



ZHEJIANG HAPPY PUMP INDUSTRY CO.,LTD.



Address: No. 318, West Xingpan Road, Daxi, Wenling, Zhejiang, China.

PC: 317525

Email: admin@happypump.com

Tel: +86-576- 86305888

Fax: +86- 576- 86338978

www.happypump.com

Professional  
manufacturer of water pumps



Water Unlimited



2025

ZHEJIANG HAPPY PUMP  
INDUSTRY CO.,LTD.



Products shall be subject to any changes  
without additional notices.



Everybody is responsible for environmental protection,  
sustainable development!





35  
Years

100  
Countries

210,000<sup>m²</sup>  
Area

\$ 100  
Millions

## Company Profile

Zhejiang Happy Pump Industry Co., Ltd. was founded in 1990 in Daxi Town, Wenling City, Zhejiang Province. This land, praised as the "Home of Chinese Water Pumps," has witnessed the glorious history of Happy Pump spanning over three decades. Specializing in the manufacture of mid-to-high-grade water pumps and motors, **HAPPY**® Pump has emerged as an industry leader, driven by years of invaluable experience and a relentless pursuit of innovation. **HAPPY**® Pump products have garnered widespread praise and recognition from domestic and international customers alike, owing to the superior quality and commitment to constant innovation.

Happy Pump, spanning an expansive area of 55,000 square meters and a construction footprint of 210,000 square meters, boasts a team of over 800 dedicated employees, inclusive of a formidable R&D squad comprising 200 engineers. Its diverse product line encompasses more than 500 specifications across 11 core series, ranging from vortex pumps, centrifugal pumps, jet pumps, garden pumps, submersible pumps, deep-well pumps, swimming pool pumps, permanent magnet inverter frequency constant pressure pumps, standard self-priming pumps, to smart self-priming pumps. Currently, Happy Pump enjoys an annual production capacity of 4 million water pumps and motors, with its esteemed products finding their way to over 100 countries and regions worldwide. In the past five years, the company has achieved a remarkable annual growth rate of 20%, and we anticipate further expansion in the next five years.

The cornerstone of Happy Pump's survival and growth lies in its unwavering commitment to excellent quality. This dedication has led to the successive attainment of numerous certifications, including ISO9001:2015 for quality management, ISO14001:2015 for environmental management, ISO45001:2018 for occupational health and safety, measurement management, intellectual property management, Zhejiang manufacturing certification, EU CE, CB, ROHS, and TUV test certification. Moreover, Happy Pump has actively participated in drafting numerous national and industry standards.

Past achievements are mere milestones, and the journey towards future triumphs stretches far ahead. Through the decades of perseverance in our entrepreneurial journey, our company has firmly embraced a truth: continuous pioneering and innovation are the sole keys to success. This creed is ingrained in the hearts of every Happy Pump employee. Adhering steadfastly to the management philosophy of 'survival through quality and growth via innovation,' we strive to deliver superior products and services. Together, we walk hand in hand with our customers, forging a brighter future.

## 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.







## Extreme & Classic

Furthermore, the company has been recognized with prestigious titles such as National High-Tech Enterprise, National Small Giant Enterprise specialized in professional, precision, special, and new industries, Enterprise Research Institute, High-Tech Research and Development Center, Science and Technology Small Giant Enterprise, AAA Contract-Abiding and Trustworthy Enterprise, Famous-Brand Products, Famous Export Brand, Credit Demonstration Enterprise, and has been named among the TOP 100 Wenling Companies for multiple years.

These accolades not only validate the company's achievements but also provide a strong impetus for its continued high-quality development.





# 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.



Zhejiang Happy Pump Industry Co.,Ltd.  
www.happypump.com



# 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.



































# 50<sup>+</sup>

Our company has more than 50 patents  
Among them, there are more than 13 invention patents





<b>A</b> 01 HPm 02 HL  PERIPHERAL PUMPS Patented Exclusive Products	<b>B</b> 03 HPSm 04 HPSm125A~750A  SELF-PRIMING PERIPHERAL PUMPS Patented Exclusive Products	<b>C</b> 05 HPSm-A/AX  SMART SELF-PRIMING PUMPS Patented Exclusive Products	<b>D</b> 06 H16~20  DC. BOOSTER PUMPS Patented Exclusive Products	<b>Q</b> 81 HFC 82 HFC-01 83 HFC-02  SWIMMING POOL PUMPS	<b>R</b> 84 HSPA  HYDROMASSAGE BATHTUB PUMPS	<b>S</b> 85 HKJm 87 JET-A/B/C 88 JET-A 89 JSP 90 HJ 91 JET-S  SELF-PRIMING JET PUMPS	<b>T</b> 92 DP-A 93 JETDP  DEEP WELL SELF-PRIMING JET PUMPS
<b>E</b> 07 2HIC  INVERTER AUTOMATIC PUMPS Patented Exclusive Products	<b>F</b> 09 ACm 10 ACm25/160B 11 ACm/5A/5B/5C 12 ACm/5AM/5BM 13 ASm 14 ACm/7BR 15 2ACm 16 ACm-C  CENTRIFUGAL PUMPS Patented Exclusive Products	<b>G</b> 17 AJm  SELF-PRIMING JET PUMPS Patented Exclusive Products	<b>H</b> 19 QB 20 HQBm 21 HKm 22 IDB 23 VPm 24 VP  PERIPHERAL PUMPS	<b>U</b> 95 SJET-C  GARDEN JET PUMPS	<b>V</b> 96 QDP-C 97 QDP-A/B  SUBMERSIBLE PUMPS	<b>W</b> 98 QDP-AW/BW  SUBMERSIBLE SEWAGE PUMPS	<b>X</b> 99 QDP90-S 100 QDP145-S  SUBMERSIBLE PUMPS
<b>I</b> 25 HQSm-A 26 HQSm-AX 27 HRSm-A  SMART SELF-PRIMING PUMPS	<b>J</b> 28 PS-A 32 HKS 29 PS 33 HKS-C-A 31 GP  SELF-PRIMING PERIPHERAL PUMPS	<b>K</b> 35 HCm 45 HFM 37 HCm-1 46 HNF 38 HCm-2 47 2HCP 39 HCm-5 48 HCT-S 40 DK 41 HCK 42 HCPF 43 HTm 44 HGAm  CENTRIFUGAL PUMPS	<b>L</b> 49 HST  STANDARD CENTRIFUGAL PUMPS	<b>Y</b> 101 QDP90-SE/SE-1 102 QDP145-SE/SE-1  AUTOMATIC SUBMERSIBLE PUMPS	<b>Z</b> 103 QDS90-S 104 QDS-A/C/D 105 QDS-CW/DW  SUBMERSIBLE PUMPS	<b>A1</b> 106 QDX-A 107 QDX-B 108 QDX145-SV 109 QDX-FA-3 111 QKm370-A  SUBMERSIBLE PUMPS	<b>B1</b> 112 WQD-B 113 WQD-D 114 WQD-S 115 H800F-B~H2250F-B 116 V1500F~V2200F 117 HVT-D/F 118 HVT-C5  SUBMERSIBLE SEWAGE PUMPS
<b>M</b> 63 HS 64 SL  CENTRIFUGAL PUMPS	<b>N</b> 65 HMC15-M 66 HMC-S 67 HMC60-SH 68 HMC90-SH 69 HMC145-SH 70 HMC170-SH  HORIZONTAL MULTISTAGE PUMPS	<b>O</b> 71 HMC60-SV 72 HMC90-SV 73 HMC145-SV 74 HMC170-SV 75 HMC-VE 76 HMC-VF 77 HMC-SV  VERTICAL MULTISTAGE PUMPS	<b>P</b> 80 HMC-IA  MULTISTAGE PUMPS	<b>C1</b> 119 VTX-F 120 WQDR-B 121 HWD 122 HAD 123 HTD 124 HUD  SUBMERSIBLE SEWAGE PUMPS	<b>D1</b> 125 HD1150F~HD1550F 126 CUT 127 CUT-C5 128 WQH-QG  CUTTING SYSTEM SUBMERSIBLE SEWAGE PUMPS	<b>E1</b> 129 WQH 131 WQ-B 133 WQ  SUBMERSIBLE SEWAGE PUMPS	<b>F1</b> 139 EXPLODE DRAWING 151 NEW SHAPE FOR CHOOSING 153 ACCESSORIES 



# HPm

## Peripheral Pumps

Patented exclusive products



HPm50



HPm60

### 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 **8m**

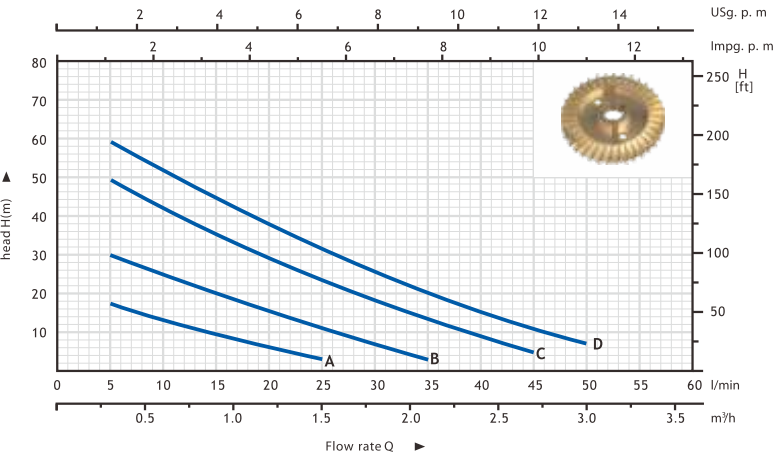
### Component

- ※ **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

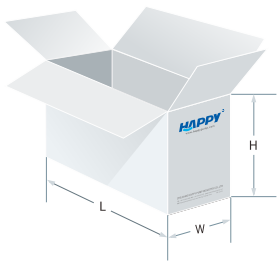
### Construction

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

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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		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
		kW	HP			0	5	10	15	20	25	30	35	40	45	50
A	HPm50	0.11	0.15	H	H	21	17.5	13.8	10.2	6.5	3					
B	HPm60	0.37	0.5			35	30	25	20	15	10.5	6.5	3			
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



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

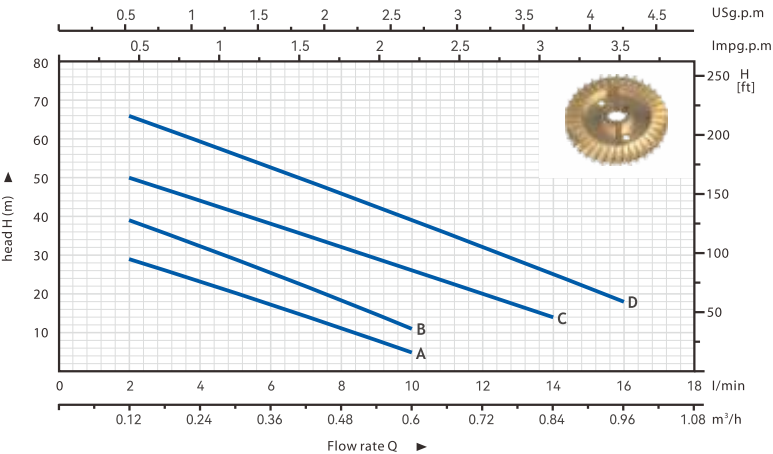
### Component

- ※ **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

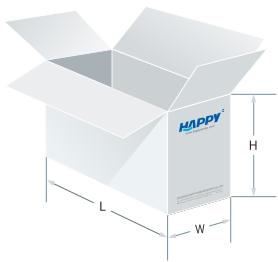
### Construction

- Brass
- Aluminum+Brass
- Aluminum
- Brass
- Carbon steel, AISI 304 SS if request
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



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



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.12	0.24	0.36	0.48	0.6	0.72	0.84	0.96
		kW	HP			0	2	4	6	8	10	12	14	16
A	HL150A (50Hz)	0.15	0.2	H	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

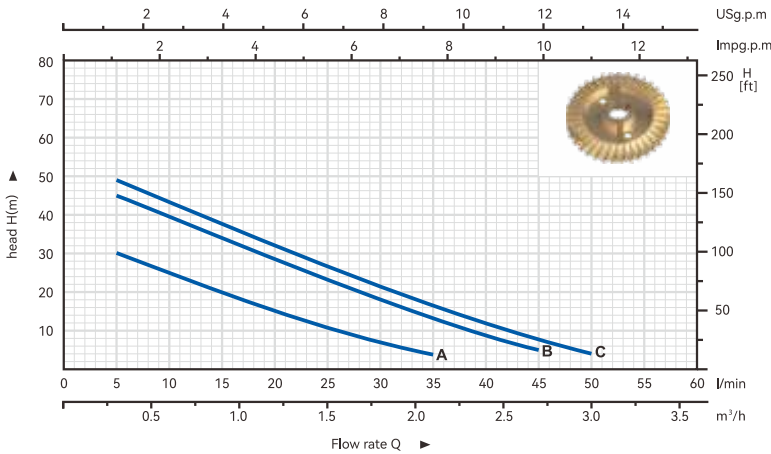
Self-priming peripheral pumps

Patented exclusive products



HPSm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		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
		kW	HP		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

## 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

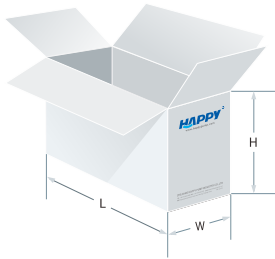
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

## Component

- ※ **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

## 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



# HPSm125A~750A

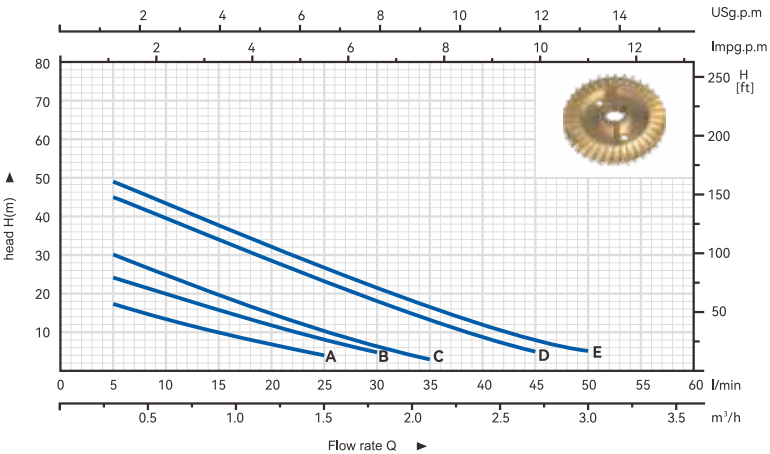
Self-priming peripheral pumps

Patented exclusive products

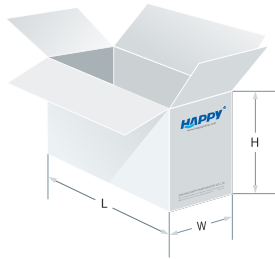


HPSm125A~750A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		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
		kW	HP		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



## 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 **9m**

## Component

- ※ **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

## 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



# HPSm-A/AX

Smart self-priming pumps  
Patented exclusive products

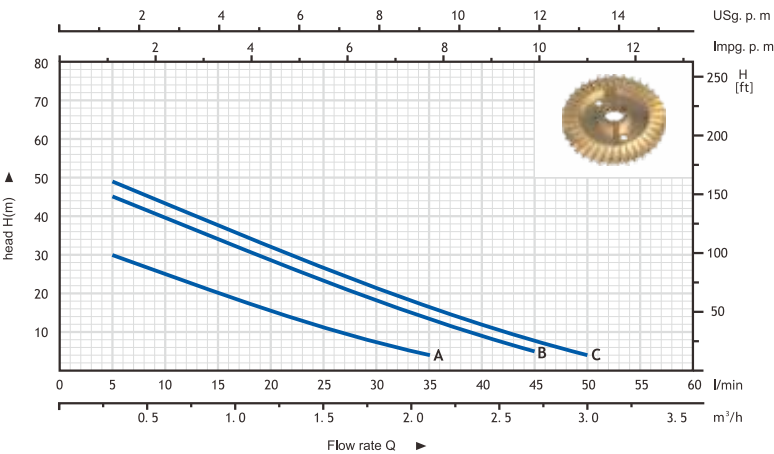


HPSm-A

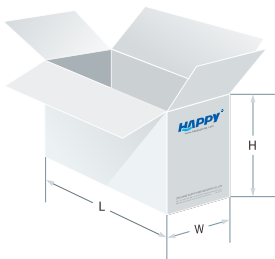


HPSm-AX

## PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
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

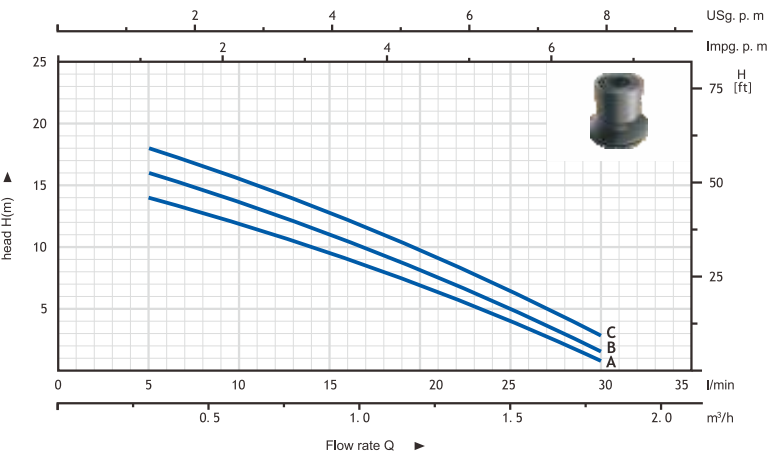
# H16~20

DC. Booster Pumps  
Patented exclusive products

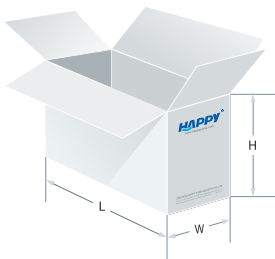


H16~20

## PERFORMANCE CHART AT n=7000RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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
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

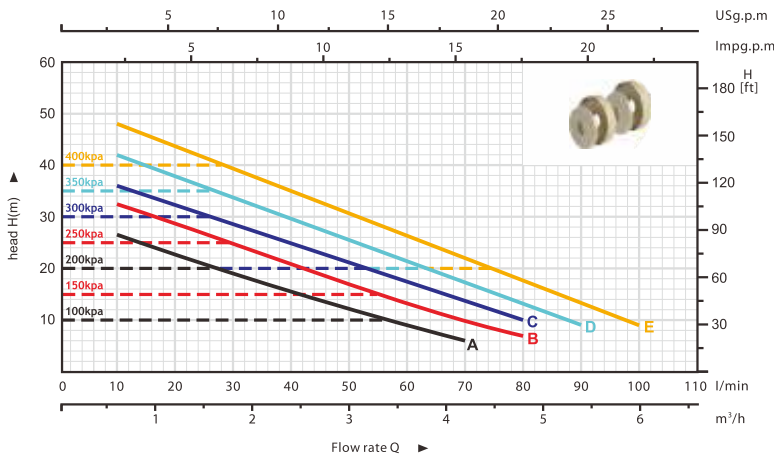
Inverter automatic pumps

Patented exclusive products



2HIC

PERFORMANCE CHART AT n=5500RPM



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	H											
				0	0.3	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
A	2HIC-300	0.34	H	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		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

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 **7m**

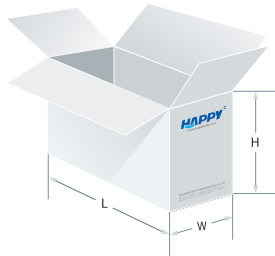
Component

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

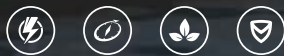
Construction

- Techno-polymer
- Aluminum
- Aluminum
- Techno-polymer
- AISI304
- SIC/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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



# Inverter automatic pumps





# ACm

## Centrifugal pumps

Patented exclusive products



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 **8m**

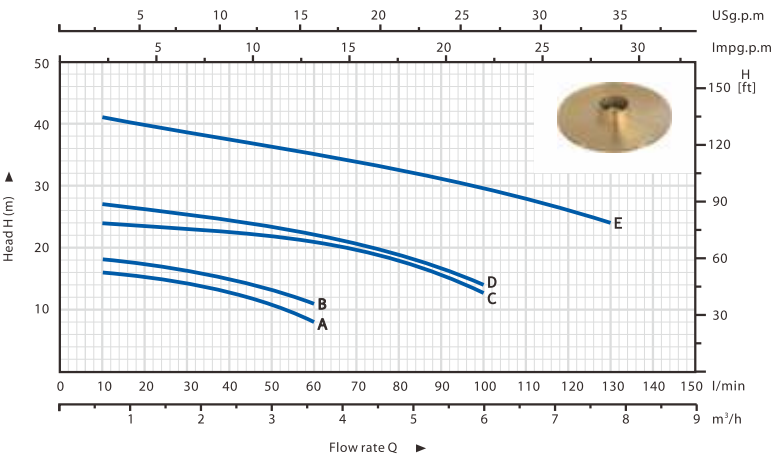
### Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass(0.25~0.75kW), AISI304 SS(1.1kW)
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass(0.25~0.75kW), AISI304 SS(1.1kW)
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		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
A	ACm100	0.25	0.33	H	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		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

# ACm25/160B

## Centrifugal pumps

Patented exclusive products



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 **8m**

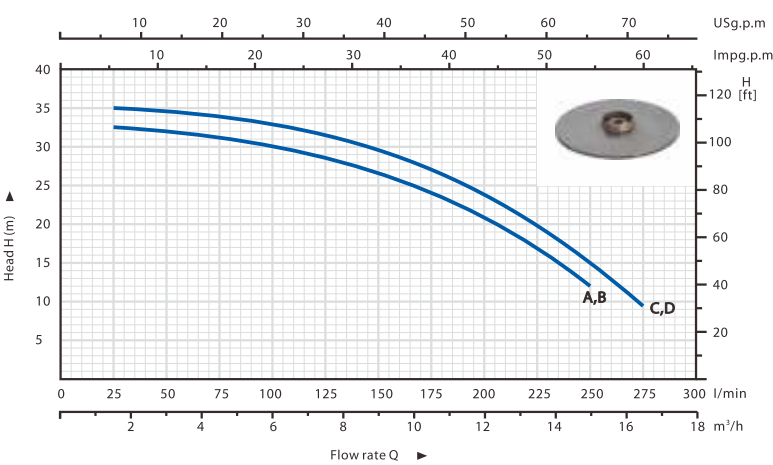
### Component

- ※ **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

### 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	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5		
A	ACm25/160B	1.1	1.5	H	33	32.5	32	31	30	28.5	26.5	24	21	17	12			
B	ACm40/160B	1.1	1.5		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

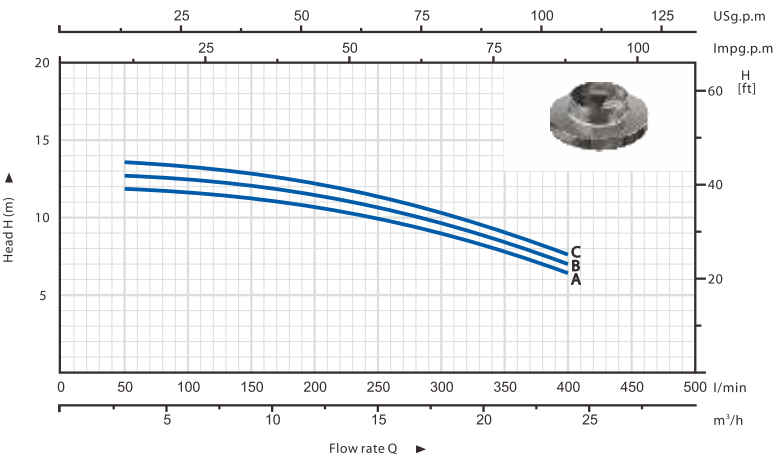
## Centrifugal pumps

Patented exclusive products



ACm/5A/5B/5C

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24
		kW	HP		0	50	100	150	200	250	300	350	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

### 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

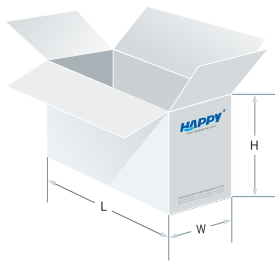
- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

### Operating conditions

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

### Component

- ※ **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



# ACm/5AM/5BM

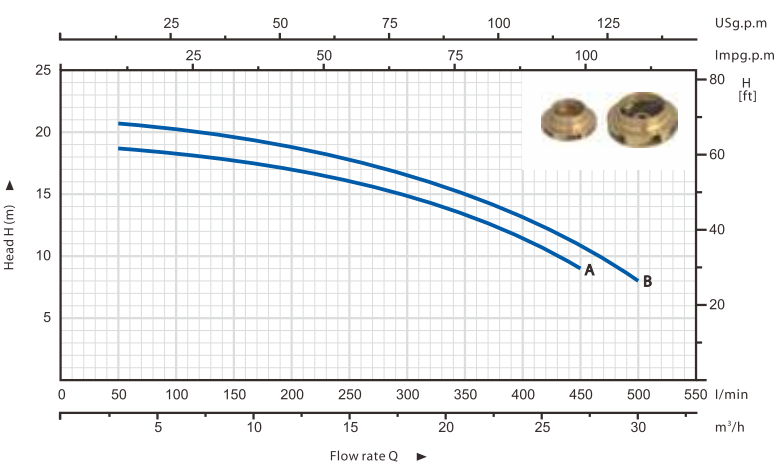
## Centrifugal pumps

Patented exclusive products

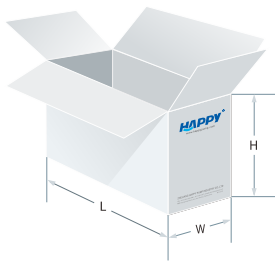


ACm/5AM/5BM

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	6	9	12	15	18	21	24	27	30
		kW	HP		0	100	150	200	250	300	350	400	450	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



### 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 **8m**

### Component

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

### Construction



# ASm

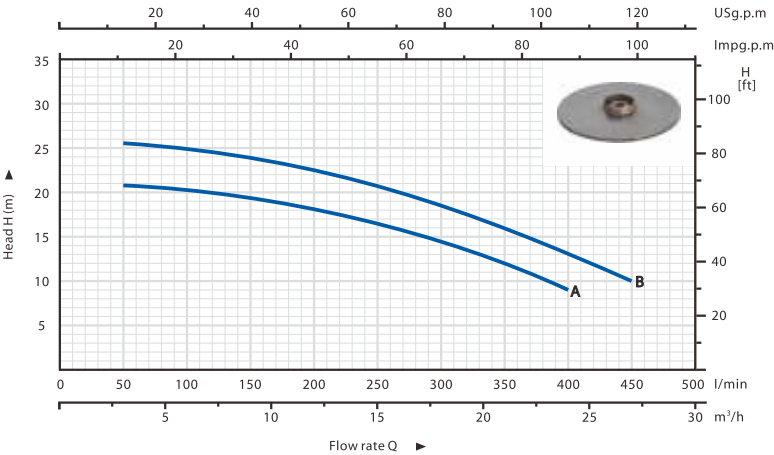
## Centrifugal pumps

Patented exclusive products



ASm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24	27
		kW	HP		0	50	100	150	200	250	300	350	400	450
A	ASm-60	1.1	1.5	H	21	20.8	20.5	19.5	18.2	16.5	14.5	12	9	
B	ASm-70	1.5	2		26	25.5	25	24	22.5	20.5	18.5	16	13	10



### 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

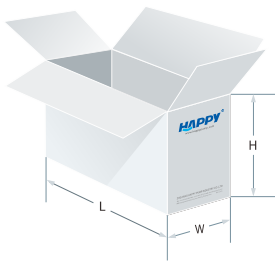
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

### Component

- ※ **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

### Construction

- Cast iron
- Cast iron
- Aluminum
- AISI304 SS
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite



# ACm/7BR

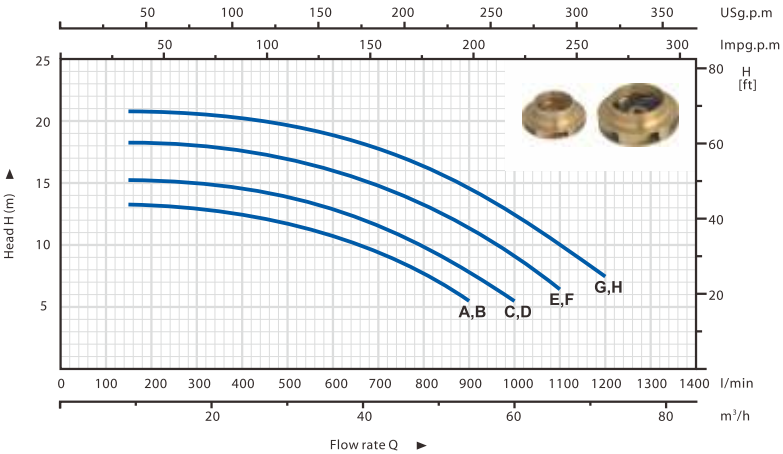
## Centrifugal pumps

Patented exclusive products



ACm/7BR

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	18	24	30	36	42	48	54	60	66	72
		kW	HP		0	300	400	500	600	700	800	900	1000	1100	1200
A	ACm/6C	1.1	1.5	H	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		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



### 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 **8m**

### Component

- ※ **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

### Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	ACm/6C	3" x 3"	26	450x290x340
B	ACm/6CR	4" x 4"	27.5	450x290x340
C	ACm/6B	3" x 3"	27.2	450x290x340
D	ACm/6BR	4" x 4"	28.6	450x290x340
E	ACm/6A	3" x 3"	35.2	525x290x355
F	ACm/6AR	4" x 4"	36.6	525x290x355
G	ACm/7B	3" x 3"	38	525x290x355
H	ACm/7BR	4" x 4"	39.5	525x290x355



# 2ACm

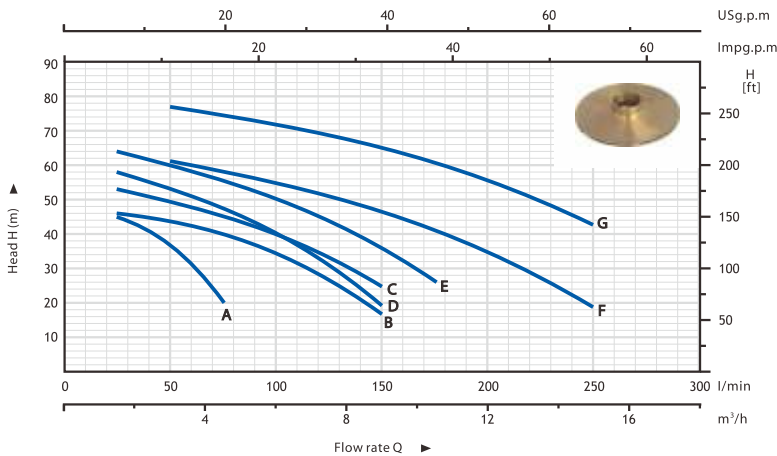
## Double-impeller centrifugal pumps

Patented exclusive products



2ACm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15
		kW	HP												
A	2ACm25/130	0.75	1	H	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		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

# ACm-C

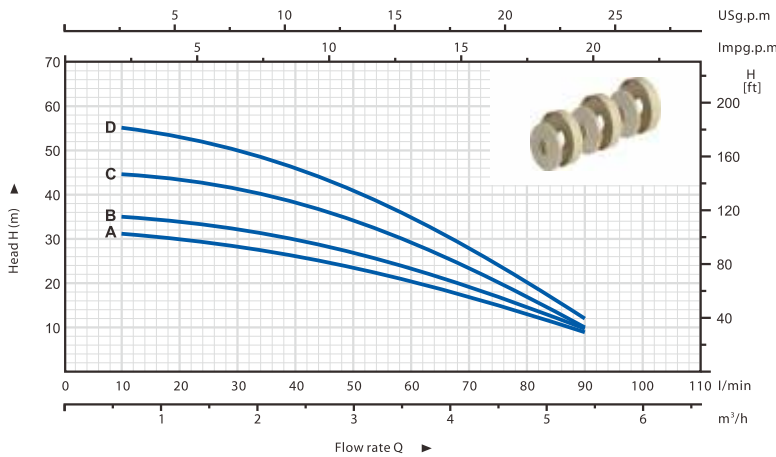
## Multistage pumps

Patented exclusive products

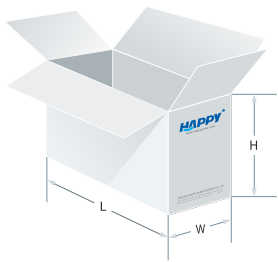


ACm-C

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP											
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





# AJm

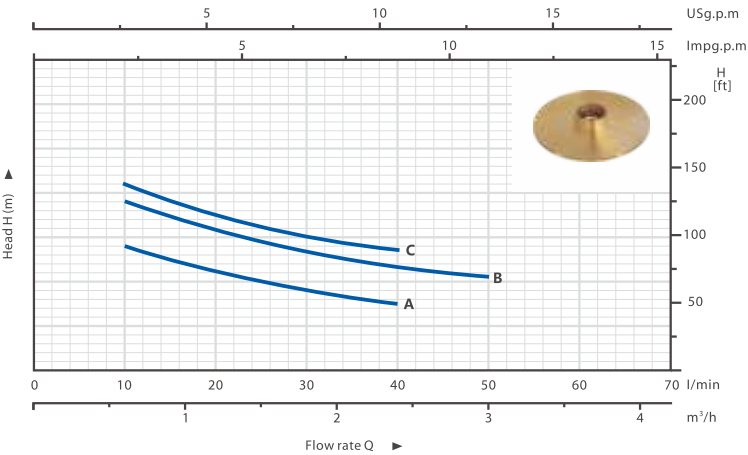
## Self-priming Jet pumps

Patented exclusive products



AJm-M

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4	3
		kW	HP							
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	

