 450
F	**QDX10-10-0.55FA-3**	0.55	0.75		15.5	14	13	11	7.5	2.5				
G	**QDX6-26-0.75FA-3**	0.75	1		26	23.5	20.5	15.5	8.5	0.5				
H	**QDX7-18-0.75FA-3**	0.75	1		21	20	18.5	16.5	13	8.5	3			
I	**QDX10-16-0.75FA-3**	0.75	1	H	21	20.5	19.5	18	15.5	12	6			
J	**QDX8-26-1.1FA-3**	1.1	1.5		27	25	22	18	11	3.5				
K	**QDX10-18-1.1FA-3**	1.1	1.5		17.5	17	16.5	16	15.5	14.5	12.8	10.5	8	5.5
L	**QDX10-26-1.5FA-3**	1.5	2		27	26	24.8	22.9	19.2	13.2	6.7			

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
M	**QDX15-10-0.75FA-3**	2½"	14.5	233×168×430
N	**QDX30-6-0.75FA-3**	3"	15	250×175×445
O	**QDX15-15-1.1FA-3**	2½"	15.5	285×195×470
P	**QDX40-7-1.1FA-3**	3"	15.5	305×230×485
Q	**QDX50-6-1.5FA-3**	4"	19.5	260×355×530
R	**QDX40-12-1.5FA-3**	3"	17.7	225×305×505
S	**QDX20-23-2.2FA-3**	2"	20.5	250×290×520
T	**QDX65-8-2.2FA-3**	4"	23.5	300×290×540
U	**QDX100-4-2.2FA-3**	6"	28.2	395×300×560

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	6 / 100	12 / 200	18 / 300	24 / 400	30 / 500	36 / 600	42 / 700	48 / 800	54 / 900	60 / 1000	66 / 1100	72 / 1200	78 / 1300	84 / 1400	90 / 1500	96 / 1600
M	**QDX15-10-0.75FA-3**	0.75	1		14	13	11	6	0.5												
N	**QDX30-6-0.75FA-3**	0.75	1		9.5	9	8.5	8	7	6	4.5	2									
O	**QDX15-15-1.1FA-3**	1.1	1.5		17.5	17	16	13	8.5	2											
P	**QDX40-7-1.1FA-3**	1.1	1.5		11	10.5	10	9.5	9	8.5	7.5	6.5	5	3							
Q	**QDX50-6-1.5FA-3**	1.5	2		10.5	9.8	9.2	8.7	8.4	8	7.3	6.4	5.7	4.5	3						
R	**QDX40-12-1.5FA-3**	1.5	2	H	15.5	15	14.1	13.2	12.4	11	9.5	8	6.3	4.7	2.5						
S	**QDX20-23-2.2FA-3**	2.2	3		23.5	23	21.7	19.2	15.8	11.2	4.5										
T	**QDX65-8-2.2FA-3**	2.2	3		12.3	12	11.9	11.7	11.6	11.4	10.9	10.3	9.5	8.4	7	5.7	4.2				
U	**QDX100-4-2.2FA-3**	2.2	3		10.5	9.8	9	8.5	8.3	8	7.9	7.8	7.7	7.5	7	6.5	6	5.3	4.5	3.8	3

QKm370-A

Submersible pumps

QKm370-A

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

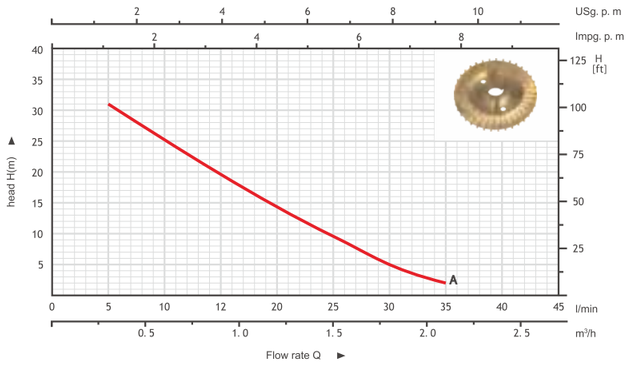
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Single-phase 220V/50Hz, 60Hz if request

Operating conditions

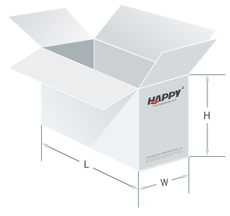
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Brass
Motor shaft:	AISI304 SS
Mechanical seal:	SIC-SIC/Ceramic-Graphite
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**QKm370-A**	1"	8.4	235×182×445



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
					0	5	10	15	20	25	30	35
A	**QKm370-A**	0.37	0.5	H	38	31	25	19.5	14.5	9.5	5	2

WQD-B

Submersible sewage pumps

WQD550~2200-B

WQD250/370-B

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ10mm.

Motor

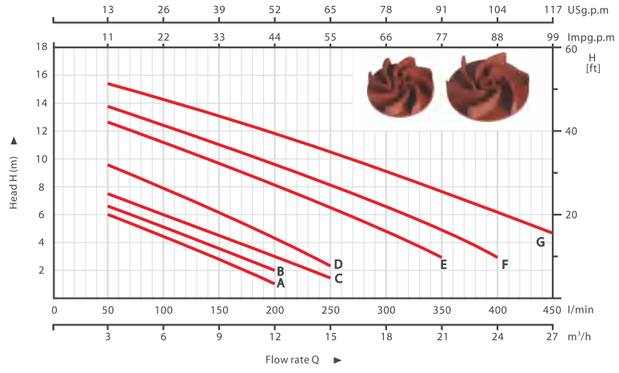
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	Carbon steel, AISI 304 SS if request
Mechanical seal:	Ceramic/Graphite
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**WQD250-B**	1¼"	7.5	233×188×455
B	**WQD370-B**	1¼"	8.5	233×188×455
C	**WQD550-B**	2"	13	257×225×448
D	**WQD750-B**	2"	14	257×225×495
E	**WQD1100-B**	2"	16	257×225×512
F	**WQD1500-B**	2"	19	257×225×525
G	**WQD2200-B**	2"	21	257×225×538

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18	21	24	27	30
					0	50	100	150	200	250	300	350	400	450	500
A	**WQD250-B**	0.25	0.34		7.5	6	4.5	3	1						
B	**WQD370-B**	0.37	0.5		8	6.5	5	3.5	2						
C	**WQD550-B**	0.55	0.75		9	7.7	6	4.4	3	1.5					
D	**WQD750-B**	0.75	1	H	11	9.5	7.5	6	4.5	2.5					
E	**WQD1100-B**	1.1	1.5		14	12.5	11	9.5	8	6.5	5	3			
F	**WQD1500-B**	1.5	2		15	13.5	12	10.5	9.5	8	6.5	5	3		
G	**WQD2200-B**	2.2	3		16.5	15.5	14.5	13.5	12.5	11.5	10	8.5	6.5	4.5	

WQD-D

Submersible sewage pumps

WQD250/370-D

WQD550~2200-D

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ10mm.

Motor

- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

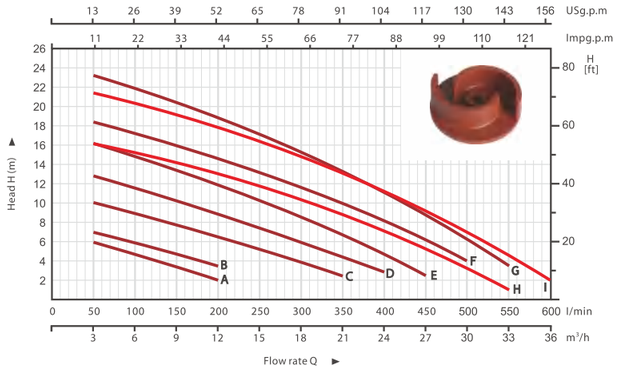
Operating conditions

- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI304 SS(0.25~0.37kW) AISI201 SS(0.55~2.2kW)
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**WQD250-D**	$1\frac{1}{4}$"	8	205×155×400
B	**WQD370-D**	$1\frac{1}{4}$"	9	205×155×420
C	**WQD550-D**	2"	14.5	265×188×467
D	**WQD750-D**	2"	15.3	265×188×477
E	**WQD1100-D**	2"	17	265×188×483
F	**WQD1500-D**	2"	21	285×203×515
G	**WQD2200-D**	2"	22	285×203×542
H	**WQD1500-D(3")**	3"	21.5	290×195×530
I	**WQD2200-D(3")**	3"	23	290×195×555

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33	36
					0	50	100	150	200	250	300	350	400	450	500	550	600
A	**WQD250-D**	0.25	0.34		7	6	5	3.7	2								
B	**WQD370-D**	0.37	0.5		8	7	6	4.8	3.5								
C	**WQD550-D**	0.55	0.75		11	10	9	7.7	6.5	5.2	4	2.5					
D	**WQD750-D**	0.75	1		14	13	12	11	9.5	8	6	4.5	2.8				
E	**WQD1100-D**	1.1	1.5	H	17.5	16	15	13.5	12	10.5	9	7	5	2.5			
F	**WQD1500-D**	1.5	2		19.5	18.8	17.8	16.5	15.5	14	12.5	10.5	8.5	6.5	4		
G	**WQD2200-D**	2.2	3		24.5	23	21.5	20	18.5	17	15.5	13.5	11.5	9	6.5	3.5	
H	**WQD1500-D(3")**	1.5	2		17	16	15	14	13	11.8	10.5	9	7	5	3	1	
I	**WQD2200-D(3")**	2.2	3		23	21.5	20	18.5	17.5	16	15	14	12.5	11	8.5	5.5	2

WQD-S

Submersible sewage pumps

WQD-S

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ10mm.

Motor

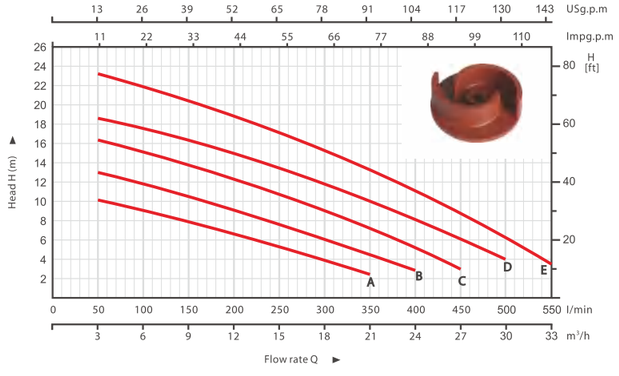
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

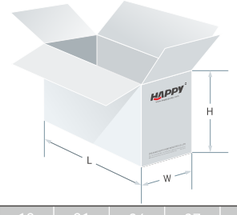
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	**WQD550-S**	2"	14.8	270×193×475
B	**WQD750-S**	2"	15.6	270×193×485
C	**WQD1100-S**	2"	17.3	270×193×495
D	**WQD1500-S**	2"	21.3	283×207×525
E	**WQD2200-S**	2"	22.3	283×207×550



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33
					0	50	100	150	200	250	300	350	400	450	500	550
A	**WQD550-S**	0.55	0.75		11	10	9	7.7	6.8	5	4	2.5				
B	**WQD750-S**	0.75	1		14	13	12	10.8	9.5	8	6	4.5	2.5			
C	**WQD1100-S**	1.1	1.5	H	17.5	16	15	13.7	12	10.5	9	7	5	3		
D	**WQD1500-S**	1.5	2		19.5	19	18	16.5	15.5	14	12.5	10.7	8.5	6.5	4	
E	**WQD2200-S**	2.2	3		24.5	23	21.5	20	18.5	17	15.5	13.5	11.5	9	6.5	3.5

H800F-B~H2250F-B

Submersible sewage pumps

H800F-B~H2250F-B

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ30mm.

Motor

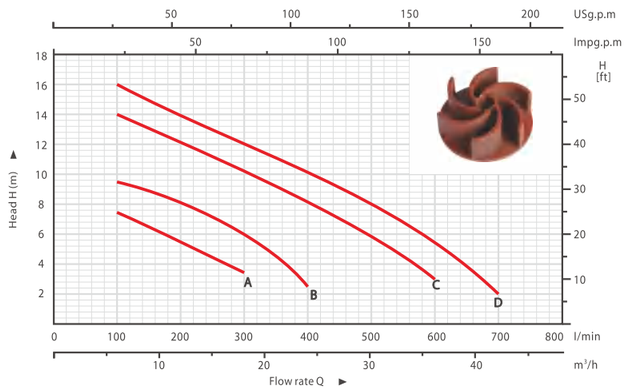
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

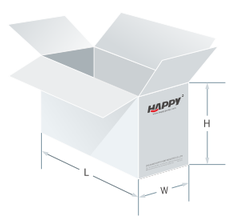
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**H800F-B**	2"	30	20	300×230×538
B	**H1100F-B**	2"	30	22	300×230×548
C	**H1600F-B**	3"	30	32	345×248×621
D	**H2250F-B**	3"	30	36	345×248×658



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	6 / 100	12 / 200	18 / 300	24 / 400	30 / 500	36 / 600	42 / 700
A	**H800F-B**	0.8	1.1	H	9	7.5	5.5	3.5				
B	**H1100F-B**	1.1	1.5		11	9.5	8	6	2.5			
C	**H1600F-B**	1.5	2		15	14	12	10	8	6	3	
D	**H2250F-B**	2.2	3		17.5	16	14	12	10	8	5.5	2

V1500F~V2200F

Submersible sewage pumps

V1500F~V2200F

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ15mm.

Motor

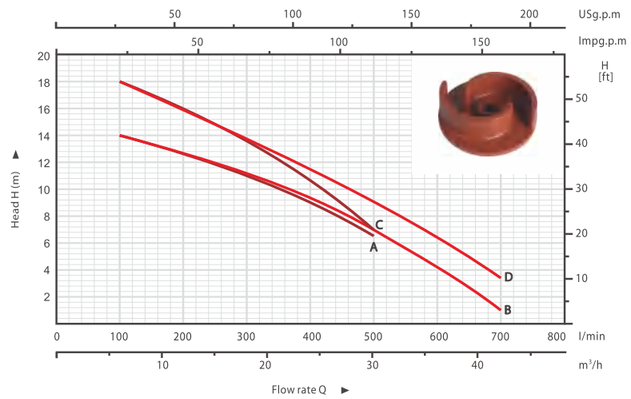
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

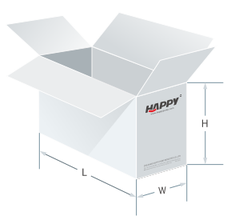
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A / B	**V1500F**	2" / 2½"/3"	15	25	333×225×525
C / D	**V2200F**	2" / 2½"/3"	15	28	345×245×548



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	6 / 100	12 / 200	18 / 300	24 / 400	30 / 500	36 / 600	42 / 700
A	**V1500F**	1.5	2	H	15.5	14	12.5	11	9	6.5		
B	**V1500F**	1.5	2		15.5	14	12.5	11	9.5	7	4.5	1
C	**V2200F**	2.2	3		18	16.5	15	13.5	10.5	6.5		
D	**V2200F**	2.2	3		18	16.5	15	13.5	11	8.8	6.5	3.5

HW20L

Submersible sewage pumps

Application

The HW20L series is a miniature lifting device.
Mainly used under municipal sewage pipelines
Underground or on the same floor without sewage
pipes. Suitable for rear seat toilets, rain rooms
The domestic sewage generated by washbasins, bar
sinks, etc.is discharged.

HW20L

Motor

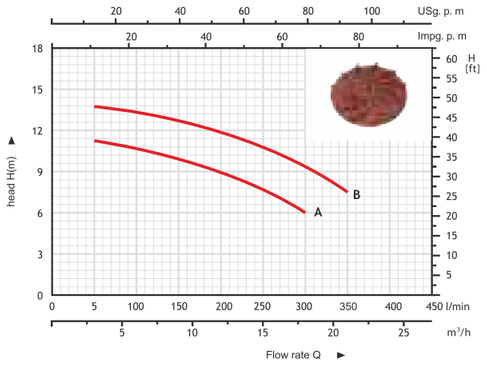
※ Two-pole induction motor(n=2850 r.p.m)
※ Insulation **Class B**
※ Protection **IP68** (Excluding control box)

Operating conditions

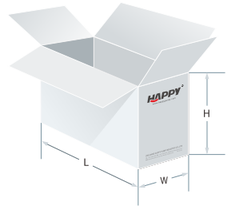
※ Liquid temperature up to **35 ℃**
※ Maximum ambient temperature **40 ℃**
※ Motor operation mode S3-50%

Component	Construction
※ **Pump body:**	Techno-polymer
※ **Motor housing:**	AISI 201 SS
※ **Impeller:**	Cast iron
※ **Motor shaft:**	AISI 304 SS
※ **Mechanical seal**	SIC/SIC

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HW20L750**	2"	30	24.5	520X320X500
B	**HW20L1100**	2"	30	26	520X320X550



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300	21 / 350
A	**HW20L750**	0.75	1	H	12.5	11.5	10.8	9.8	9	8	6	
B	**HW20L1100**	1.1	1.5		15	13.8	13	12.5	11.8	11	9.5	7.5

HVT-D/F

Submersible sewage pumps

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ35mm.

HVT-F

HVT-D

Motor

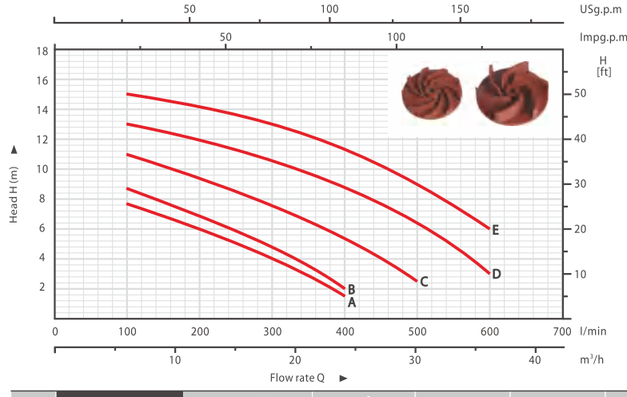
※ Two-pole induction motor(n=2850 r.p.m)
※ Insulation **Class B**
※ Protection **IP68**
※ Continuous service **S1**
※ Thermal protector for single phase
※ Single-phase 220V/50Hz, 60Hz if request
※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

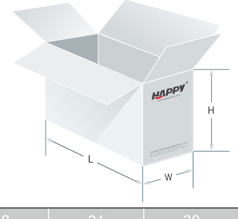
※ **5 m** maximum immersion depth
※ Liquid temperature up to **35 ℃**
※ Maximum ambient temperature **40 ℃**

Component	Construction
※ **Pump body:**	Cast iron
※ **Motor housing:**	AISI201 SS
※ **Impeller:**	Cast iron
※ **Motor shaft:**	AISI304 SS
※ **Mechanical seal:**	SIC/SIC
※ **Cable:**	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HVT-550D/F**	2"	35	16.5	285×198×470
B	**HVT-750D/F**	2"	35	17.5	285×198×485
C	**HVT-1100D/F**	2"	35	19.5	285×198×500
D	**HVT-1500D/F**	2"	35	21.5	285×198×520
E	**HVT-2200D/F**	2"	35	22.5	285×198×538



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	6 / 100	12 / 200	18 / 300	24 / 400	30 / 500	36 / 600
A	**HVT-550D/F**	0.55	0.75	H	9.5	7.7	6	4	1.5		
B	**HVT-750D/F**	0.75	1		10.5	8.7	6.8	4.8	2		
C	**HVT-1100D/F**	1.1	1.5		13	11	9.5	7.5	5.5	2.5	
D	**HVT-1500D/F**	1.5	2		15	13	12	10.5	8.5	6.5	3
E	**HVT-2200D/F**	2.2	3		17	15	14	13	11.5	9	6

HVT-C5

Submersible sewage pumps

HVT-C5

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ35mm.

Motor

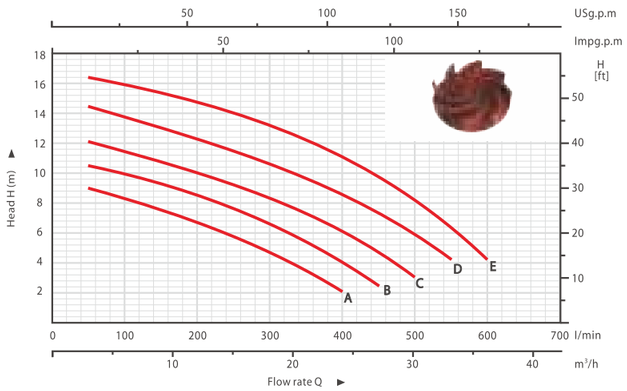
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

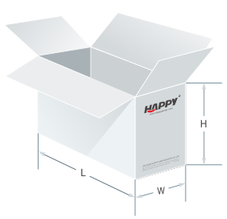
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Ductile Iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HVT-550C5**	2"	35	17.5	295×208×492
B	**HVT-750C5**	2"	35	18.2	295×208×502
C	**HVT-1100C5**	2"	35	20.2	295×208×516
D	**HVT-1500C5**	2"	35	22.6	295×208×545
E	**HVT-2200C5**	2"	35	23.9	295×208×560



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33	36
					0	50	100	150	200	250	300	350	400	450	500	550	600
A	**HVT-550C5**	0.55	0.75		9.5	8.9	8.3	7.5	6.7	5.7	4.7	3.4	2.1				
B	**HVT-750C5**	0.75	1		10.8	10.5	9.9	9.1	8.5	7.6	6.7	5.5	4.2	2.5			
C	**HVT-1100C5**	1.1	1.5	H	12.7	12.1	11.4	10.7	10	9.2	8.3	7.2	6	4.8	3.1		
D	**HVT-1500C5**	1.5	2		15	14.5	13.8	13	12.3	11.4	10.6	9.8	8.6	7.2	5.7	4.2	
E	**HVT-2200C5**	2.2	3		17	16.4	15.9	15.2	14.5	13.8	12.9	12.2	11.2	9.9	8.2	6.4	4.2

VTX-F

Submersible sewage pumps

VTX-F

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ35mm.

Motor

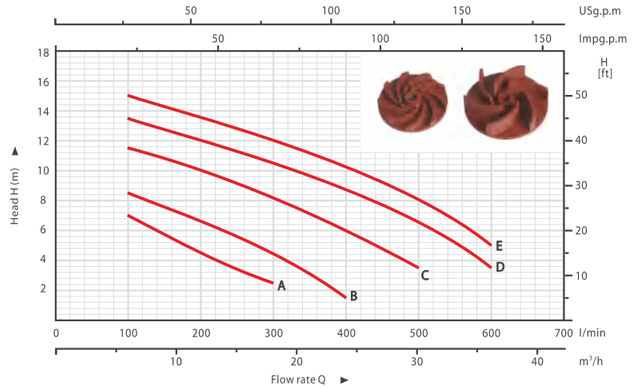
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

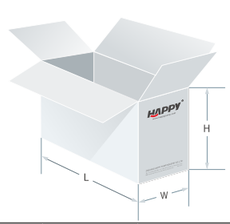
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**VTX-550F**	2"	35	17	275×188×478
B	**VTX-750F**	2"	35	18	275×188×490
C	**VTX-1100F**	2"	35	20	275×188×510
D	**VTX-1500F**	2"	35	21.5	275×188×525
E	**VTX-2200F**	2"	35	23	275×188×542



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	6	12	18	24	30	36
					0	100	200	300	400	500	600
A	**VTX-550F**	0.55	0.75		9	7	4.5	2.5			
B	**VTX-750F**	0.75	1		10	8.5	6.5	4.5	1.5		
C	**VTX-1100F**	1.1	1.5	H	13	11.5	9.5	8	6	3.5	
D	**VTX-1500F**	1.5	2		15	13.5	12	10.5	9	7	3.5
E	**VTX-2200F**	2.2	3		16.5	15	13.5	12	10.5	8.5	5

WQDR-B

Submersible sewage pumps

WQDR-B

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ25mm.

Motor

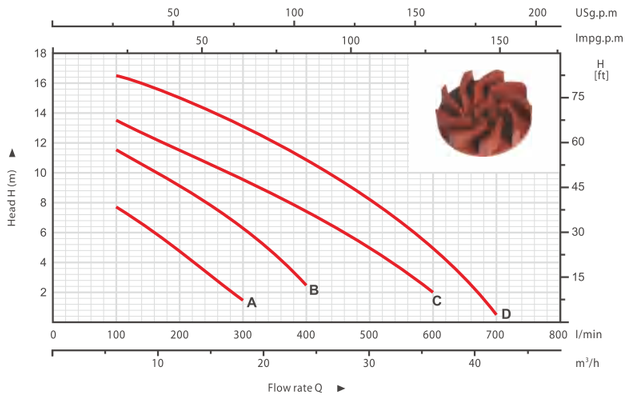
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

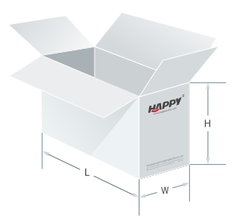
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**WQDR750-B**	2"	25	15	275×210×452
B	**WQDR1100-B**	2"	25	24	275×210×485
C	**WQDR1500-B**	3"	25	26	340×250×530
D	**WQDR2200-B**	3"	25	29	340×250×560



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	6	12	18	24	30	36	42
	Q(l/min)				0	100	200	300	400	500	600	700
A	**WQDR750-B**	0.75	1	H	10.5	7.7	4.7	1.5				
B	**WQDR1100-B**	1.1	1.5		14	11.5	9	6.5	2.5			
C	**WQDR1500-B**	1.5	2		15	13.5	11.5	9.5	7.5	5	2	
D	**WQDR2200-B**	2.2	3		18	16.5	14.5	12.5	10.5	8	5	0.5

HWD

Submersible sewage pumps

HWD

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ40mm.

Motor

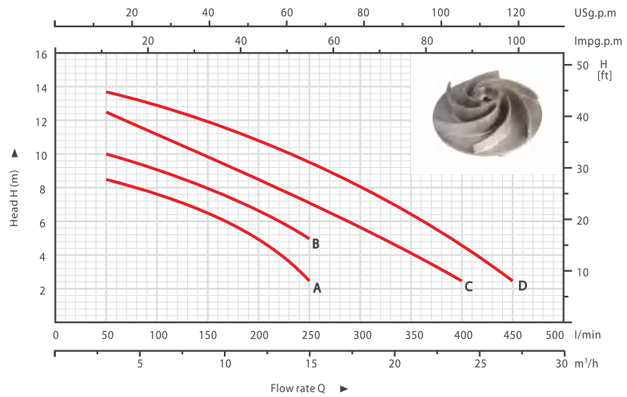
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

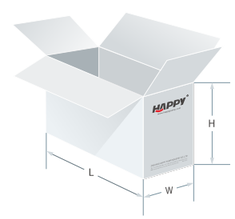
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	AISI304 SS
Motor housing:	AISI304 SS
Impeller:	AISI304 SS
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HWD-550S**	1½"	40	11	260×260×505
B	**HWD-750S**	1½"	40	12	260×260×505
C	**HWD-1100S**	2"	40	13	275×275×520
D	**HWD-1500S**	2"	40	15	275×275×550



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	3	6	9	12	15	18	21	24	27
	Q(l/min)				0	50	100	150	200	250	300	350	400	450
A	**HWD-550S**	0.55	0.75	H	10	8.5	7.5	6.5	5	2.5				
B	**HWD-750S**	0.75	1		11	10	9	8	6.5	5				
C	**HWD-1100S**	1.1	1.5		12.5	11.5	10.5	9.5	8.5	7	5.5	4	2.5	
D	**HWD-1500S**	1.5	2		15	13.7	13	12	10.8	9.5	8	6.5	4.5	2.5

HAD

Submersible sewage pumps

HAD

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ15mm.

Motor

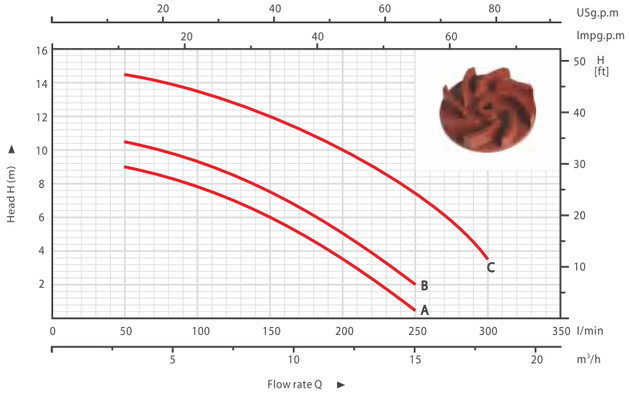
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

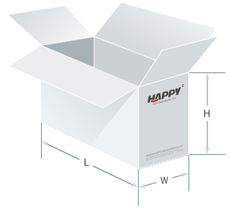
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	Aluminum
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HAD-400**	2"	15	12	260×230×365
B	**HAD-600**	2"	15	12.5	260×230×365
C	**HAD-750**	2"	15	14	260×230×385



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	3 / 50	6 / 100	9 / 150	12 / 200	15 / 250	18 / 300
A	**HAD-400**	0.4	0.55	H	10	9	7.5	6	3.5	0.5	
B	**HAD-600**	0.6	0.8		11.5	10.5	9	7.5	5	2	
C	**HAD-750**	0.75	1		15.5	14.5	13.5	12	10	6.5	3.5

HTD

Submersible sewage pumps

HTD

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ45mm.

Motor

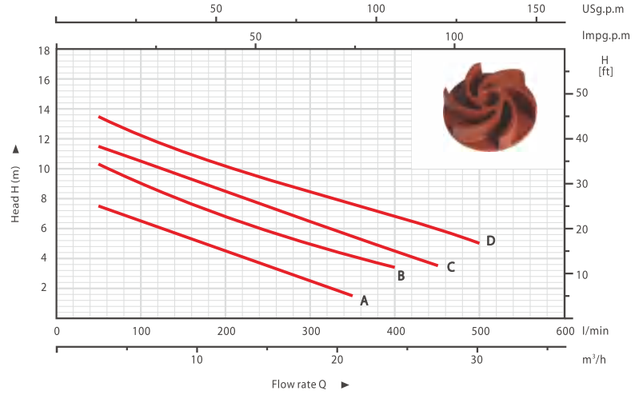
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

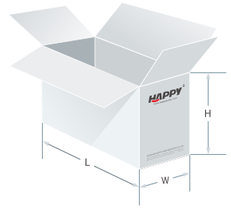
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	Cast iron
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HTD-550**	2"	45	20.2	315×252×504
B	**HTD-750**	2"	45	21	315×252×504
C	**HTD-1100**	2"	45	23.3	315×252×542
D	**HTD-1500**	2"	45	25	315×252×542



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	3 / 50	6 / 100	9 / 150	11 / 200	15 / 250	18 / 300	21 / 350	24 / 400	27 / 450	30 / 500
A	**HTD-550**	0.55	0.75	H	8.5	7.5	6.5	5.5	4.5	3.5	2.5	1.5			
B	**HTD-750**	0.75	1		11.5	10.3	9	8	6.8	5.8	5	4	3.4		
C	**HTD-1100**	1.1	1.5		13	11.5	10.5	9.5	8.5	7.5	6.5	5.5	4.5	3.5	
D	**HTD-1500**	1.5	2		15	13.5	12	11	10	9.3	8.5	7.5	6.5	6	5

HUD

Submersible sewage pumps

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ35mm.

Motor

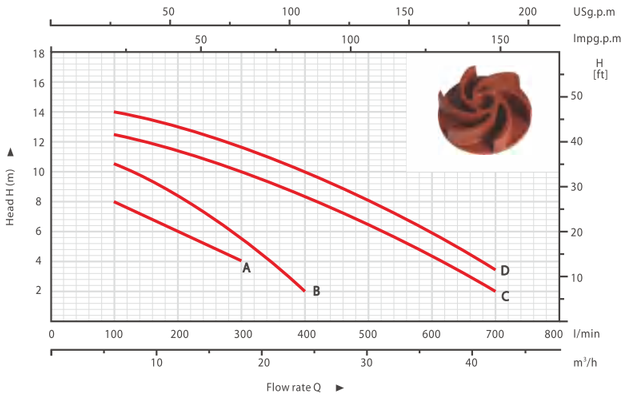
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	Cast iron
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HUD-550**	2"	25	18	272×210×465
B	**HUD-750**	2"	25	19.5	272×210×465
C	**HUD-1100**	$2\frac{1}{2}$"	35	28.5	333×235×525
D	**HUD-1500**	$2\frac{1}{2}$"	35	30.5	333×235×525

NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	6	12	18	24	30	36	42	45
				Q(l/min)	0	100	200	300	400	500	600	700	750
A	**HUD-550**	0.55	0.75	H	10	8	6	4					
B	**HUD-750**	0.75	1		11.5	10.5	8.5	5.5	2				
C	**HUD-1100**	1.1	1.5		13.5	12.5	11.5	10	8.5	6.5	4.5	2	
D	**HUD-1500**	1.5	2		15	14	13	11.5	10	8	6	3.5	

HD1150F~HD1550F

Cutting system submersible sewage pumps

Application

Submersible sewage pumps widely used in agriculture, architecture, mine, environment protection and industry, such as drainage slurry, waste water, which contained short fibre, long fibre, wastepaper, sand and so on, it is also an ideal equipment for irrigation.

Motor

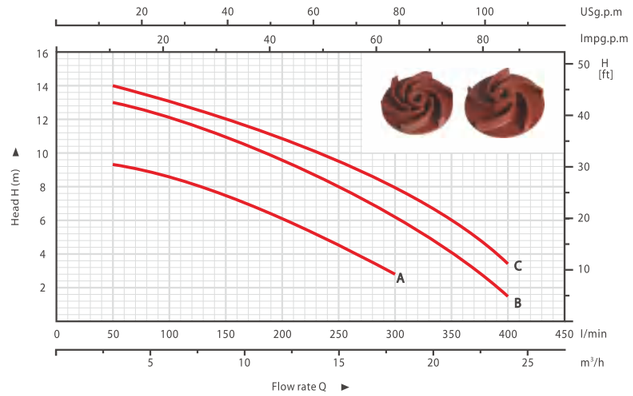
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

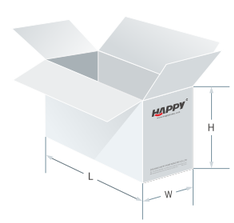
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HD1150F**	2"	8	20	280×215×515
B	**HD1300F**	2"	8	23	280×225×520
C	**HD1550F**	$2\frac{1}{2}$"	8	27.5	315×245×550



NO.	MODEL	POWER kW	POWER HP	Q(m³/h)	0	3	6	9	12	15	18	21	24
				Q(l/min)	0	50	100	150	200	250	300	350	400
A	**HD1150F**	1.15	1.6	H	10	9.3	8.6	7.5	6	4.5	2.8		
B	**HD1300F**	1.3	1.8		14	13	12	10.8	9.5	8	6.4	4	1.5
C	**HD1550F**	1.55	2.1		15	14	13	12	11	9.5	8	6	3.5

HD-2

Cutting system submersible sewage pumps

www.happypump.com

Application

Submersible sewage pumps widely used in agriculture, architecture, mine, environment protection and industry, such as drainage slurry, waste water, which contained short fibre, long fibre, wastepaper, sand and so on, it is also an ideal equipment for irrigation.