### 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

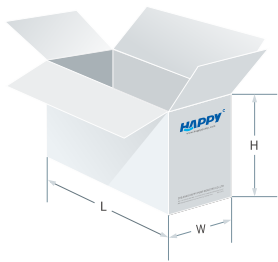
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

- ※ **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

### Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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



# AJm

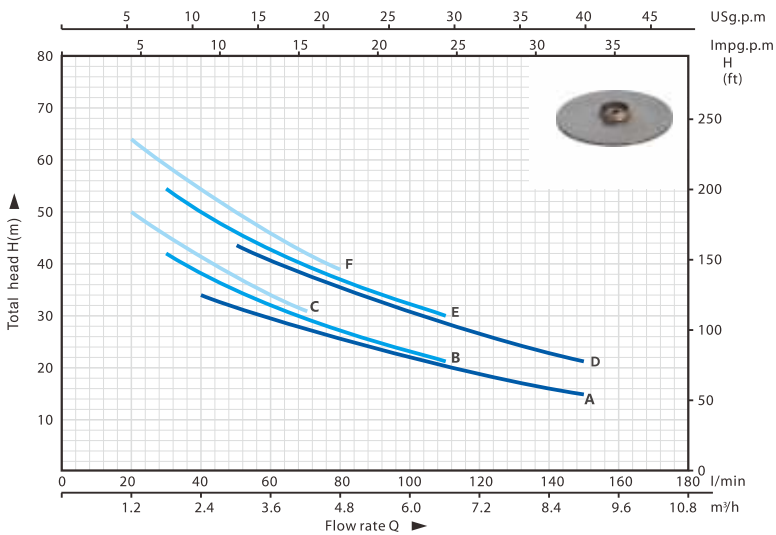
## Self-priming Jet pumps

Patented exclusive products



AJm-3BL/M/H

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		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
		kW	HP		0	20	30	40	50	60	70	80	90	110	130	140	150
A	AJm-3CL	1.1	1.5	H	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		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	39					

### 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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

- ※ **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

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	AJm-3CL	1½" × 1"	23.2	570×230×280
B	AJm-3CM	1½" × 1"	23.2	570×230×280
C	AJm-3CH	1½" × 1"	23.2	570×230×280
D	AJm-3BL	1½" × 1"	24	570×230×280
E	AJm-3BM	1½" × 1"	24	570×230×280
F	AJm-3BH	1½" × 1"	24	570×230×280



# QB

## Peripheral Pumps



### 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 **8m**

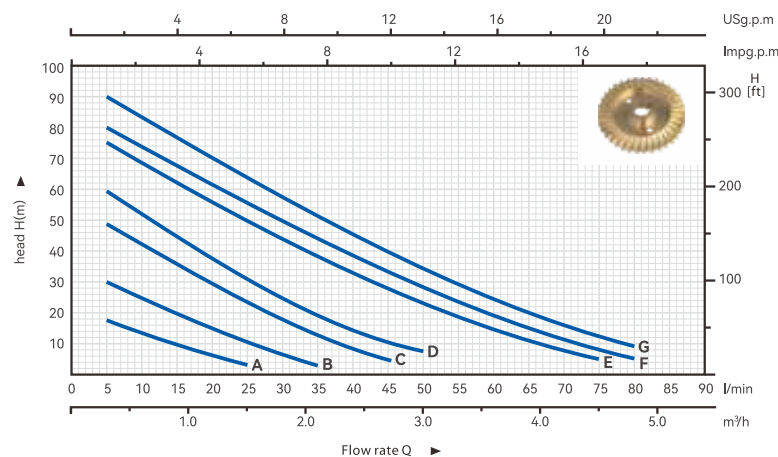
### Component

- ※ **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

### Construction

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

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		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
		kW	HP			0	5	10	15	20	25	30	35	40	45	50	60	70	80
A	QB50	0.11	0.15	H		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			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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

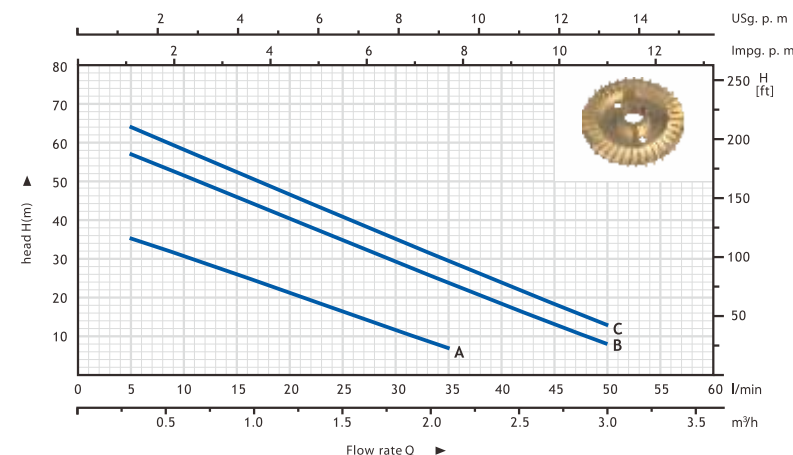
### Component

- ※ **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

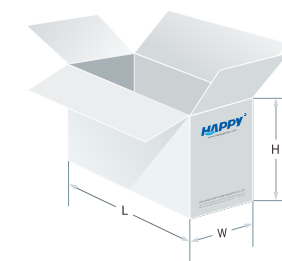
### Construction

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

### PERFORMANCE CHART AT n=2850RPM



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



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3
		kW	HP			0	5	10	15	20	25	30	35	40	50
A	HQBm60	0.37	0.5	H		40	35.5	31	26.5	22	17	12	7	19	8
B	HQBm70	0.55	0.75			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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

### Component

※ **Pump body:**

### Construction

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

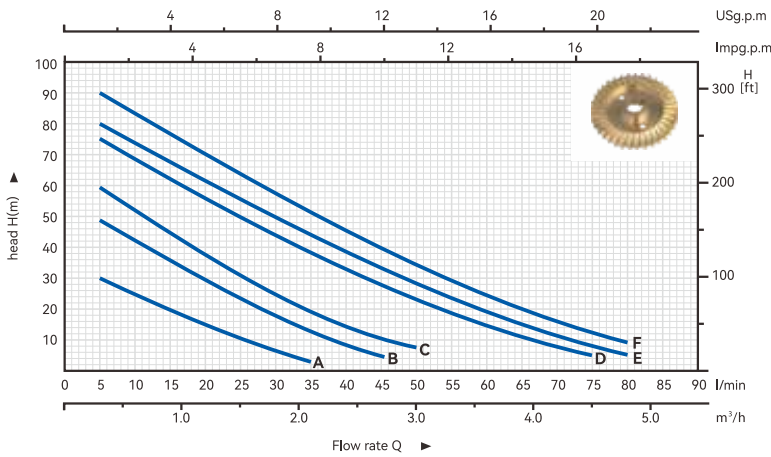
※ **Motor shaft:**

Carbon steel, AISI 304 SS if request

※ **Mechanical seal:**

Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	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
		kW	HP		Q(l/min)	0	5	10	15	20	25	30	35	40	45	50	60	70
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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

### Component

※ **Pump body:**

### Construction

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

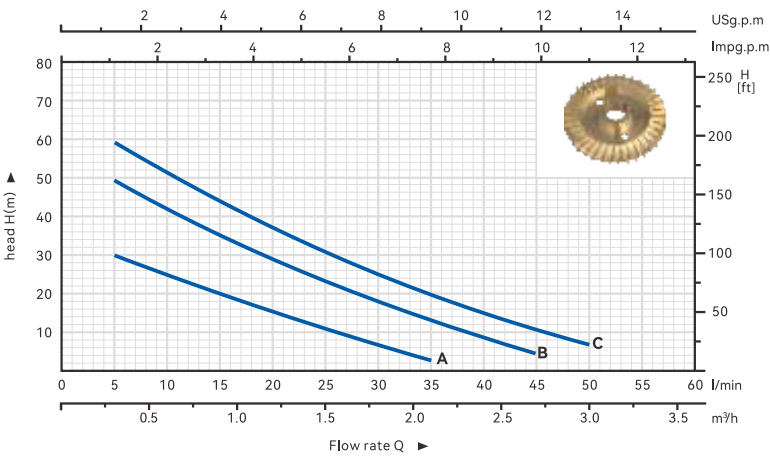
※ **Motor shaft:**

Carbon steel, AISI 304 SS if request

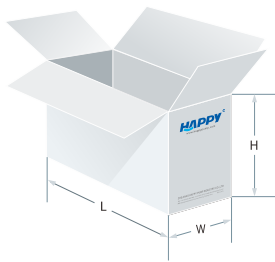
※ **Mechanical seal:**

Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP		Q(l/min)	0	5	10	15	20	25	30	35	40	45
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 **8m**

### Component

※ **Pump body:**

### Construction

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

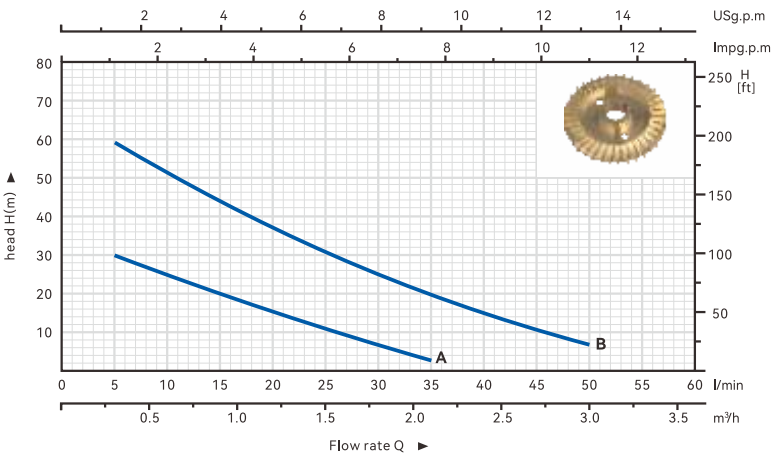
※ **Motor shaft:**

Carbon steel, AISI 304 SS if request

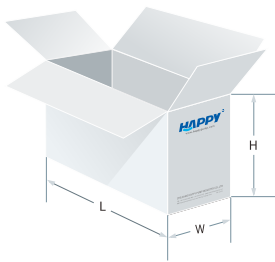
※ **Mechanical seal:**

Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	VPm45	1"×1"	5.8	280×160×180
B	VPm80	1"×1"	10	345×185×215



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
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 **8m**

### Component

※ **Pump body:**

### Construction

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

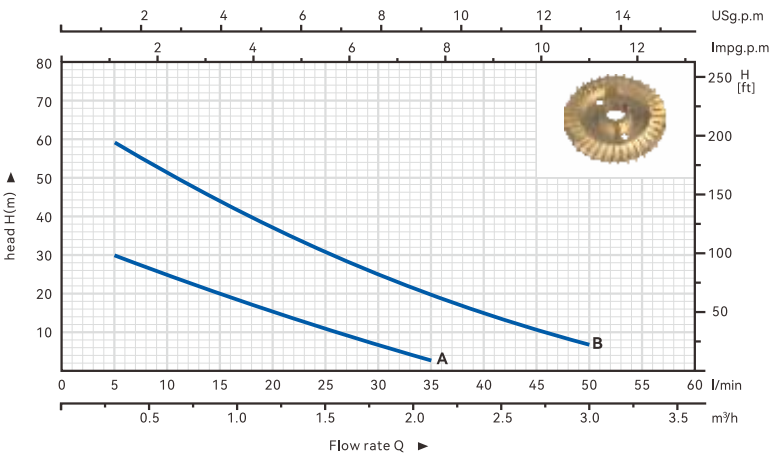
※ **Motor shaft:**

Carbon steel, AISI 304 SS if request

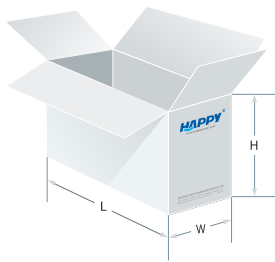
※ **Mechanical seal:**

Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	VP5M	1"×1"	5.8	295×180×200
B	VP10M	1"×1"	10	343×193×230



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

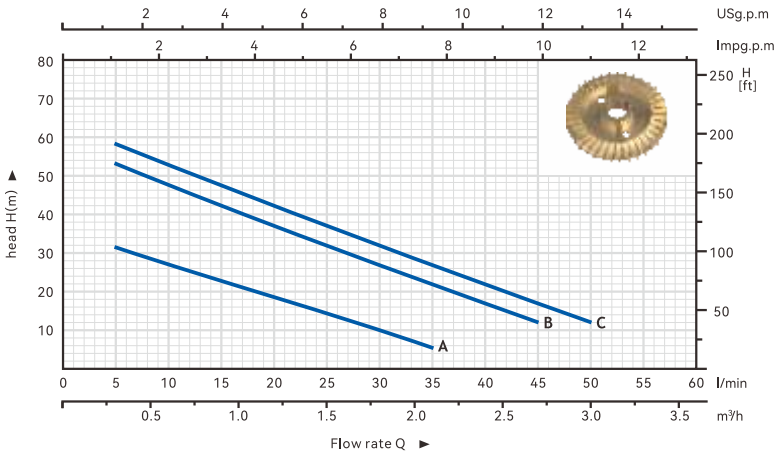
### Component

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

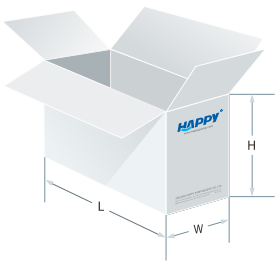
### Construction

- Cast iron + AISI304 SS insert
- Cast iron (electrophoresis) + AISI304 SS insert
- Aluminum
- Brass
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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		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
		kW	HP		0	5	10	15	20	25	30	35	40	45	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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

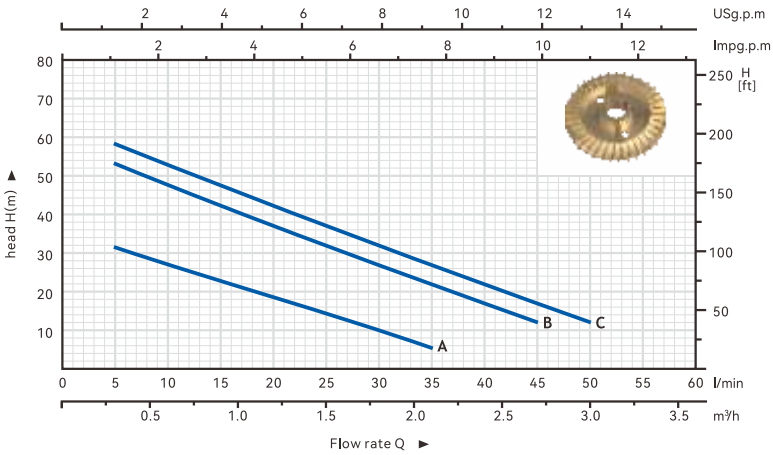
### Component

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

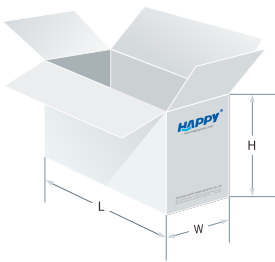
### Construction

- Cast iron + AISI304 SS insert
- Pure brass
- Aluminum
- Brass
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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		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
		kW	HP		0	5	10	15	20	25	30	35	40	45	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



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 **8m**

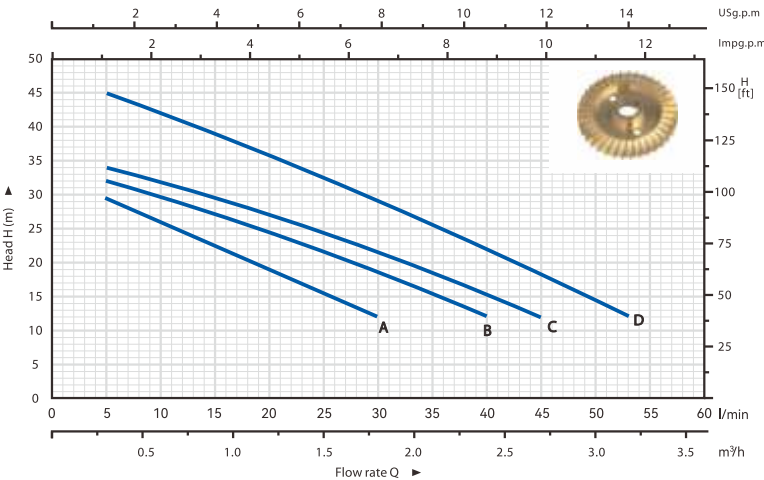
### Component

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

### 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	POWER		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	3.18
		kW	HP		0	5	10	15	20	25	30	35	40	45	50	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

# 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 **9m**

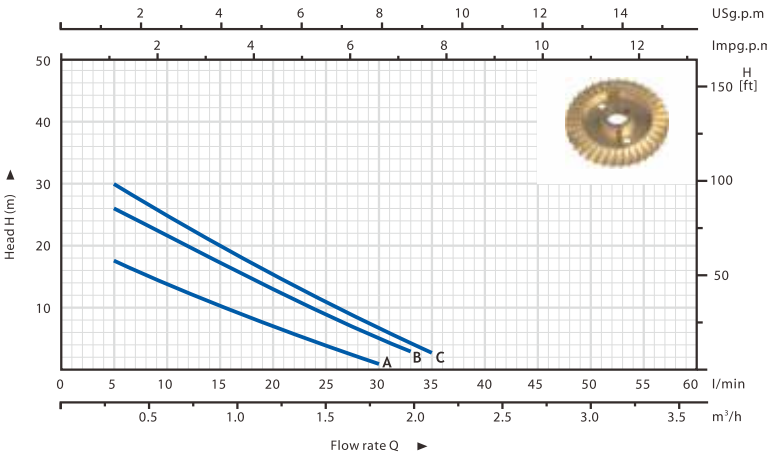
### Component

- ※ **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

### 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	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP		0	5	10	15	20	25	30	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

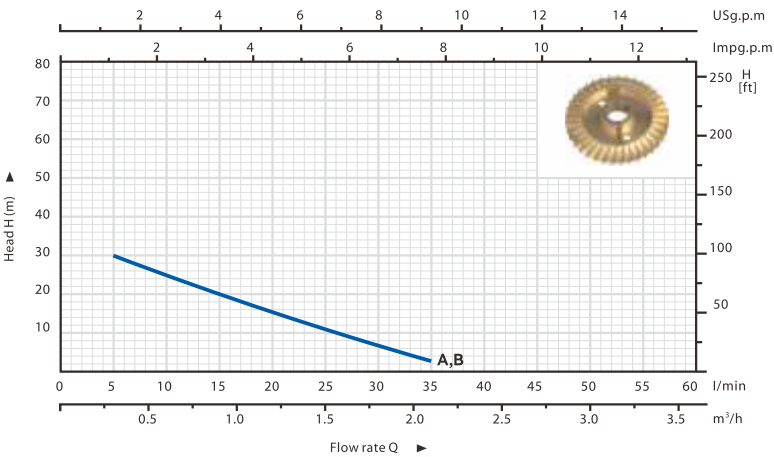


PS-126



PS-130

### PERFORMANCE CHART AT n=2850RPM



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

### 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 **9m**

### Component

※ **Pump body:**

### Construction

Cast iron, with brass/AISI 304 SS insert if request

※ **Pump cover:**

Cast iron, Pure brass if request

※ **Motor housing:**

Sheet steel

※ **Impeller:**

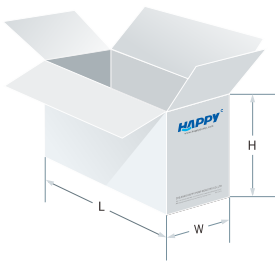
Brass

※ **Motor shaft:**

Carbon steel, AISI304 SS if request

※ **Mechanical seal:**

Ceramic/Graphite



# PS

## Self-priming peripheral pumps

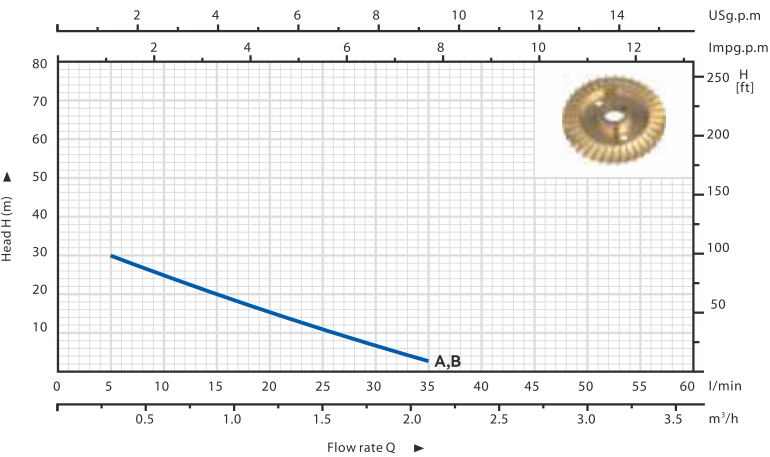


PS-130B

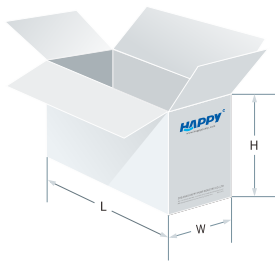


PS-130C

### PERFORMANCE CHART AT n=2850RPM



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



### 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 **9m**

### Component

※ **Pump body:**

### Construction

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



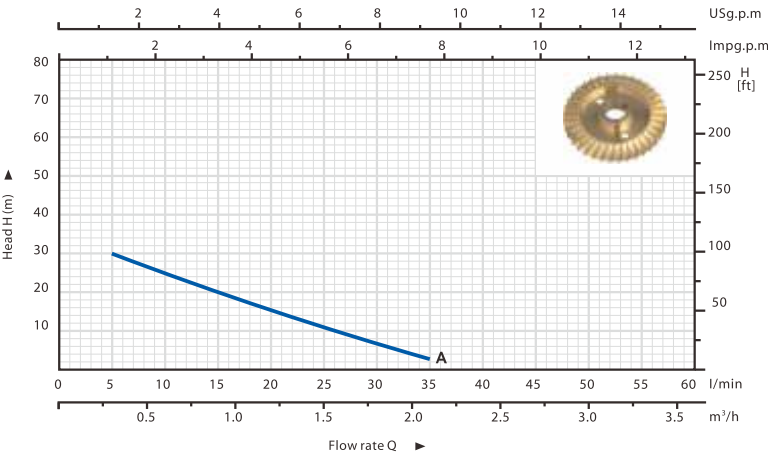
# GP

## Self-priming peripheral pump



GP-125

### PERFORMANCE CHART AT n=2850RPM



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

### 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

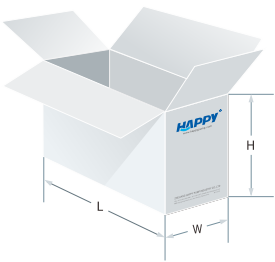
### Operating conditions

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

### Component

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

### Construction



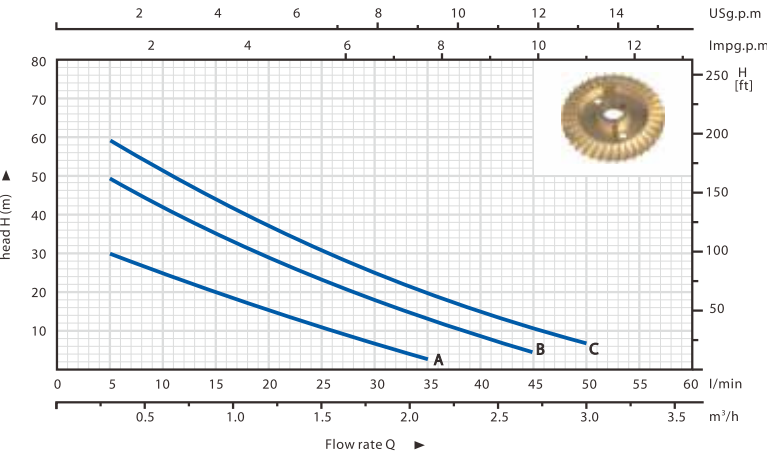
# HKS

## Self-priming peripheral pumps

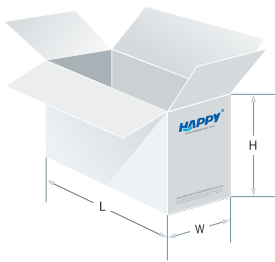


HKS

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
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



### 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 **9m**

### Component

- ※ **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

### Construction

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

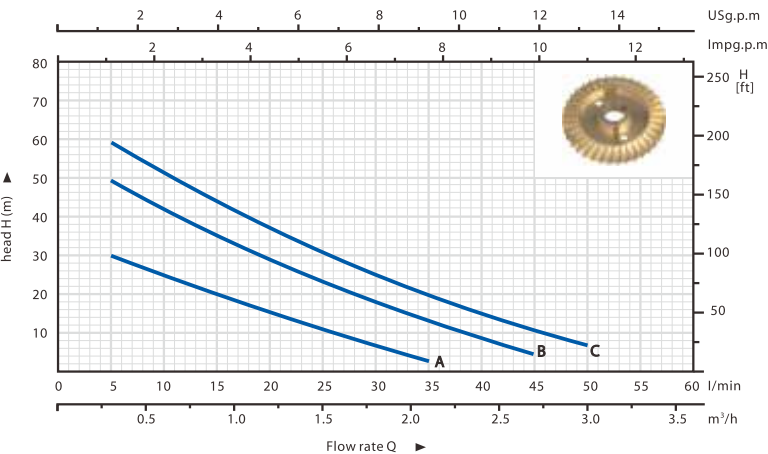
# HKS-C-A

## Self-priming peripheral pumps



HKS-C-A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP	Q(l/min)	0	5	10	15	20	25	30	35	40	45	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

### 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

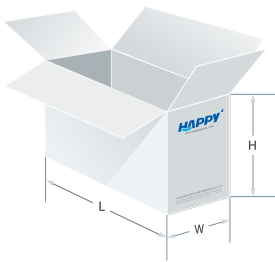
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

- ※ **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

### 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



## Self-priming peripheral pumps

Professional  
manufacturer of water pumps



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

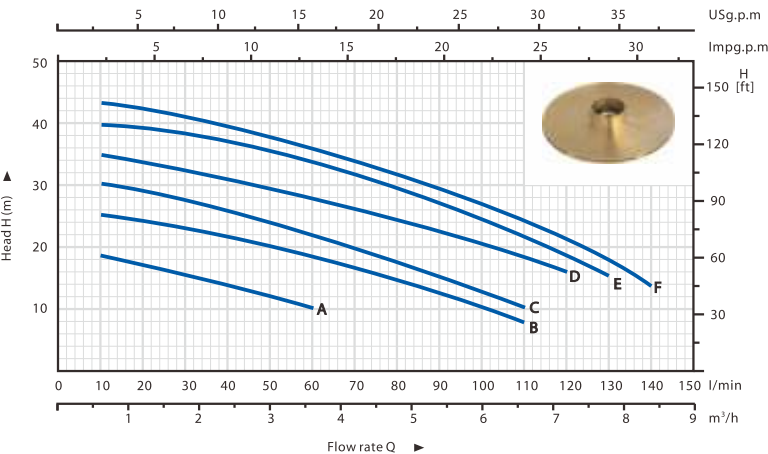
### Component

- ※ **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

### Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	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
		kW	HP																
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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

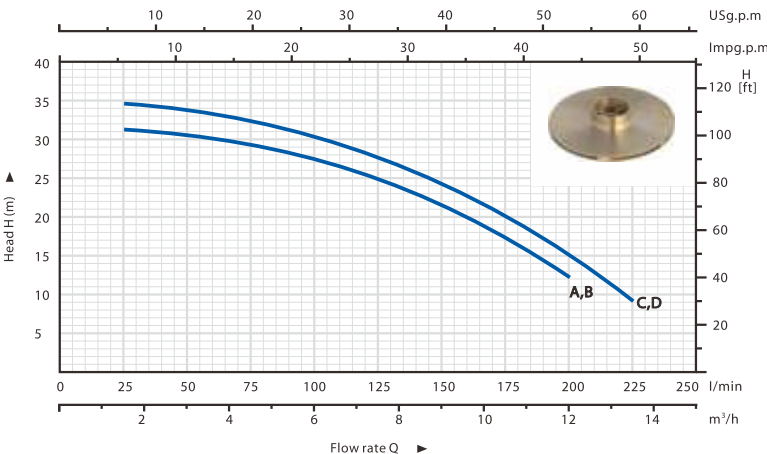
### Component

- ※ **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

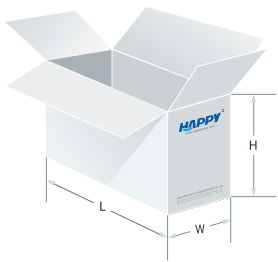
### Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
		kW	HP											
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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

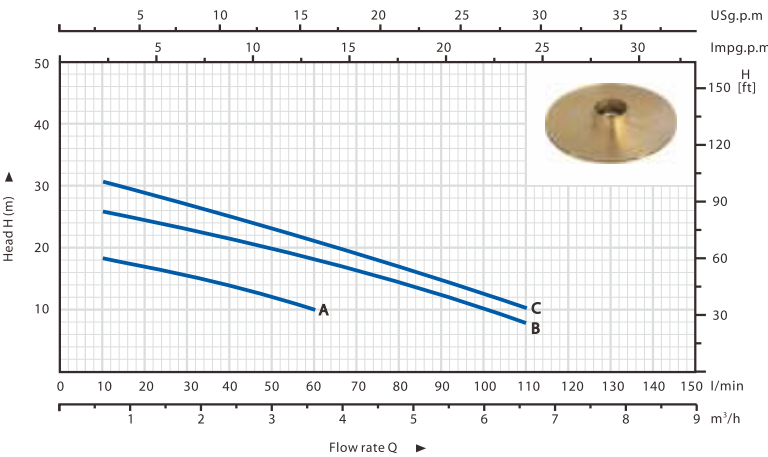
### Component

- ※ **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

### Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		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
		kW	HP		0	10	20	30	40	50	60	70	80	90	100	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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

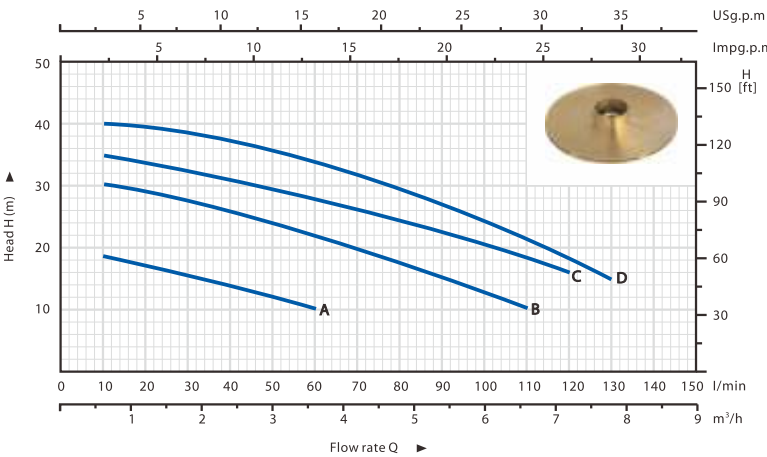
### Component

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

### Construction

- Cast iron
- Aluminum
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		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
		kW	HP		0	10	20	30	40	50	60	70	80	90	100	110	120	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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

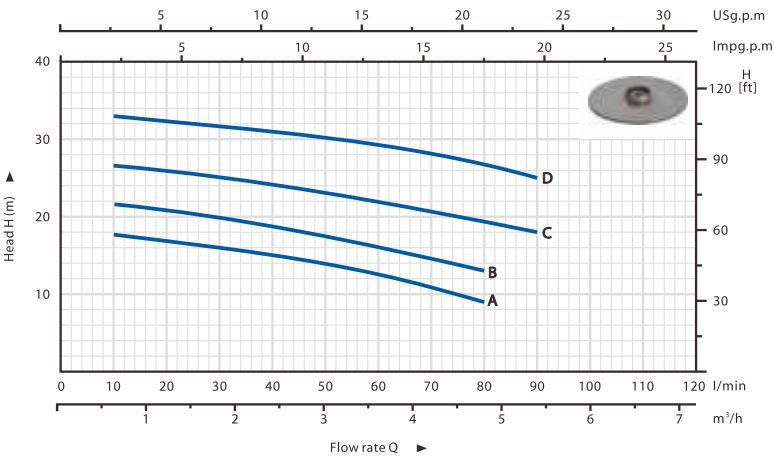
### Component

- ※ **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

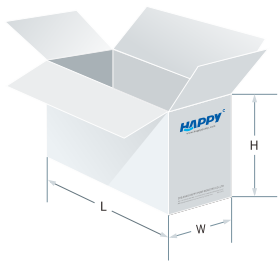
### Construction

- ※ **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	N.W	L x W x H
		(Inch)	(Kg)	(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		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP											
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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