HD550-2~HD750-2

Motor

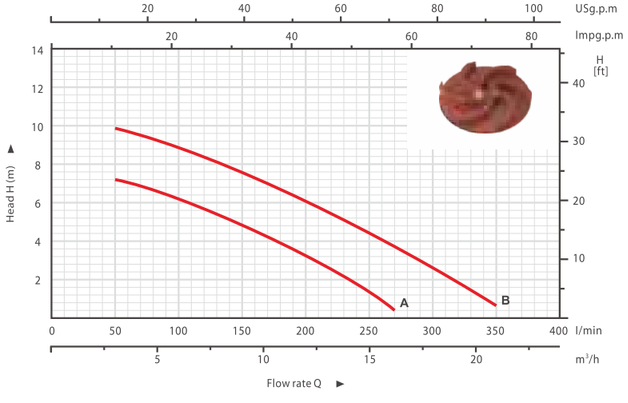
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

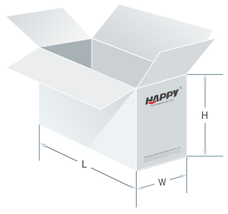
- **5 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**HD550-2**	2"	5	18	230×220×455
B	**HD750-2**	2"	5	18.8	230×220×465



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18	21
					0	50	100	150	200	250	300	350
A	**HD550-2**	0.55	0.75	H	8	7.2	6.1	5	3.8	2.4	0.4	
B	**HD750-2**	0.75	1		11	9.9	8.8	7.6	6.3	4.5	2.5	0.6

CUT

Cutting system submersible sewage pumps

www.happypump.com

Application

The CUT pumps are specifically designed for pumping untreated waste water from domestic, commercial or municipal sources. The high discharge pressure enables transfer of waste water over longer distances. The pump can cut up fibre mixture in water easily for example: glovers, rope, cloth. Being not wound and no obstruction.
It also can reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the system life.

CUT

Motor

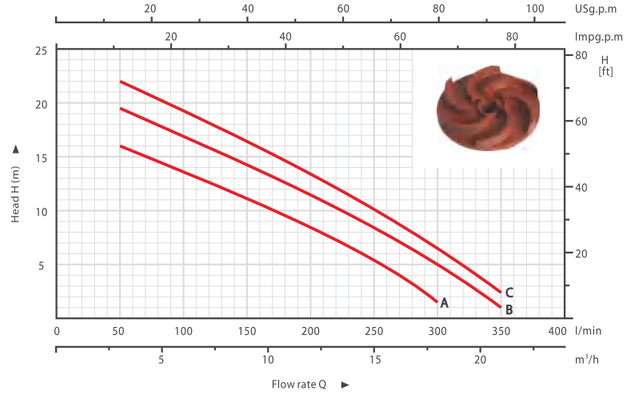
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- **5 m** maximum immersion depth
- Liquid temperature up to **35 °C**
- Maximum ambient temperature **40 °C**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**CUT800**	2"	5	28.5	285×238×578
B	**CUT1100**	2"	5	30.5	285×238×600
C	**CUT1500**	2"	5	33	285×238×620

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18	21	24
					0	50	100	150	200	250	300	350	400
A	**CUT800**	0.8	1	H	18	16	13.7	11	8.3	5.5	1.5		
B	**CUT1100**	1.1	1.5		21.5	19.5	17	14.5	11.5	8.5	5	1	
C	**CUT1500**	1.5	2		24	22	19.5	16.5	13.5	10	6.5	2.5	

CUT-C5

Cutting system submersible sewage pumps

CUT-C5

Application

The CUT pumps are specifically designed for pumping untreated waste water from domestic, commercial or municipal sources. The high discharge pressure enables transfer of waste water over longer distances. The pump can cut up fibre mixture in water easily for example: glovers, rope, cloth. Being not wound and no obstruction.
It also can reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the system life.

Motor

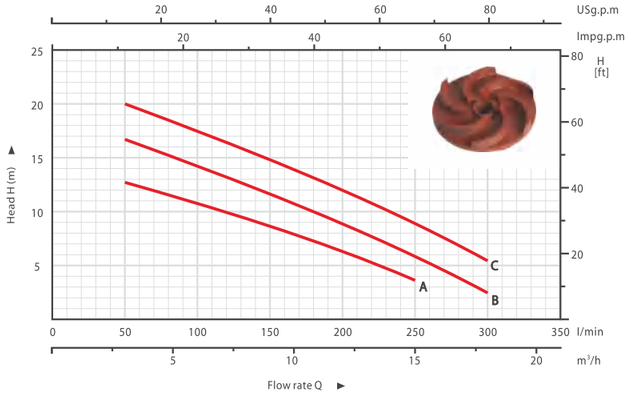
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector for single phase
- Single-phase 220V/50Hz, 60Hz if request
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

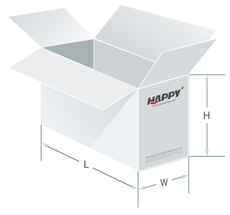
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	AISI201 SS
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC/SIC
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**CUT-800C5**	2"	5	21.5	285×220×510
B	**CUT-1100C5**	2"	5	23	285×220×530
C	**CUT-1500C5**	2"	5	26	285×220×560



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18
				Q(l/min)	0	50	100	150	200	250	300
A	**CUT-800C5**	0.8	1	H	14	12.7	10.7	8.4	6.2	3.3	
B	**CUT-1100C5**	1.1	1.5		19	16.8	14.3	11.7	9	6.2	2.5
C	**CUT-1500C5**	1.5	2		22	20	17.3	14.3	11.2	8.2	5.2

WQH-QG

Cutting system submersible sewage pumps

WQH3000-4000QG

WQH1500-2200QG

Application

The WQH-QG pumps are specifically designed for pumping untreated waste water from domestic, commercial or municipal sources. The high discharge pressure enables transfer of waste water over longer distances. The pump can cut up fibre mixture in water easily for example: glovers, rope, cloth. Being not wound and no obstruction.
It also can reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the system life.

Motor

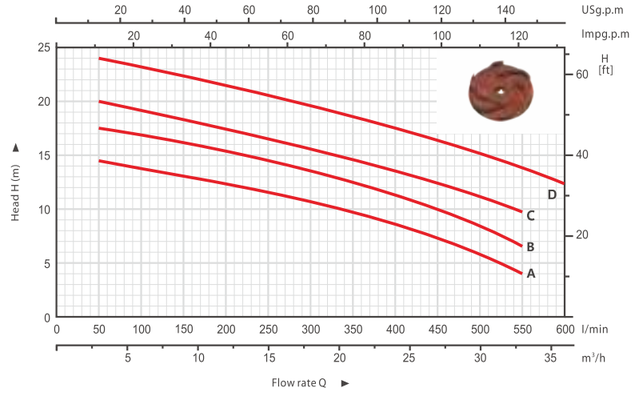
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

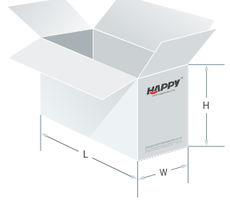
- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	Cast iron
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	SIC-SIC/Ceramic-Graphite
Cable:	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	**WQH1500QG**	2"	5	31.3	315×260×500
B	**WQH2200QG**	2"	5	32.9	315×260×500
C	**WQH3000QG**	2"	5	51	300×270×555
D	**WQH4000QG**	2"	5	57	300×270×570



NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33	36
				Q(l/min)	0	50	100	150	200	250	300	350	400	450	500	550	600
A	**WQH1500QG**	1.5	2	H	15	14.5	14	13.5	12.5	11.5	10.5	10	8.5	7	5.5	4	
B	**WQH2200QG**	2.2	3		18	17.5	17	16.5	15.5	14.5	13.5	12.5	11.5	10	8.5	6.5	
C	**WQH3000QG**	3	4		20.5	20	19	18	17.3	16.5	15.6	14.7	13.7	12.3	11	9.8	12.3
D	**WQH4000QG**	4	5.5		24.5	24	23	22	21.3	20.4	19.6	18.7	17.7	16.7	15.4	14	

WQH

Submersible sewage pumps

WQH0.55~2.2

WQH3.0~7.5

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ40mm.

Motor

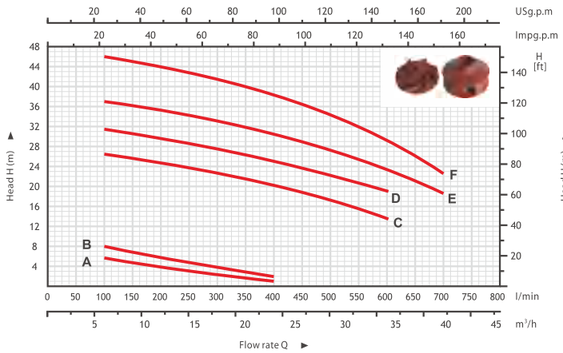
※ Two-pole induction motor(n=2850 r.p.m)
※ Insulation **Class B**
※ Protection **IP68**
※ Continuous service **S1**
※ Thermal protector for single phase
※ Single-phase 220V/50Hz, 60Hz if request
※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

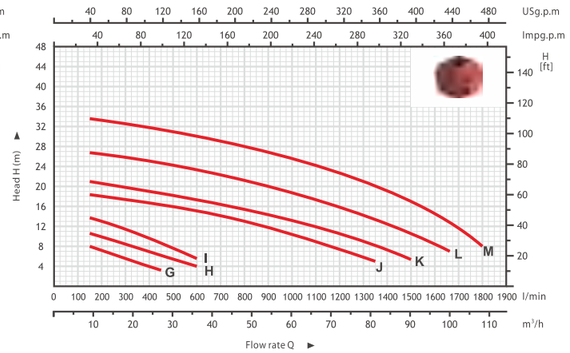
※ **5 m** maximum immersion depth
※ Liquid temperature up to **35 ℃**
※ Maximum ambient temperature **40 ℃**

Component	Construction
※ **Pump body:**	Cast iron
※ **Motor housing:**	Cast iron
※ **Impeller:**	Cast iron
※ **Motor shaft:**	AISI304 SS
※ **Mechanical seal:**	SIC/SIC(0.55~2.2kW)
	Alloy/SIC(3.0~7.5kW)
※ **Cable:**	8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



PERFORMANCE CHART AT n=2850RPM



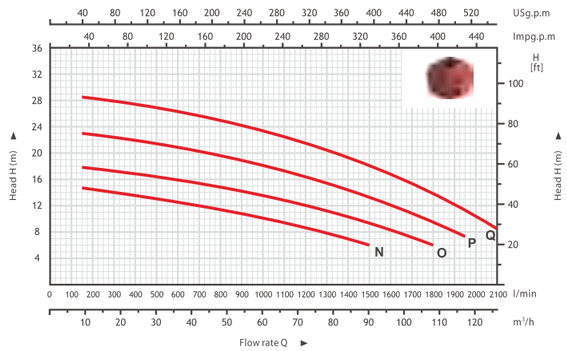
NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42
		kW	HP	Q(l/min)	0	100	200	300	400	500	600	700
A	**50WQH550**	0.55	0.75	H	8.5	6	4	2.5	1			
B	**50WQH750**	0.75	1		10.5	8.5	6.5	4	2			
C	**50WQH3000**	3	4		27.5	26.8	25	22.5	20.3	17.8	13.7	
D	**50WQH4000**	4	5.5		32	31.8	30	27.8	25.3	22.5	19	
E	**50WQH5500**	5.5	7.5		38.5	37.1	34.7	32.2	29.3	26.5	23.5	18.9
F	**50WQH7500**	7.5	10		47.5	46	43.3	40.8	38	34	32.3	22.7

WQH

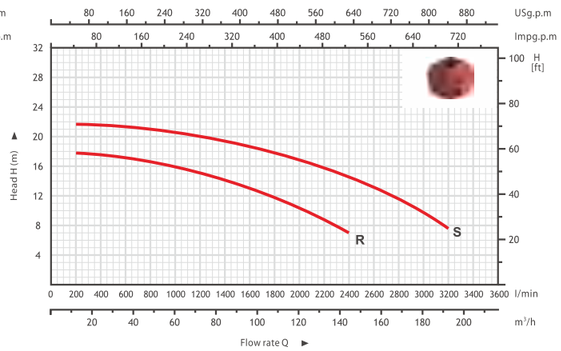
Submersible sewage pumps

NO.	MODEL	POWER		Q(m³/h)	0	9	18	27	36	45	54	63	72	81	90	99	108
		kW	HP	Q(l/min)	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800
G	**80WQH1100**	1.1	1.5	H	10.5	8	5.5	3.3									
H	**80WQH1500**	1.5	2		13	10.8	8.5	4.2	4								
I	**80WQH2200**	2.2	3		16	13.8	11.5	8.2	5.8								
J	**80WQH3000**	3	4		18.5	18.3	17.5	16.4	15.4	14	12.3	10	8	5.2			
K	**80WQH4000**	4	5.5		21.5	20.9	20	19	18	16.8	15.2	13	10.5	8	5.5		
L	**80WQH5500**	5.5	7.5		28	26.9	25.6	24.3	23.3	22.2	20.7	19	16.8	13.9	11	7.2	
M	**80WQH7500**	7.5	10		33.5	32.7	31.6	30.1	28.7	27.6	26.7	25.2	22.9	20.1	17	14.3	8

PERFORMANCE CHART AT n=2850RPM



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	9	18	27	36	45	54	63	72	81	90	99	108	117	126
		kW	HP	Q(l/min)	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
N	**100WQH3000**	3	4	H	15	14.8	14	13.6	13	12.4	11.5	10.4	9	7.2	5.9				
O	**100WQH4000**	4	5.5		18	17.8	17.3	16.5	16	15.3	14.5	13.4	12.2	10.6	8.8	7.3	6		
P	**100WQH5500**	5.5	7.5		24	23	22.4	21.9	20.7	19.6	18.8	18.1	17.2	15.7	13.5	11.8	9.8	7.5	
Q	**100WQH7500**	7.5	10		29.5	28.7	28.1	27.5	26.2	25.3	24.5	23.6	22.6	21.1	19	17.3	14.8	11.7	8.2

NO.	MODEL	POWER		Q(m³/h)	0	24	48	72	96	120	144	168
		kW	HP	Q(l/min)	0	400	800	1200	1600	2000	2400	2800
R	**150WQH5500**	5.5	7.5	H	19	17.9	16.9	15.2	13	10.3	7	
S	**150WQH7500**	7.5	10		23	21.7	20.5	19.1	17.2	14.6	11.4	7.8

NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
A	**50WQH550**	2"	40	18.5	240×305×475
B	**50WQH750**	2"	40	19.5	240×305×475
C	**50WQH3000**	2"	19	51	300×270×555
D	**50WQH4000**	2"	19	57	300×270×570
E	**50WQH5500**	2"	16	75	325×295×650
F	**50WQH7500**	2"	16	80.5	325×295×650
G	**80WQH1100**	3"	40	28.2	323×305×520
H	**80WQH1500**	3"	40	29.4	323×305×520
I	**80WQH2200**	3"	40	31	323×305×520
J	**80WQH3000**	3"	25	55	310×290×645

NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
K	**80WQH4000**	3"	25	60	310×290×660
L	**80WQH5500**	3"	25	76	340×300×690
M	**80WQH7500**	3"	25	82	340×300×690
N	**100WQH3000**	4"	30	56	335×305×605
O	**100WQH4000**	4"	30	62	335×305×615
P	**100WQH5500**	4"	30	78	385×330×710
Q	**100WQH7500**	4"	30	83.5	385×330×710
R	**150WQH5500**	6"	35	87	490×360×740
S	**150WQH7500**	6"	35	93	490×360×740

WQ-B

Submersible sewage pumps

WQ-B

www.happypump.com

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partical up to a maximum of Φ35mm.

Motor

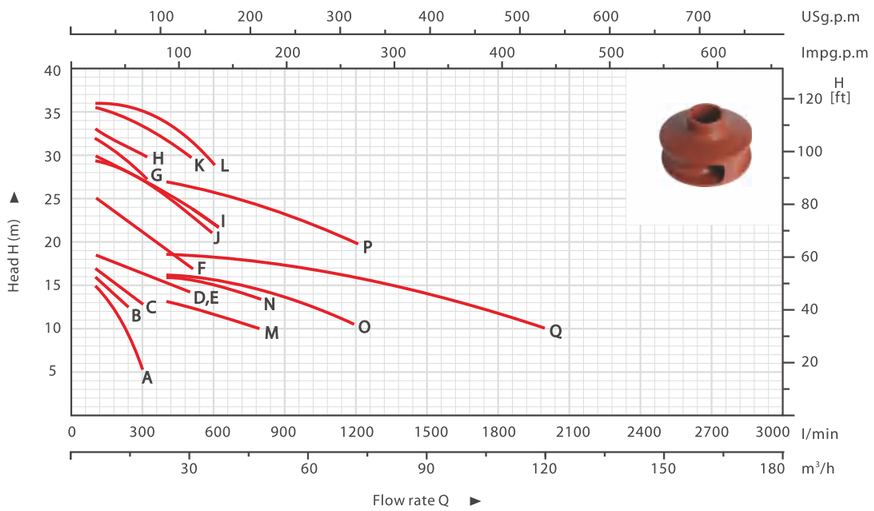
- Two-pole induction motor(n=2850 r.p.m)
- Insulation **Class B**
- Protection **IP68**
- Continuous service **S1**
- Thermal protector
- Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- **5 m** maximum immersion depth
- Liquid temperature up to **35 ℃**
- Maximum ambient temperature **40 ℃**

Component	Construction
Pump body:	Cast iron
Motor housing:	Cast iron
Impeller:	Cast iron
Motor shaft:	AISI304 SS
Mechanical seal:	Alloy/SIC
Cable:	8 m power cable

PERFORMANCE CHART AT n=2850RPM



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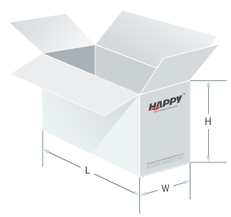
WQ-B

Submersible sewage pumps

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	6 / 100	12 / 200	18 / 300	24 / 400	30 / 500	36 / 600
A	**WQ15-12-1.1B**	1.1	1.5	H	17	15	11.5	5.5			
B	**WQ7-15-1.1B**	1.1	1.5		17.5	16	13.5				
C	**WQ15-15-1.5B**	1.5	2		19.5	17	15	13			
D	**WQ15-20-2.2B**	2.2	3		20	18.5	17.5	16.5			
E	**WQ27-15-2.2B**	2.2	3		20	18.5	17.5	16.5	15.5	14	
F	**WQ25-20-3B**	3	4		27	25	23	21	19	17	
G	**WQ15-30-3B**	3	4		34	32	30	27.5			
H	**WQ15-32-4B**	4	5.5		35	33	31.5	30			
I	**WQ25-26-4B**	4	5.5		31.5	30	28	27	25.5	23.5	
J	**WQ30-22-4B**	4	5.5		31.5	29.8	28.5	27	25.5	23	21
K	**WQ25-32-5.5B**	5.5	7.5		37.5	35.5	34.3	33.3	31.8	30	
L	**WQ30-30-5.5B**	5.5	7.5		38	36	35.5	35	33.5	31.8	29

NO.	MODEL	POWER kW	POWER HP	Q(m³/h) / Q(l/min)	0 / 0	24 / 400	48 / 800	72 / 1200	96 / 1600	120 / 2000	144 / 2400
M	**WQ40-10-2.2B**	2.2	3	H	17.5	13.2	10				
N	**WQ43-13-3B**	3	4		21	16	13.5				
O	**WQ60-11-4B**	4	5.5		20.5	16	14.5	10.5			
P	**WQ65-20-7.5B**	7.5	10		32	27	24	20			
Q	**WQ100-12-7.5B**	7.5	10		21	18.8	17.5	16	13.2	10	

NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	BEARING (RZ)	N.W (Kg)	L x W x H (mm)
A	**WQ15-12-1.1B**	$2\frac{1}{2}$"	20	6203/6204	33	260×220×550
B	**WQ7-15-1.1B**	2"	5	6203/6204	33	260×220×550
C	**WQ15-15-1.5B**	2"	20	6204/6205*2	37	255×205×560
D	**WQ15-20-2.2B**	2"	20	6204/6205*2	43	260×210×575
E	**WQ27-15-2.2B**	$2\frac{1}{2}$"	25	6204/6205*2	46	260×210×575
F	**WQ25-20-3B**	$2\frac{1}{2}$"	25	6205/6206*2	51	305×255×625
G	**WQ15-30-3B**	2"	20	6205/6206*2	48.5	305×255×625
H	**WQ15-32-4B**	2"	20	6206/6207*2	58.5	365×265×675
I	**WQ25-26-4B**	$2\frac{1}{2}$"	25	6206/6207*2	58.5	365×265×675
J	**WQ30-22-4B**	3"	25	6206/6207*2	66.5	365×265×675
K	**WQ25-32-5.5B**	$2\frac{1}{2}$"	25	6206/6207*2	68.5	365×265×705
L	**WQ30-30-5.5B**	3"	25	6206/6207*2	73	365×265×705
M	**WQ40-10-2.2B**	3"	25	6204/6205*2	43	260×210×575
N	**WQ43-13-3B**	3"	25	6205/6206*2	48.5	305×255×625
O	**WQ60-11-4B**	4"	30	6206/6207*2	62.5	365×265×675
P	**WQ65-20-7.5B**	4"	30	6307/6308*2	103	410×320×765
Q	**WQ100-12-7.5B**	6"	35	6307/6308*2	103	410×320×765



WQ

Submersible sewage pumps

WQ0.75-2.2

WQ3.0-7.5

HAPPY®
www.happypump.com

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of Φ35mm.

Motor

※ Two-pole induction motor(n=2850 r.p.m)
※ Insulation **Class B**
※ Protection **IP68**
※ Continuous service **S1**
※ Thermal protector for single phase
※ Single-phase 220V/50Hz, 60Hz if request
※ Three-phase 380V/50Hz, 60Hz if request

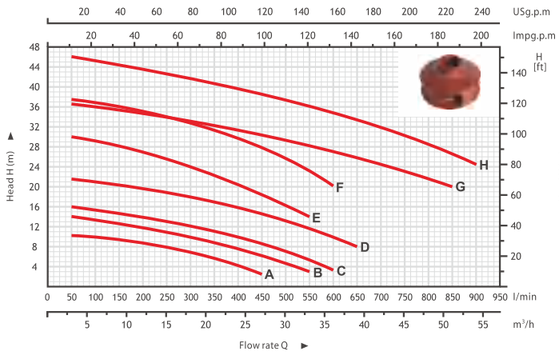
Operating conditions

※ **5 m** maximum immersion depth
※ Liquid temperature up to **35 ℃**
※ Maximum ambient temperature **40 ℃**

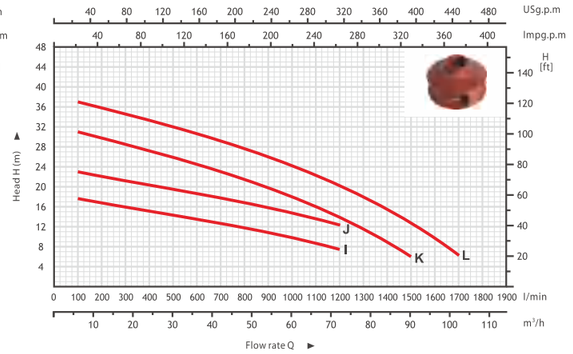
Component / Construction

※ **Pump body:** Cast iron
※ **Motor housing:** Cast iron
※ **Impeller:** Cast iron
※ **Motor shaft:** AISI304 SS
※ **Mechanical seal:** SIC-SIC/Ceramic-Graphite(0.75~2.2kW)
Alloy/Ceramic-Graphite(3~7.5kW)
※ **Cable:** 8 m power cable

PERFORMANCE CHART AT n=2850RPM



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57
		kW	HP	Q(l/min)	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
A	**50WQ0.75**	0.75	1	H	11	10.2	9.6	9	8.5	7.8	7	6	4.5	2.5										
B	**50WQ1.1**	1.1	1.5		15	14	13.25	12.44	11.85	11	10.3	9.3	8.2	6.7	5.1	2.8								
C	**50WQ1.5**	1.5	2		17	15.9	15.1	14.3	13.5	12.7	12	11	10	8.8	7.2	5.4	3.3							
D	**50WQ2.2**	2.2	3		22	21.5	20.8	20.1	19.4	18.6	17.9	17	16	14.9	13.5	11.9	10	8						
E	**50WQ3.0**	3	4		31	30.3	29.3	27.9	26.68	25.48	24	22.29	20.49	18.5	16.2	14								
F	**50WQ4.0**	4	5.5		38.5	37.6	36.7	35.7	34.7	33.5	32.36	31	29.8	28	25.8	23.5	20.19							
G	**50WQ5.5**	5.5	7.5		36.5	36.3	36	35.5	35	34	33	32	31.2	30.2	29.25	28	26.5	25.2	23.8	22.5	21	19		
H	**50WQ7.5**	7.5	10		47.5	46	45	44	43	42	41	40	39	38	37	35.5	34.2	33	32	30.3	28.5	26.5	24.5	21.5

WQ

Submersible sewage pumps

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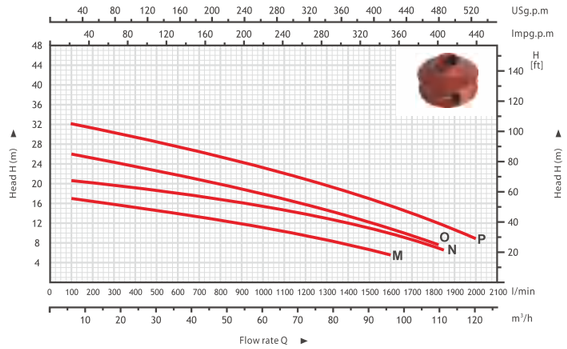
NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
		kW	HP	Q(l/min)	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
I	**80WQ3.0**	3	4	H	20	17.8	16.2	15.03	14.66	14.36	14.17	13.38	12.38	11.54	10.13	9	7.5					
J	**80WQ4.0**	4	5.5		24.5	23.1	21.36	19.91	19.04	18.4	18.02	17.51	16.66	15.73	14.59	13.74	12.3	11.1				
K	**80WQ5.5**	5.5	7.5		33	31	29	27	25	24	23	22	21.5	20	18	16	14	12	9	6		
L	**80WQ7.5**	7.5	10		39	37	35.5	34	32.5	31	29.5	28	27	26	24.5	22.5	20.5	18.3	16	13	10	6.5

PERFORMANCE CHART AT n=2850RPM



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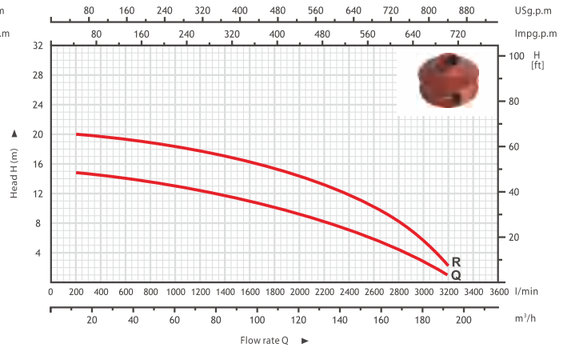

NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	112
		kW	HP	Q(l/min)	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1850
M	**100WQ3.0**	3	4	H	18.5	16.9	15.7	14.9	14.33	13.93	13.72	13.32	12.82	12.16	11.36	10.51	9.63	8.73	7.84	6.8	5.46	
N	**100WQ4.0**	4	5.5		22	20.5	19.3	18.34	17.4	17	16.83	16.48	16.25	15.65	14.94	14.19	13.29	12.56	11.72	11	10	6.5
O	**100WQ5.5**	5.5	7.5		27.5	26	24.5	23.2	22.2	21.5	20.7	19.8	19.1	18.3	17.7	17	16.2	15.2	14	12.5	11.3	6.8
P	**100WQ7.5**	7.5	10		33	32	30.8	29.5	28.5	27.5	26.5	25.5	24.5	23.7	22.9	22.1	21.1	20.1	19.1	17.7	15.9	9

NO.	MODEL	POWER		Q(m³/h)	0	24	48	60	72	84	96	108	120	132	144	156	168	180	192
		kW	HP	Q(l/min)	0	400	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200
Q	**150WQ5.5**	5.5	7.5	H	15.5	14.3	12.9	12.2	11.4	10.9	10.2	9.5	8.8	8	7.3	6.6	5.8	3.6	0.8
R	**150WQ7.5**	7.5	10		21	19.3	17.9	17.23	16.5	15.9	15.4	14.9	14.3	13.7	12.9	11.9	10.6	8.1	2

NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
A	**50WQ0.75**	2"	20	23	215×265×480
B	**50WQ1.1**	2"	20	24	215x265x480
C	**50WQ1.5**	2"	20	26	215x265x525
D	**50WQ2.2**	2"	20	27.5	215x265x525
E	**50WQ3.0**	2"	20	56	295x360x672
F	**50WQ4.0**	2"	20	61.8	275x325x675
G	**50WQ5.5**	2"	20	81	330x360x760
H	**50WQ7.5**	2"	20	88	338x360x780
I	**80WQ3.0**	3"	20	56.5	285×370×695

NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
J	**80WQ4.0**	3"	20	62	285x360x712
K	**80WQ5.5**	3"	35	80	300×370×780
L	**80WQ7.5**	3"	35	86	300×370×790
M	**100WQ3.0**	4"	20	56	285×365×638
N	**100WQ4.0**	4"	20	60.5	290×370×710
O	**100WQ5.5**	4"	35	81	300×420×770
P	**100WQ7.5**	4"	35	87	300×420×790
Q	**150WQ5.5**	6"	35	88	345×405×1100
R	**150WQ7.5**	6"	35	94	345×405×1100

WQ

Submersible sewage pumps

WQ

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of Φ100mm

Motor

※ Two-pole induction motor(n=2850 r.p.m)
※ Insulation **Class B**
※ Protection **IP68**
※ Continuous service **S1**
※ Thermal protector
※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

※ **8 m** maximum immersion depth
※ Liquid temperature up to **35 ℃**
※ Maximum ambient temperature **40 ℃**

Component / Construction

※ **Pump body:** Cast iron
※ **Motor housing:** Cast iron
※ **Impeller:** Cast iron
※ **Motor shaft:** AISI304 SS
※ **Mechanical seal:** Alloy/Ceramic-Graphite
※ **Cable:** 8 m power cable

NO.	MODEL	POWER		SPEED	VIT.	FREQ.	Q.RATE		H.RATE	OUTLET
		kW	HP	(R/min)	(V)	(Hz)	(m^3/h)	(L/min)	(m)	(Inch)
1	**100WQ100-25-11**	11	15	1450	380	50	100	1666	25	4
2	**150WQ180-11-11**	11	15	1450	380	50	180	3000	11	6
3	**200WQ300-7-11**	11	15	1450	380	50	300	5000	7	8
4	**250WQ400-5-11**	11	15	1450	380	50	400	6666	5	10
5	**100WQ100-30-15**	15	20	1450	380	50	100	1666	30	4
6	**150WQ200-15-15**	15	20	1450	380	50	200	3333	15	6
7	**200WQ250-11-15**	15	20	1450	380	50	250	4166	11	8
8	**250WQ500-5-15**	15	20	1450	380	50	500	8333	5	10
9	**100WQ100-35-18.5**	18.5	25	1450	380	50	100	1666	35	4
10	**150WQ180-20-18.5**	18.5	25	1450	380	50	180	3000	20	6

WQ

Submersible sewage pumps

NO.	MODEL	POWER		SPEED	VIT.	FREQ.	Q.RATE		H.RATE	OUTLET
		kW	HP	(R/min)	(V)	(Hz)	(m^3/h)	(L/min)	(m)	(Inch)
11	**200WQ250-15-18.5**	18.5	25	1450	380	50	250	4166	15	8
12	**200WQ350-10-18.5**	18.5	25	1450	380	50	350	5833	10	8
13	**250WQ500-7-18.5**	18.5	25	1450	380	50	500	8333	7	10
14	**300WQ650-5-18.5**	18.5	25	1450	380	50	650	10833	5	12
15	**100WQ100-40-22**	22	29	1450	380	50	100	1666	40	4
16	**150WQ200-22-22**	22	29	1450	380	50	200	3333	22	6
17	**200WQ300-16-22**	22	29	1450	380	50	300	5000	16	8
18	**200WQ400-10-22**	22	29	1450	380	50	400	6666	10	8
19	**250WQ500-9-22**	22	29	1450	380	50	500	8333	9	10
20	**300WQ650-7-22**	22	29	1450	380	50	650	10833	7	12
21	**100WQ120-45-30**	30	40	1450	380	50	120	2000	45	4
22	**150WQ180-30-30**	30	40	1450	380	50	180	3000	30	6
23	**200WQ250-22-30**	30	40	1450	380	50	250	4166	22	8
24	**250WQ500-12-30**	30	40	1450	380	50	500	8333	12	10
25	**250WQ600-9-30**	30	40	1450	380	50	600	10000	9	10
26	**300WQ1000-6-30**	30	40	980	380	50	1000	16666	6	12
27	**300WQ800-7-30**	30	40	1450	380	50	800	13333	7	12
28	**350WQ1500-4-30**	30	40	980	380	50	1500	25000	4	14
29	**100WQ120-50-37**	37	49	1450	380	50	120	2000	50	4
30	**150WQ200-35-37**	37	49	1450	380	50	200	3333	35	6
31	**200WQ300-28-37**	37	49	1450	380	50	300	5000	28	8
32	**200WQ350-25-37**	37	49	1450	380	50	350	5833	25	8
33	**250WQ600-12-37**	37	49	1450	380	50	600	10000	12	10
34	**300WQ800-9-37**	37	49	1450	380	50	800	13333	9	12
35	**350WQ1000-6-37**	37	49	1450	380	50	1000	16666	6	14
36	**350WQ1100-6-37**	37	49	980	380	50	1100	18333	6	14
37	**400WQ1300-5-37**	37	49	980	380	50	1300	21666	5	16
38	**100WQ100-57-45**	45	60	1450	380	50	100	1666	57	4
39	**150WQ200-40-45**	45	60	1450	380	50	200	3333	40	6
40	**200WQ300-32-45**	45	60	1450	380	50	300	5000	32	8
41	**200WQ400-25-45**	45	60	1450	380	50	400	6666	25	8
42	**250WQ600-15-45**	45	60	1450	380	50	600	10000	15	10
43	**300WQ800-12-45**	45	60	1450	380	50	800	13333	12	12
44	**350WQ1200-8-45**	45	60	1450	380	50	1200	20000	8	14
45	**350WQ1300-8-45**	45	60	980	380	50	1300	21666	8	14
46	**400WQ1700-6-45**	45	60	980	380	50	1700	28333	6	16
47	**100WQ100-65-55**	55	73	1450	380	50	100	1666	65	4
48	**150WQ180-50-55**	55	73	1450	380	50	180	3000	50	6
49	**200WQ300-40-55**	55	73	1450	380	50	300	5000	40	8