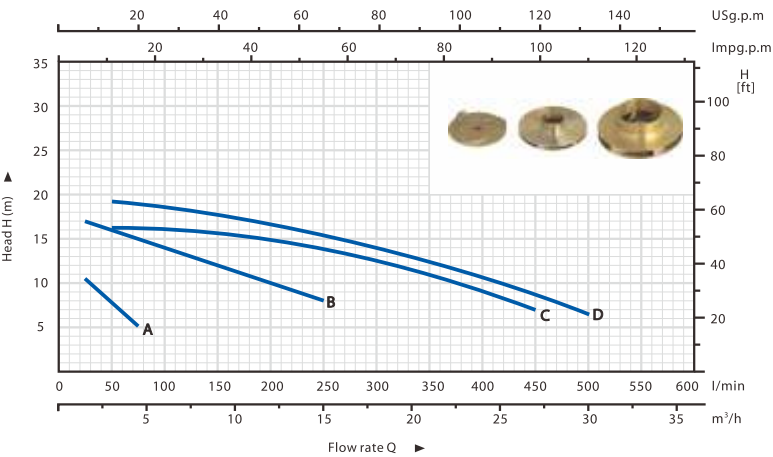
### Component

- ※ **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

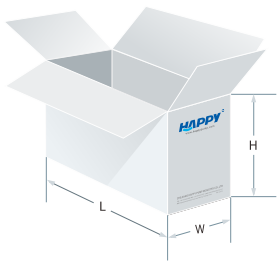
### Construction

- ※ **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	1DK-14	1"×1"	7.3	275×180×195
B	1.5DK-20	1½"×1½"	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		Q(m³/h)	0	1.5	3	4.5	6	9	12	15	18	21	24	27	30
		kW	HP														
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



HCK

### 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 **8m**

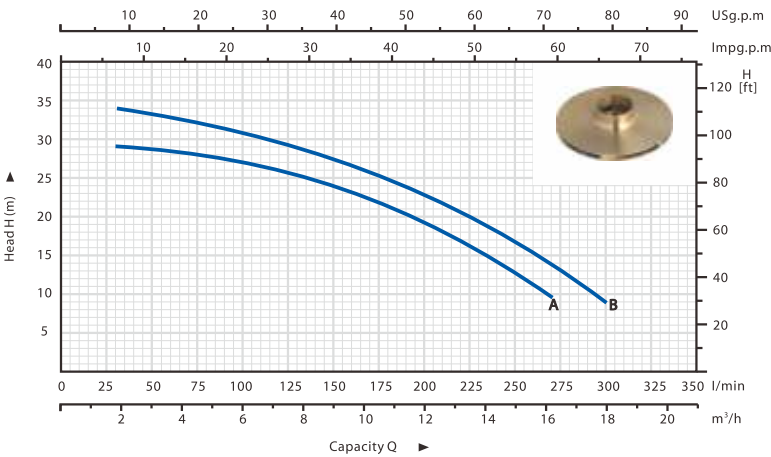
### Component

- ※ **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

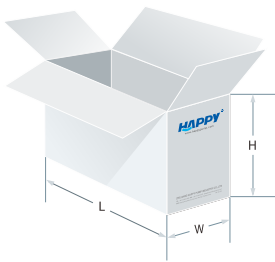
### Construction

- ※ **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	HCK-30	1 1/2" x 1"	19	360x225x285
B	HCK-36	1 1/2" x 1"	20	360x225x285



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18
		kW	HP			0	30	60	90	120	150	180	210	240	270	300
A	HCK-30	1.1	1.5	H	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



HCPF

### 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 **8m**

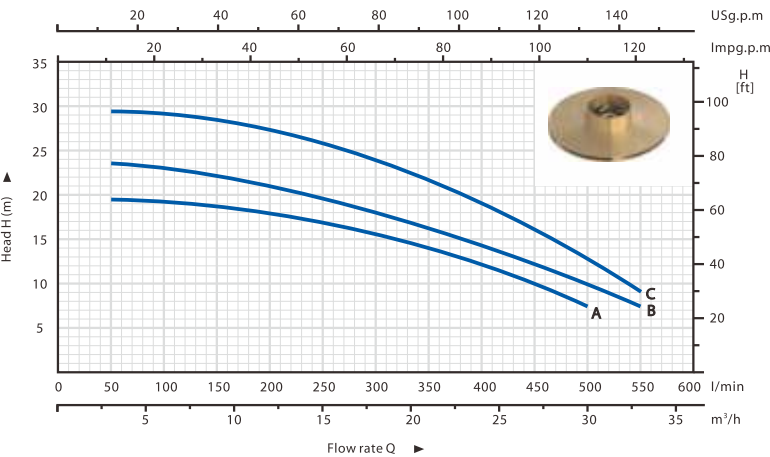
### Component

- ※ **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

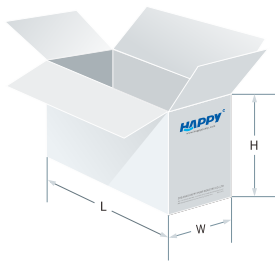
### Construction

- ※ **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	HCPF-60	2" x 2"	22.5	410x240x310
B	HCPF-70	2" x 2"	23.5	410x240x310
C	HCPF-80	2" x 2"	28	430x240x310



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33
		kW	HP			0	50	100	150	200	250	300	350	400	450	500	550
A	HCPF-60	1.1	1.5	H	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



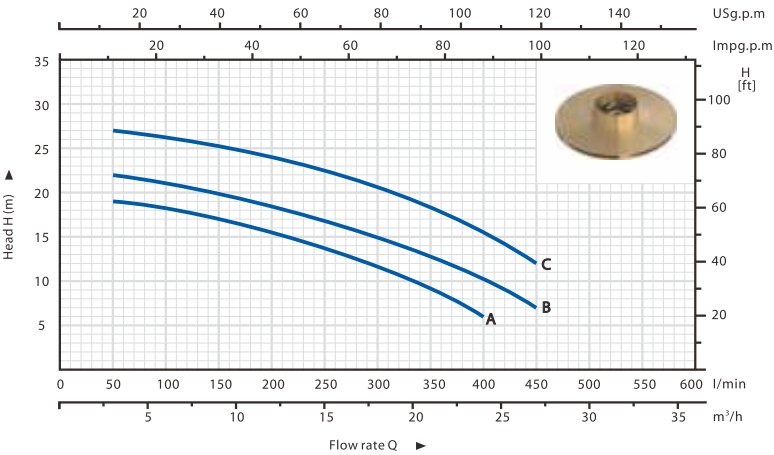
# HTm

## Centrifugal pumps



HTm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24	27
		kW	HP		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

### 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

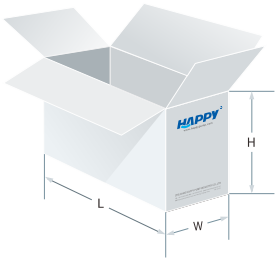
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

### Component

- ※ **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

### 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



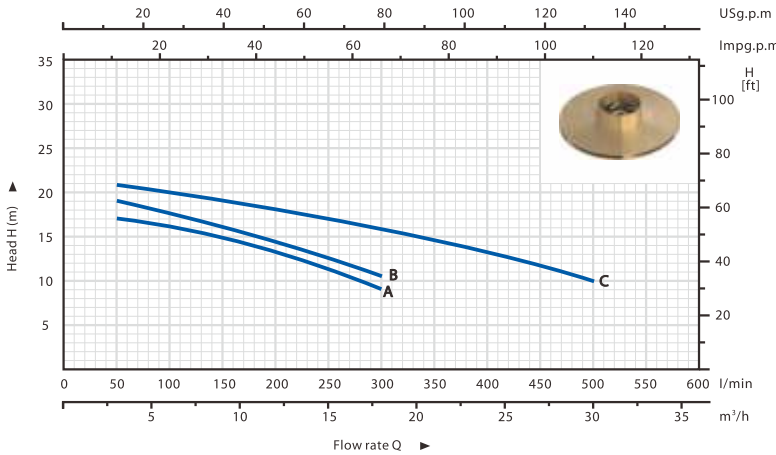
# HGA

## Centrifugal pumps

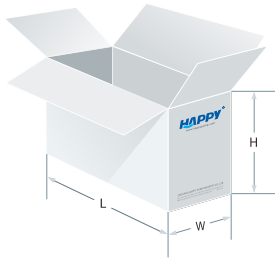


HGA

PERFORMANCE CHART AT n=2850RPM



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



### 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 **8m**

### Component

- ※ **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

### 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

# HFM

## Centrifugal pumps

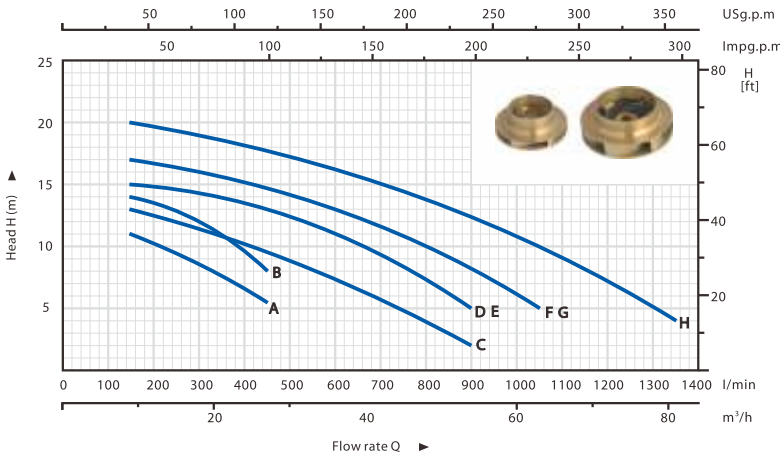


HFM-75



HFM-95

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	9	18	27	36	45	54	63	72	81
		kW	HP	Q(l/min)										
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

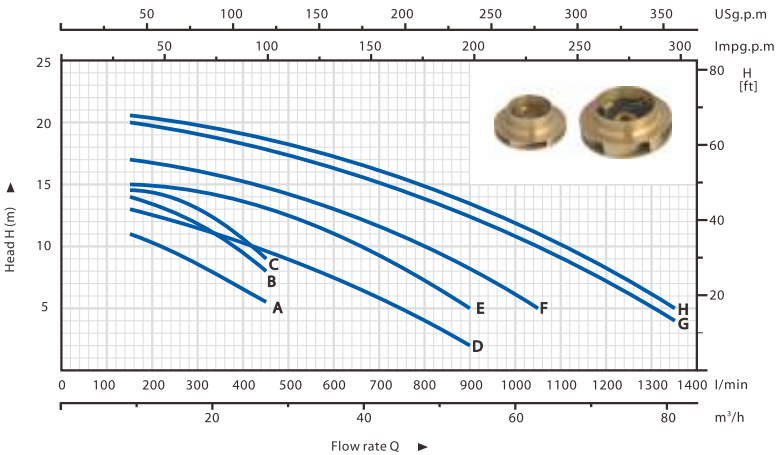


HNF-130C



HNF-131A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	9	18	27	36	45	54	63	72	81
		kW	HP	Q(l/min)										
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

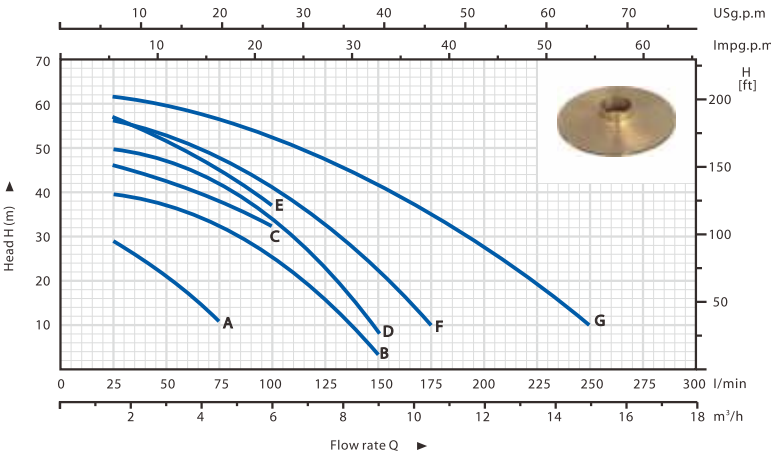


2HCP-160



2HCP-200

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15
		kW	HP		0	25	50	75	100	125	150	175	200	225	250
A	2HCP-130	0.75	1	H	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		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

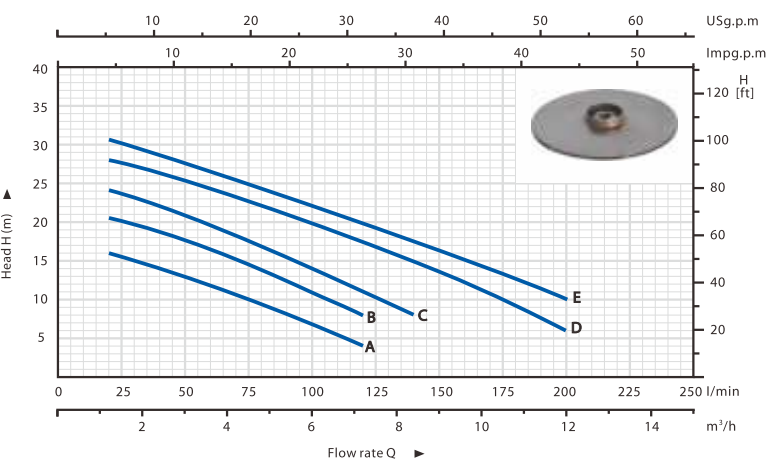
# HCT-S

## Centrifugal pumps

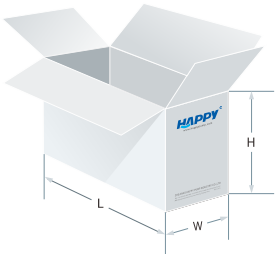


HCT-S

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		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
		kW	HP		0	20	40	60	80	100	120	140	160	180	200
A	HCT-18S	0.37	0.5	H	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		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



# 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 brases
- ※ 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 6666 l/min (400 m³/h)
- ※ Head up to 115m
- ※ Power up to 160kW
- ※ Diameter up to 125mm

### Application limits

- ※ Manometric suction lift up to 8m
- ※ Liquid temperature between -10°C and +120°C
- ※ Ambient temperature between -10°C and +40°C
- ※ Max.pressure in pump body 16bar (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=2.2kW 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		Q(m³/h) Q(l/min)	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	
			kW	HP		0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	
1	HST(m)32-125/7	50×32	0.75	1	H	17.5	16.7	15	12	9													
2	HST(m)32-125/11	50×32	1.1	1.5		22	21	19.7	16.5	14.5	9												
3	HST(m)32-160/15	50×32	1.5	2		25.4	23.7	22.5	18.5	15.8													
4	HST(m)32-160/22	50×32	2.2	3		31	29.6	28.5	24.5	22	15												
5	HST(m)32-160/30	50×32	3	4		35	34.3	32.5	28	25.5	19	15											
6	HST(m)32-200/30	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	HST(m)40-125/11	65×40	1.1	1.5		14.7				13	11.5	10.1	5.8										
16	HST(m)40-125/15	65×40	1.5	2		18.1				17	15	13.9	10	6									
17	HST(m)40-125/22	65×40	2.2	3		24.5				23.2	21.5	20.2	16	13	8.3								
18	HST(m)40-160/30	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		90				85.5	82.8	80.7	75.8	70.5	66.5								
26	HST(m)50-125/22	65×50	2.2	3		17								15.4	14	12.8	11.5	6.5					
27	HST(m)50-125/30	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

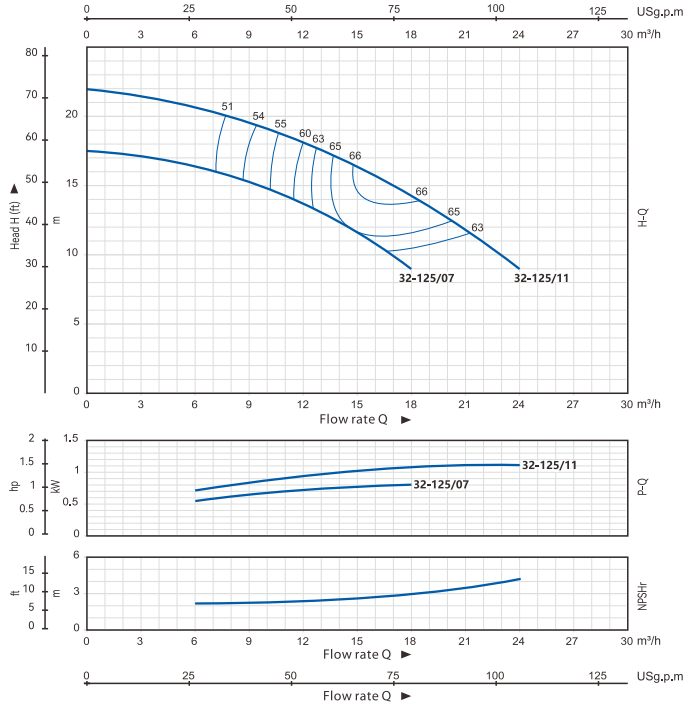
## Standard centrifugal pumps

NO.	MODEL	DN (mm)	POWER		Q(m³/h) Q(l/min)	0	6	9	15	18	24	27	36	42	48	54	72	84	90
			kW	HP		0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500
49	HST65-315/450	80×65	45	60	H	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

# HST

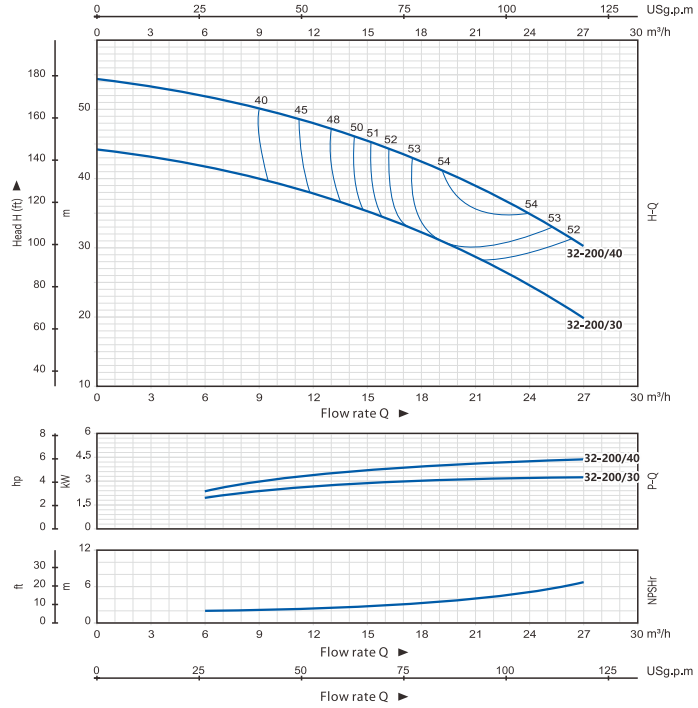
## Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