WQ

Submersible sewage pumps

NO.	MODEL	POWER		SPEED	VIT.	FREQ.	Q.RATE		H.RATE	OUTLET
		kW	HP	(R/min)	(V)	(Hz)	(m^3/h)	(L/min)	(m)	(Inch)
50	**200WQ400-30-55**	55	73	1450	380	50	400	6666	30	8
51	**250WQ600-20-55**	55	73	1450	380	50	600	10000	20	10
52	**300WQ800-15-55**	55	73	1450	380	50	800	13333	15	12
53	**350WQ1000-10-55**	55	73	1450	380	50	1000	16666	10	14
54	**350WQ1100-10-55**	55	73	980	380	50	1100	18333	10	14
55	**400WO1300-8-55**	55	73	1450	380	50	1300	21666	8	16
56	**400WQ1500-8-55**	55	73	980	380	50	1500	25000	8	16
57	**500WQ2200-5-55**	55	73	740	380	50	2200	36666	5	20
58	**100WQ120-75-75**	75	100	1450	380	50	120	2000	75	4
59	**150WQ200-60-75**	75	100	1450	380	50	200	3333	60	6
60	**200WQ350-45-75**	75	100	1450	380	50	350	5833	45	8
61	**250WQ600-25-75**	75	100	1450	380	50	600	10000	25	10
62	**300WQ800-20-75**	75	100	1450	380	50	800	13333	20	12
63	**350WQ1000-15-75**	75	100	1450	380	50	1000	16666	15	14
64	**350WQ1500-12-75**	75	100	980	380	50	1500	25000	12	14
65	**400WQ1300-13-75**	75	100	1450	380	50	1300	21666	13	16
66	**400WQ1700-10-75**	75	100	980	380	50	1700	28333	10	16
67	**500WQ2000-8-75**	75	100	980	380	50	2000	33333	8	20
68	**500WQ2700-6-75**	75	100	740	380	50	2700	45000	6	20
69	**100WQ200-85-90**	90	120	1450	380	50	200	3333	85	4
70	**150WQ200-70-90**	90	120	1450	380	50	200	3333	70	6
71	**200WO300-60-90**	90	120	1450	380	50	300	5000	60	8
72	**200WQ400-50-90**	90	120	1450	380	50	400	6666	50	8
73	**250WQ600-30-90**	90	120	1450	380	50	600	10000	30	10
74	**300WQ800-25-90**	90	120	1450	380	50	800	13333	25	12
75	**350WQ1000-18-90**	90	120	1450	380	50	1000	16666	18	14
76	**350WQ1200-18-90**	90	120	980	380	50	1200	20000	18	14
77	**400WQ1300-16-90**	90	120	1450	380	50	1300	21666	16	16
78	**400WQ1500-15-90**	90	120	980	380	50	1500	25000	15	16
79	**500WO2500-8-90**	90	120	740	380	50	2500	41666	8	20
80	**500WQ2000-10-90**	90	120	980	380	50	2000	33333	10	20
81	**600WQ3000-6-90**	90	120	740	380	50	3000	50000	6	24
82	**100WQ100-100-110**	110	147	1450	380	50	100	1666	100	4
83	**150WQ180-80-110**	110	147	1450	380	50	180	3000	80	6
84	**200WQ300-65-110**	110	147	1450	380	50	300	5000	65	8
85	**250WQ600-40-110**	110	147	1450	380	50	600	10000	40	10
86	**300WQ1000-25-110**	110	147	1450	380	50	1000	16666	25	12
87	**350WQ1300-20-110**	110	147	1450	380	50	1300	21666	20	14
88	**350WQ1600-16-110**	110	147	980	380	50	1600	26666	16	14
89	**400WQ1500-17-110**	110	147	1450	380	50	1500	25000	17	16
90	**400WQ1800-15-110**	110	147	980	380	50	1800	30000	15	16
91	**500WQ2500-10-110**	110	147	980	380	50	2500	41666	10	20
92	**500WQ3000-8-110**	110	147	740	380	50	3000	50000	8	20
93	**600WQ3200-7-110**	110	147	980	380	50	3200	53333	7	24
94	**600WQ3800-6-110**	110	147	740	380	50	3800	63333	6	24
95	**150WQ200-90-132**	132	176	1450	380	50	200	3333	90	6
96	**200WQ400-75-132**	132	176	1450	380	50	400	6666	75	8
97	**250WQ600-50-132**	132	176	1450	380	50	600	10000	50	10
98	**300WQ800-36-132**	132	176	1450	380	50	800	13333	36	12

WQ

Submersible sewage pumps

NO.	MODEL	POWER		SPEED	VIT.	FREQ.	Q.RATE		H.RATE	OUTLET
		kW	HP	(R/min)	(V)	(Hz)	(m^3/h)	(L/min)	(m)	(Inch)
99	**350WQ1100-28-132**	132	176	1450	380	50	1100	18333	28	14
100	**350WQ1500-20-132**	132	176	980	380	50	1500	25000	20	14
101	**400WQ1700-16-132**	132	176	1450	380	50	1700	28333	16	16
102	**400WQ2000-15-132**	132	176	980	380	50	2000	33333	15	16
103	**500WQ2800-10-132**	132	176	980	380	50	2800	46666	10	20
104	**500WQ3100-10-132**	132	176	740	380	50	3100	51666	10	20
105	**600WQ3700-8-132**	132	176	980	380	50	3700	61666	8	24
106	**600WQ4000-8-132**	132	176	740	380	50	4000	75000	8	24
107	**150WQ220-100-160**	160	213	1450	380	50	220	3666	100	6
108	**200WQ400-85-160**	160	213	1450	380	50	400	6666	85	8
109	**250WQ600-60-160**	160	213	1450	380	50	600	10000	60	10
110	**300WQ800-40-160**	160	213	1450	380	50	800	13333	40	12
111	**350WQ1000-35-160**	160	213	1450	380	50	1000	16666	35	14
112	**350WQ1200-35-160**	160	213	980	380	50	1200	20000	35	14
113	**400WQ1600-20-160**	160	213	1450	380	50	1600	26666	20	16
114	**400WQ1600-22-160**	160	213	980	380	50	1600	26666	22	16
115	**500WQ2600-16-160**	160	213	980	380	50	2600	43333	16	20
116	**500WQ3000-14-160**	160	213	740	380	50	3000	50000	14	20
117	**600WQ3700-10-160**	160	213	980	380	50	3700	61666	10	24
118	**600WQ4000-10-160**	160	213	740	380	50	4000	66666	10	24
119	**200WQ400-90-185**	185	247	1450	380	50	400	6666	90	8
120	**250WQ600-70-185**	185	247	1450	380	50	600	10000	70	10
121	**300WQ900-40-185**	185	247	1450	380	50	900	15000	40	12
122	**350WQ1100-38-185**	185	247	1450	380	50	1100	18333	38	14
123	**400WQ1600-25-185**	185	247	1450	380	50	1600	26666	25	16
124	**400WQ2000-20-185**	185	247	980	380	50	2000	33333	20	16
125	**500WQ3000-15-185**	185	247	980	380	50	3000	50000	15	20
126	**600WQ3700-12-185**	185	247	980	380	50	3700	61666	12	24
127	**250WQ750-75-200**	200	267	1450	380	50	1000	16666	75	10
128	**300WQ1000-45-200**	200	267	1450	380	50	1000	16666	45	12
129	**350WQ1300-35-200**	200	267	1450	380	50	1300	21666	35	14
130	**400WQ1500-30-200**	200	267	1450	380	50	1500	25000	30	16
131	**400WQ2300-22-200**	200	267	980	380	50	2300	38333	22	16
132	**500WQ3500-15-200**	200	267	980	380	50	3500	58333	15	20
133	**600WQ4500-12-200**	200	267	980	380	50	4500	75000	12	24
134	**300WQ1100-45-250**	250	333	1450	380	50	1100	18333	45	12
135	**350WQ1500-36-250**	250	333	1450	380	50	1500	25000	36	14
136	**400WQ1800-30-250**	250	333	1450	380	50	1800	30000	30	16
137	**400WQ2200-28-250**	250	333	980	380	50	2200	36666	28	16
138	**500WQ3000-21-250**	250	333	980	380	50	3000	50000	21	20
139	**600WQ4000-18-250**	250	333	980	380	50	4000	66666	18	24
140	**300WQ1000-55-315**	315	420	1450	380	50	1000	16666	55	12
141	**350WQ1500-45-315**	315	420	1450	380	50	1500	25000	45	14
142	**400WQ2000-36-315**	315	420	980	380	50	2000	33333	36	16
143	**500WQ3500-25-315**	315	420	980	380	50	3500	58333	25	20
144	**600WQ4500-20-315**	315	420	980	380	50	4500	75000	20	24
145	**500WQ3000-35-400**	400	533	980	380	50	3000	50000	35	20
146	**600WQ5000-22-400**	400	533	980	380	50	5000	83333	22	24
147	**500WQ4000-32-550**	550	733	980	380	50	4000	66666	32	20
148	**600WQ5500-25-550**	550	733	980	380	50	5500	83333	25	24

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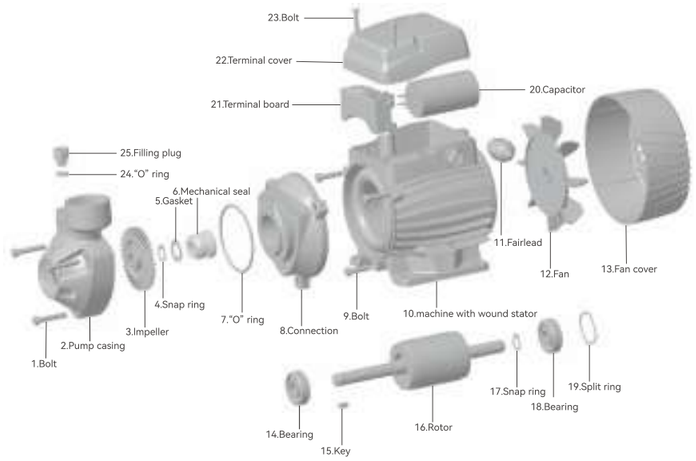
HPm



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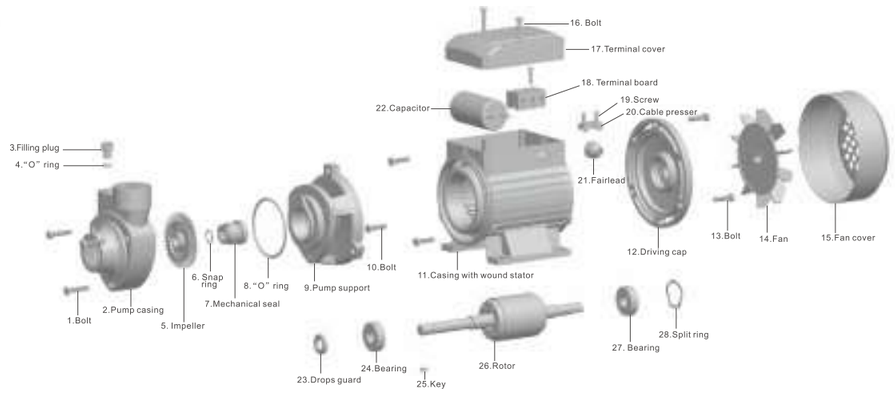

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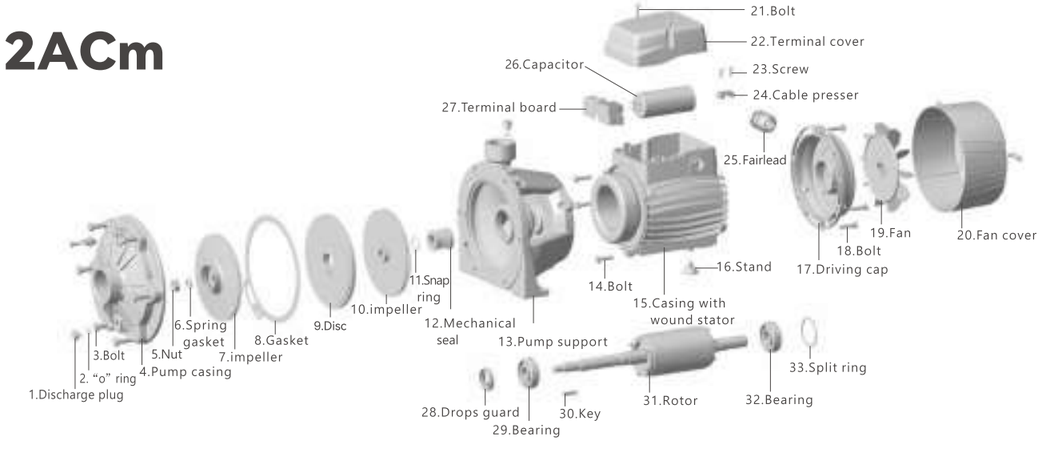

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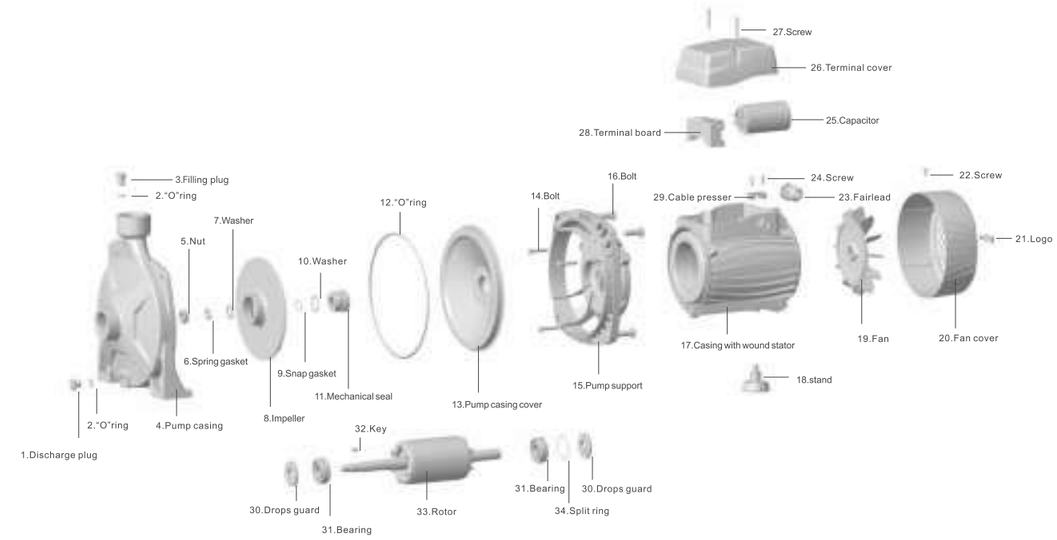
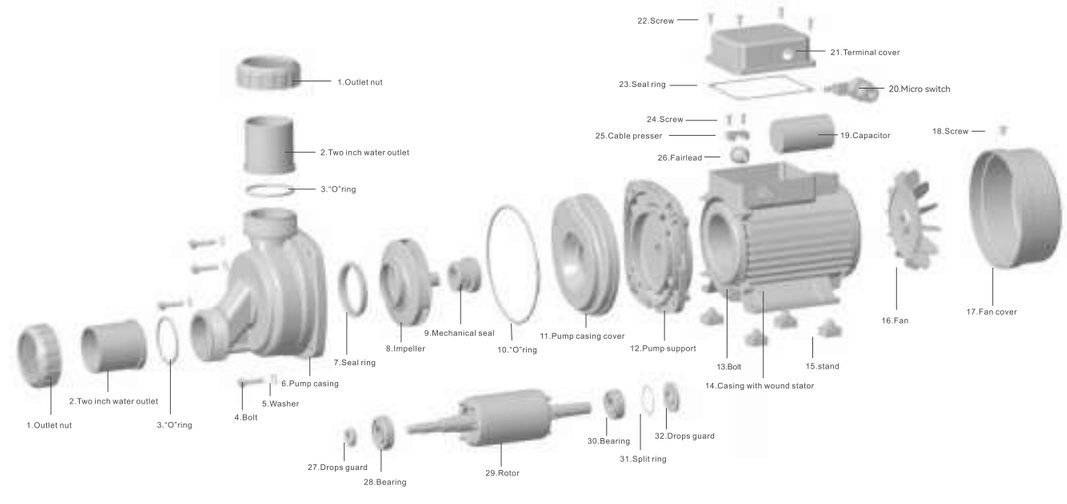
ACm



HSPA



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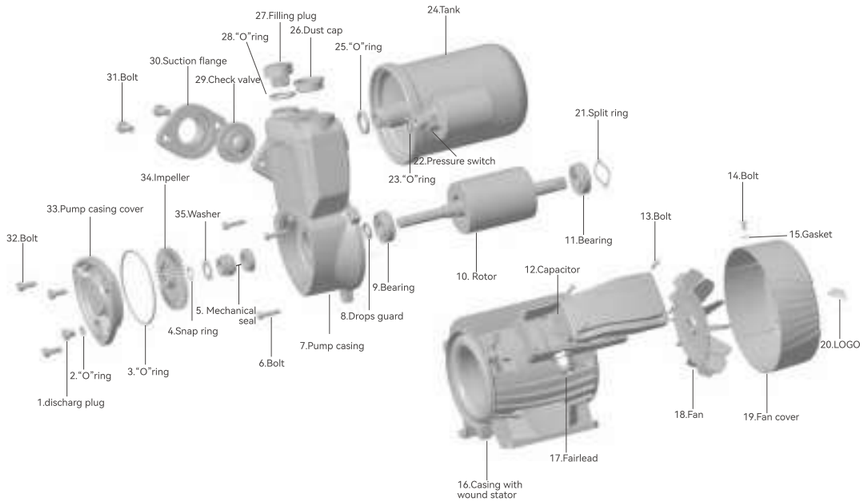