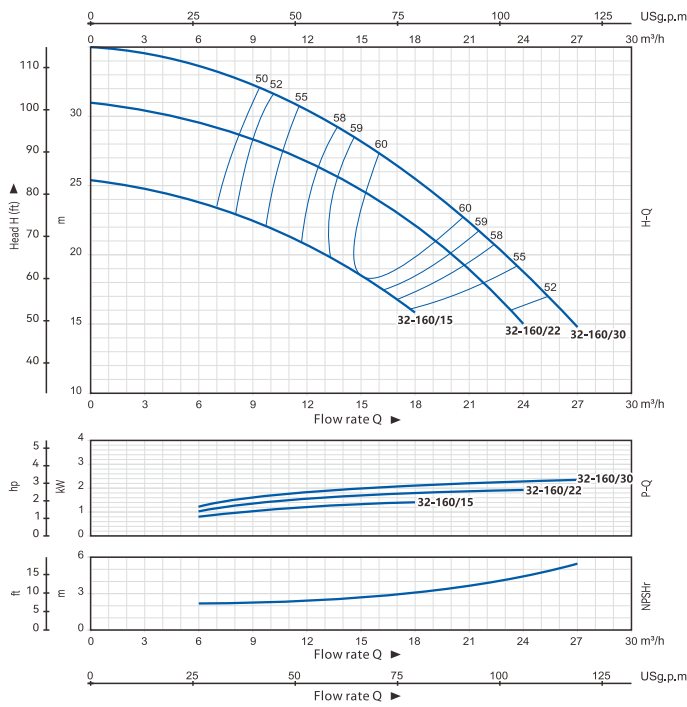
32-125

PERFORMANCE CHART AT n=2900RPM



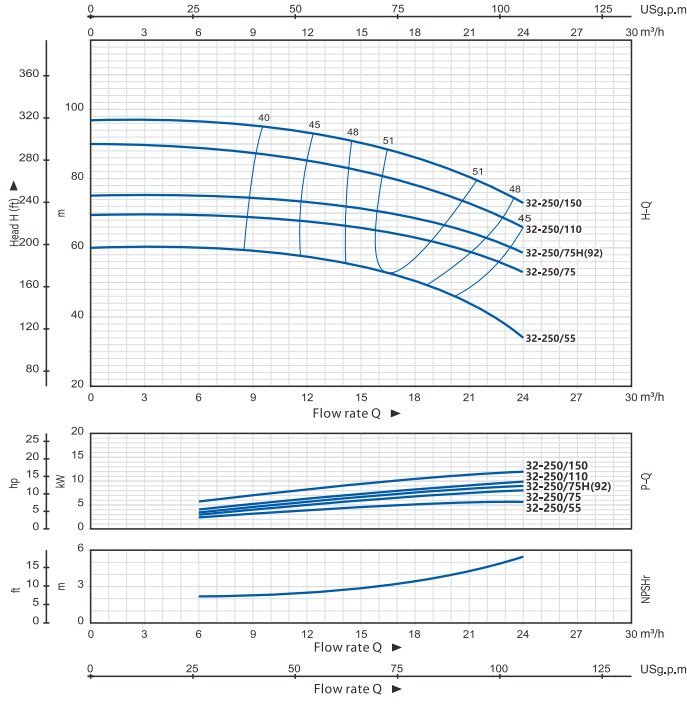
32-200

PERFORMANCE CHART AT n=2900RPM



32-160

PERFORMANCE CHART AT n=2900RPM



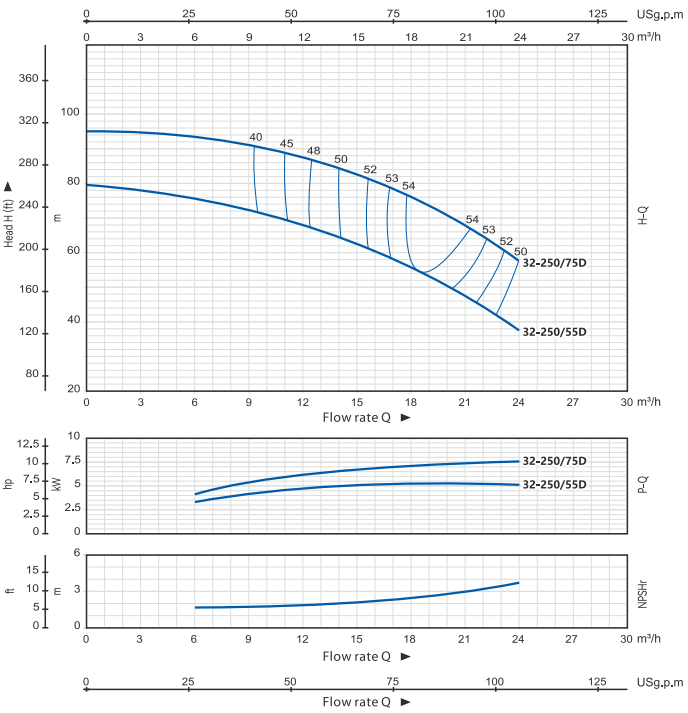
32-250

# HST

## Standard centrifugal pumps

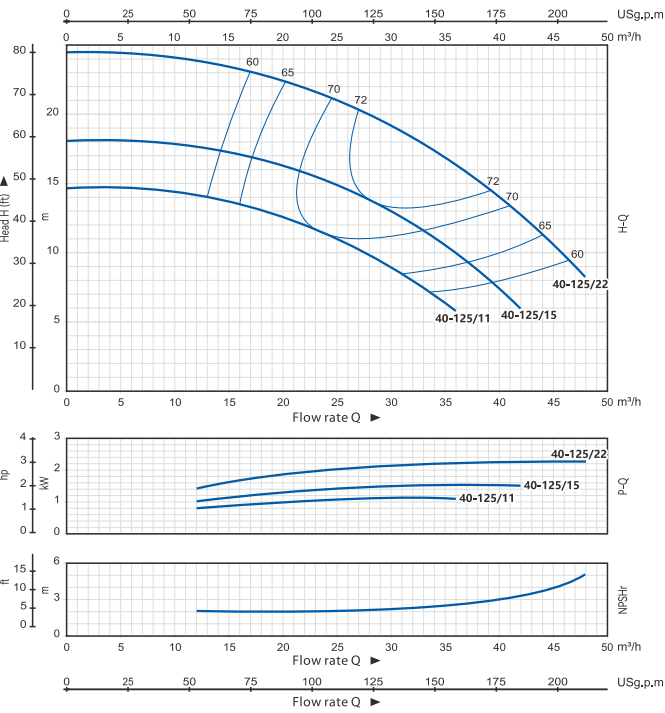


PERFORMANCE CHART AT n=2900RPM



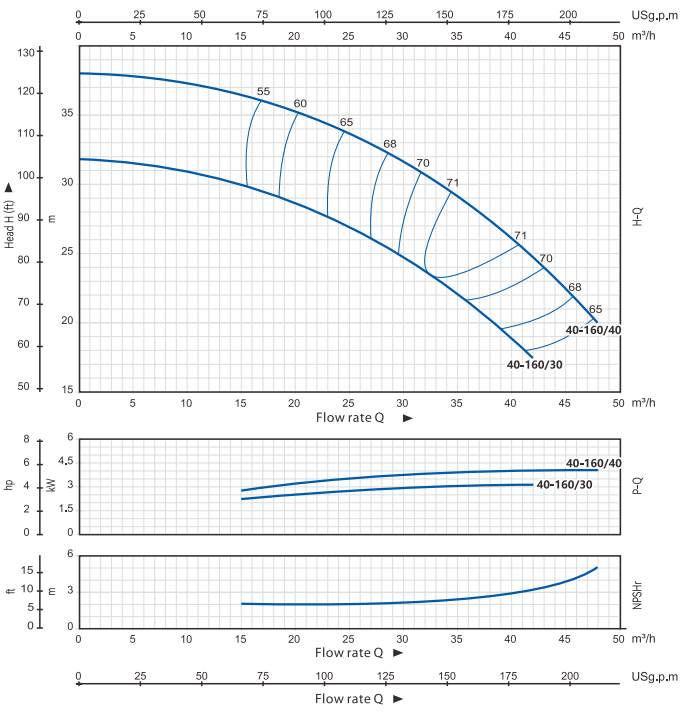
32-250D

PERFORMANCE CHART AT n=2900RPM



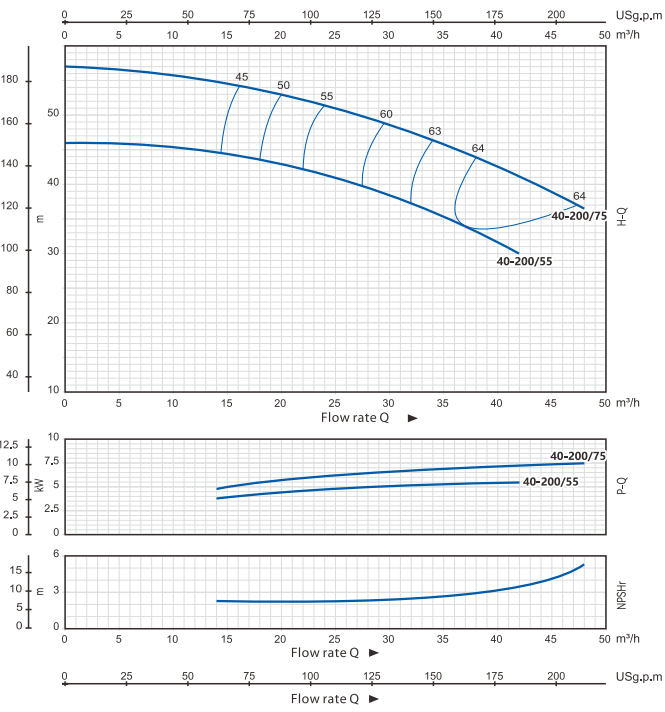
40-125

PERFORMANCE CHART AT n=2900RPM



40-160

PERFORMANCE CHART AT n=2900RPM



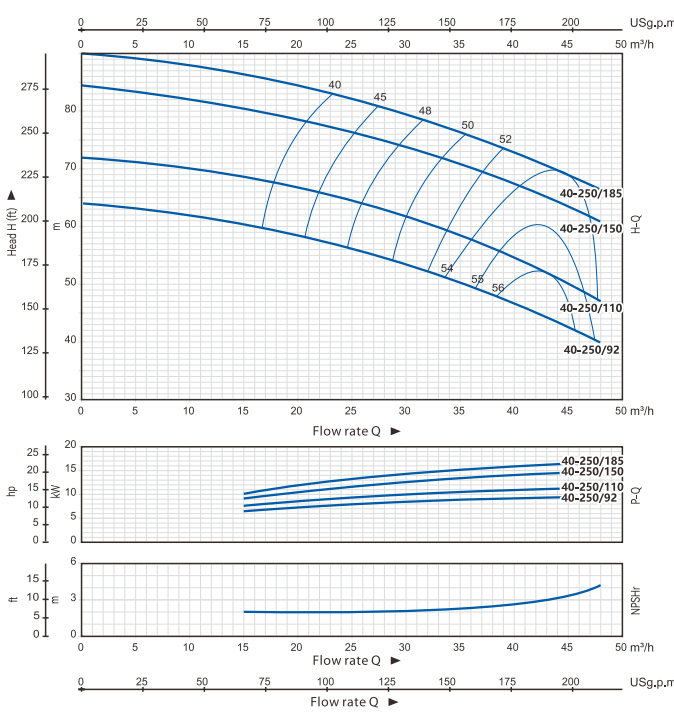
40-200

# HST

## Standard centrifugal pumps

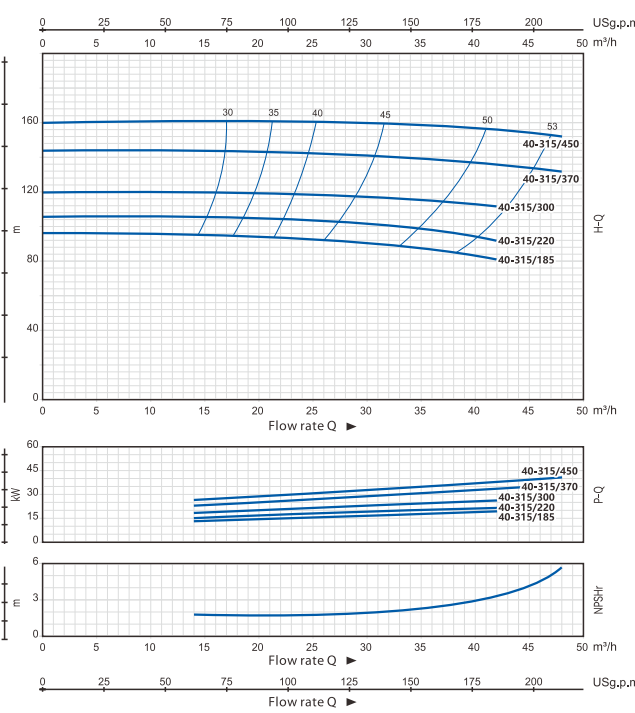


PERFORMANCE CHART AT n=2900RPM



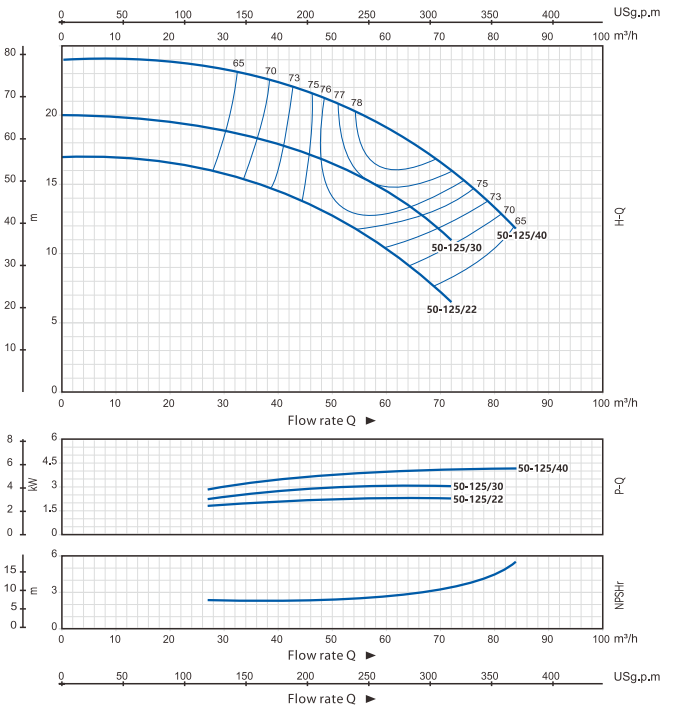
40-250

PERFORMANCE CHART AT n=2900RPM



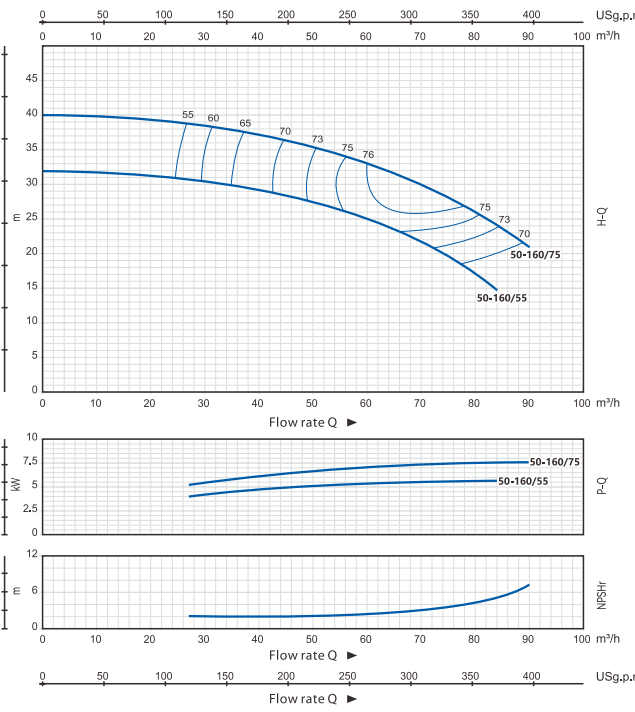
40-315

PERFORMANCE CHART AT n=2900RPM



50-125

PERFORMANCE CHART AT n=2900RPM



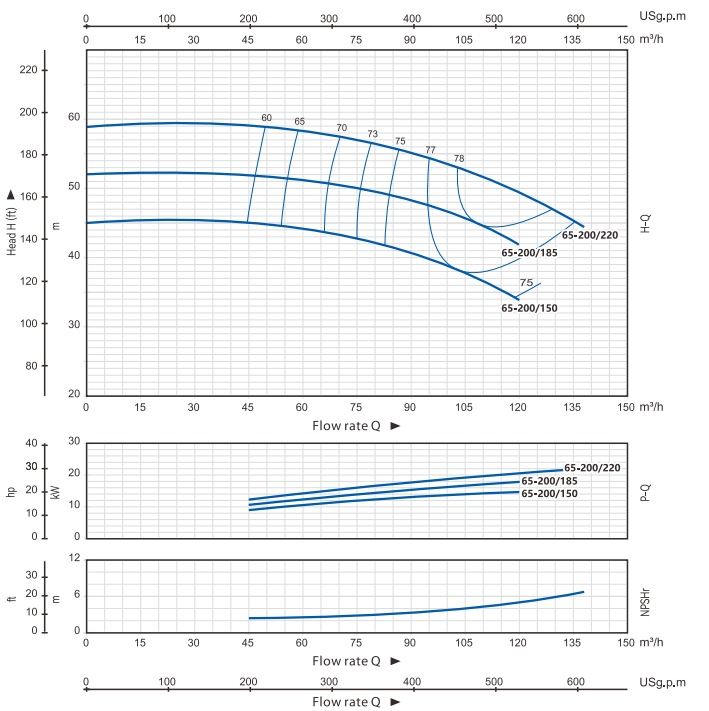
50-160



## Standard centrifugal pumps

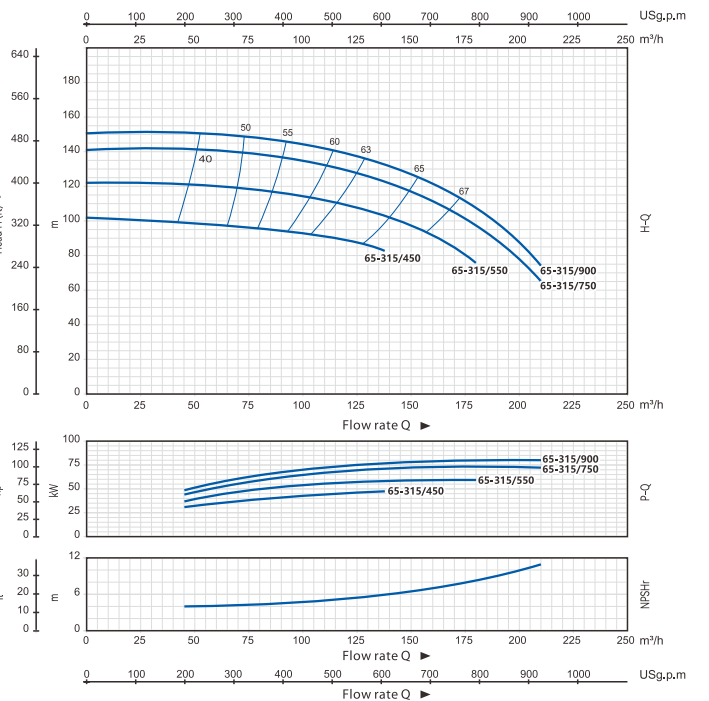


### PERFORMANCE CHART AT n=2900RPM



**65-200**

### PERFORMANCE CHART AT n=2900RPM



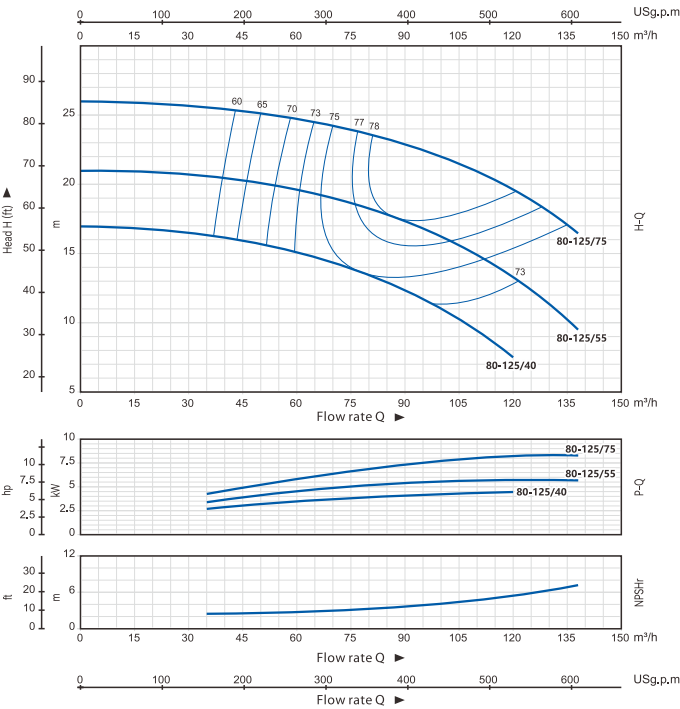
65-315

# HST

## Standard centrifugal pumps

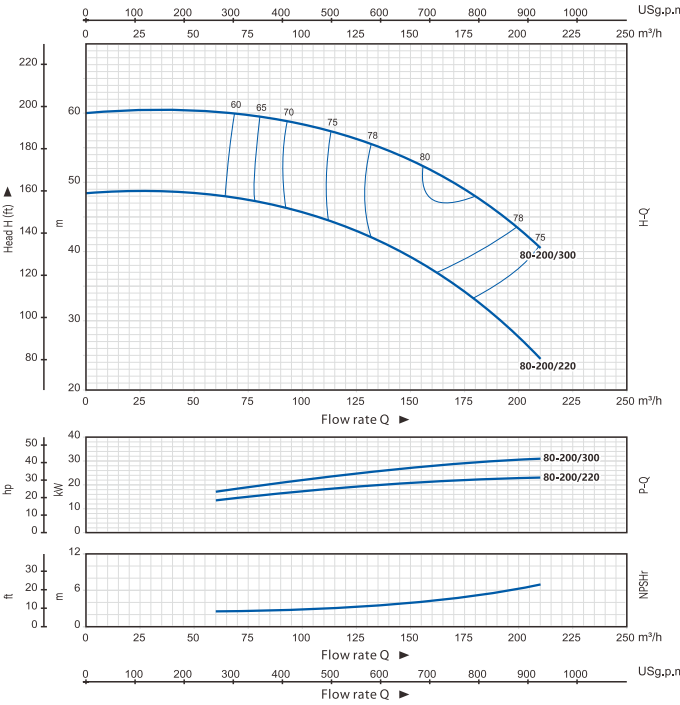


PERFORMANCE CHART AT n=2900RPM



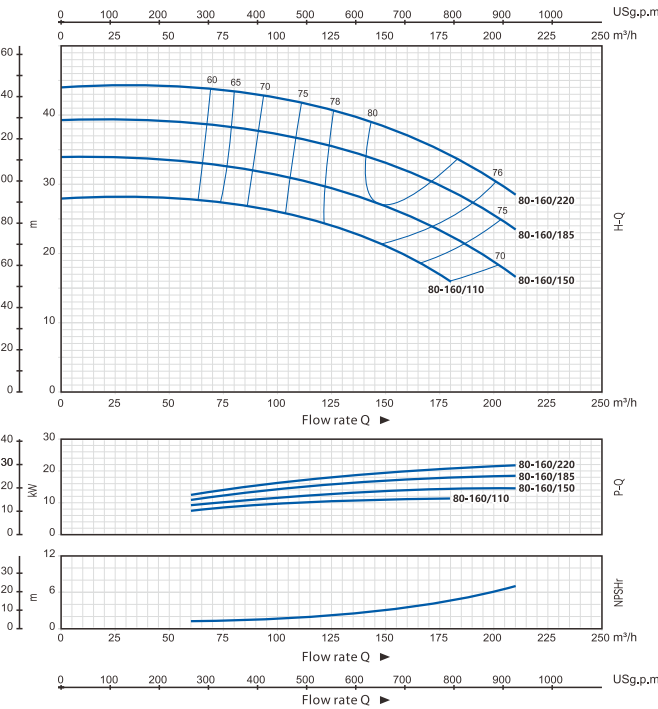
80-125

PERFORMANCE CHART AT n=2900RPM



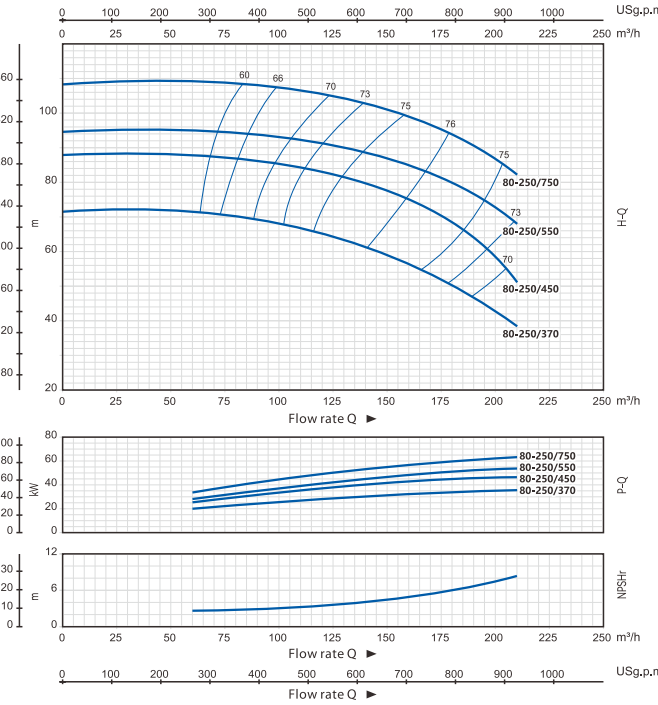
80-200

PERFORMANCE CHART AT n=2900RPM



80-160

PERFORMANCE CHART AT n=2900RPM



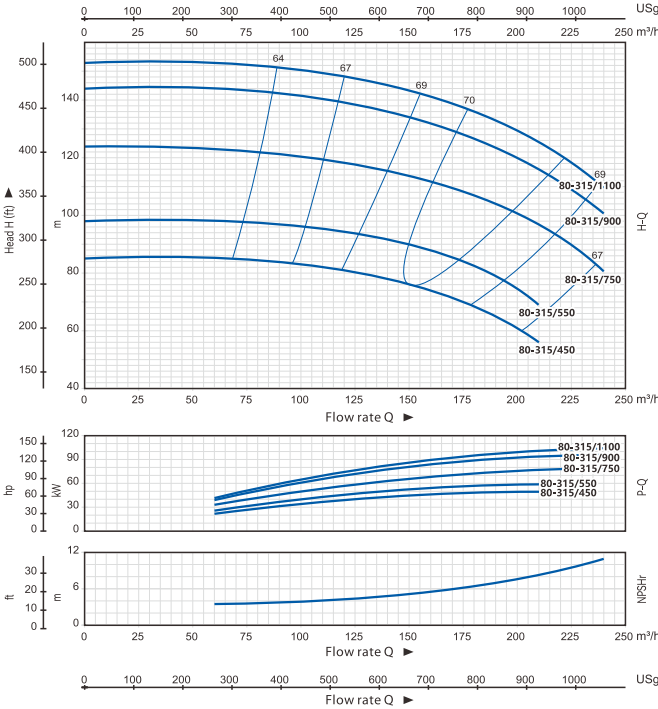
80-250

# HST

## Standard centrifugal pumps

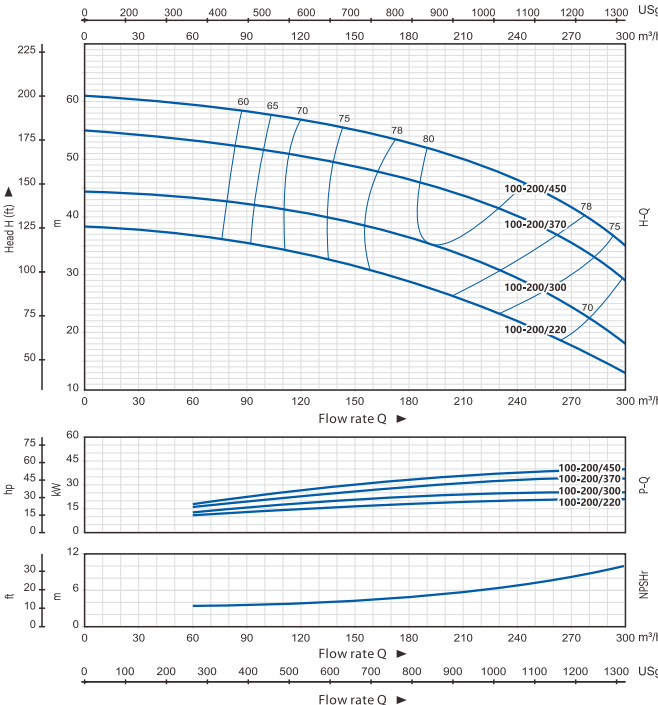


PERFORMANCE CHART AT n=2900RPM



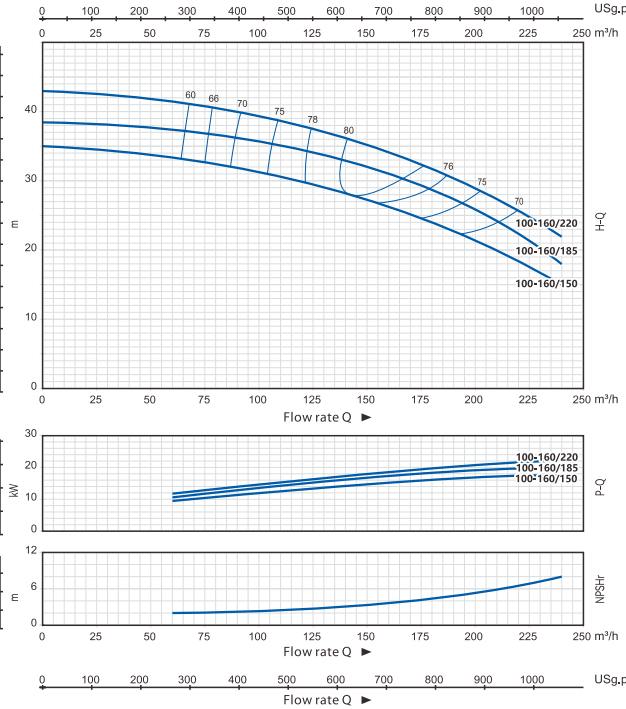
80-315

PERFORMANCE CHART AT n=2900RPM



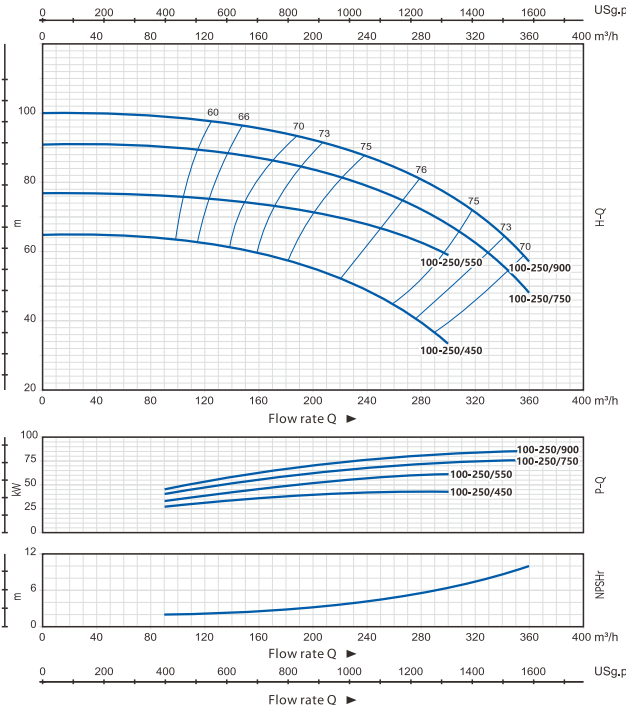
100-200

PERFORMANCE CHART AT n=2900RPM



100-160

PERFORMANCE CHART AT n=2900RPM



100-250

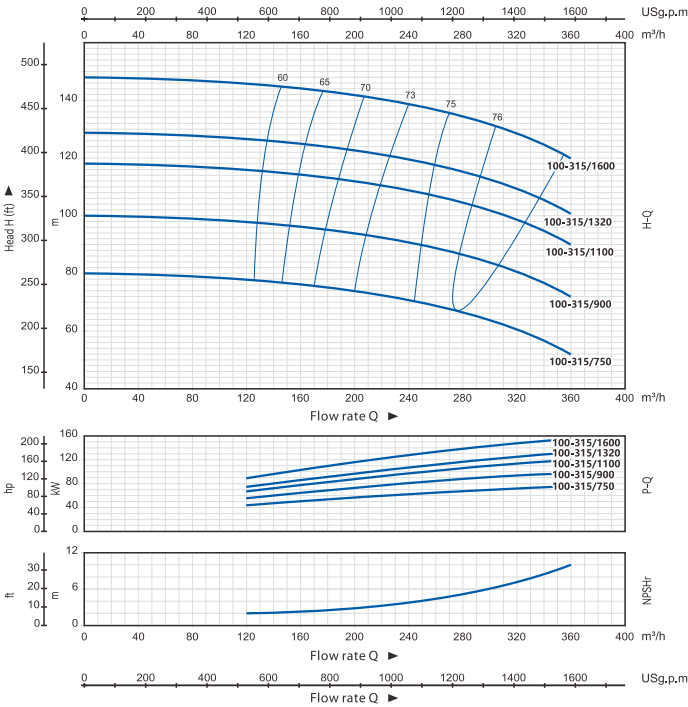


# HST

## Standard centrifugal pumps

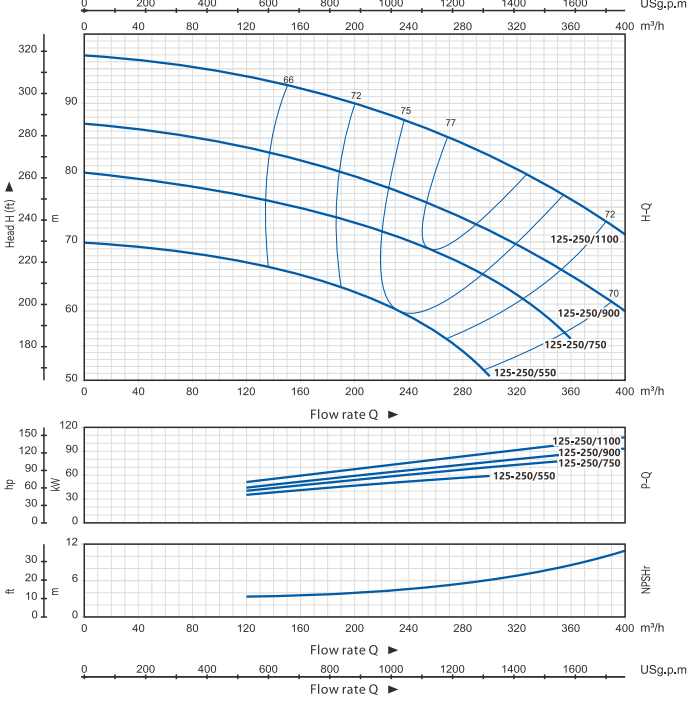


### PERFORMANCE CHART AT n=2900RPM



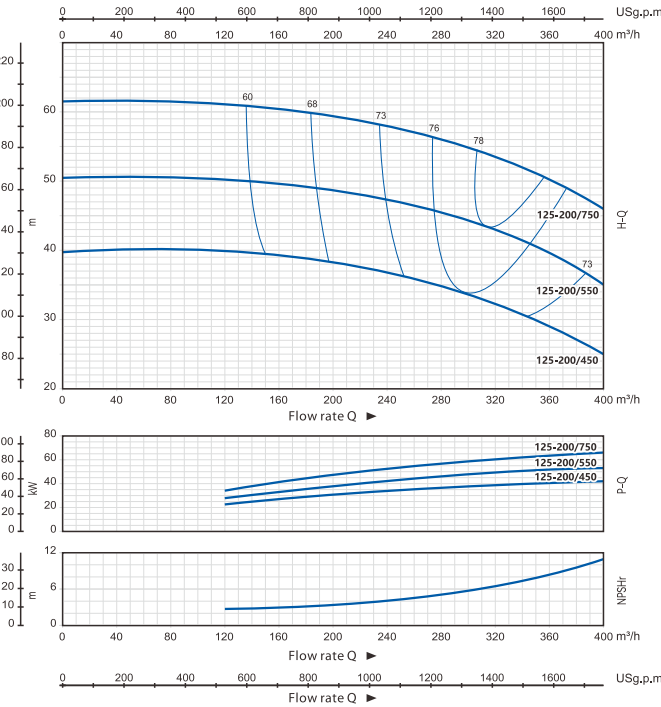
100-315

### PERFORMANCE CHART AT n=2900RPM



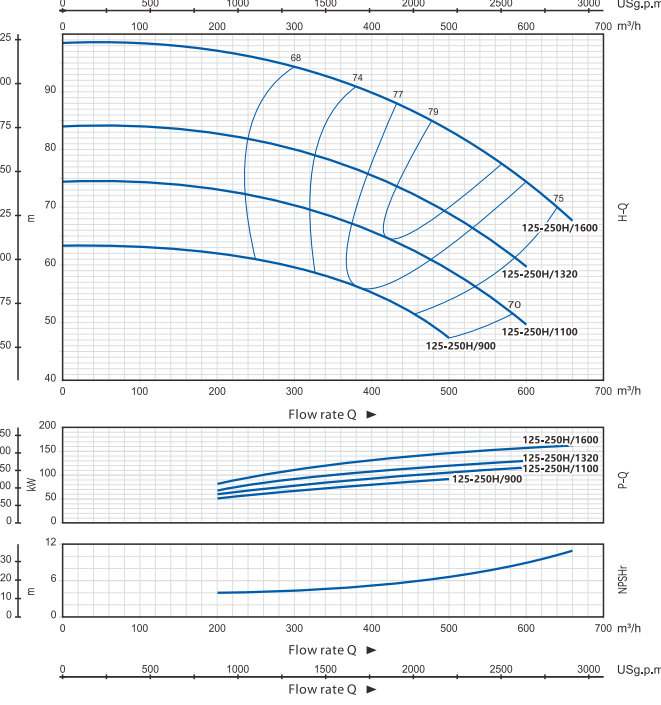
125-250

### PERFORMANCE CHART AT n=2900RPM



125-200

### PERFORMANCE CHART AT n=2900RPM



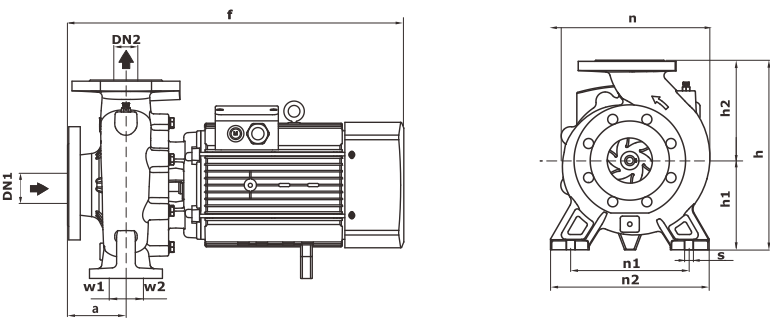
125-250H

# HST

## Standard centrifugal pumps



### DIMENSIONS AND WEIGHT

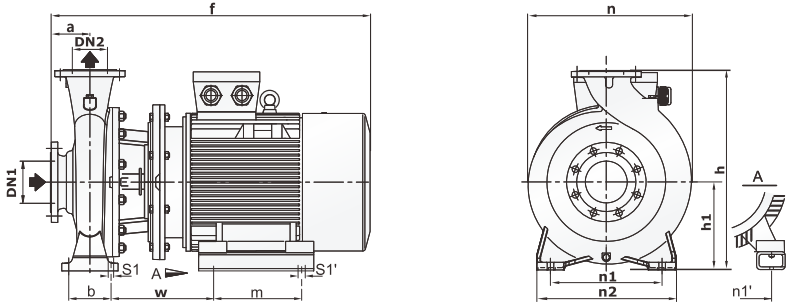


MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm													kg					
	DN1	DN2	a	f	h	h1	h2	n	n1	n2	w1	w2	s	3~					
HST32-125/7	50	32	80	435	255	114	141	202	140	190	35	35	15	24					
HST32-125/11			83	435	295	133	162	245	190	245				25					
HST32-160/15														34					
HST32-160/22				39															
HST32-160/30			50																
HST32-200/30			52																
HST32-200/40			53																
HST32-250/55			88	590	405	186	219	333	250	328	49	49	16	66					
HST32-250/75														73					
HST32-250/92														80					
HST32-250/110														95					
HST32-250/150	125																		
HST32-250/55D-75D	160	610	362	162	200	330	216	280	37	37	14	73/180							
HST40-125/11	65	40	82	440	260	116	144	220				160	212	49	49	15	27		
HST40-125/15																	29		
HST40-125/22																	34		
HST40-160/30																	48		
HST40-160/40									50										
HST40-200/55-75			102	560	345	162	193	282	214	267	66/73								
HST40-250/92			94	712	415	186	229	327	250	327	49	49	15	100					
HST40-250/110														116					
HST40-250/150														146					
HST40-250/185														155					
HST50-125/22														41					
HST50-125/30	102	525	305	135	170	263	190	245	37	37	15	50							
HST50-125/40												52							
HST50-160/55-75												64/71							
HST50-200/92												90							
HST50-200/110												106							
HST50-200/150	102	720	416	186	230	330	250	327	49	49	16	145							
HST50-250/150-185-220	148/153/183																		
HST65-125/40	80	65	104	580	345	162	193	275				212	280	49	49	16	56		
HST65-125/55-75																	68/74		
HST65-160/92																	90		
HST65-160/110			110	730	425	186	239	330	232	309	106								
HST65-160/150											134								
HST65-200/150-185-220											140/145/185								
HST80-125/40			100	80	117	750	357	163	194	330	212	280	55				55	16	56
HST80-125/55-75					68/74														
HST80-160/110					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

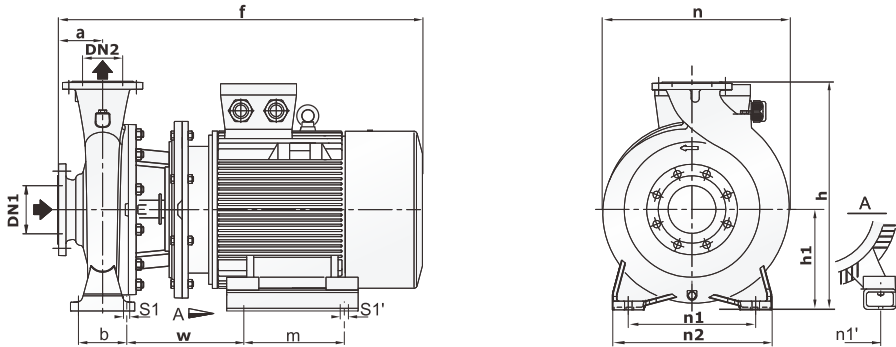


MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm															kg 3~
	DN1	DN2	a	f	h1	h	n	n1	n1'	n2	b	w	m	s1	s1'	
HST65-250/220	80	65	116	870	420	180	369	280	279	360	120	237	241	18	15	214
HST65-250/300	80	65	116	990	420	180	369	280	318	360	120	278	305	18	18	265
HST65-250/370	80	65	116	990	420	180	369	280	318	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

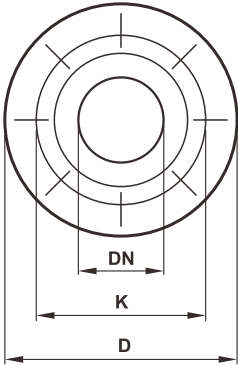
# HST

Standard centrifugal pumps

DIMENSIONS AND WEIGHT



MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm															kg 3~
	DN1	DN2	a	f	h1	h	n	n1	n1'	n2	b	w	m	s1	s1'	
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 FLANGES	D mm	K mm	HOLES	
			N	mm
32	140	100	4	18
40	150	110		
50	165	125		
65	185	145		
80	200	160	8	18
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

### Operating conditions

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

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** AISI304 SS
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite

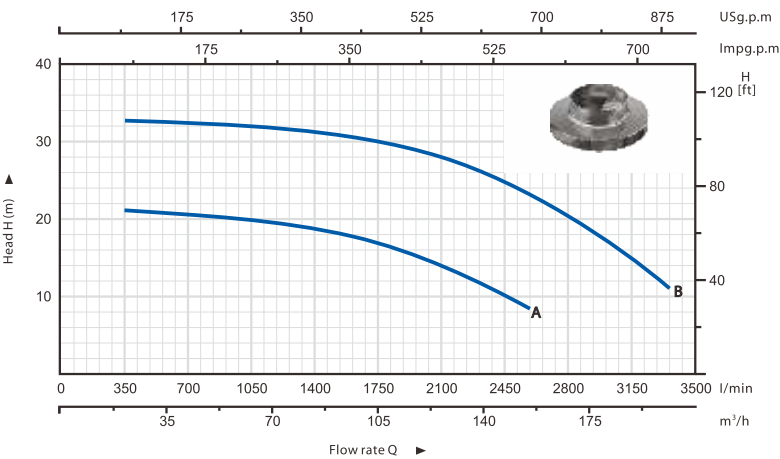
### Construction

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** AISI304 SS
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite

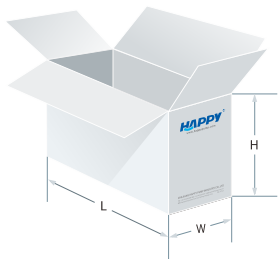


HS

### PERFORMANCE CHART AT n=2850RPM



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



NO.	MODEL	POWER		Q(m³/h)	0	75	100	125	150	175	200
		kW	HP	Q(l/min)	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, suitable 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°C**
- ※ Ambient temperature up to **40°C**

### Component

- ※ **Pump body:** AISI304 SS
- ※ **Motor housing:** AISI304 SS
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC

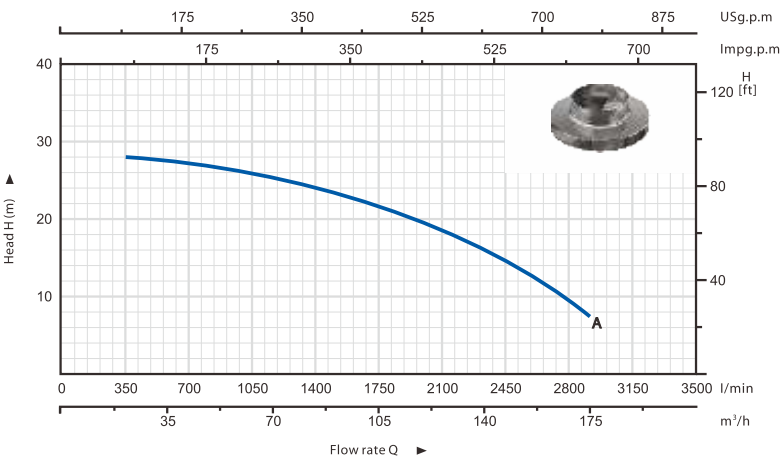
### Construction

- ※ **Pump body:** AISI304 SS
- ※ **Motor housing:** AISI304 SS
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC

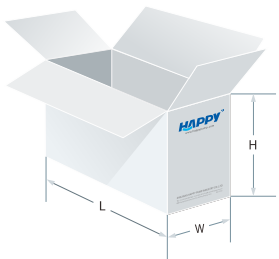


SL

### PERFORMANCE CHART AT n=2850RPM



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



NO.	MODEL	POWER		Q(m³/h)	0	50	75	100	125	150	175
		kW	HP	Q(l/min)	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

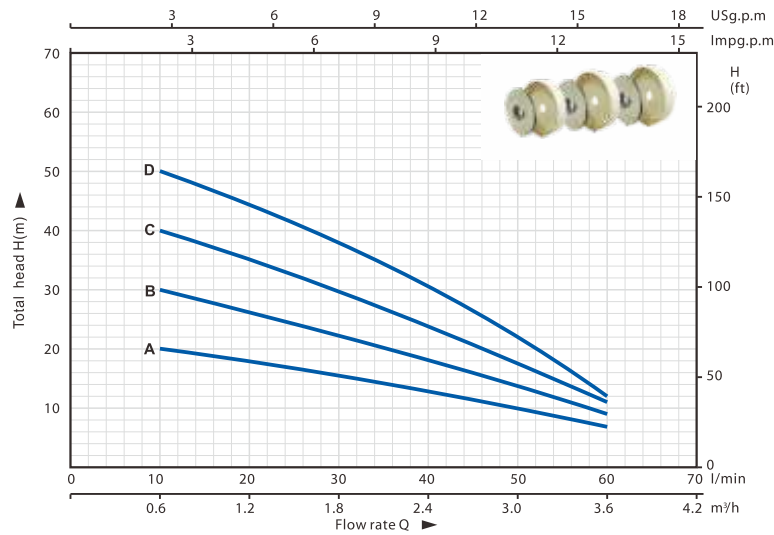
# HMC15-M

## Horizontal multistage pumps



HMC15-M

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
		kW	HP								
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

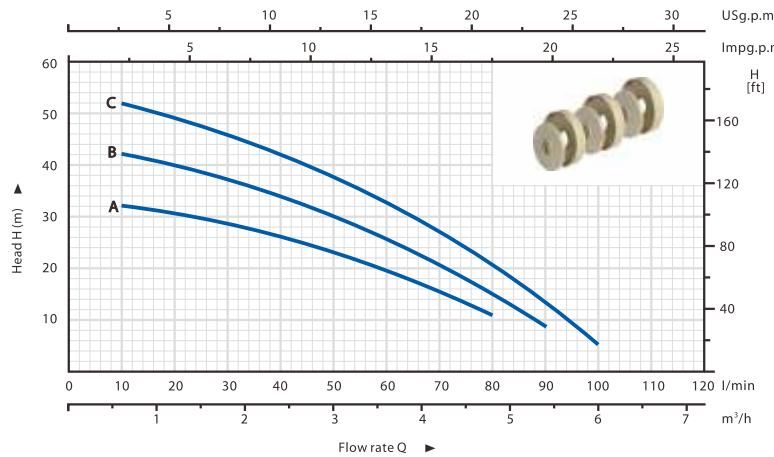
# HMC-S

## Horizontal multistage pumps



HMC-S

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
		kW	HP												
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

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

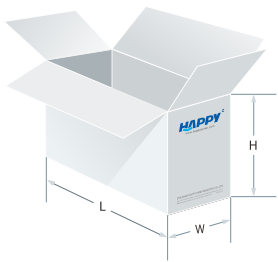
### Component

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

### 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

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





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

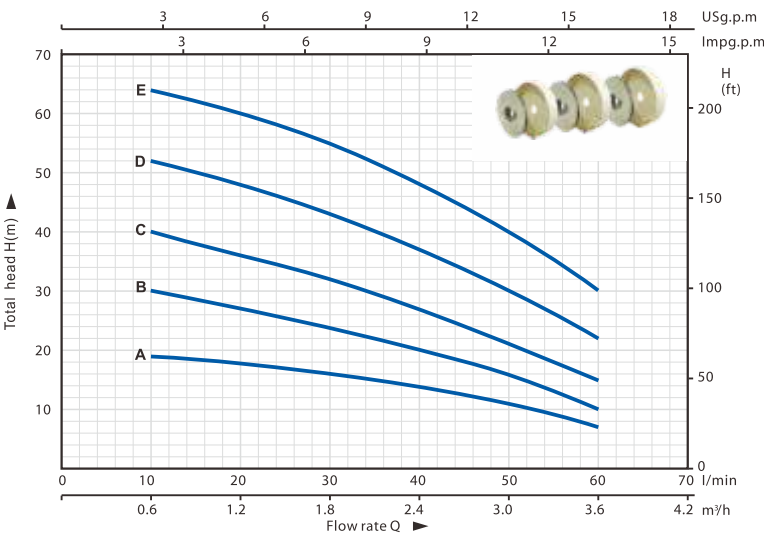
### Component

- ※ **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

### 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	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
		kW	HP								
A	HMC60-2SH	0.37	0.5	H	20	19	18	16	14	11	7
B	HMC60-3SH	0.50	0.65		32	30	27	24	20	16	10
C	HMC60-4SH	0.70	0.95		43	40	36	32	27	21	15
D	HMC60-5SH	0.85	1.15		54	52	48	43	37	30	22
E	HMC60-6SH	1.00	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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

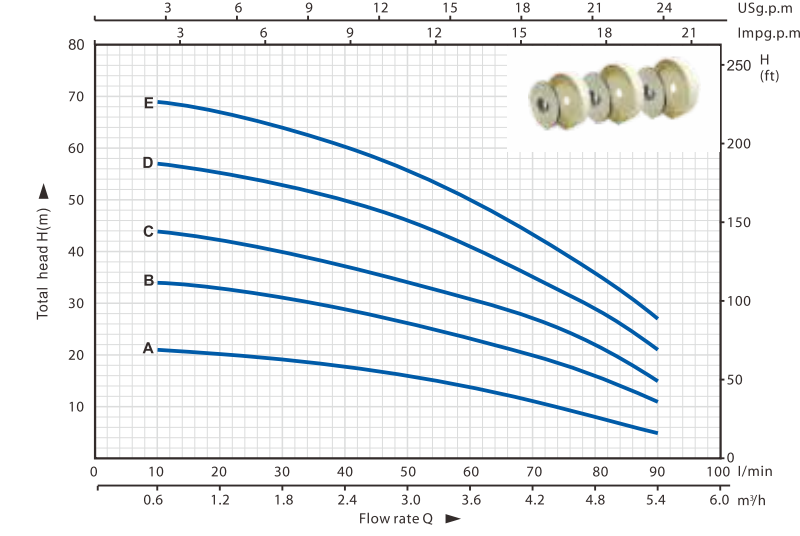
### Component

- ※ **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

### 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	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP											
A	HMC90-2SH	0.45	0.6	H	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		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

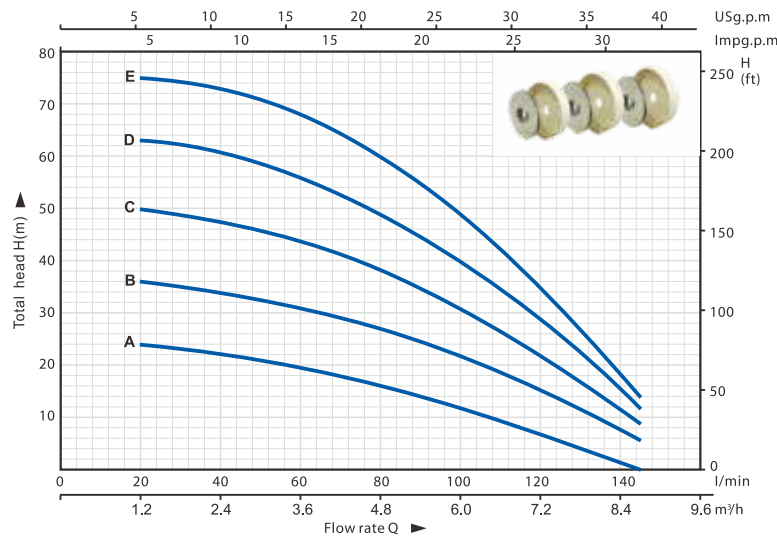
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

### Component

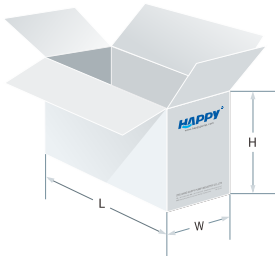
- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	7.8	8.7
		kW	HP										
A	HMC145-2SH	0.55	0.75	H	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		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

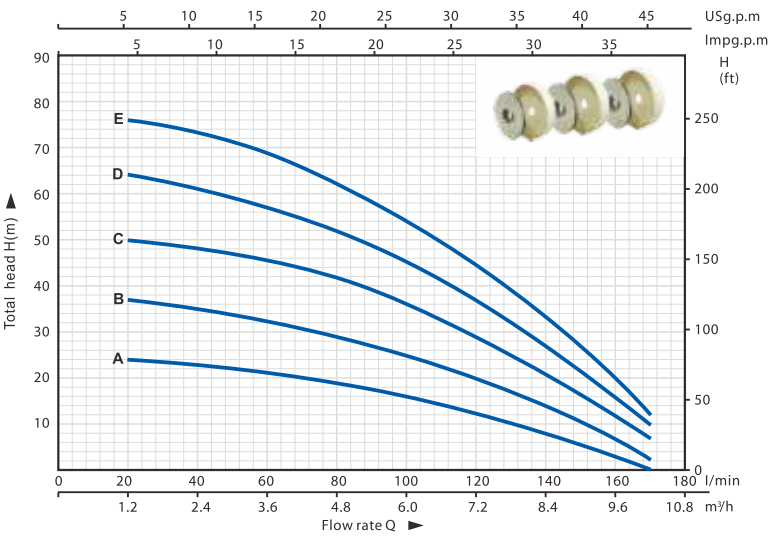
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

### Component

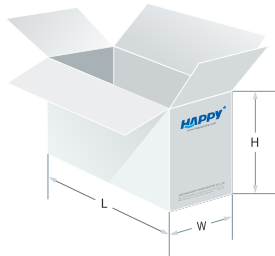
- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.2
		kW	HP											
A	HMC170-2SH	0.75	1	H	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		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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

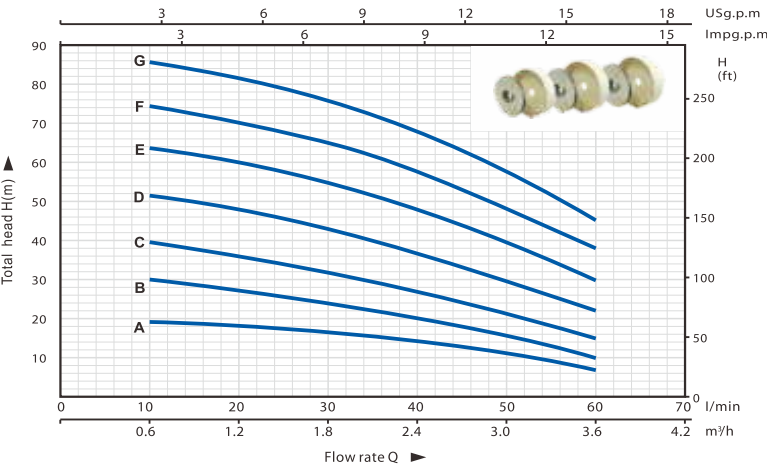
### Component

- ※ **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

### 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	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
		kW	HP								
A	HMC60-2SV	0.37	0.5	H	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		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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

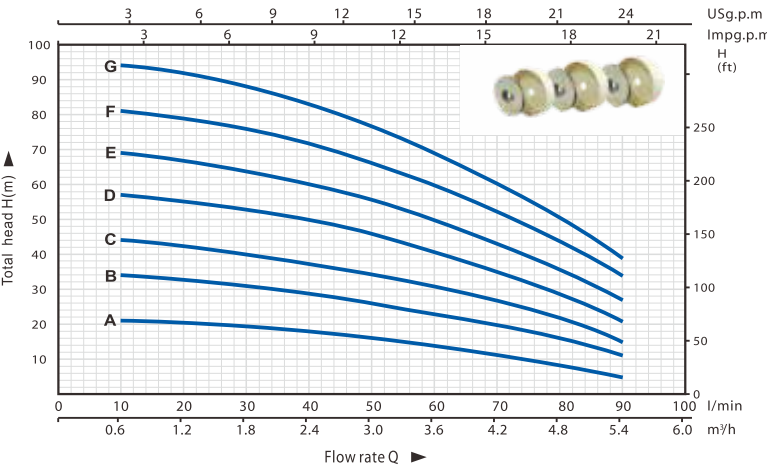
### Component

- ※ **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

### 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	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP											
A	HMC90-2SV	0.45	0.6	H	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		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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

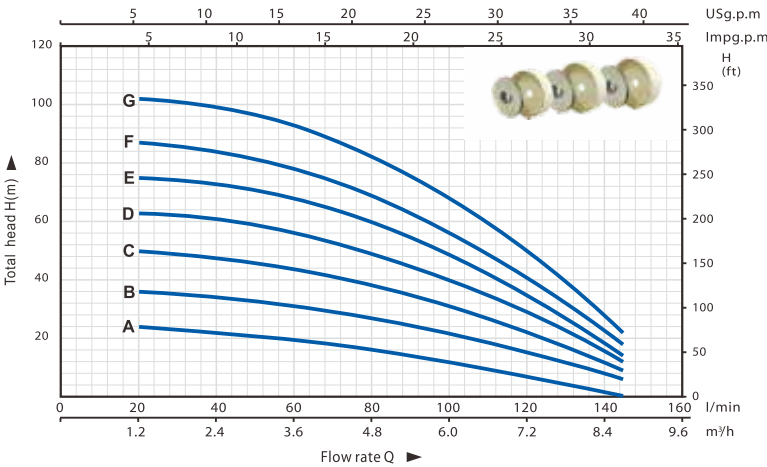
### Component

- ※ **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

### Construction

- Cast iron + Stainless steel
- Cast iron
- Aluminum
- AISI304 SS, Techno-polymer if request
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HMC145-2SV	1 1/4" x 1"	13	449x230x240
B	HMC145-3SV	1 1/4" x 1"	14	474x230x240
C	HMC145-4SV	1 1/4" x 1"	21.7	534x265x265
D	HMC145-5SV	1 1/4" x 1"	23	559x265x265
E	HMC145-6SV	1 1/4" x 1"	29.8	634x285x270
F	HMC145-7SV	1 1/4" x 1"	31	684x280x275
G	HMC145-8SV	1 1/4" x 1"	32.6	709x280x275

NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	7.8	8.7
		kW	HP										
A	HMC145-2SV	0.55	0.75	H	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		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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

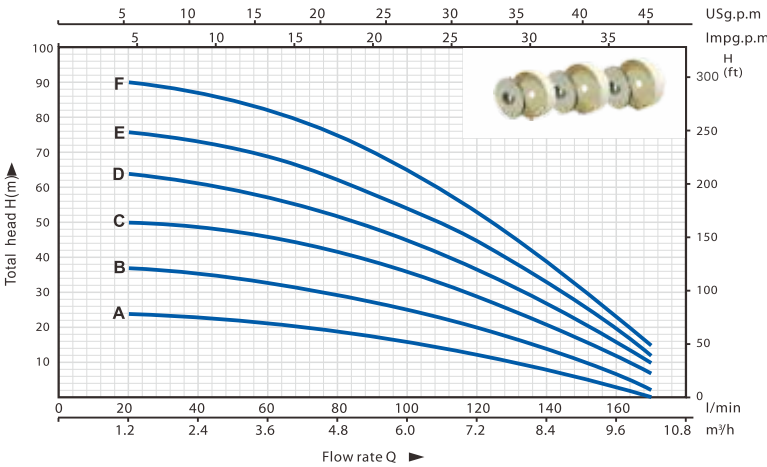
### Component

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

### Construction

- Cast iron + Stainless steel
- Cast iron
- Aluminum
- AISI304 SS
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HMC170-2SV	1 1/4" x 1 1/4"	14	449x230x240
B	HMC170-3SV	1 1/4" x 1 1/4"	15.2	474x230x240
C	HMC170-4SV	1 1/4" x 1 1/4"	22.5	534x265x265
D	HMC170-5SV	1 1/4" x 1 1/4"	23.6	559x265x265
E	HMC170-6SV	1 1/4" x 1 1/4"	28.5	659x280x275
F	HMC170-7SV	1 1/4" x 1 1/4"	32	684x280x275

NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.2
		kW	HP											
A	HMC170-2SV	0.75	1	H	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		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

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

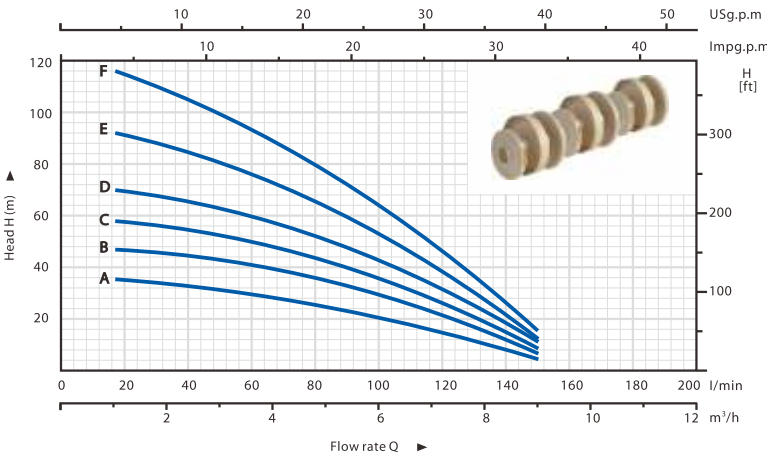
### Component

- ※ **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

### Construction

- Cast iron + Stainless steel
- Cast iron
- Alloy
- Techno-polymer, AISI304 SS if request
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W (Kg)	L x W x H (mm)
		(Inch)		
A	HMC-3VE	1 1/2" x 1 1/4"	19	520x240x265
B	HMC-4VE	1 1/4" x 1 1/4"	20.5	555x240x265
C	HMC-5VE	1 1/2" x 1 1/4"	22	590x240x265
D	HMC-6VE	1 1/4" x 1 1/4"	24	635x240x265
E	HMC-8VE	1 1/2" x 1 1/4"	27	740x235x270
F	HMC-10VE	1 1/2" x 1 1/4"	31.5	830x235x270

NO.	MODEL	POWER		Q(m³/h)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9
		kW	HP												
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

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

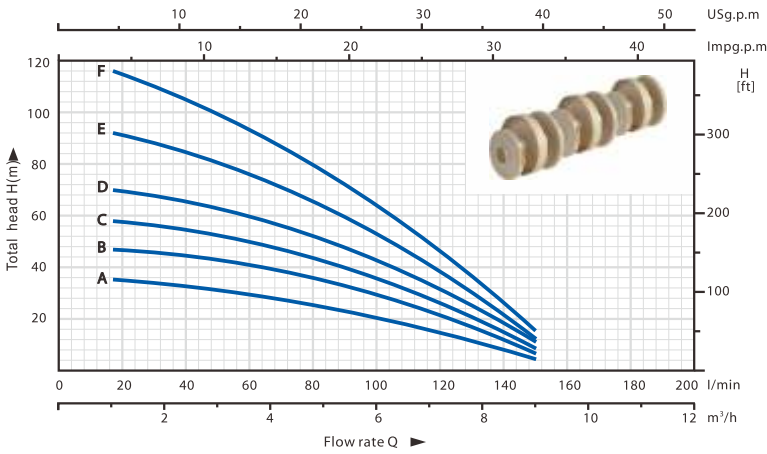
### Component

- ※ **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

### Construction

- Cast iron + Stainless steel
- Cast iron
- Alloy
- Techno-polymer, AISI304 SS if request
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W (Kg)	L x W x H (mm)
		(Inch)		
A	HMC-3VF	1 1/2" x 1 1/2"	19	520x240x265
B	HMC-4VF	1 1/2" x 1 1/2"	20.5	555x240x265
C	HMC-5VF	1 1/2" x 1 1/2"	22	590x240x265
D	HMC-6VF	1 1/2" x 1 1/2"	24	635x240x265
E	HMC-8VF	1 1/2" x 1 1/2"	27	740x235x270
F	HMC-10VF	1 1/2" x 1 1/2"	31.5	830x235x270

NO.	MODEL	POWER		Q(m³/h)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9
		kW	HP												
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

### 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 rates and 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°C**
- ※ Ambient temperature up to **40°C**
- ※ Max. operating pressure: **15 bar**
- ※ Altitude: up to **1000 m**
- ※ Single-phase: 220-240V/50Hz, 60Hz if request
- ※ Three-phase: 380-415V/50Hz, 60Hz if request

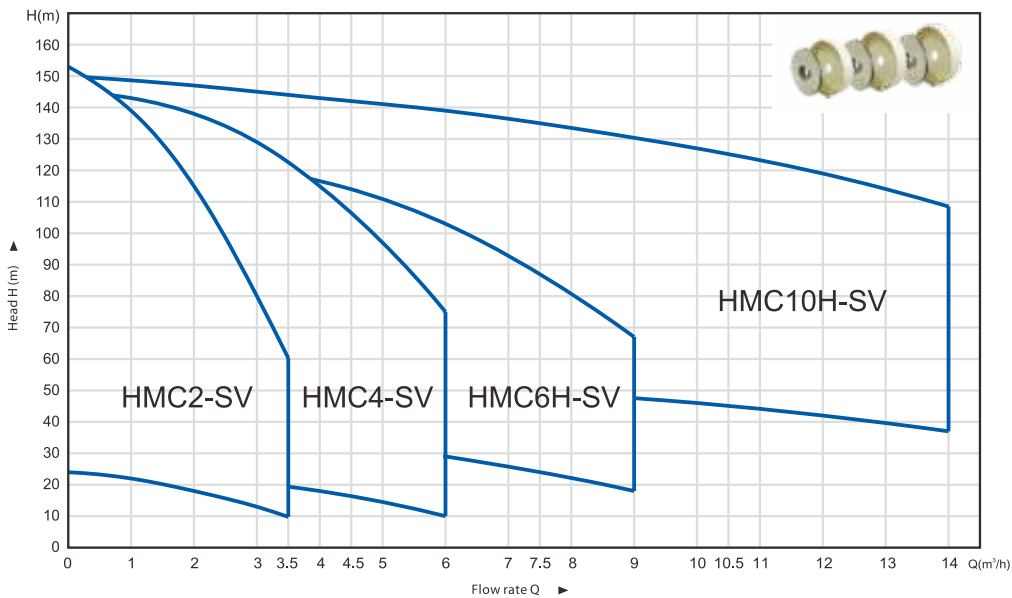
### Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**

### Construction

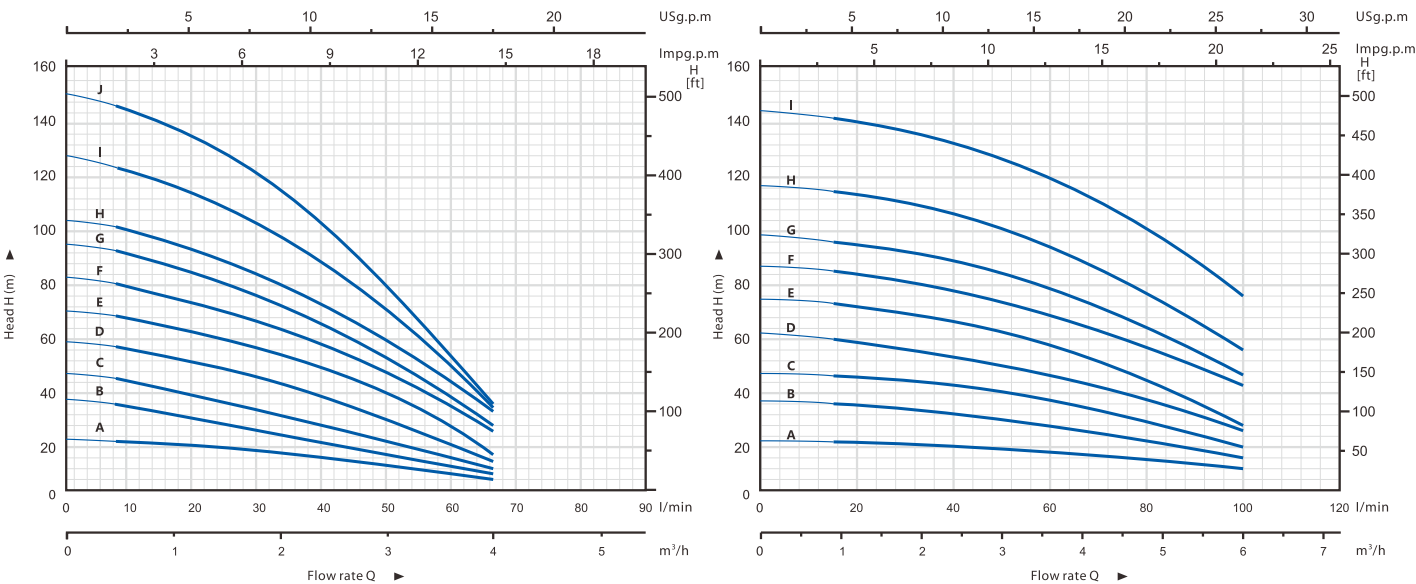
Cast iron + Stainless steel  
Cast iron  
Aluminum  
Techno-polymer  
AISI304 SS  
Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



# HMC-SV

## Vertical multistage pumps



HMC2-SV

HMC4-SV

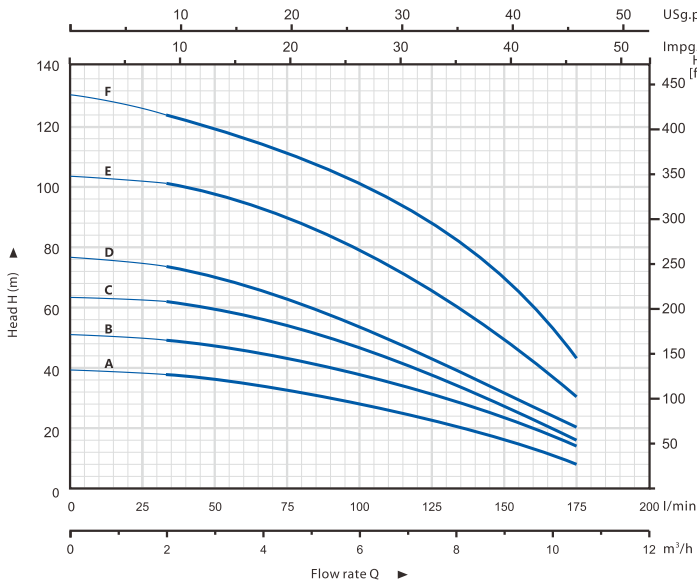
NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	1	2	3	4
		kW	HP		0	16.7	33.3	50	66.7
A	HMC2-2SV	0.37	0.5	H	24	22	18	13	6
B	HMC2-3SV	0.55	0.75		36	32	26	19	9
C	HMC2-4SV	0.75	1		48	42.5	35	25	11
D	HMC2-5SV	1	1.3		59	53	44	31.5	15
E	HMC2-6SV	1	1.3		69	62	52	38.5	18
F	HMC2-7SV	1.1	1.5		82	75	62	45	25
G	HMC2-8SV	1.5	2		94	87	72	52	28
H	HMC2-9SV	1.5	2		105	98	82	60	35
I	HMC2-11SV	1.8	2.5		130	118	98	69	37
J	HMC2-13SV	2.2	3		153	139	115	80	39

NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	1	2	3	4	5	6
		kW	HP		0	16.7	33.3	50	66.7	83.3	100
A	HMC4-2SV	0.55	0.75	H	24	23	22	20.5	18	14.5	10
B	HMC4-3SV	0.75	1		37	36	35	33	29	23	16
C	HMC4-4SV	1	1.3		47	46	44.5	41	36	29	20
D	HMC4-5SV	1.5	2		61	60	58.5	54	48	39.5	29
E	HMC4-6SV	1.5	2		74	72	69	64.5	57	47	36
F	HMC4-7SV	2.2	3		86	84	81.5	77	68	57	43
G	HMC4-8SV	2.2	3		98	96	92.5	86	76	64	49
H	HMC4-10SV	2.2	3		116	114	110	102	90	74	57
I	HMC4-12SV	3	4		145	143	138	129	115	97	75

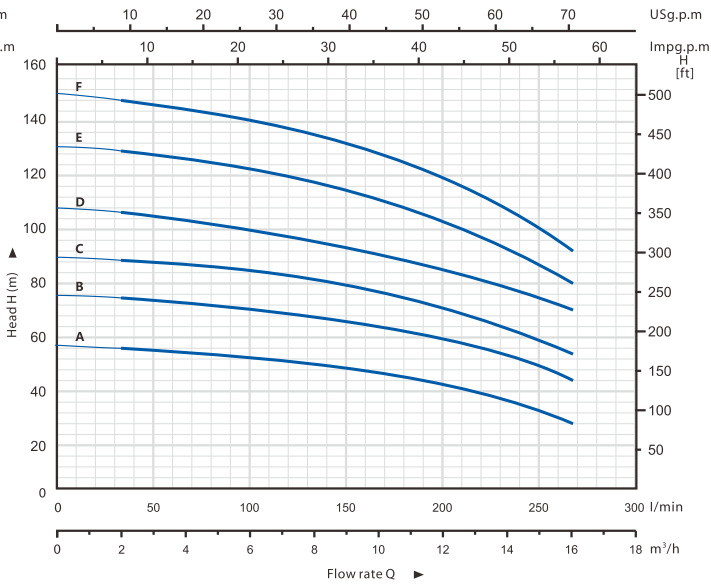


# HMC-SV

## Vertical multistage pumps



HMC6H-SV



HMC10H-SV

NO.	MODEL	POWER		Q(m³/h) Q(l/min)	H	0	1	2	3	4.5	6	7.5	9	10.5
		kW	HP			0	16.7	33.3	50	75	100	125	150	175
A	HMC6H-3SV	1.1	1.5	H		39	38	37	35.5	33	29	24	18	10
B	HMC6H-4SV	1.5	2			52	51	50	48	44	39	31.5	23	13
C	HMC6H-5SV	1.8	2.5			64	63	61.5	59	54	47	38.5	28	16
D	HMC6H-6SV	2.2	3			76	74.5	72	69	63	56	46	34.5	20
E	HMC6H-8SV	3	4			103	101	99	96	90	80	66	50	31
F	HMC6H-10SV	4	5.5			130	128	125	121	114	103	87	67	43

NO.	MODEL	POWER		Q(m³/h) Q(l/min)	H	0	2	4	6	8	10	12	14	16
		kW	HP			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-IA

## Multistage pumps



HMC-IA

### Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggrtssive 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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

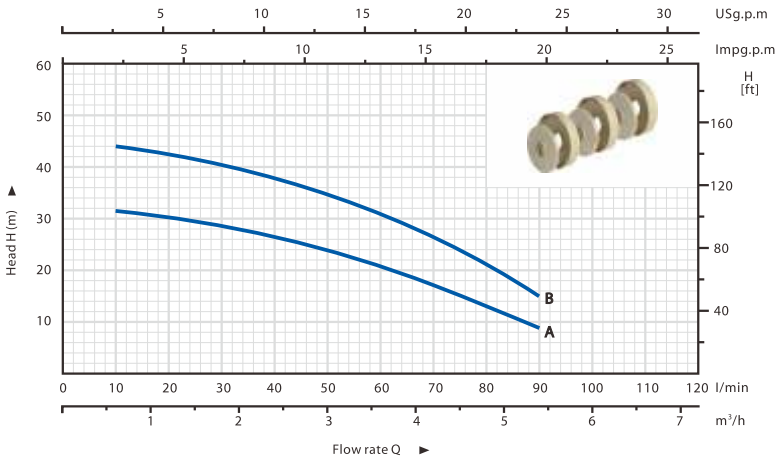
### Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**

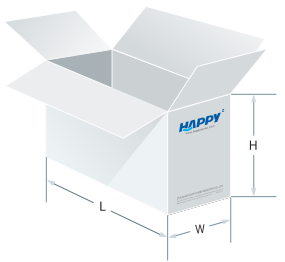
### Construction

- AISI304 SS
- Aluminum
- Aluminum
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



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



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP		0	10	20	30	40	50	60	70	80	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

## Swimming pool pumps



HFC-550/750

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

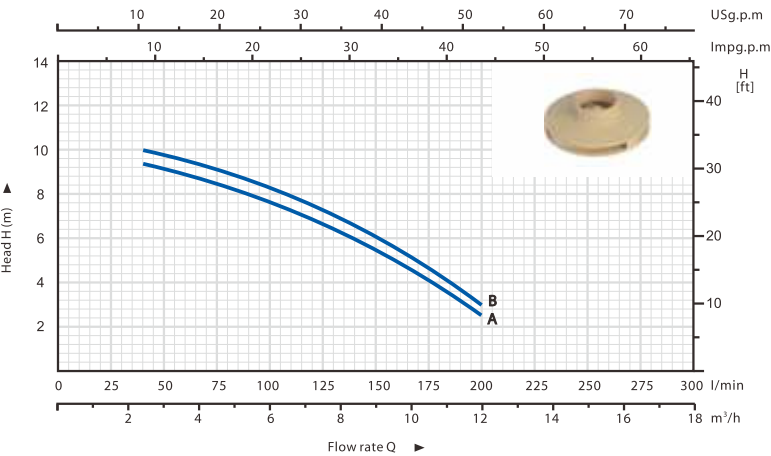
### Component

- ※ **Pump body:** Techno-polymer
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Alloy
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