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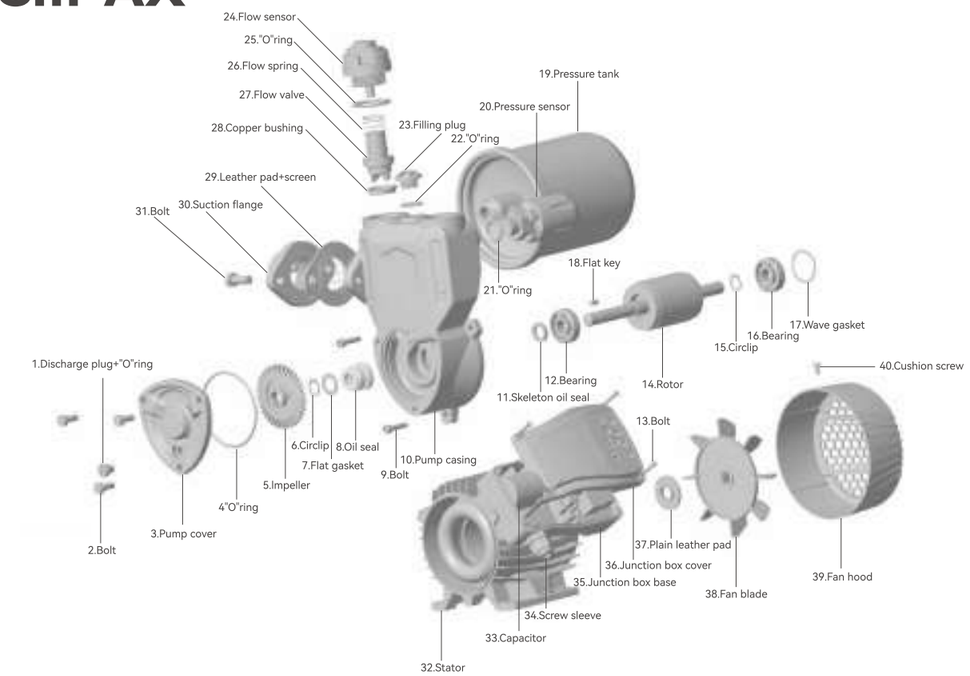

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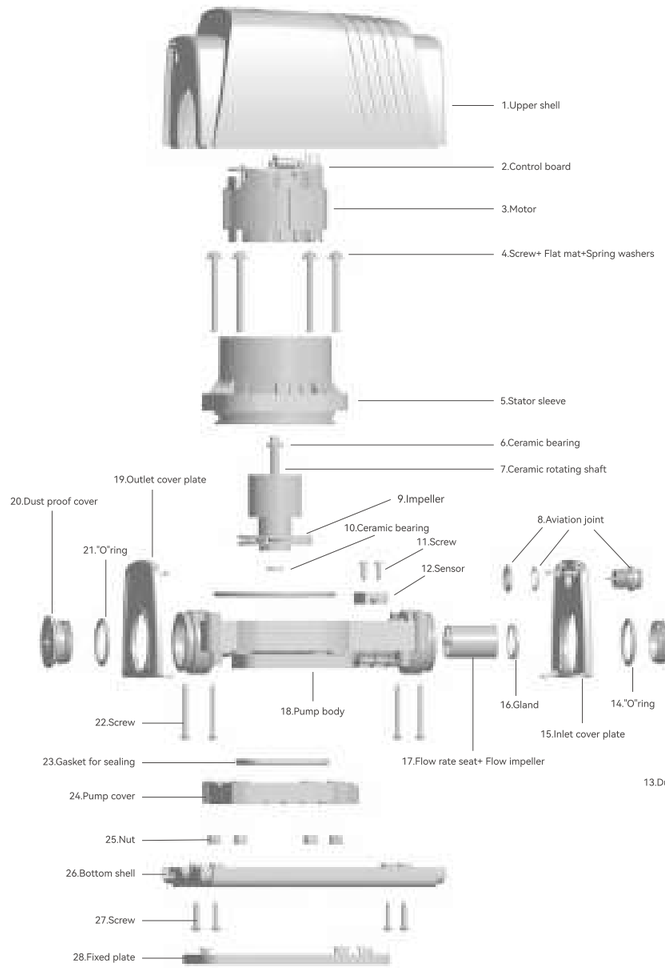

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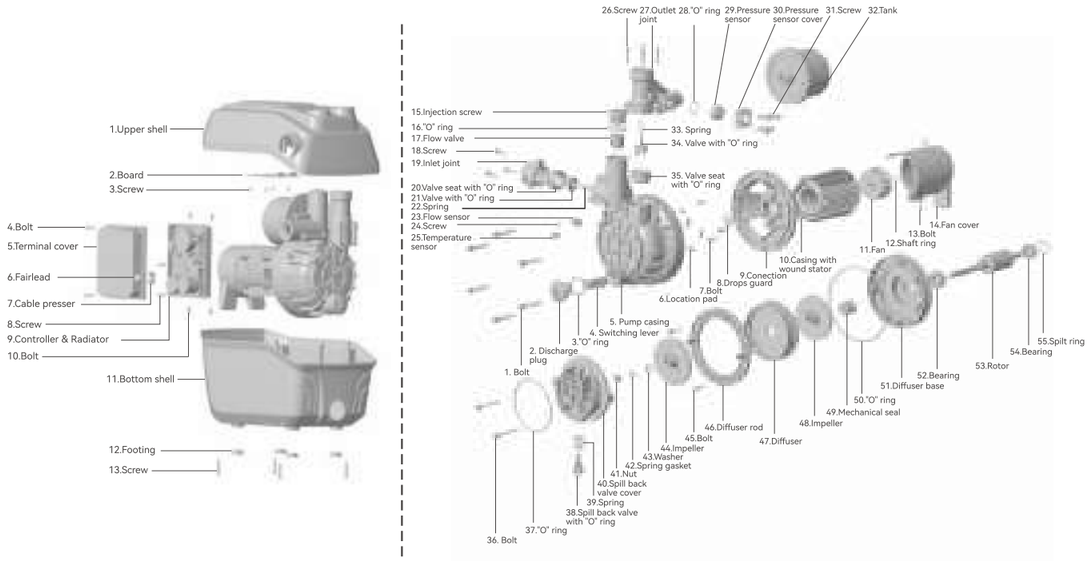

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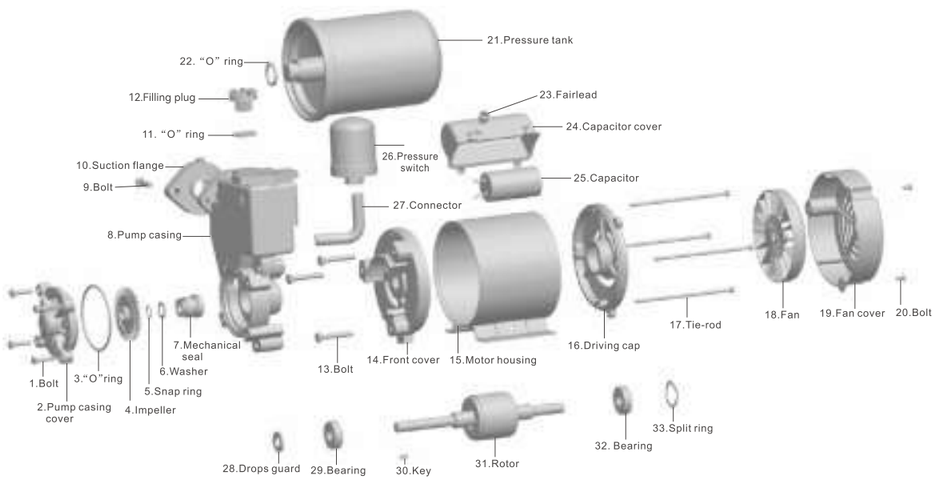

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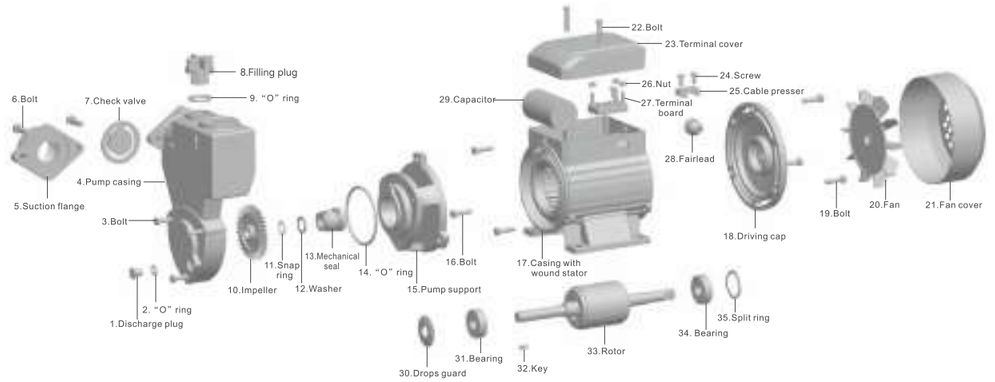
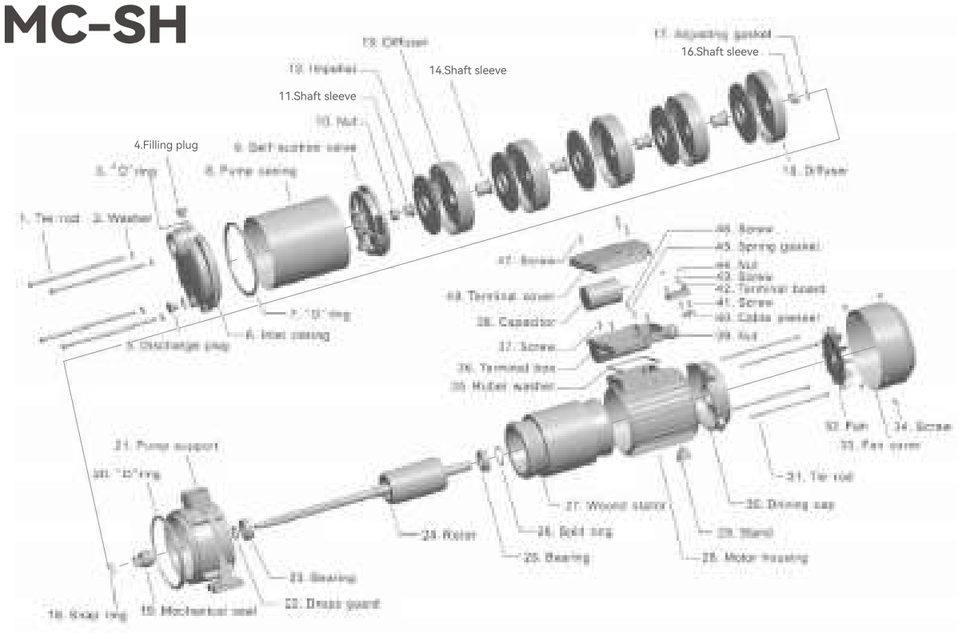


HMC-SH



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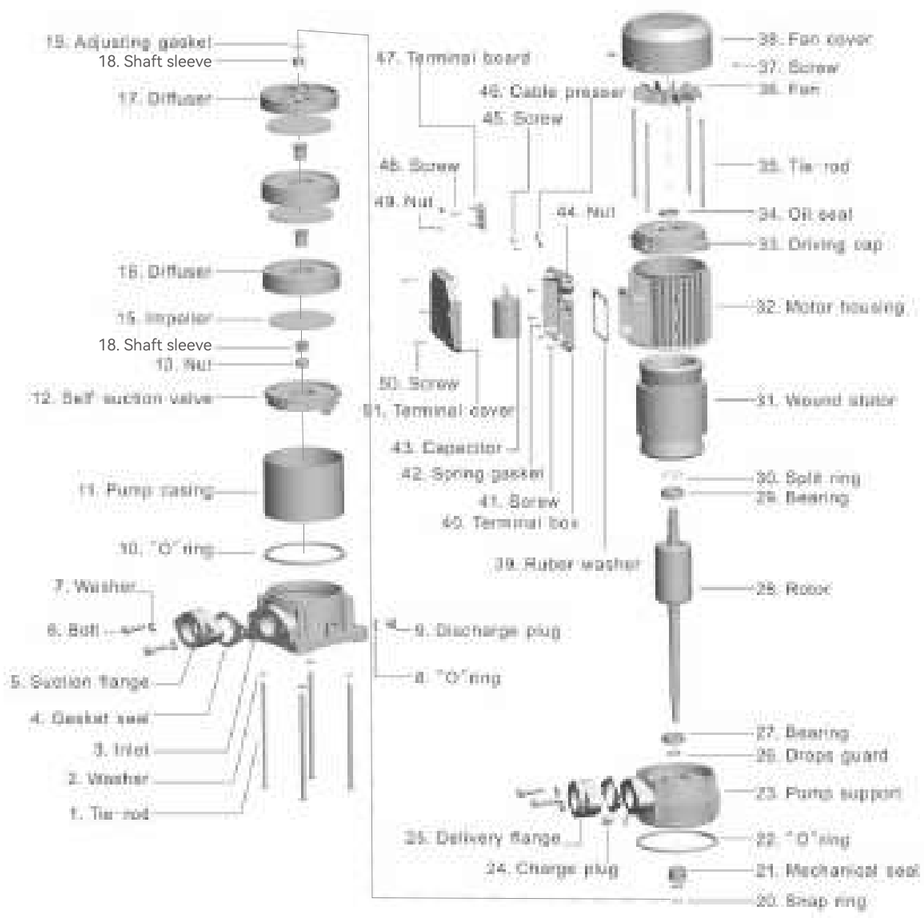

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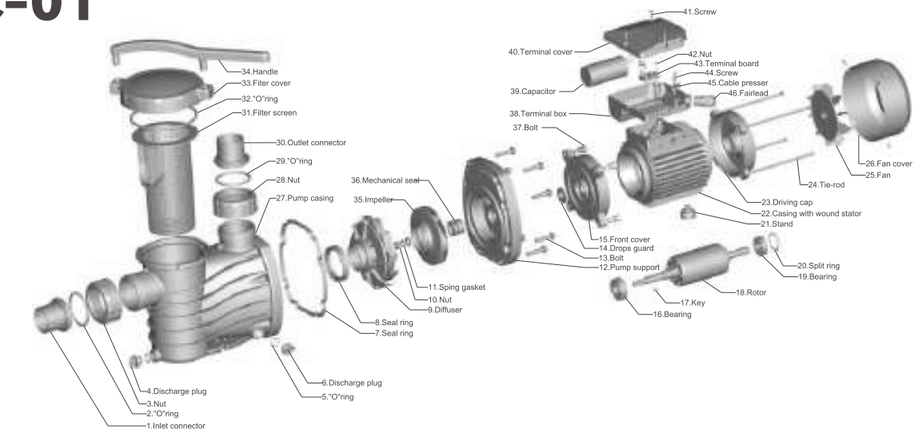

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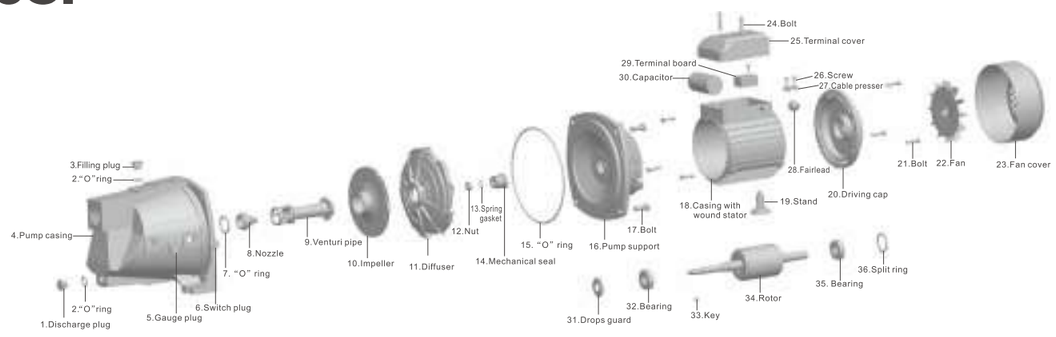

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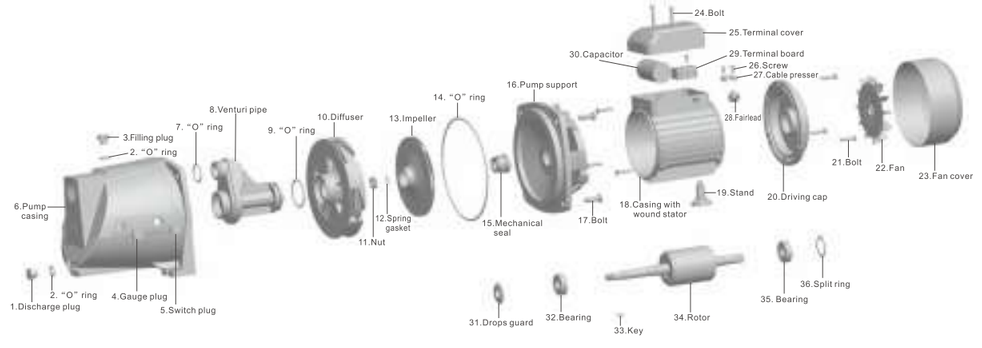