- Techno-polymer
- Aluminum
- Alloy
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	2.4	4.8	7.2	9.6	12
		kW	HP							
A	HFC-550	0.55	0.75	H	10	9.5	8.5	7	5	2.5
B	HFC-750	0.75	1		11	10	9	7.5	5.5	3

# HFC-01

## Swimming pool pumps



HFC-01



Timer if request

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

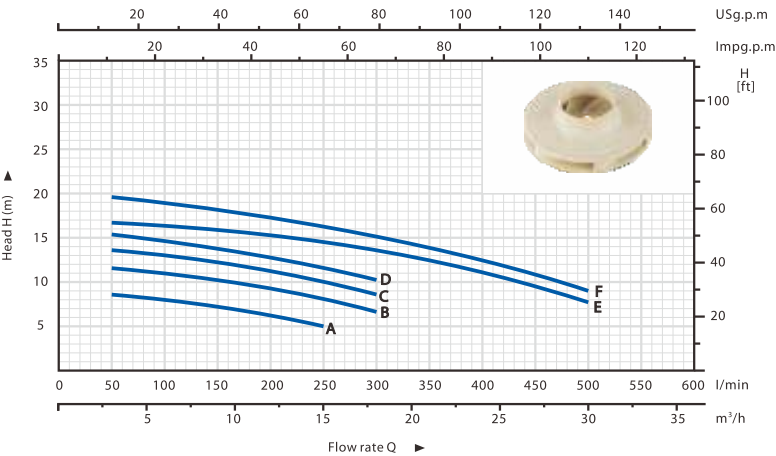
### Component

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

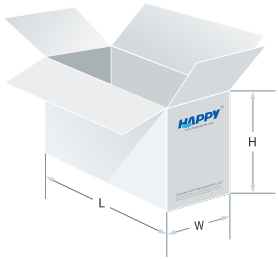
### Construction

- Techno-polymer
- Aluminum
- Aluminum
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30
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



HFC-02



Timer if request

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

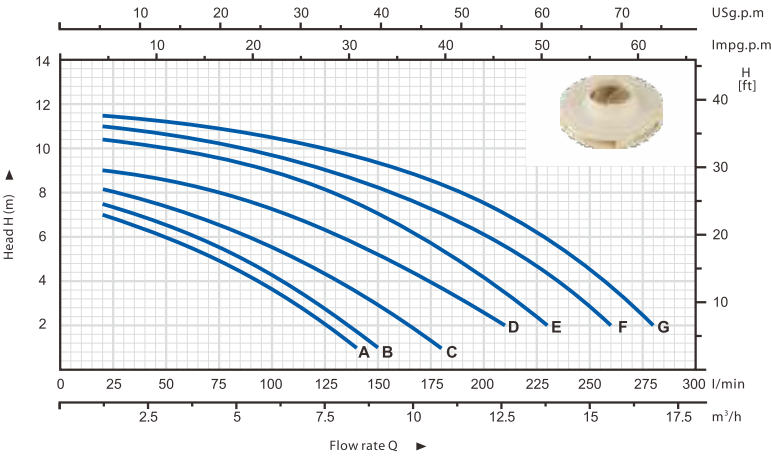
### Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**

### Construction

Techno-polymer  
Aluminum  
Aluminum  
Techno-polymer  
AISI304 SS  
Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)														
		kW	Q(l/min)	0	1.2	1.8	3.6	4.8	7.2	8.4	9	10.8	12.6	13.8	15.6	16.8	
A	HFC-252	0.28	H	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		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	

# HSPA

## Hydromassage bathtub pumps



HSPA



Pneumatic switch

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

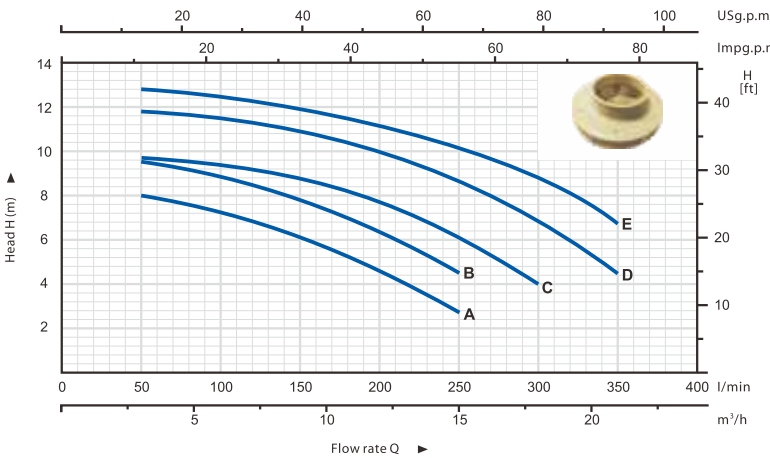
### Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**

### Construction

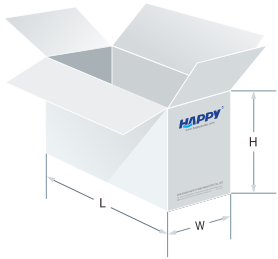
Techno-polymer  
Aluminum  
Aluminum  
Techno-polymer  
Carbon steel, AISI 304 SS if request  
Ceramic/Graphite

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)										
		kW	Q(l/min)	0	3	6	9	12	15	18	21		
A	HSPA501	0.5	H	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		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		

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



# 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

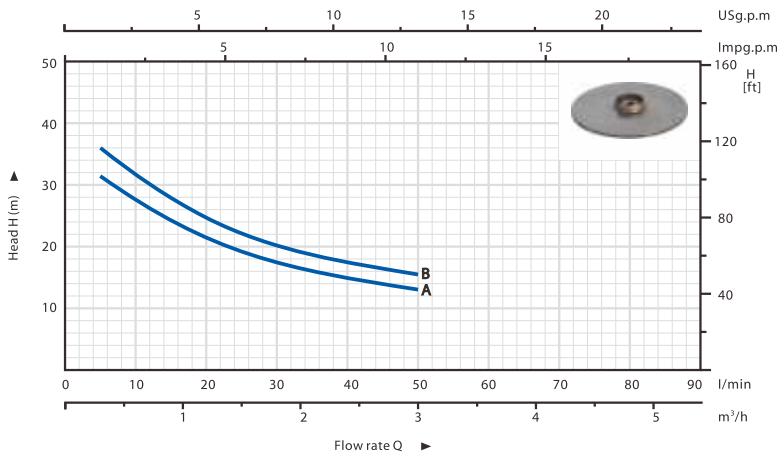
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

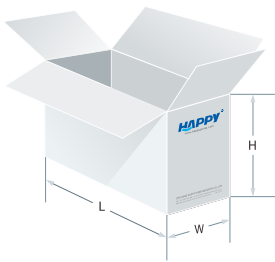
- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	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
		kW	HP															
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

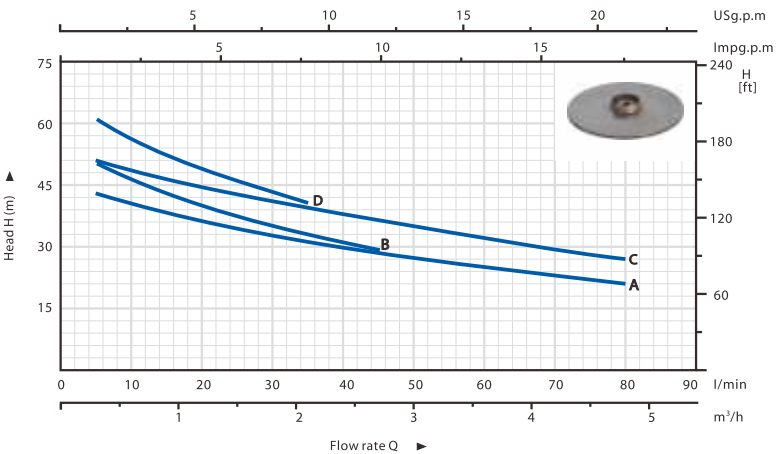
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

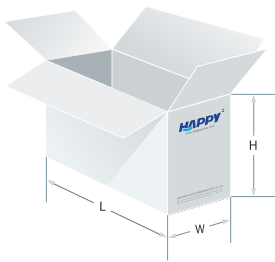
- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	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
		kW	HP															
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

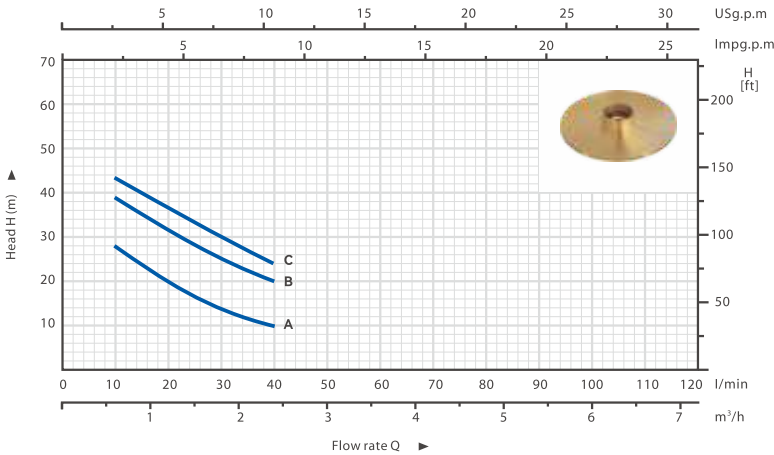


JET-B



JET-C

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4
		kW	HP						
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

### 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

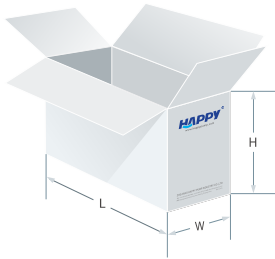
### Operating conditions

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

### Component

- ※ **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

### Construction



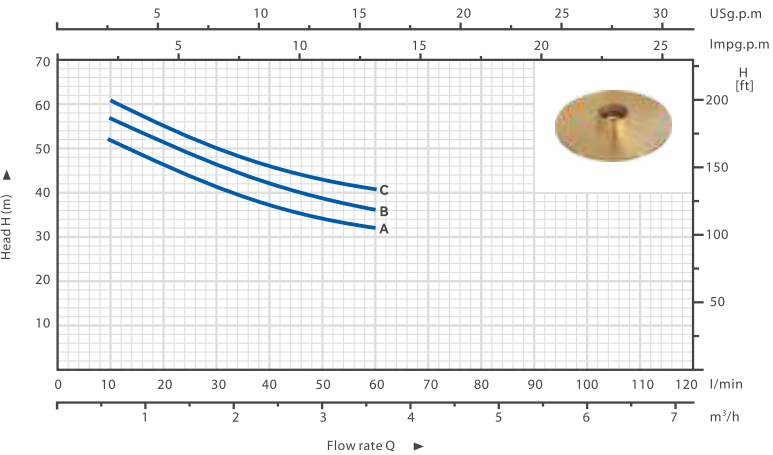
# JET-A

## Self-priming Jet pumps

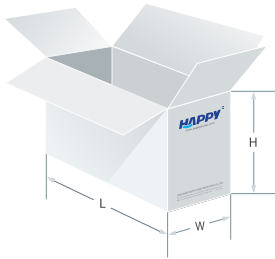


JET-A

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4	3.0	3.6
		kW	HP								
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



### 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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

- ※ **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

### Construction

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	1¼" × 1"	24.5	560×250×285
C	JET-200A	1½" × 1¼"	25.5	560×250×285

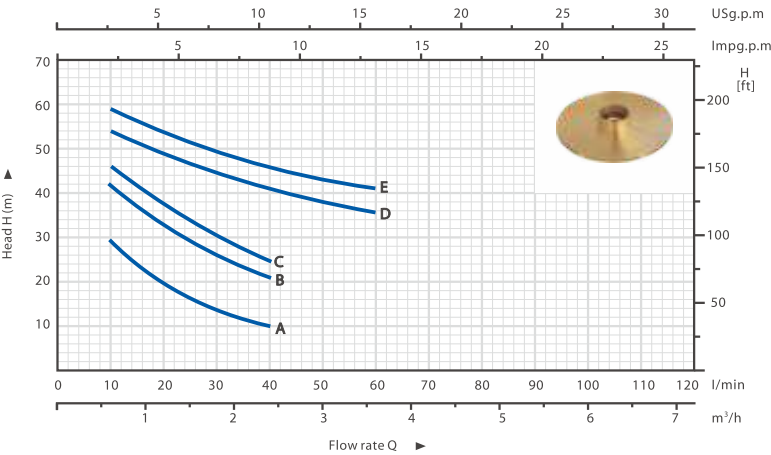
# JSP

## Self-priming Jet pumps



JSP

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6
		kW	HP								
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

### 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

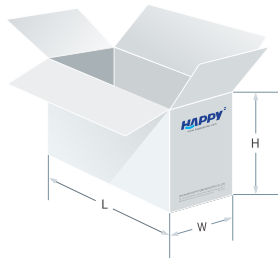
### Operating conditions

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

### Component

- ※ **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

### Construction



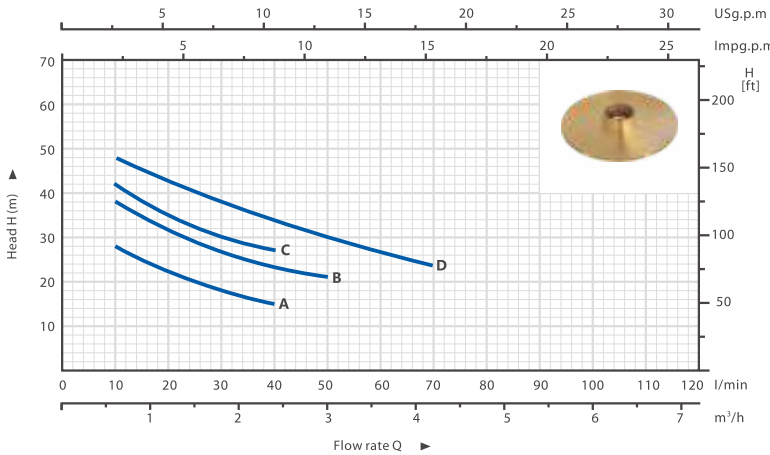
# HJ

## Self-priming Jet pumps

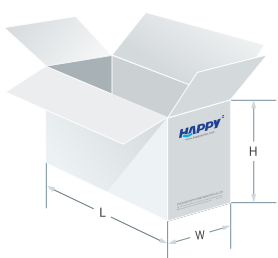


HJ

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2
		kW	HP									
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



### 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°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

- ※ **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

### Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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



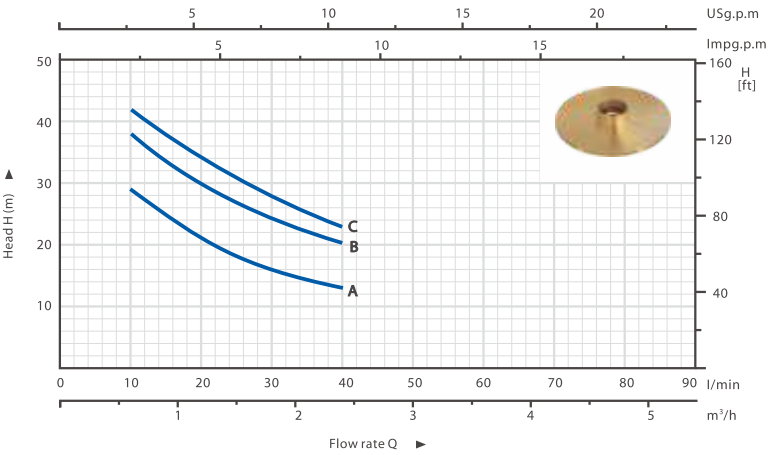
# JET-S

## Self-priming Jet pumps



JET-S

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4
		kW	HP		0	10	20	30	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

### 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

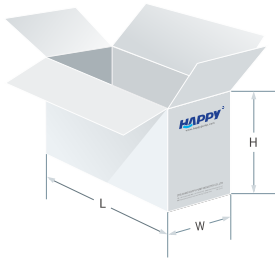
### Operating conditions

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

### Component

- ※ **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

### Construction

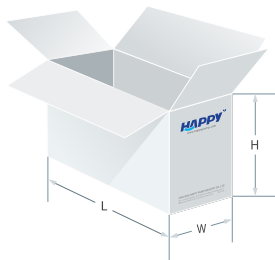


# DP-A

## 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°C**
- ※ Ambient temperature up to **40°C**

### Component

- ※ **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

### Construction

NO.	MODEL	INLET/OUTLET	N.W (Kg)	L x W x H (mm)	
		(Inch)			
A	DP-505A	(1 1/8" x 1") x 1"	25	490	245 x 280
B	DP-750A	(1 1/4" x 1") x 1"	26	490	245 x 280

NO.	MODEL	POWER		Q(m³/h) HS(m)	0	120	240	360	480	600	840	960	1080	1200	1320	1440	1560	1680	1800
		kW	HP		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											



# 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

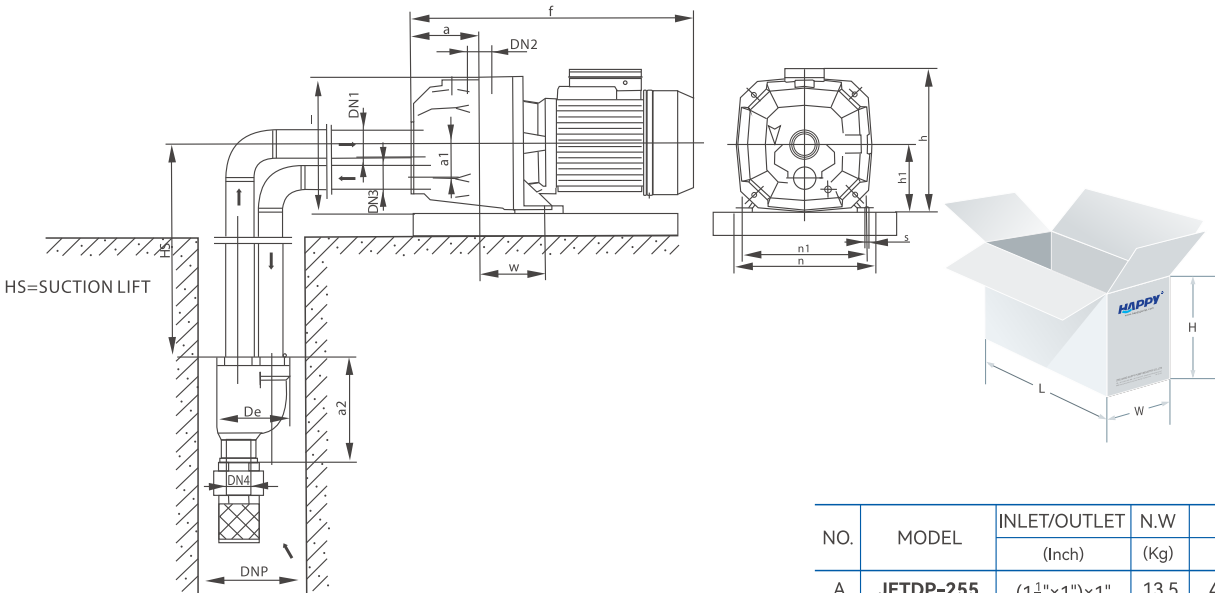
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**

### Component

- ※ **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

### Construction

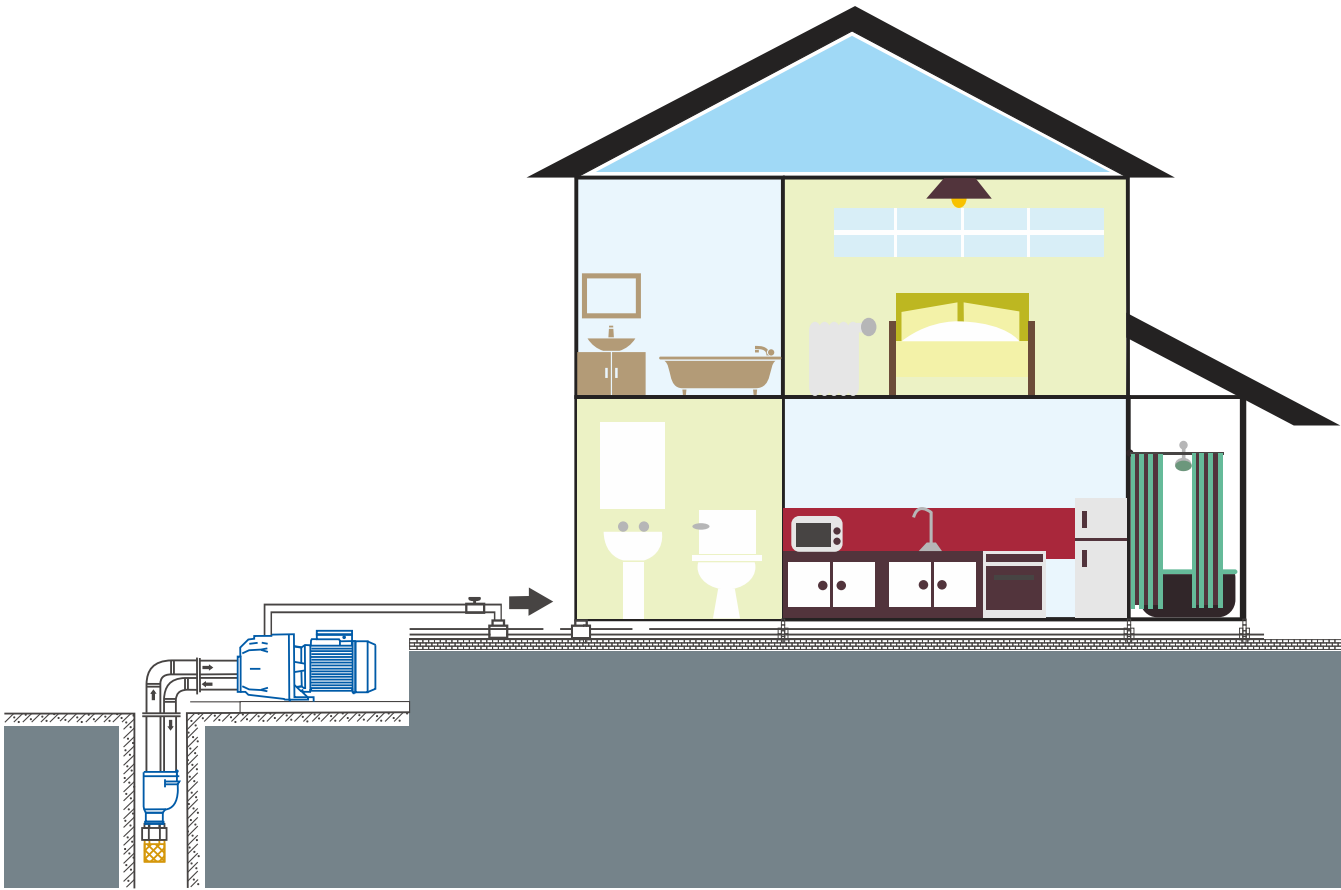
### WATER PUMP WITH INTEGRAL EJECTOR



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

# JETDP

## Deep well self-priming Jet pumps



NO.	MODEL	POWER		Q(l/h)	HS(m)	0	120	240	360	480	600	840	960	1080	1200	1320	1440	1560	1680	1800
		kW	HP			TOTAL MANOMETRIC HEAD IN METERS(m)														
A1	JETDP-255	0.37	0.5			26	23	21	18	15	13	11	10	8	7					
B1	JETDP-370	0.55	0.75	15		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

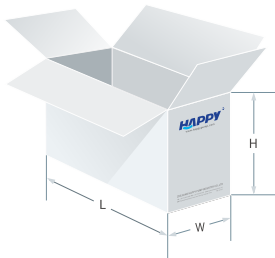
- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **9m**

### Component

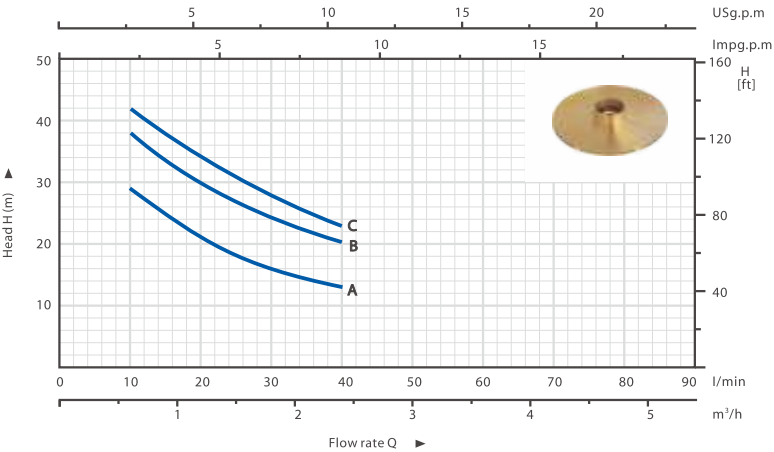
- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass, AISI304 SS if request
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

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



### PERFORMANCE CHART AT n=2850RPM



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

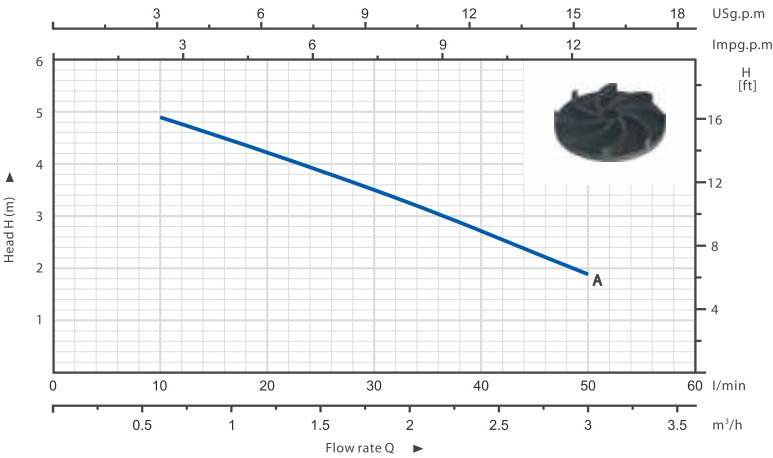
- ※ **5m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

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

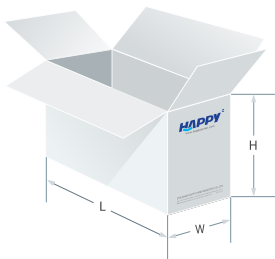
### Construction

### PERFORMANCE CHART AT n=2850RPM



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

NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
		1"	3.8	200×195×305



# 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

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

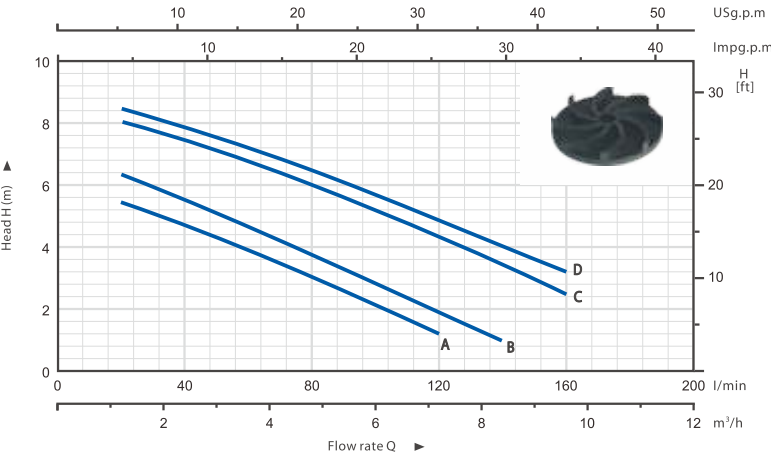
### Component

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

### Construction

- Techno-polymer
- Techno-polymer
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite
- 6m power cable with plug

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6
		kW	HP										
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

# 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 Ø8mm

### 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

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

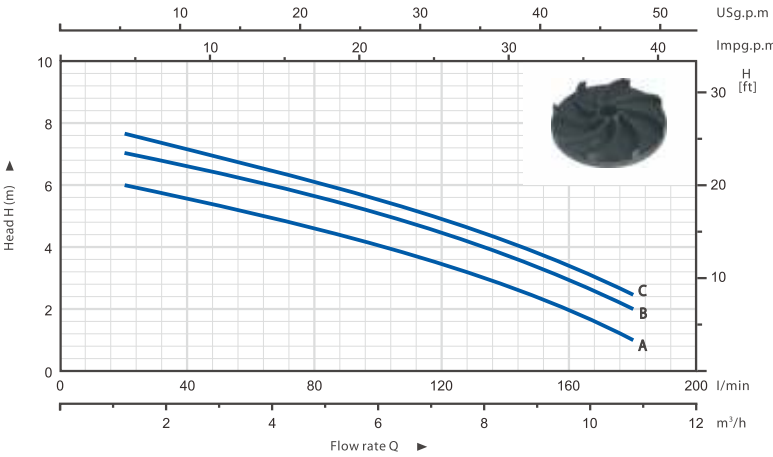
### Component

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

### Construction

- Techno-polymer
- Techno-polymer
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite
- 6m power cable with plug

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
		kW	HP											
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



# QDP90-S

## 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

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

### Component

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

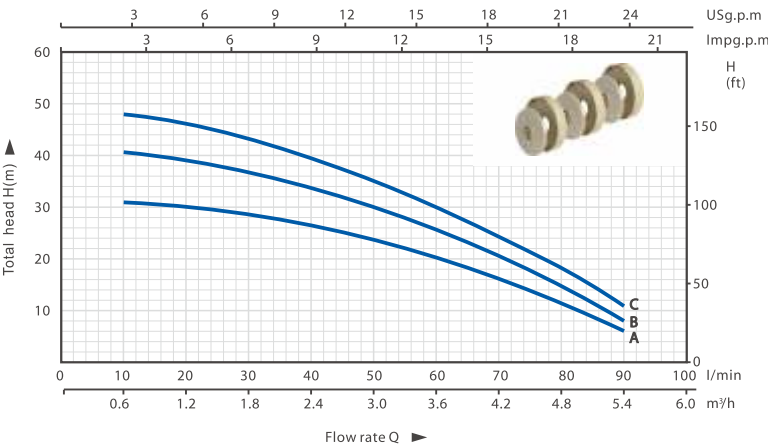
### Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12m power cable with plug

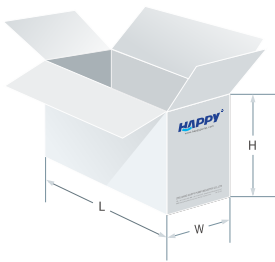


QDP90-S

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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)	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	Q(l/min)	0	10	20	30	40	50	60	70	80	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



### 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

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

### Component

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

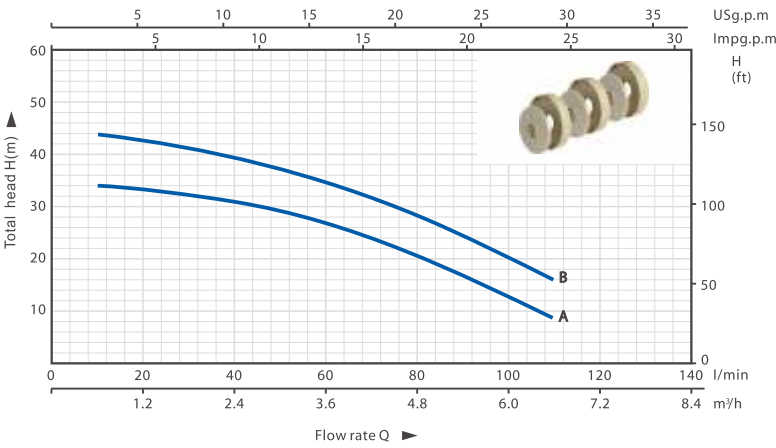
### Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12m power cable with plug

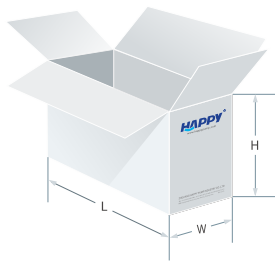


QDP145-S

### PERFORMANCE CHART AT n=2850RPM



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



NO.	MODEL	POWER(IN)	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6
		kW	Q(l/min)	0	10	20	30	40	50	60	70	80	90	100	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.

### 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

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

### Component

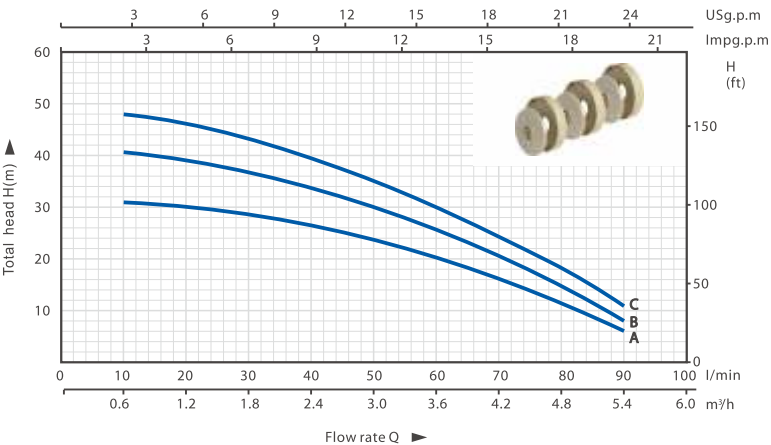
- ※ **Pump body:** Techno-polymer & AISI304 SS
- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12m power cable with plug

### Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12m power cable with plug



### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	Q(l/min)	0	10	20	30	40	50	60	70	80	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.