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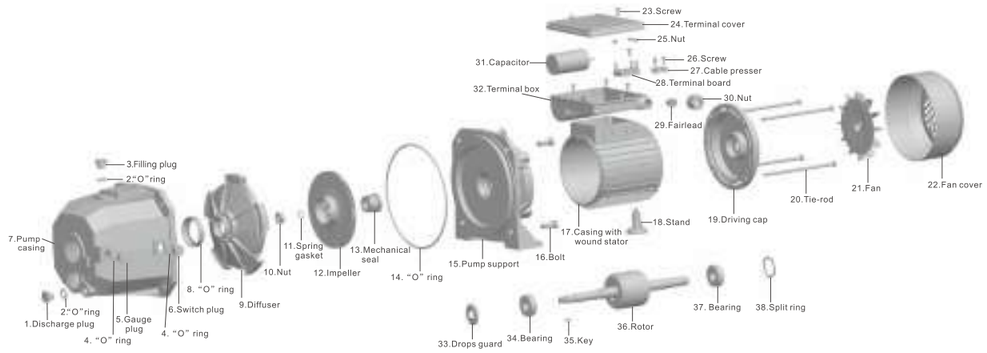
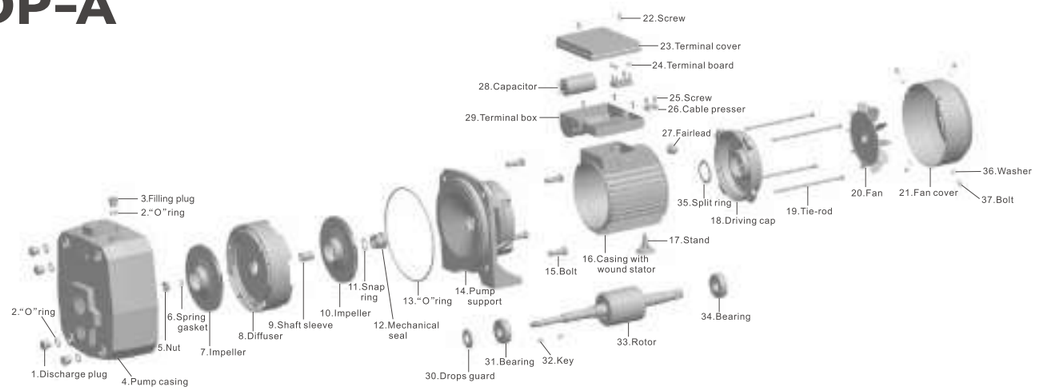
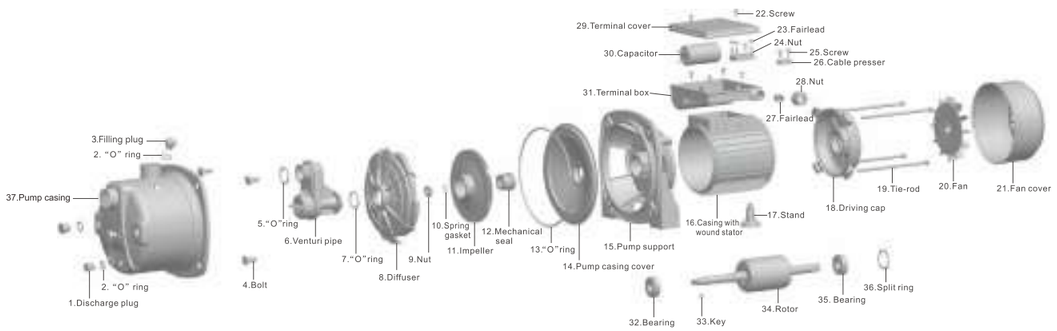
JETDP



DP-A



SJET



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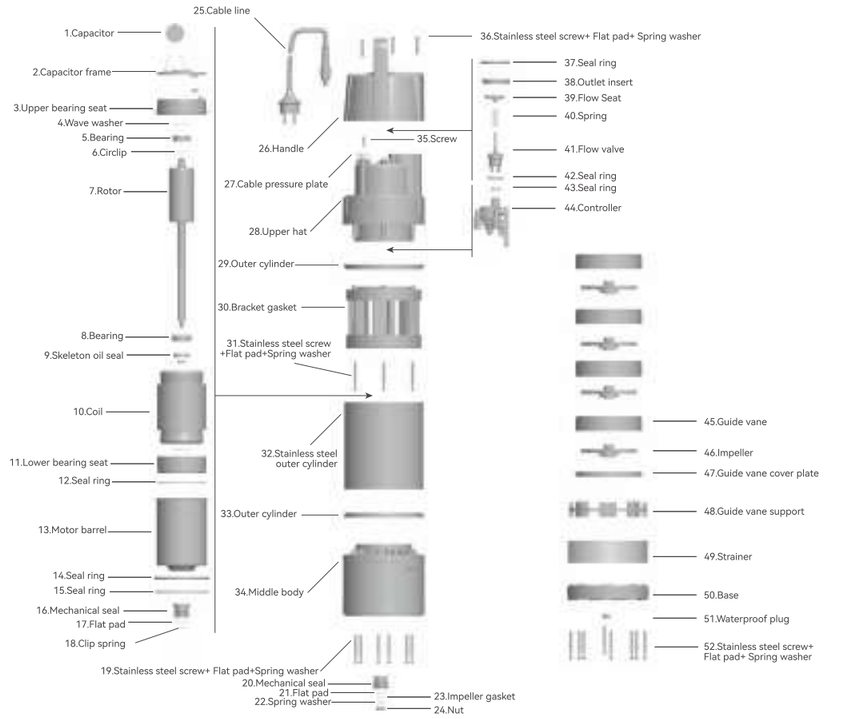
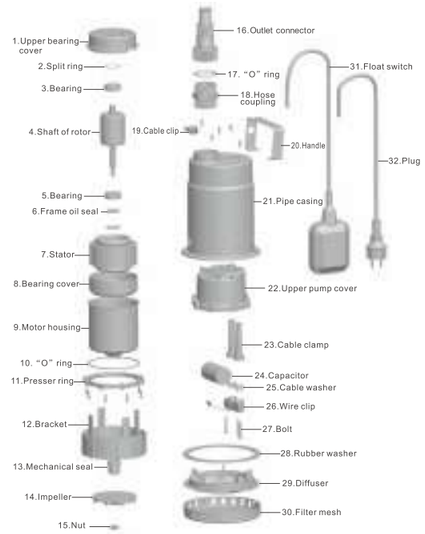
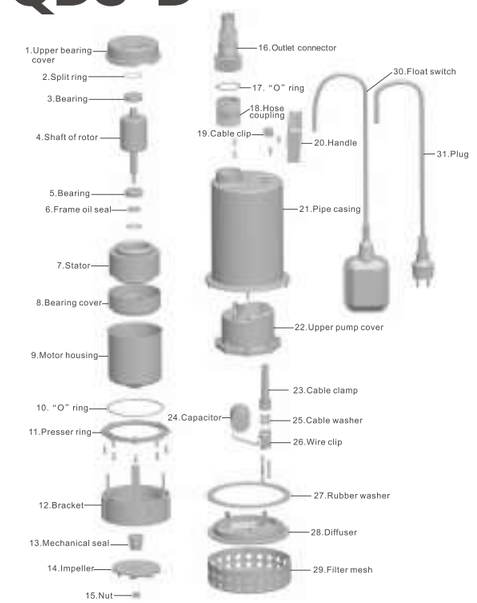
QDP-SE



QDS-C



QDS-D



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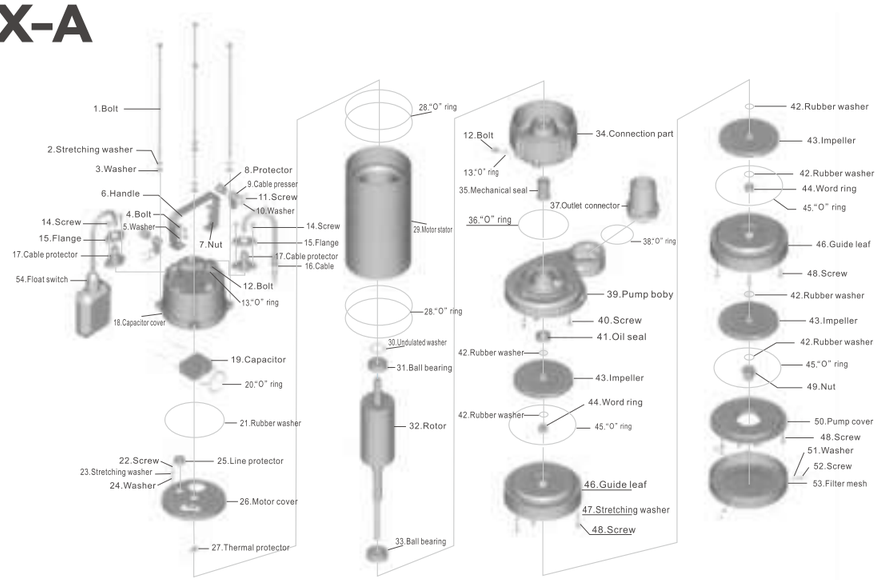
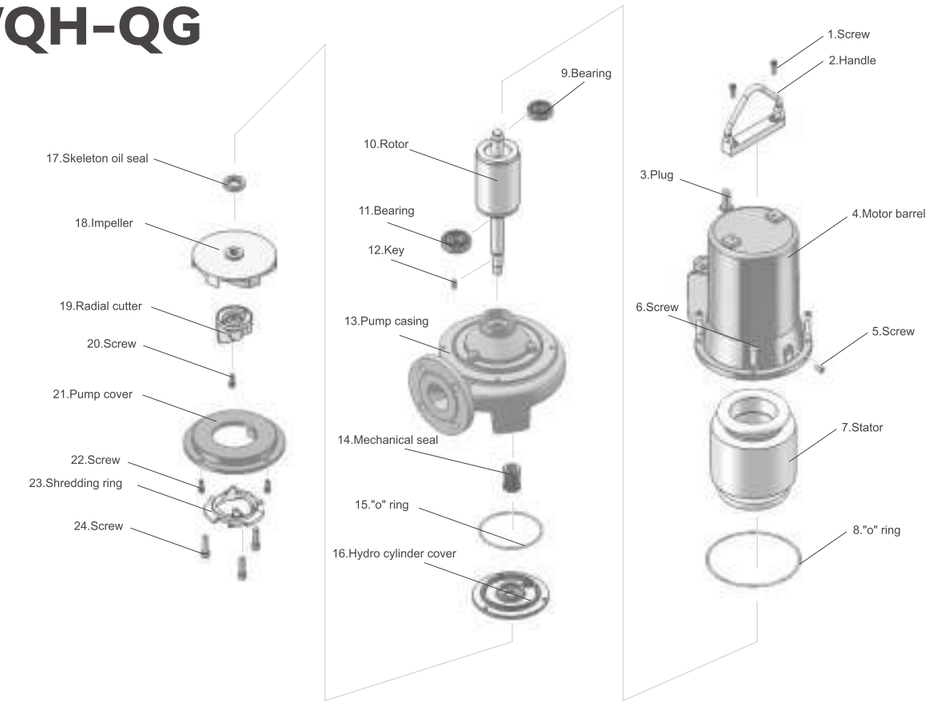
QDX-A



WQH-QG



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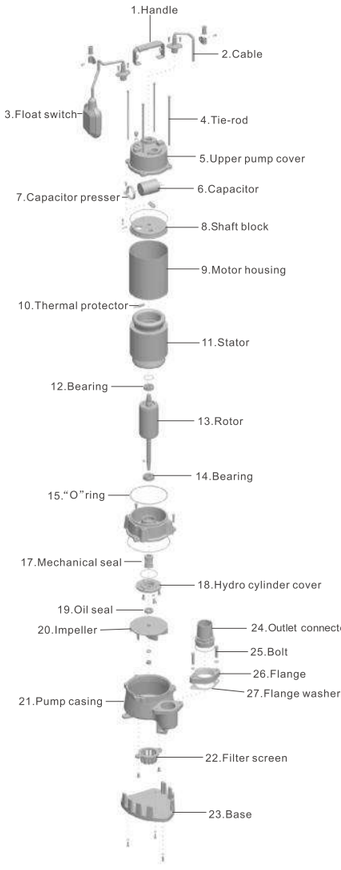
WQD-D



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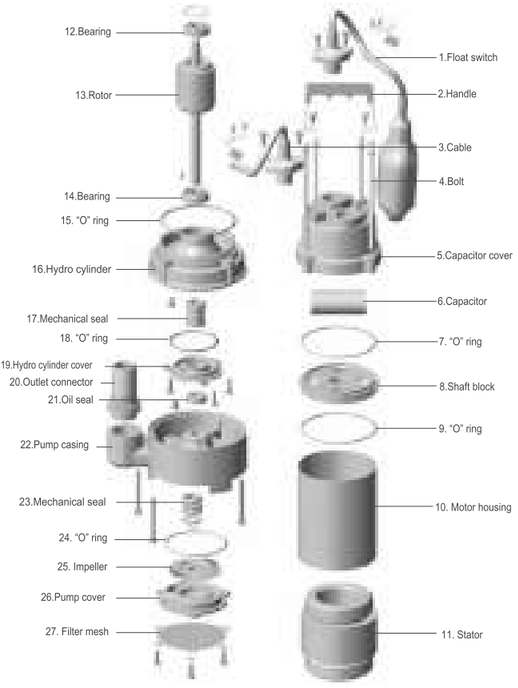
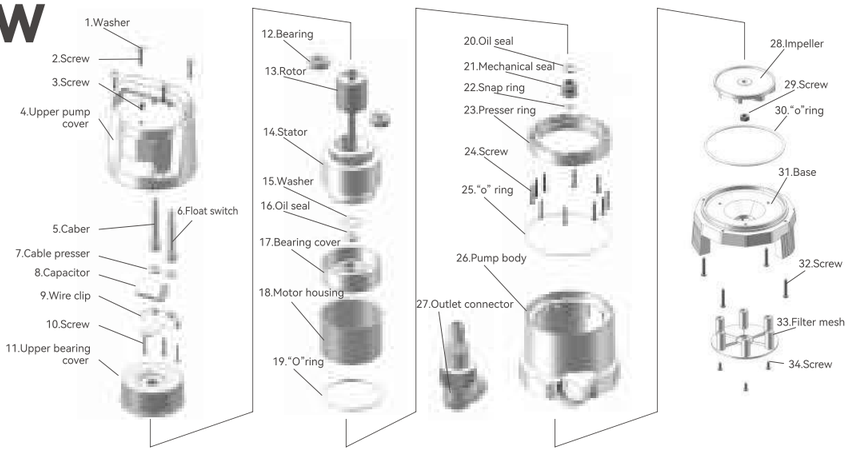


QDP-AW



NEW SHAPE FOR CHOOSING

QB60-24CF	JET-100A/B/C-24CF	QB60-24SF	JET-100A/B/C-24SF
QB70-24CF	JET-150A-24CF	QB70-24SF	JET-150A-24SF
QB80-24CF	JET-180A-24CF	QB80-24SF	JET-180A-24SF
HKm60-24CF	JET-200A-24CF	HKm60-24SF	JET-200A-24SF
HKm70-24CF	JSP-60-24CF	HKm70-24SF	JSP-60-24SF
HKm80-24CF	JSP-80-24CF	HKm80-24SF	JSP-80-24SF
IDB35-24CF	JSP-100-24CF	IDB35-24SF	JSP-100-24SF
IDB40-24CF	JSP-150-24CF	IDB40-24SF	JSP-150-24SF
IDB50-24CF	JSP-200-24CF	IDB50-24SF	JSP-200-24SF
VPm45-24CF	HJ-10M-24CF	VPm45-24SF	HJ-10M-24SF
VPm80-24CF	HJ-10H-24CF	VPm80-24SF	HJ-10H-24SF
VP5M-24CF	HJ-15M-24CF	VP5M-24SF	HJ-15M-24SF
VP10M-24CF	SJET-60B/C-24CF	VP10M-24SF	SJET-60C-24SF
JET-60A/B/C-24CF	SJET-80B/C-24CF	JET-60A/B/C-24SF	SJET-80C-24SF
JET-80A/B/C-24CF	SJET-100B/C-24CF	JET-80A/B/C-24SF	SJET-100C-24SF

QB60-A	HCm130-1-A	HFM-80-A	HNF-130C-A	HMC90-SV-A	HFC-2200-A
QB70-A	HCm146-1-A	HFM-85-A	HNF-130B-A	HMC145-SV-A	JET-60A/B/C-A
QB80-A	HCm158-1-A	HGAm-70-A	2HCP-130-A	HMC170-SV-A	JET-80A/B/C-A
HKm60-A	HCm130-2-A	HGAm-75-A	2HCP-140M-A	JET-150A-A	JET-100A/B/C-A
HKm70-A	HCm158-2-A	HGAm-80-A	2HCP-140H-A	JET-180A-A	JET-60S-A
HKm80-A	HCm180-2-A	HCK-30-A	2HCP-160-A	JET-200A-A	JET-80S-A
HKS-60-A	HCm190-2-A	HCK-36-A	2HCP-160B-A	JSP-60-A	JET-100S-A
HKS-70-A	HCm25-160B-A	HCT-18S-A	HMC-3S-A	JSP-80-A	JETDP-255-A
HKS-80-A	HCm40-160B-A	HCT-20S-A	HMC-4S-A	JSP-100-A	JETDP-370-A
HCm130-A	HCm25-160A-A	HCT-26S-A	HMC-5S-A	JSP-150-A	JETDP-550-A
HCm146-A	HCm40-160A-A	HCT-30S-A	HMC60-SH-A	HJ-10M-A	DP-505A-A
HCm158-A	HCPF-60-A	HCT-33S-A	HMC90-SH-A	HJ-15M-A	DP-750A-A
HCm180-A	HCPF-70-A	HNF-128A-A	HMC145-SH-A	HFC-900-A	SJET-60C-A
HCm190-A	HFM-70-A	HNF-129B-A	HMC170-SH-A	HFC-1100-A	SJET-80C-A
HCm200-A	HFM-75-A	HNF-129A-A	HMC60-SV-A	HFC-1500-A	SJET-100C-A

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NEW SHAPE FOR CHOOSING

IDB35-E	JET-60A/B/C-E	QB60-E	HFM-80-E
VP5M-E	JET-80A/B/C-E	QB70-E	HFM-85-E
VP10M-E	JET-100A/B/C-E	QB80-E	HGAm-70-E
HCm146-E	JET-60S-E	HKm60-E	HGAm-75-E
HCm180-E	JET-80S-E	HKm70-E	HGAm-80-E
HCm190-E	JET-100S-E	HKm80-E	HNF-128A-E
HCm200-E	JETDP-255-E	HKS-60-E	HNF-129B-E
HCm146-1-E	JETDP-370-E	HKS-70-E	HNF-129A-E
HCm158-1-E	JETDP-550-E	HKS-80-E	HNF-130C-E
HCK-30-E	DP-505A-E	HCm158-E	HNF-130B-E
HCK-36-E	DP-750A-E	HCm158-2-E	2HCP-130-E
HCT-18S-E	SJET-60C-E	HCm180-2-E	2HCP-140M-E
HCT-20S-E	SJET-80C-E	HCm190-2-E	2HCP-140H-E
HCT-26S-E	SJET-100C-E	HCm25-160B-E	2HCP-160-E
HCT-30S-E		HCm40-160B-E	2HCP-160B-E
HCT-33S-E		HCm25-160A-E	JET-150A-E
HMC-3S-E		HCm40-160A-E	JET-180A-E
HMC-4S-E		HCPF-60-E	JET-200A-E
HMC-5S-E		HCPF-70-E	JSP-60-E
		HFM-70-E	JSP-80-E
		HFM-75-E	JSP-100-E
			JSP-150-E
			HJ-10M-E
			HJ-15M-E

TVT / NVT / WVT

TVT(36L-100L)
(Pressure Gauge Upon Request)

With gauge for reference

Specification

※ Replaceable membrane expansion tank carbon steel
※ Working temperature:
※ Butyl: -10℃/99℃
※ Epdm: -10℃/99℃
※ Natural rubber: 0℃/77℃

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
TVT-36L	6/8/10	350	600	1"	1.8-2.0	0.0723
TVT-50L	6/8/10	350	710	1"	1.8-2.0	0.0868
TVT-60L	6/8/10/16	380	800	1"	1.8-2.0	0.1316
TVT-80L	6/8/10/16	450	750	1"	1.8-2.0	0.1539
TVT-100L	6/8/10/16	450	835	1"	1.8-2.0	0.1701

NVT(60L-100L)
(Pressure Gauge Upon Request)

WVT(60L-500L)
(Pressure Gauge Upon Request)

Specification

※ Replaceable membrane expansion tanks carbon steel
※ Working temperature:
※ Butyl: -10℃/ 99℃
※ Epdm: -10℃/99℃

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
NVT-60L	6/8/10/16	380	728	1"	1.8-2.0	0.1126
NVT-80L	6/8/10/16	450	685	1"	1.8-2.0	0.1481
NVT-100L	6/8/10/16	450	765	1"	1.8-2.0	0.1650
WVT-60L	6/8/10/16	380	835	1"	1.8-2.0	0.1381
WVT-80L	6/8/10/16	450	785	1"	1.8-2.0	0.1600
WVT-100L	6/8/10/16	450	870	1"	1.8-2.0	0.1782
WVT-150L	10/16	500	1135	1"	2.5/4.0	0.3022
WVT-200L	10/16	628	1080	1½"	2.5/4.0	0.4682
WVT-300L	10/16	628	1360	1½"	2.5/4.0	0.5831
WVT- 500L	10/16	790	1465	1½"	2.5/4.0	0.9344

VT / SF / RT / CF

VT(3L-50L)

Specification

※ Replaceable membrane expansion tanks carbon steel
※ Working temperature:
※ Butyl: -10℃/ 99℃
※ Epdm: -10℃/99℃
※ Natural rubber: 0℃/ 77℃

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
VT-3L	6/8/10	170	235	1"	1.8-2.0	0.0081
VT-4L	6/8/10	155	302	1"	1.8-2.0	0.0077
VT-5L	6/8/10	170	275	1"	1.8-2.0	0.0086
VT-8L	6/8/10	200	328	1"	1.8-2.0	0.0092
VT-12L	6/8/10/16	270	305	1"	1.8-2.0	0.0233
VT-19L	6/8/10/16	270	395	1"	1.8-2.0	0.0321
VT-24L	6/8/10/16	270	460	1"	1.8-2.0	0.0361
VT-36L	6/8/10	350	437	1"	1.8-2.0	0.0535
VT-50L	6/8/10	350	547	1"	1.8-2.0	0.0670

SF(24L-26L)

RT(24L)

Specification

※ Replaceable membrane expansion tanks carbon steel
※ Working temperature:
※ Butyl: -10℃/ 99℃
※ Epdm: -10℃/99℃
※ Natural rubber: 0℃/ 77℃

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SF-24L	6/8	330	325	1"	1.8-2.0	0.0405
SF-25L	6/8	350	325	1"	1.8-2.0	0.0441
SF-26L	6/8	360	365	1"	1.8-2.0	0.0520
RT-24L	6/8	350	390	1"	1.8-2.0	0.0525

CF(19-100L)

Specification

※ Replaceable membrane expansion tanks carbon steel
※ Working temperature:
※ Butyl: -10℃/ 99℃
※ Epdm: -10℃/99℃
※ Natural rubber: 0℃/ 77℃

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
CF-19L	6/8/10/16	395	292	1"	1.8-2.0	0.0356
CF-24L	6/8/10/16	460	292	1"	1.8-2.0	0.0399
CF-36L	6/8/10	435	375	1"	1.8-2.0	0.0588
CF-50L	6/8/10	545	375	1"	1.8-2.0	0.0752
CF-60L	6/8/10/16	645	408	1"	1.8-2.0	0.1082
CF-80L	6/8/10/16	600	470	1"	1.8-2.0	0.1325
CF-100L	6/8/10/16	685	470	1"	1.8-2.0	0.1524

VT / SCF / SRT

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VT2-2

VT2-3

Specification

※ MAX. Work pressure:3.5bar
※ Working temperature:
※ Epdm: -10℃/ 99℃
※ Natural rubber : 0℃/ 77℃
※ Precharge:1.5bar

MODEL	MAX. Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
VT2-2	3.5	110	222	1/2"	1.5	0.0625/ 20PCS
VT2-3	3.5	106/116	192	1/2"	1.5	0.0520/ 20PCS

SRT(24L)

Specification

※ Replaceable membrane pressure tanks stainless steel
※ Working temperature:
※ Butyl: -10℃/ 99℃
※ Epdm: -10℃/99℃
※ Natural rubber: 0℃/ 77℃

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SRT-24L	6/8	350	390	1"	1.8-2.0	0.0447

SCF(19L-100L)

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SCF-19L	6/8/10	395	292	1"	1.8-2.0	0.0356
SCF-24L	6/8/10	460	292	1"	1.8-2.0	0.0399
SCF-36L	6/8/10	435	375	1"	1.8-2.0	0.0588
SCF-50L	6/8/10	545	375	1"	1.8-2.0	0.0752
SCF-60L	6/8/10	645	408	1"	1.8-2.0	0.1082
SCF-80L	6/8/10	600	470	1"	1.8-2.0	0.1325
SCF-100L	6/8/10	685	470	1"	1.8-2.0	0.1524

SVT / STVT

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SVT(3L-24L)

STVT(36L-500L)
(Pressure Gauge Upon Request)

Specification

※ Replaceable membrane pressure tanks stainless steel
※ Working temperature:
※ Butyl: -10℃/ 99℃
※ Epdm: -10℃/99℃
※ Natural rubber: 0℃/ 77℃

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SVT-3L	6/8/10	170	235	1"	1.8-2.0	0.0081
SVT-5L	6/8/10	170	275	1"	1.8-2.0	0.0088
SVT-8L	6/8/10	200	328	1"	1.8-2.0	0.0140
SVT-19L	6/8/10	270	395	1"	1.8-2.0	0.0321
SVT-24L	6/8/10	270	460	1"	1.8-2.0	0.0361
STVT-36L	6/8/10	350	600	1"	1.8-2.0	0.0723
STVT-50L	6/8/10	350	710	1"	1.8-2.0	0.0870
STVT-60L	6/8/10	380	805	1"	1.8-2.0	0.1316
STVT-80L	6/8/10	450	750	1"	1.8-2.0	0.1539
STVT-100L	6/8/10	450	835	1"	1.8-2.0	0.1701

Stainless Steel Check Valve

Axial Pressure Gauge

Radial
Pressure Gauge

Flexible Hose

MODEL	Description
3 ways	YT-A1001: Length 70mm N.W. 170g YT-A1005: Length 80mm N.W. 180g
5 ways	YT-A1003: Length 70mm N.W. 150-170g YT-A1007: Length 80mm N.W. 190g YT-A1008: Length 90mm N.W. 170-200-245g YT-A1009: Length 110mm N.W. 220-260g
Check Valve	Material: Brass / Stainless Steel Size: 1", 1-1/4",1-1/2", 2"
Pressure Gauge	Range: 0-10bar/0-16bar/0-25bar Diameter:50mm Connector:1/4"
Flexible hose	Length: 50cm/60cm/80cm/100cm Special length upon request Connect size: 1/2", 3/4", 1", with elbow, Male-Female

EPC

EPC-1

EPC-1			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW/1.5kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1",G1 1/4",G1 1/2",NPT1"	G1",G1 1/4",G1 1/2",NPT1"	G1",G1 1/4",G1 1/2",NPT1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55℃	55℃	55℃

OPTIONALS:

※ Startng perssure is adjustable during installaton, adjustment rangge:1.2bar-3.0bar.
※ Color: as customer require.
※ Power cable length can choose according to customers' needs.
※ Three types appearances for EPC-2
※ (a) type: no adjustment
※ (b) & (c) types: adjustable 1.2 - 3.0bar

EPC-2

EPC-2			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	R1"	R1"	R1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55℃	55℃	55℃

EPC-3

EPC-3			
Rated Voltage	220-240V	110-120V	110- 240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1 kW/1.5kW	0.55kW/0.75kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55℃	55℃	55℃

EPC

EPC-3P

EPC-3P			
Rated Voltage	220-240V	110-120V	110- 240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW/1.5kW	0.55kW/0.75kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar ,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55℃	55℃	55℃

OPTIONALS:

※ Startng perssure is adjustable during installaton, adjustment range:1.2bar-2.5bar.
※ Color: as customer require.
※ G1"plastc pipe joint for a quick connecton to water pump.
※ Power cable length can choose according to customers' needs.

EPC-5

EPC-5			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1 kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar ,2.2bar	1.2bar,1.5bar ,2.2bar	1.2bar,1.5bar 2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55℃	55℃	55℃

EPC-5.1

EPC-5.1			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar ,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP44	IP44	IP44
Max Working Temperature	55℃	55℃	55℃

EPC

EPC-7

EPC-7			
Rated Voltage	220-240V	110-120V	380V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	2.2kW	1.1kW	4.0kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1",G1 1/4",G1 1/2"	G1",G1 1/4",G1 1/2"	G1 1/2"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55℃	55℃	55℃

EPC-11A

EPC-11A			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP54	IP54	IP54
Max Working Temperature	55℃	55℃	55℃

EPC-12/12P

EPC-12/12P	EPC-12	EPC-12P
Rated Voltage	110-240V	110-240V
Power Frequency	50/60Hz	50/60Hz
Max Power	1.1 kW/2.2kW	1.1kW/2.2kW
Starting Pressure Setting	0.5-6.7bar	0.5-6.7bar
Max Working Pressure	8bar	9.5bar
Connection Thread	G1"	G1"
Protection Rating	IP65	IP65
Max Working Temperature	60℃	60℃

EPC /KRS

EPC-15

ADVANTAGES:

※ New design, Three-In-One
※ Mode 1: Pressure (Mainly used for no water tower's water supply)
※ Mode 2: Time (Mainly used for filling up the water tower on the set tme (0.5h, 6h, 24h), according to the amount of water consumed)
※ Mode 3: Flow (Mainly used for water tower pressurizaton)

EPC-15		
Rated Voltage	220-240V	110-120V
Power Frequency	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar
Connection Thread	G1"	G1"
Protection Rating	IP65	IP65
Max Working Temperature	60℃	60℃

KRS-2

DESCRIPTIONS:

※ Pressure switch used in water systems. .
※ The switch starts and stops the water pump automatcally according to the setting pressure.
※ Hydraulics connecton can choose:1/4" & 3/8" Female.
※ Customized setting.

OPTIONALS:

※ Hydraulics connecton according to customers needs.
※ Pressure setting according to customers needs.

KRS-2		
Rated Voltage	110- 240V	
Power Frequency	50/60Hz	
Rated Current	10(4)A	
Min.cut-in	0.5bar	
Max. cut-out	3.5bar	
Pressure Range	1.0-1.8bar/2.2-3.0bar etc.	
Bases	Zin Alloy	Plastic
Contacts	Double	Singe
Screw Type	Female	Male
Screw Size	1/4",3/8"	1/4" ,3/8"
Protection Rating	IP20	
Max Working Temperature	55℃	

KRS

KRS-3

White Plated

KRS-3H

Female 1/4" 3/8"
(Fixed/Rotary)

Male 1/4"

Plastic

DESCRIPTIONS:

※ pressure switch used in water systems. .
※ The switch starts and stops the water pump automatcally according to the setting pressure.
※ Hydraulics connecton can choose:1/4"&3/8" Female.
※ Customized setting.

OPTIONALS:

※ Hydraulics connecton according to customers needs.
※ Pressure setting according to customers needs.

KRS-3		
Rated Voltage	110-240V	
Power Frequency	50/60Hz	
Rated Current	12A	
Min.cut-in	20PSI	
Max.cut-out	100PSI	
Pressure Range	20-40PS1,30- 50PSI,40-60PSI,50-70PSI	
Flange	Steel,Plastic	
Screw Type	Female	Male
Screw Size	Fix Nut:1/4" 3/8" Rotary:1/4" 3/8"	1/4"
Protection Rating	IP20	
Max Working Temperature	55°C	

KRS-5

DESCRIPTIONS:

※ pressure switch used in water systems. .
※ The switch starts and stops the water pump automatcally according to the setting pressure.
※ Hydraulics connecton can choose:1/4"&3/8" Female.
※ Customized setting.

OPTIONALS:

※ Hydraulics connecton according to customers needs.
※ Pressure setting according to customers needs.

Female 1/4" 3/8"
(Fixed/Rotary)

Male 1/4"
(36mm/43mm)

KRS-5		
Rated Voltage	110-240V/400V	
Power Frequency	50/60Hz	
Rated Current	16(8)A	
Min.cut-in	15PSI	
Max.cut-out	100PSI	
Pressure Range	20-40PSI,30- 50PSI, 40-60PSI	
Cover Color	Black	
Screw Type	Female	Male
Screw Size	1/4" 3/8"	1/4"
Protection Rating	IP44	
Max Working Temperature	55°C	

HAPPY®
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MODEL	BOX SIZE	CARTON SIZE	QUANTITY	N.W/G.W
EPC-1	22.7*16.8*17.9CM	53*47.5*38CM	12PCS/CTN	16.5/18.5KGS
EPC-2	15.2*10.1*23.2CM	47*43*25CM	12PCS/CTN	15/17KGS
EPC-3/3P	24.8*13.8* 13CM	52*44*28CM	12PCS/CTN	12/15KGS
EPC-5	14.5*15.2*18.6CM	61*47.5*21CM	12PCS/CTN	13/15.5KGS
EPC-5.1	14.5*15.2*21.7CM	60.5*47.5*23CM	12PCS/CTN	13/15.5KGS
EPC-7	27.2*17.9*22.5CM	56.5*38*48CM	8PCS/CTN	8/10KGS
EPC-11A	14.3*14.3*16CM	45* 45*34CM	18PCS/CTN	10.5/12KGS
EPC-12/12P	16*17*17.5CM	49.5*35.5*37CM	12PCS/CTN	11/13.5KGS
EPC-15	14.5*15.2*18.6CM	61*47.5*21CM	12PCS/CTN	13/1 5.5KGS
KRS-2	4.9*4.9*8.5CM	52*26.5*19 CM	100PCS/CTN	17/19KGS
KRS-3	9.9*7*9.9CM	51*37*21CM	50PCS/CTN	16.5/18.5KGS
KRS-5(female)	10.5*6.7*10.5CM	54*34*23CM	50PCS/CTN	19/21KGS
KRS-5(male)	10.5*6.7*12.5CM	54*26.5*35CM	50PCS/CTN	19.5/22KGS

HX-03

HX-04

HX-PLASTIC-01