### 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

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

### Component

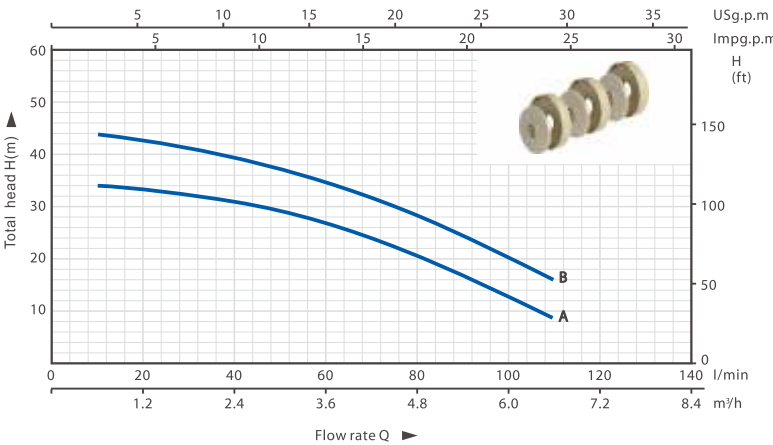
- ※ **Pump body:** Techno-polymer & AISI304 SS
- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12m power cable with plug

### Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12m power cable with plug



### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6
		kW	Q(l/min)	0	10	20	30	40	50	60	70	80	90	100	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

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

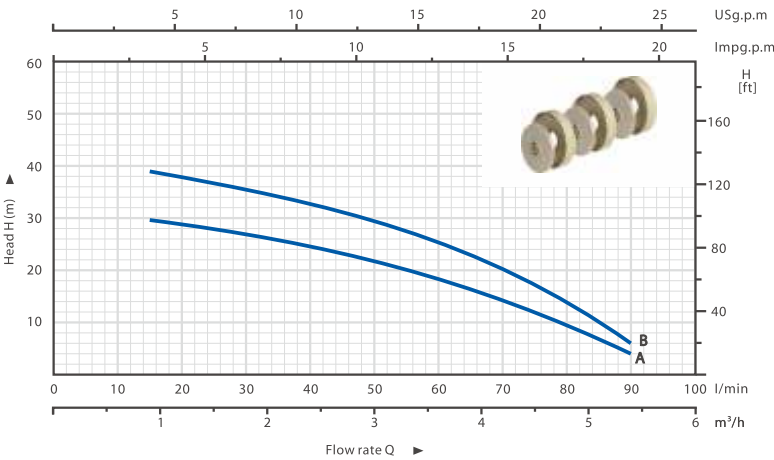
### Component

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

### Construction

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

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.9	1.8	2.7	3.6	4.5	5.4
		kW	HP								
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		42.5	38.5	35	31	26	17.5	6

# QDS-A/C/D

## Submersible pumps



QDS-C

QDS-D

QDS-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

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

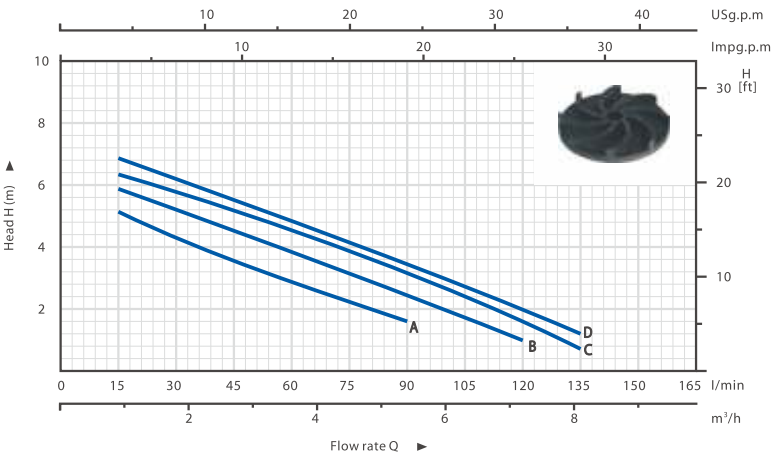
### Component

- ※ **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:** 6m power cable with plug

### 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:** 6m power cable with plug

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1
		kW	HP											
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		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		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		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

### 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  $\Phi 8\text{mm}$

### Motor

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

### Operating conditions

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

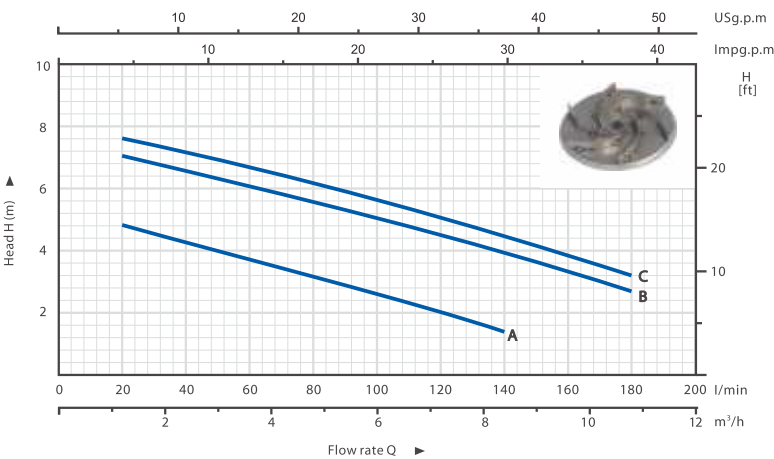
### Component

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

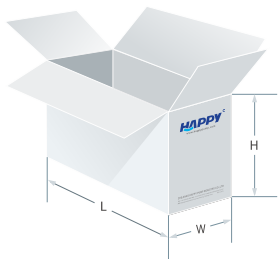
### Construction

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

### PERFORMANCE CHART AT $n=2850\text{RPM}$



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



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
		kW	HP			0	20	40	60	80	100	120	140	160	180
A	QDS-370CW/DW	0.37	0.5	H	H	5.5	4.8	4.3	3.7	3.2	2.6	1.9	1.4		
B	QDS-550CW/DW	0.55	0.75			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 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 head and mid flow rates are required.

### Motor

- ※ Two-pole induction motor ( $n=2850\text{ r.p.m}$ )
- ※ 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

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

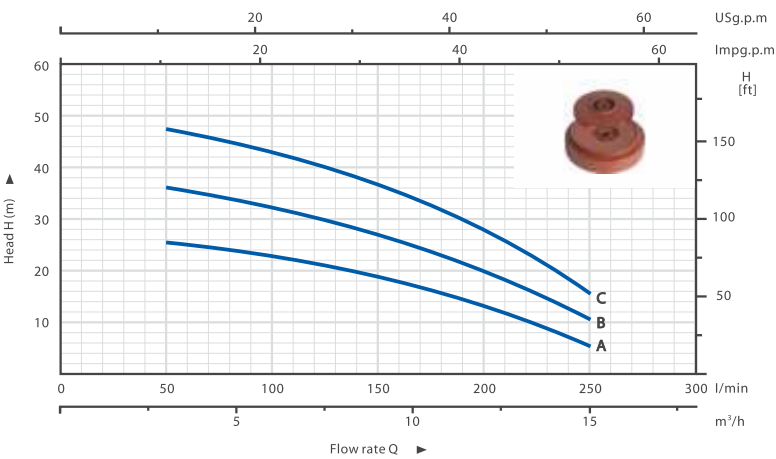
### Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 12m power cable with plug

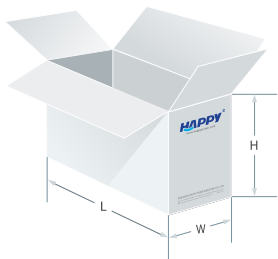
### Construction

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 12m power cable with plug

### PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	INLET/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)	Q(l/min)	0	3	6	9	12	15
		kW	HP			0	50	100	150	200	250
A	QDX6-28/2-1.1A	1.1	1.5	H	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

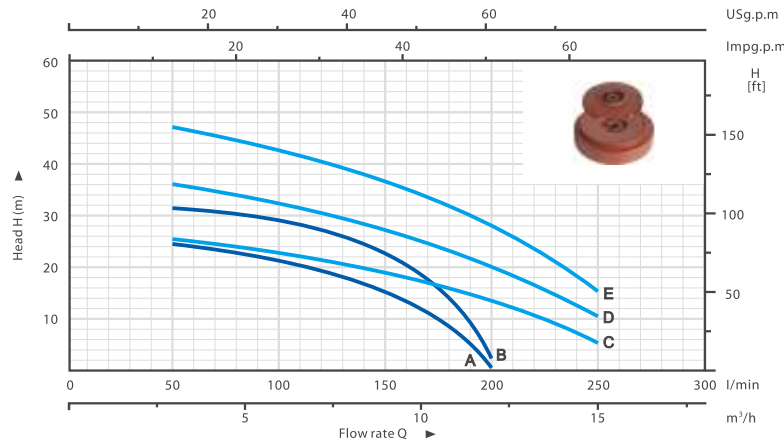


QDX6-32-1.5B



QDX6-50/4-2.2B

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)					
		kW	HP		0	3	6	9	12	15
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

### 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 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

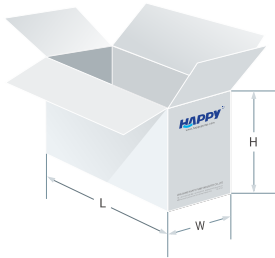
- ※ **8m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- Ceramic/Graphite
- 12m power cable with plug



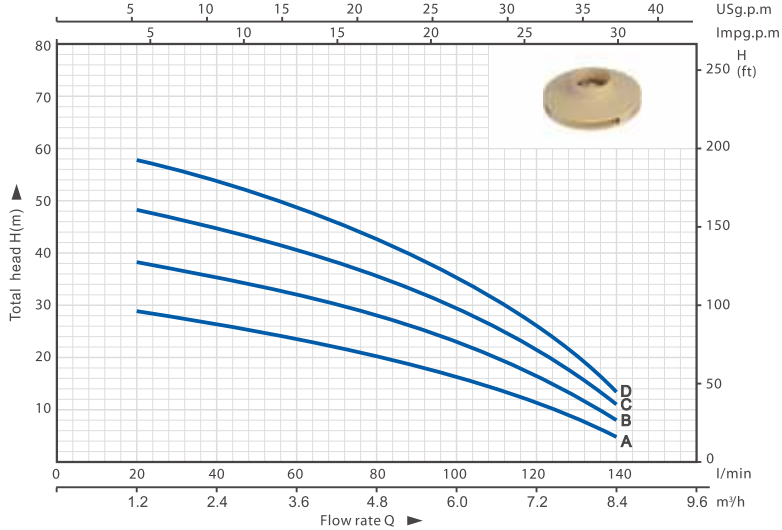
# QDX145-SV

## Submersible pumps



QDX145-SV

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)							
		kW	HP		0	1.2	2.4	3.6	4.8	6	7.2	8.4
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

### 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 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

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

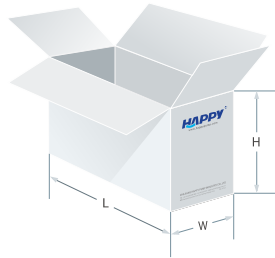
### Component

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

### Construction

- Cast iron
- AISI201 SS
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite
- 12m power cable with plug

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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



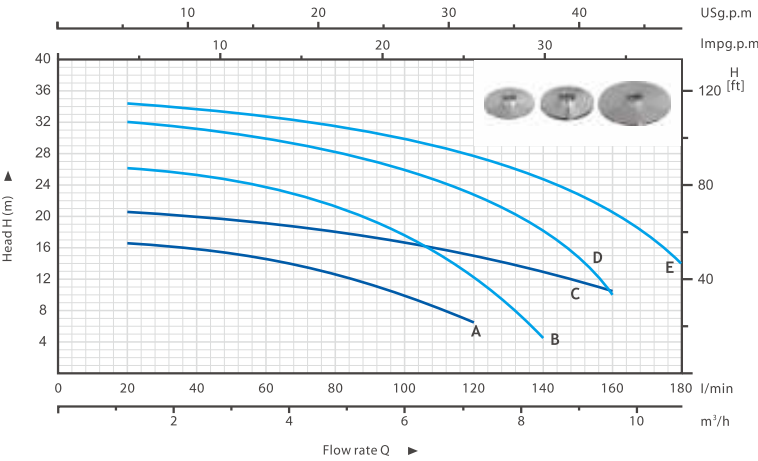
# QDX-FA-3

## Submersible pumps



QDX-FA-3

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Flow rate Q (m³/h)									
		kW	HP		0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
A	QDX1.5-16-0.37FA-3	0.37	0.5	H	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		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

### 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

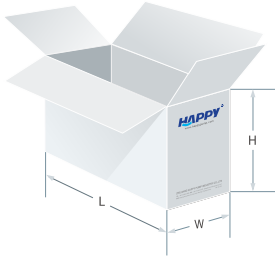
### Operating conditions

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

### Component

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

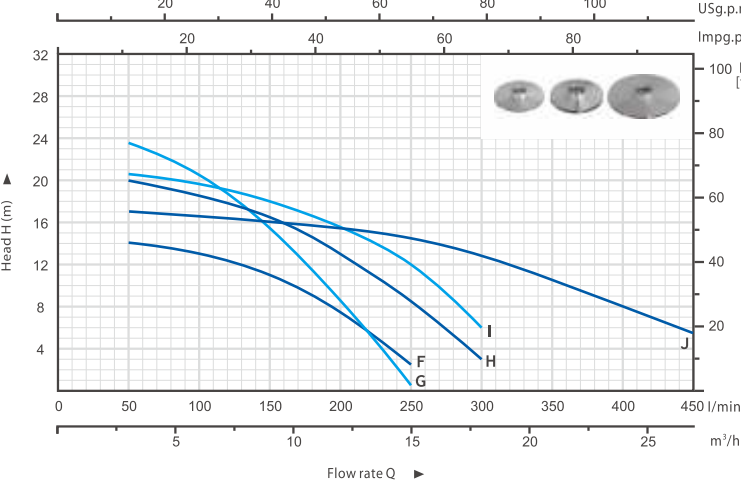
### Construction



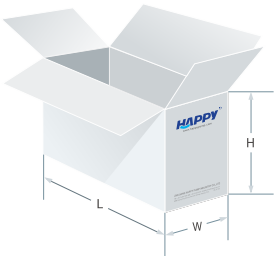
# QDX-FA-3

## Submersible pumps

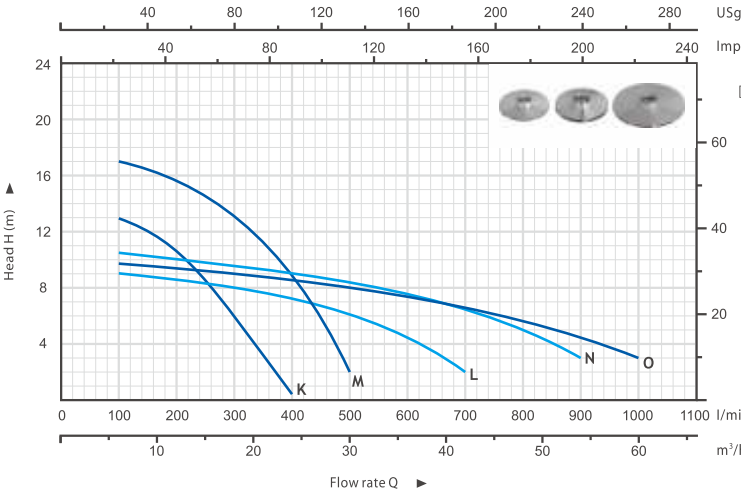
### PERFORMANCE CHART AT n=2850RPM



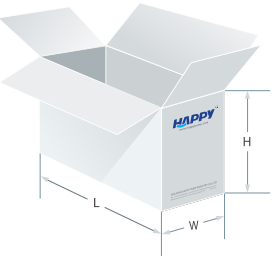
NO.	MODEL	POWER		Q(m³/h)	Flow rate Q (m³/h)									
		kW	HP		0	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0
F	QDX10-10-0.55FA-3	0.55	0.75	H	15.5	14	13	11	7.5	2.5				
G	QDX6-26-0.75FA-3	0.75	1		26	23.5	20.5	15.5	8.5	0.5				
H	QDX7-18-0.75FA-3	0.75	1		21	20	18.5	16.5	13	8.5	3			
I	QDX10-16-0.75FA-3	0.75	1		21	20.5	19.5	18	15.5	12	6			
J	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



### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Flow rate Q (m³/h)									
		kW	HP		0	6	12	18	24	30	36	42	48	54
K	QDX15-10-0.75FA-3	0.75	1	H	14	13	11	6	0.5					
L	QDX30-6-0.75FA-3	0.75	1		9.5	9	8.5	8	7	6	4.5	2		
M	QDX15-15-1.1FA-3	1.1	1.5		17.5	17	16	13	8.5	2				
N	QDX40-7-1.1FA-3	1.1	1.5		11	10.5	10	9.5	9	8.5	7.5	6.5	5	3
O	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





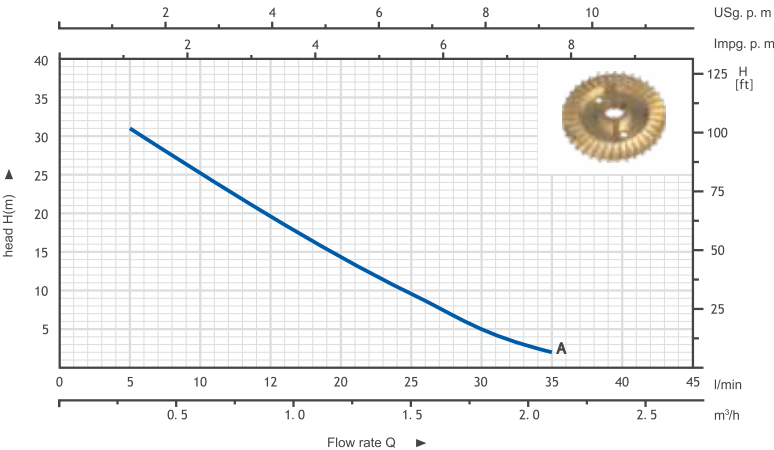
# QKm370-A

## Submersible pumps



QKm370-A

### PERFORMANCE CHART AT n=2850RPM



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



### 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

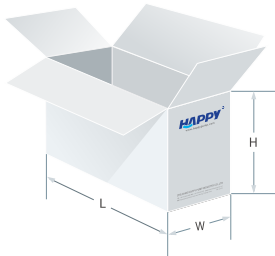
- ※ **5m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

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

### Construction

- Cast iron
- AISI201 SS
- Brass
- AISI304 SS
- SIC-SIC/Ceramic-Graphite
- 6m power cable with plug



# WQD-B

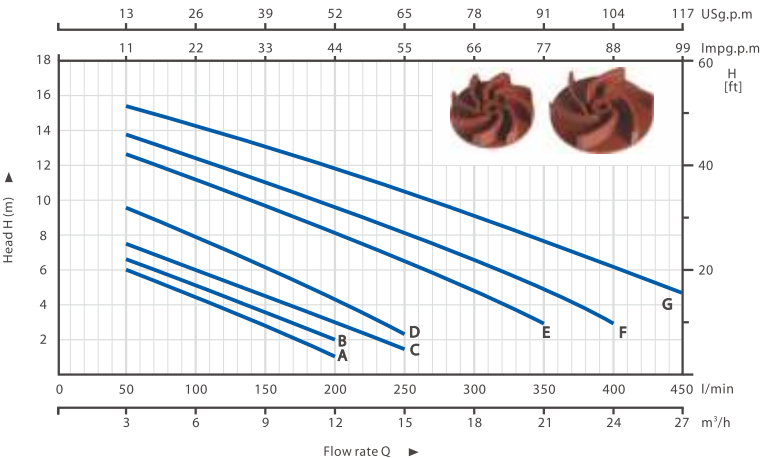
## Submersible sewage pumps



WQD250/370-B

WQD550~2200-B

### PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30
		kW	HP												
A	WQD250-B	0.25	0.34	H	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		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	



### 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 partial up to a maximum of Ø10mm.

### 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

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

### Component

- ※ **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:** 6m power cable with plug

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- Carbon steel, AISI 304 SS if request
- Ceramic/Graphite
- 6m power cable with plug

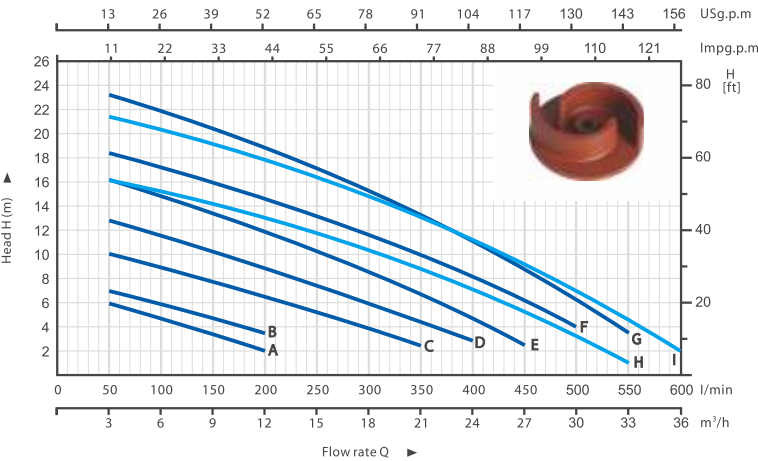
NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)		
A	WQD250-B	1 1/4"	7.5	233×188×455
B	WQD370-B	1 1/2"	8.5	233×188×455
C	WQD550-B	2"	13	257×225×448
D	WQD750-B	2"	14	257×225×495
E	WQD1100-B	2"	16	257×225×512
F	WQD1500-B	2"	19	257×225×525
G	WQD2200-B	2"	21	257×225×538

# WQD-D

## Submersible sewage pumps



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		0	3	6	9	12	15	18	21	24	27	30	33	36	
A	WQD250-D	0.25	0.34	H	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		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	

### 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 partial 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

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

### Component

- ※ **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:** 6m power cable with plug

### Construction

NO.	MODEL	OUTLET	N. W	L x W x H
		(Inch)	(Kg)	(mm)
A	WQD250-D	1 1/4"	8	205×155×400
B	WQD370-D	1 1/2"	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

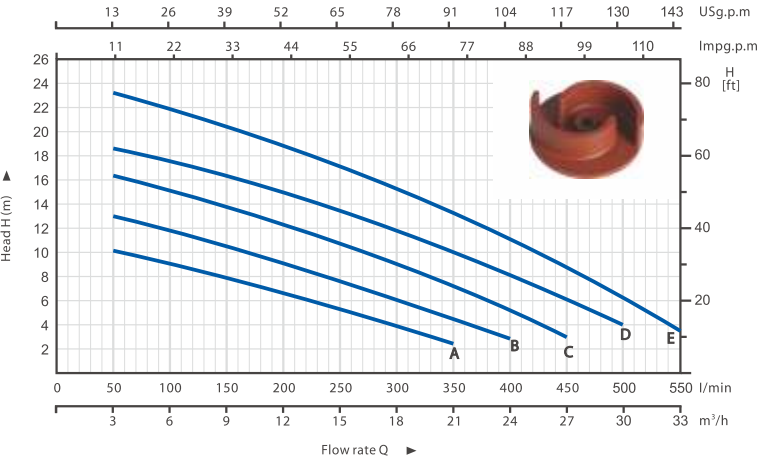
# WQD-S

## Submersible sewage pumps

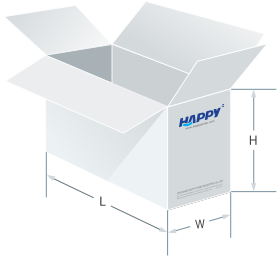


WQD-S

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		0	3	6	9	12	15	18	21	24	27	30	33		
A	WQD550-S	0.55	0.75	H	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		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		



### 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 partial 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

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

### Component

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

### Construction

NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(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



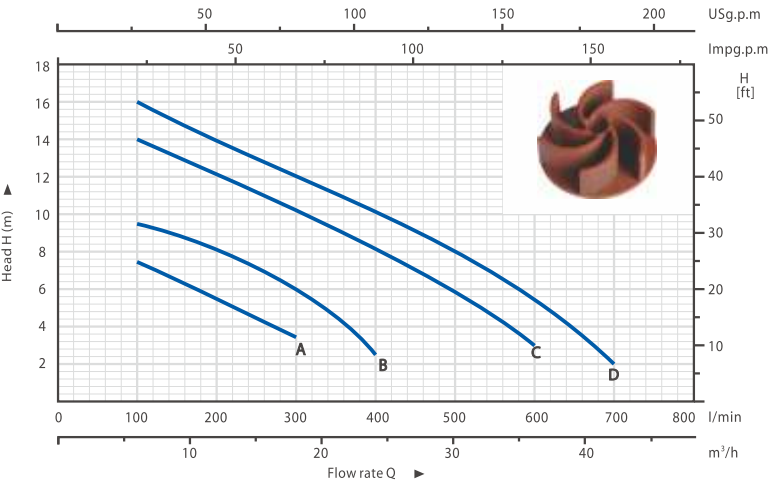
# H800F-B~H2250F-B

Submersible sewage pumps



H800F-B~H2250F-B

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42
		kW	HP									
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



## 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 partial up to a maximum of Ø30mm.

## 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

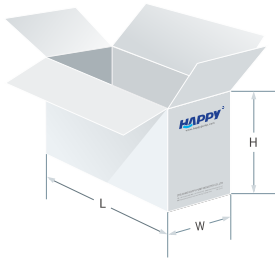
## Operating conditions

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

## Component

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

## Construction



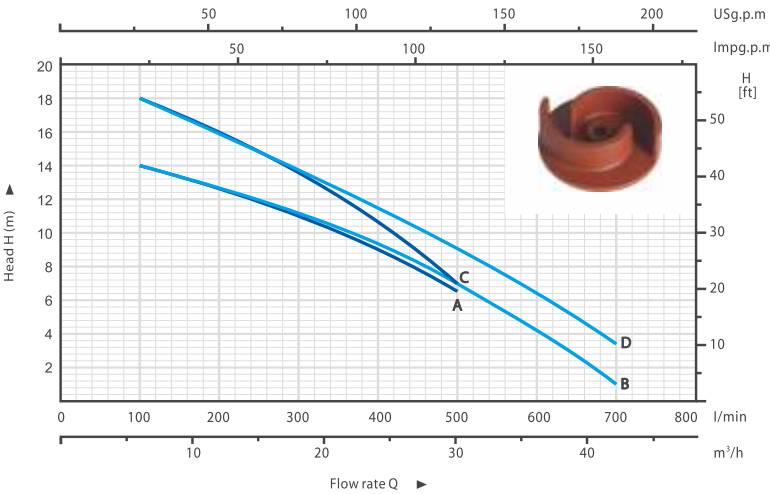
# V1500F~V2200F

Submersible sewage pumps

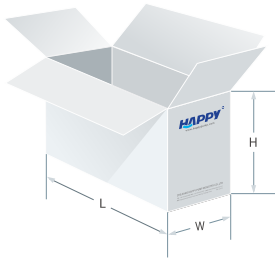


V1500F~V2200F

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42
		kW	HP									
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



## 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 partial up to a maximum of Ø15mm.

## 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

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

## Component

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

## Construction

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

# HVT-D/F

## Submersible sewage pumps



HVT-F

HVT-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 partial up to a maximum of  $\Phi 35\text{mm}$ .

### 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

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

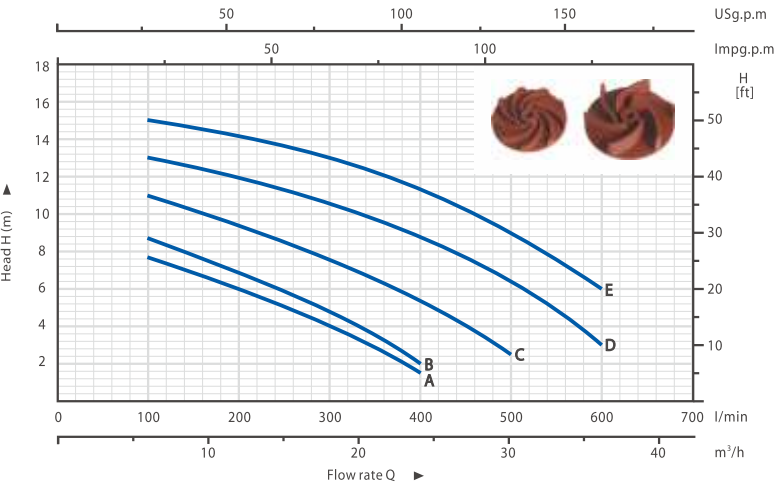
### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 6m power cable with plug

### PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)						
		kW	HP		0	6	12	18	24	30	36
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 partial up to a maximum of  $\Phi 35\text{mm}$ .

### 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

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

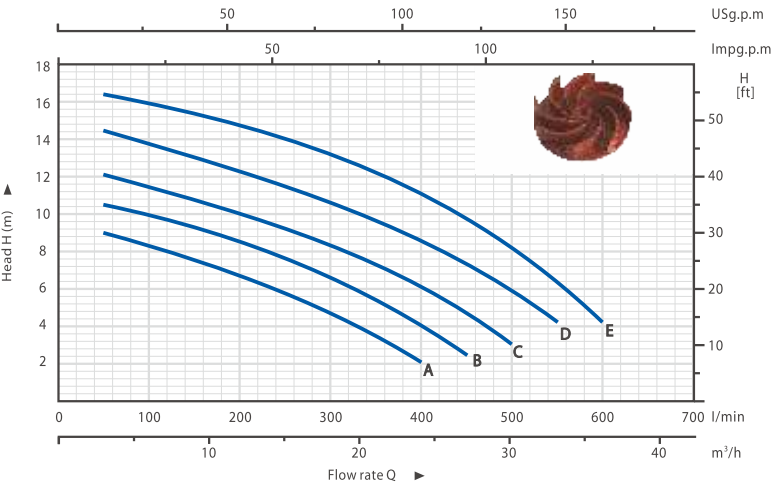
### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 6m power cable with plug

### PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)														
		kW	HP		0	3	6	9	12	15	18	21	24	27	30	33	36		
A	HVT-550C5	0.55	0.75	H	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		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 partial up to a maximum of  $\Phi 35\text{mm}$ .

### 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

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

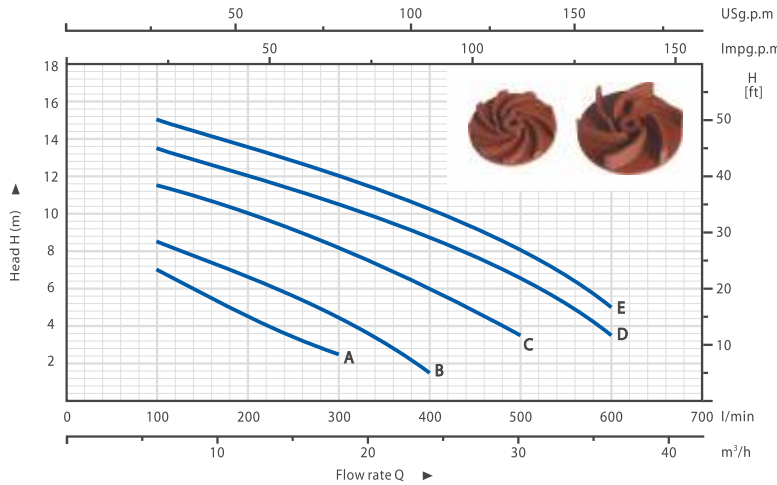
### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 6m power cable with plug

### PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36
		kW	HP								
A	VTX-550F	0.55	0.75	H	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		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 partial up to a maximum of  $\Phi 25\text{mm}$ .

### 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

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

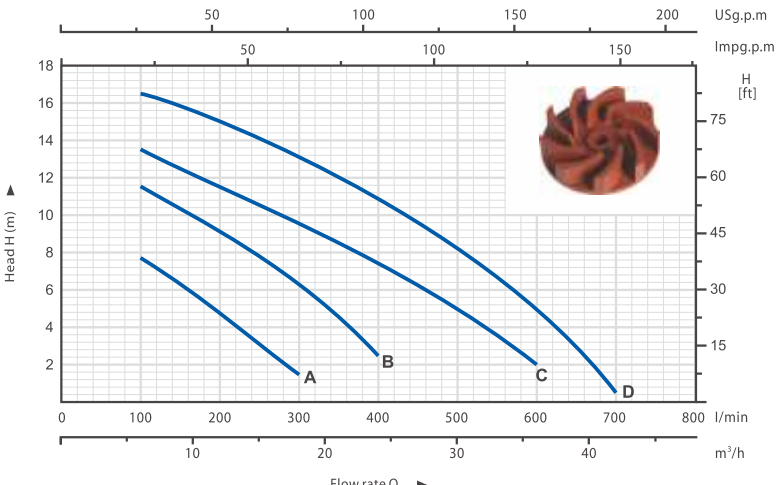
### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 6m power cable with plug

### PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42
		kW	HP									
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 partial up to a maximum of  $\Phi 40\text{mm}$ .

### 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

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

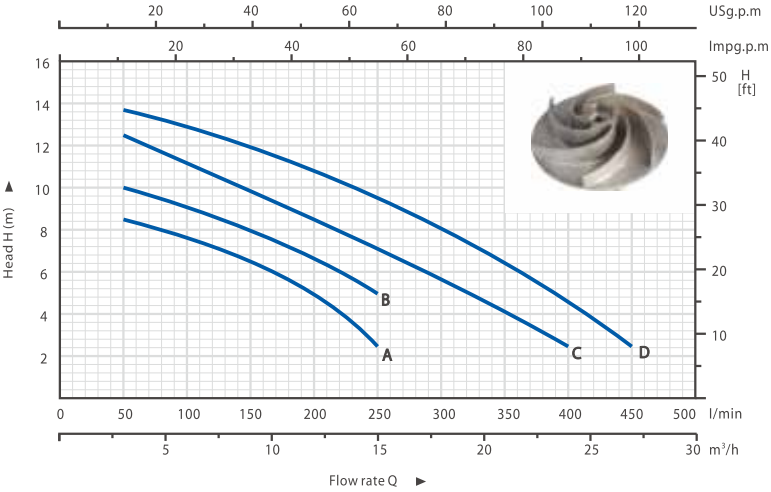
### Component

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

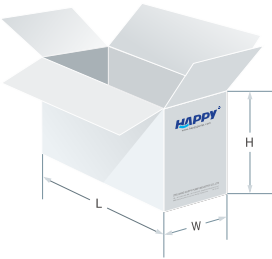
### Construction

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

### PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	( $\Phi\text{mm}$ )	(Kg)	(mm)
A	HWD-550S	1 1/2"	40	11	260×260×505
B	HWD-750S	1 1/2"	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		Q( $\text{m}^3/\text{h}$ )	Q(l/min)	0	3	6	9	12	15	18	21	24	27
		kW	HP			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 partial up to a maximum of  $\Phi 15\text{mm}$ .

### 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

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

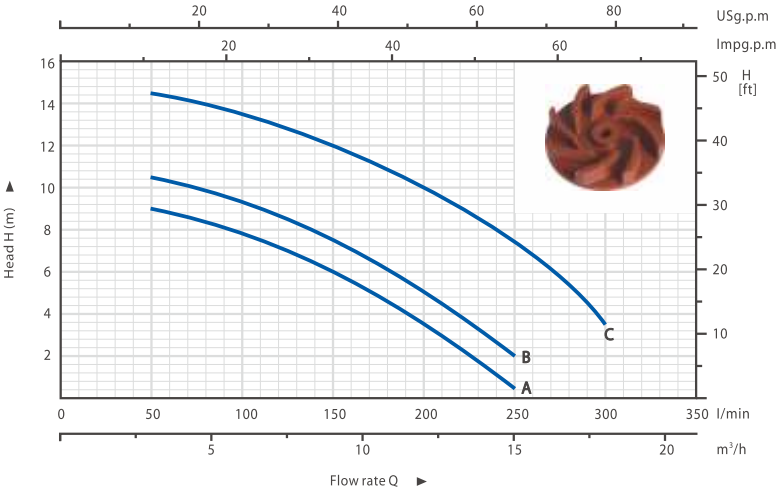
### Component

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

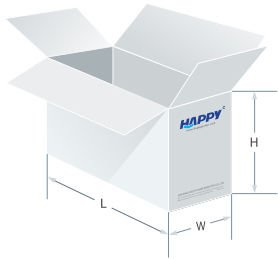
### Construction

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

### PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	( $\Phi\text{mm}$ )	(Kg)	(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		Q( $\text{m}^3/\text{h}$ )	Q(l/min)	0	3	6	9	12	15	18
		kW	HP			0	50	100	150	200	250	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	



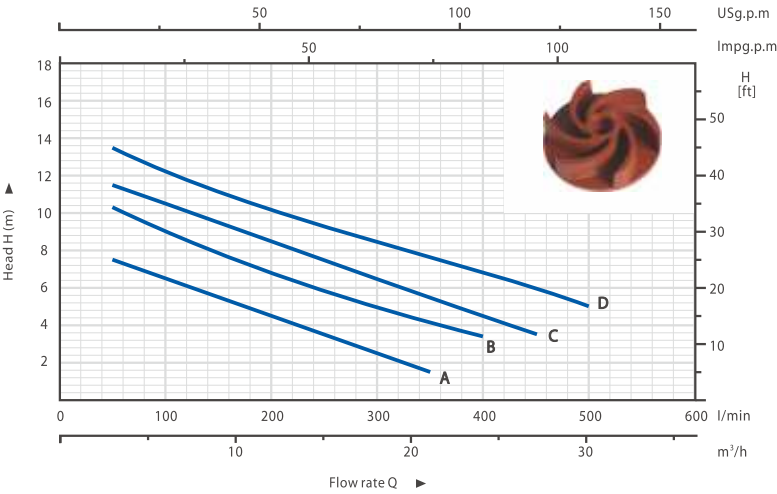
# HTD

## Submersible sewage pumps



HTD

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	11	15	18	21	24	27	30
		kW	HP		0	50	100	150	200	250	300	350	400	450	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

### 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 partial up to a maximum of Ø45mm.

### 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

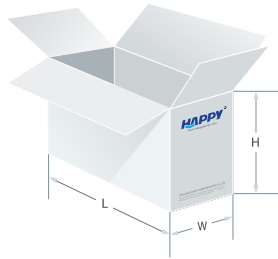
### Operating conditions

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

### Component

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

### Construction



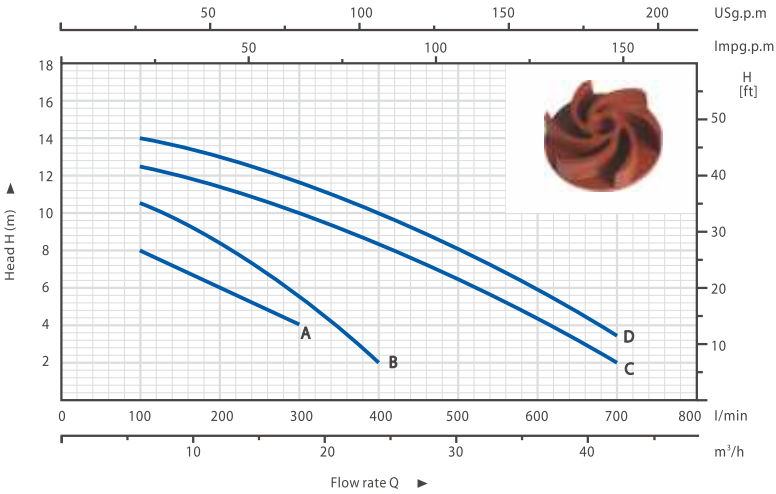
# HUD

## Submersible sewage pumps

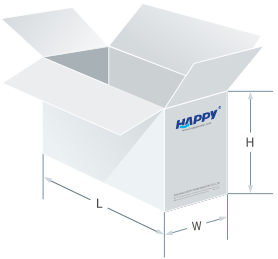


HUD

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	6	12	18	24	30	36	42	45
		kW	HP		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	



### 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 partial up to a maximum of Ø35mm.

### 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

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

### Component

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

### Construction

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	2½"	35	28.5	333×235×525
D	HUD-1500	2½"	35	30.5	333×235×525

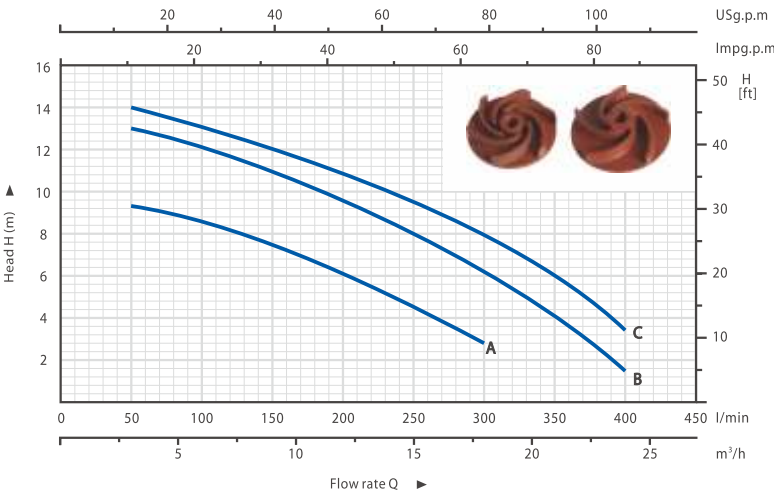
# HD1150F~HD1550F

Cutting system submersible sewage pumps



HD1150F~HD1550F

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24
		kW	HP	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

### 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

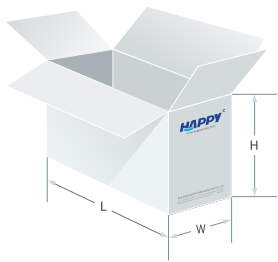
- ※ **5m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 8m power cable with plug



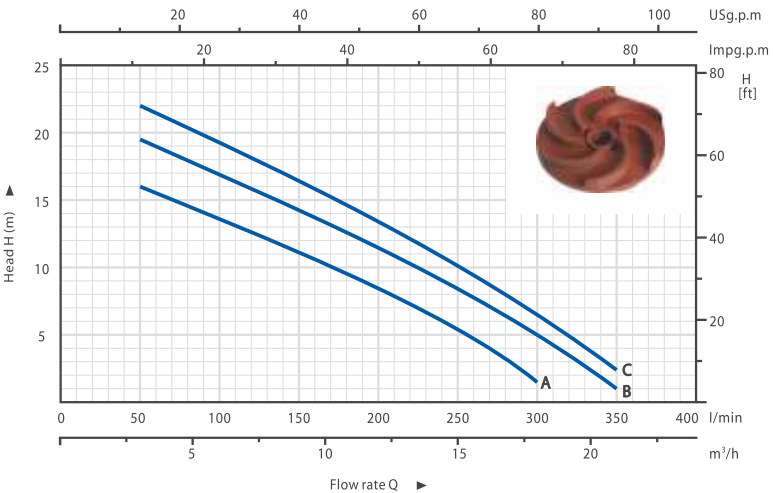
# CUT

Cutting system submersible sewage pumps

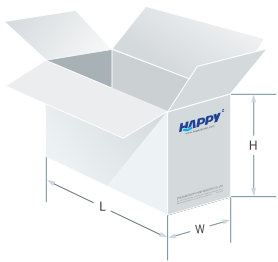


CUT

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24
		kW	HP		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	



### 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: gloves, 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

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

### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 8m power cable with plug

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



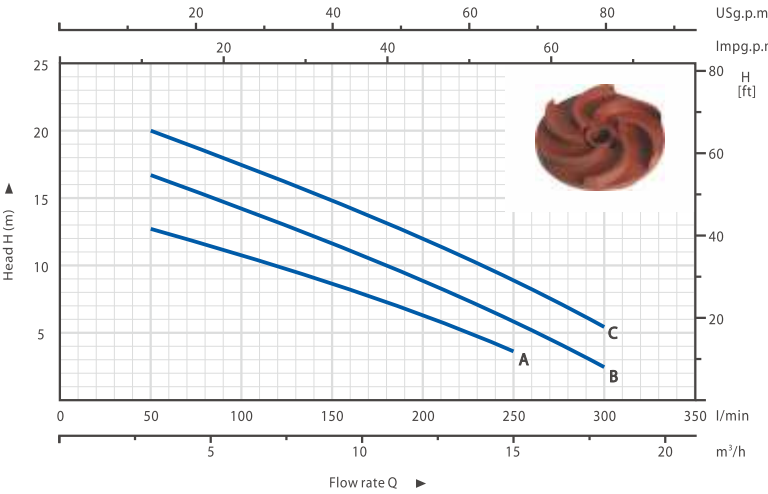
# CUT-C5

Cutting system submersible sewage pumps



CUT-C5

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18
		kW	HP		0	50	100	150	200	250	300
A	CUT-800C5	0.8	1	H	14	12.7	10.7	8.36	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

### 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: gloves, 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

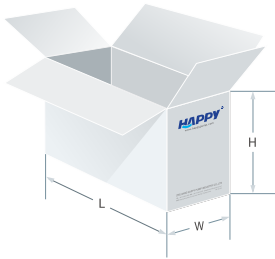
- ※ **5m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

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

### Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 8m power cable with plug



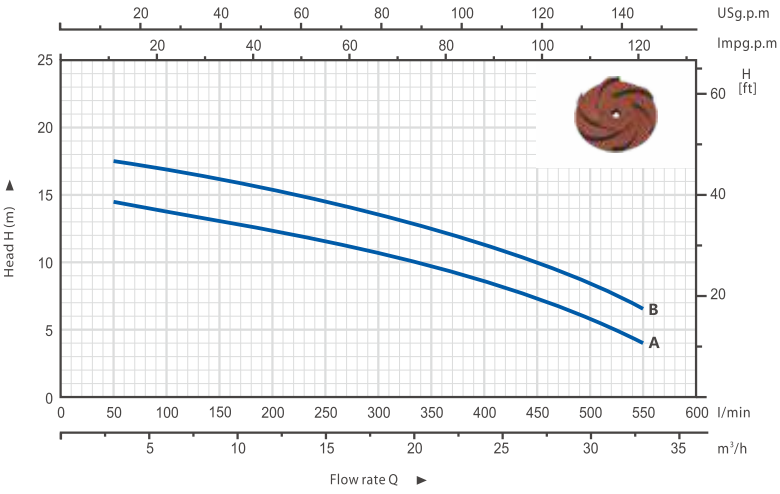
# WQH-QG

Cutting system submersible sewage pumps



WQH-QG

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33
		kW	HP		0	50	100	150	200	250	300	350	400	450	500	550
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

### 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 Φ5mm.

### 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

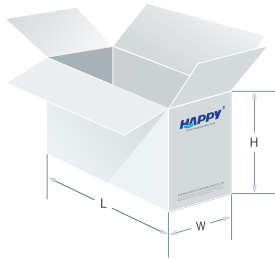
- ※ **5m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

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

### Construction

- Cast iron
- Cast iron
- Cast iron
- AISI304 SS
- SIC-SIC/Ceramic-Graphite
- 8m power cable with plug



# WQH

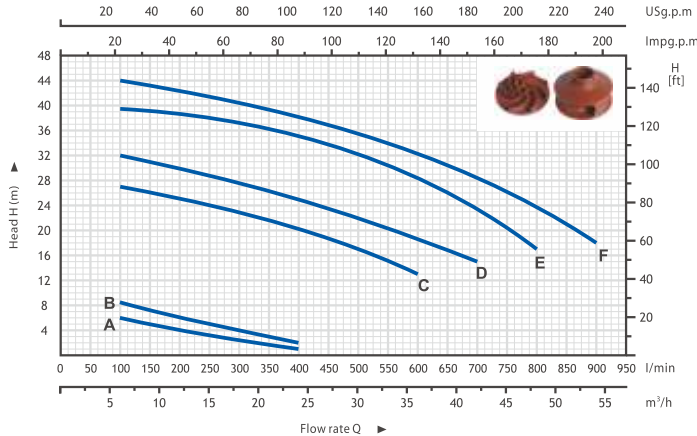
## Submersible sewage pumps



WQH0.55~2.2

WQH3.0~7.5

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42	48	54
		kW	HP											
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		28	27	25	22.5	20.5	17.5	13			
D	50WQH4000	4	5.5		33	32	30	27.5	25	22	19.5	15		
E	50WQH5500	5.5	7.5		40	39.5	38.3	37	35	31.5	27	22	17	
F	50WQH7500	7.5	10		45	44	42.7	41	38.5	35.5	32	28	23	18

### 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 partial 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

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

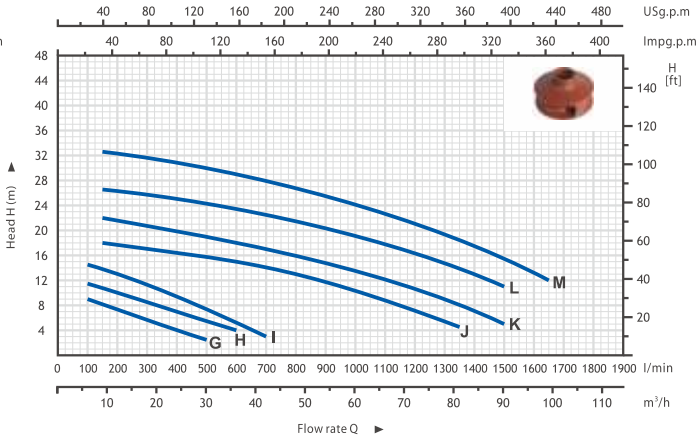
### Component

- ※ **Pump body:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**
- ※ **Cable:**

### Construction

- Cast iron
- Cast iron
- Cast iron
- AISI304 SS
- SIC/SIC(0.55~2.2kW)  
Alloy/SIC(3.0~7.5kW)
- 8m power cable with plug

PERFORMANCE CHART AT n=2850RPM

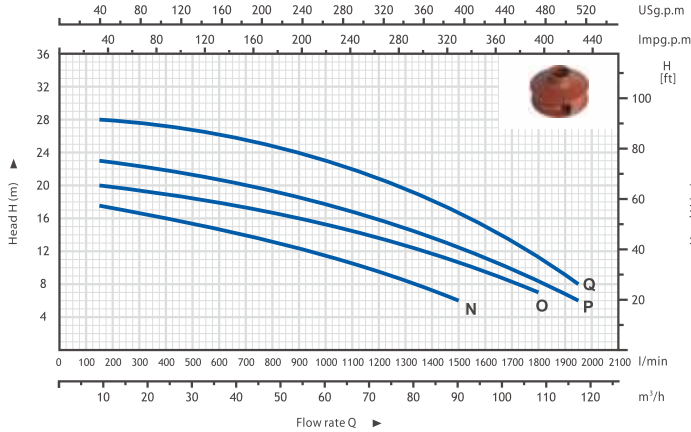


# WQH

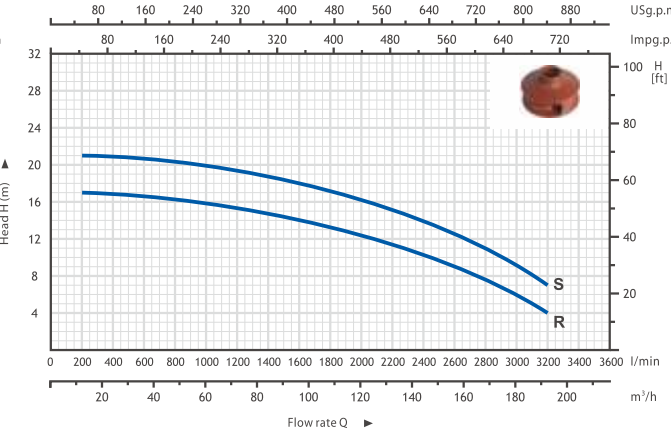
## Submersible sewage pumps

NO.	MODEL	POWER		Q(m³/h)	0	9.0	18.0	27.0	36.0	45.0	54.0	63.0	72.0	81.0	90.0	99.0
		kW	HP		Q(l/min)	150	300	450	600	750	900	1050	1200	1350	1500	1650
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		19	18	17	16	15	14	12	9.7	7.5	4.5		
K	80WQH4000	4	5.5		22	21	20	19	18	17	15.5	13	10.5	8	5	
L	80WQH5500	5.5	7.5		26.5	26	25	24	23	21.5	20.5	18.5	16.7	13.8	11	
M	80WQH7500	7.5	10		32.5	32.2	31.8	31	30.2	29.2	28	26.5	24.5	21.5	18	12

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
		kW	HP		Q(l/min)	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950
N	100WQH3000	3	4	H	18.5	17.5	16.5	15.5	14.5	13.5	12.5	11.5	10	8	6			
O	100WQH4000	4	5.5		21	20	19	18	17.5	17	16	15.3	14.5	13.3	11	9	7	
P	100WQH5500	5.5	7.5		24	23	22	21	20	19.5	18.5	17.5	16.5	15	13	11	9	6
Q	100WQH7500	7.5	10		29	28	27.5	26.8	26	25	24	22.5	21	19	17	14	11	8

NO.	MODEL	POWER		Q(m³/h)	0	24	48	72	96	120	144	168	192
		kW	HP		Q(l/min)	400	800	1200	1600	2000	2400	2800	3200
R	150WQH5500	5.5	7.5	H	18	17	16	15	14	12	10	7	4
S	150WQH7500	7.5	10		22	21	20	19	18	16	13.5	11	7

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	285×255×555
D	50WQH4000	2"	19	57	285×255×565
E	50WQH5500	2"	17	71	315×285×615
F	50WQH7500	2"	17	78	315×285×645
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"	26	55	300×275×585

NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
K	80WQH4000	3"	26	60	300×275×605
L	80WQH5500	3"	26	74	340×295×635
M	80WQH7500	3"	26	81	340×295×665
N	100WQH3000	4"	30	56	330×300×595
O	100WQH4000	4"	30	61	330×300×610
P	100WQH5500	4"	32	75	345×295×650
Q	100WQH7500	4"	32	83	345×295×680
R	150WQH5500	6"	35	83	410×335×680
S	150WQH7500	6"	35	90	410×335×705



# WQ-B

## Submersible sewage pumps



WQ-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 partial up to a maximum of  $\Phi 35\text{mm}$ .

### 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

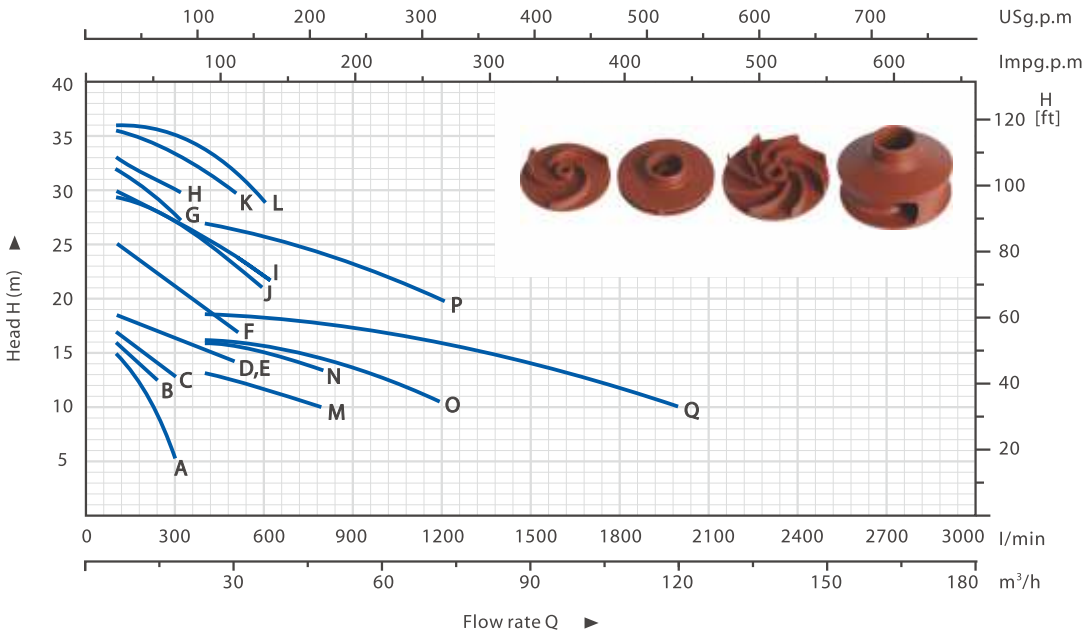
- ※ **5m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Alloy/SiC
- ※ **Cable:** 8m power cable

### Construction

### PERFORMANCE CHART AT $n=2850\text{RPM}$



# WQ-B

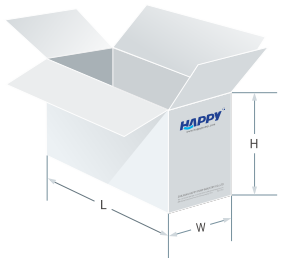
## Submersible sewage pumps



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	6	12	18	24	30	36
		kW	HP		0	100	200	300	400	500	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		Q(m³/h) Q(l/min)	0	24	48	72	96	120	144
		kW	HP		0	400	800	1200	1600	2000	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	PARTICAL	BEARING	N.W	L x W x H
		(Inch)	(Φmm)	(RZ)	(Kg)	(mm)
A	WQ15-12-1.1B	2 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 1/2"	25	6204/6205*2	46	260×210×575
F	WQ25-20-3B	2 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 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 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



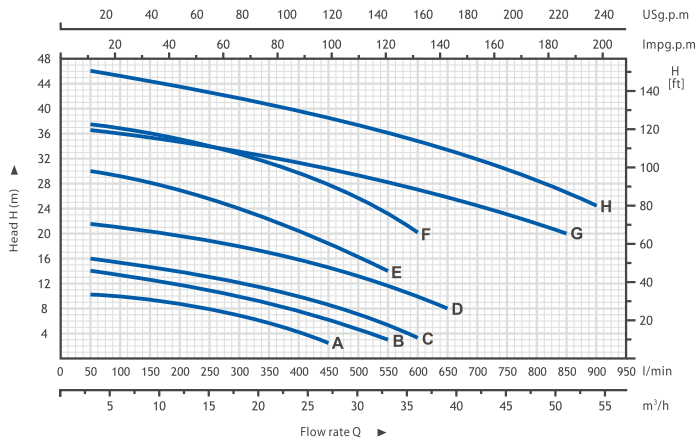
# WQ

## Submersible sewage pumps



WQ

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	

### 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 Ø35mm.

### 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

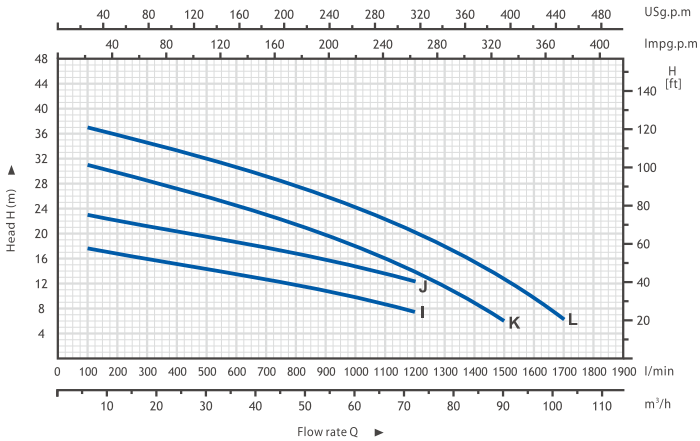
- ※ **5m** maximum immersion depth
- ※ Liquid temperature up to **35°C**
- ※ Maximum ambient temperature **40°C**

### Component

- ※ **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:** 8m power cable

### Construction

PERFORMANCE CHART AT n=2850RPM

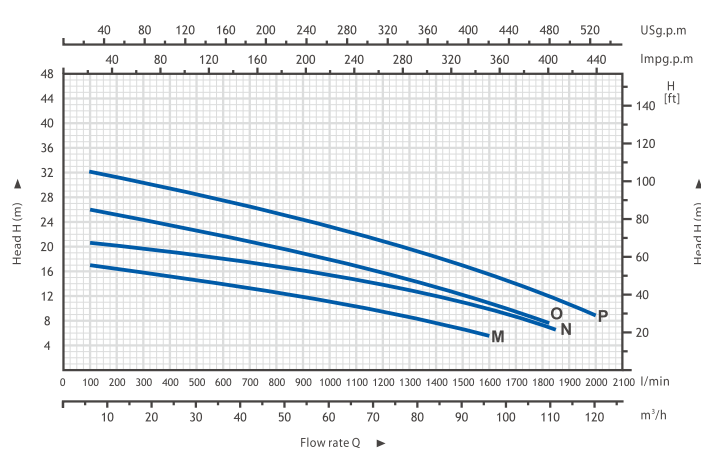


# WQ

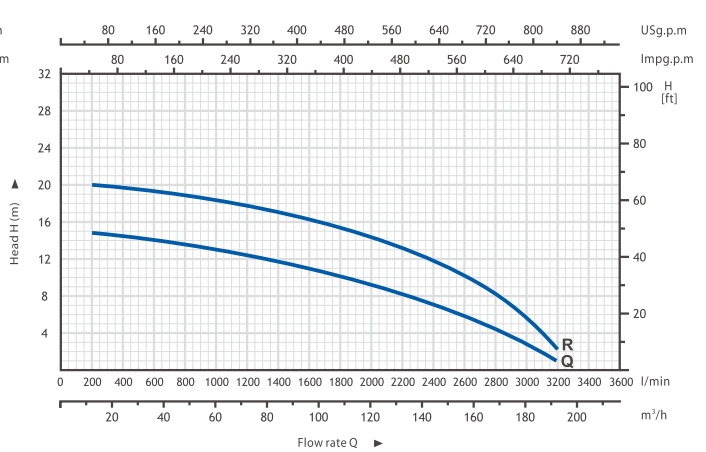
## Submersible sewage pumps

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



PERFORMANCE CHART AT n=2850RPM



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	PARTIAL	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	215×265×480
C	50WQ1.5	2"	20	26	215×265×525
D	50WQ2.2	2"	20	27.5	215×265×525
E	50WQ3.0	2"	20	56	295×360×672
F	50WQ4.0	2"	20	61.8	275×325×675
G	50WQ5.5	2"	20	81	330×360×760
H	50WQ7.5	2"	20	88	338×360×780
I	80WQ3.0	3"	20	56.5	285×370×695

NO.	MODEL	OUTLET	PARTIAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
J	80WQ4.0	3"	20	62	285×360×712
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  $\Phi 100\text{mm}$

### 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

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

### Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Alloy/Ceramic-Graphite
- ※ **Cable:** 8m power cable

### Construction

NO.	MODEL	POWER		SPEED (R/min)	VIT. (V)	FREQ. (Hz)	Q.RATE		H.RATE (m)	OUTLET (Inch)
		kW	HP				(m³/h)	(L/min)		
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

NO.	MODEL	POWER		SPEED (R/min)	VIT. (V)	FREQ. (Hz)	Q.RATE		H.RATE (m)	OUTLET (Inch)
		kW	HP				(m³/h)	(L/min)		
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 (R/min)	VIT. (V)	FREQ. (Hz)	Q.RATE		H.RATE (m)	OUTLET (Inch)
		kW	HP				(m³/h)	(L/min)		
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	400WQ1300-8-55	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	200WQ300-60-90	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	500WQ2500-8-90	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



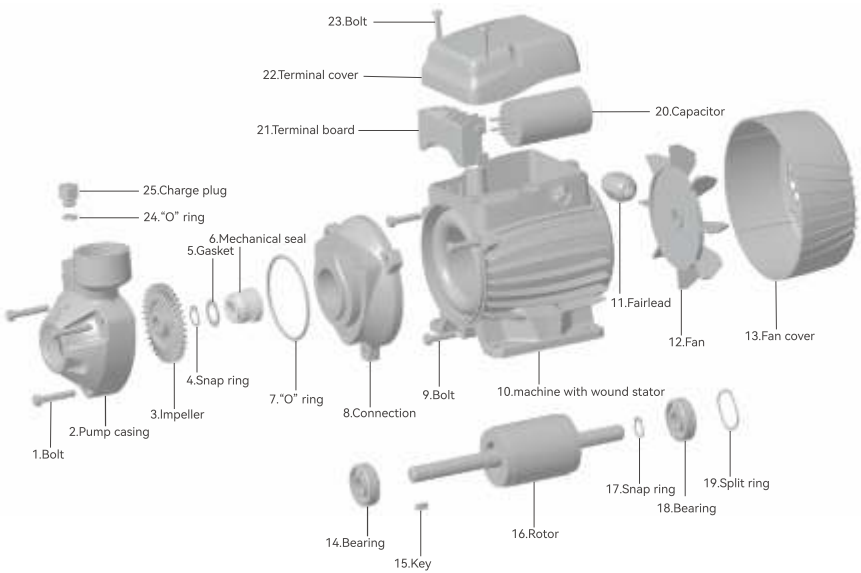
WQ

Submersible sewage pumps

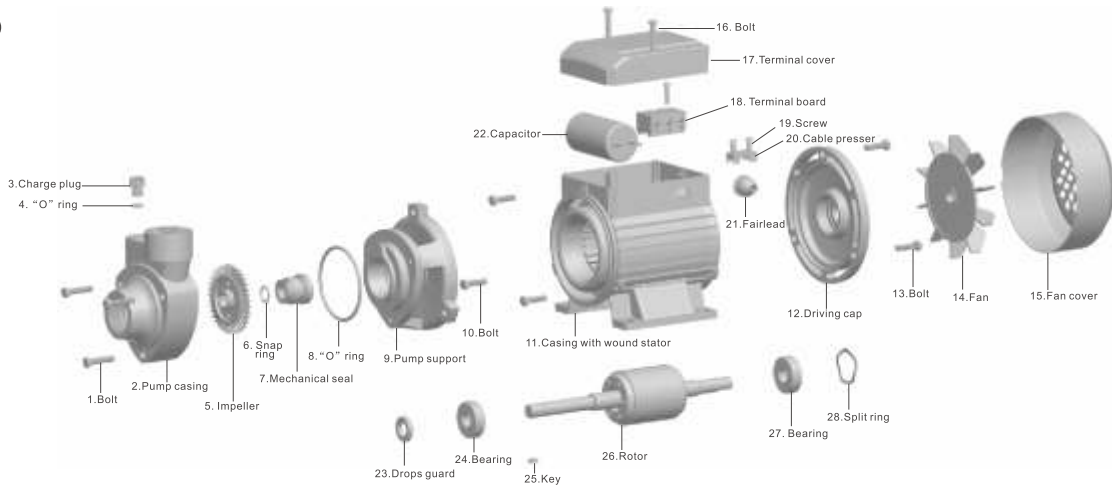
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		kW	HP				(m³/h)	(L/min)		
99	350WQ1100-28-132	132	176	1450	380	50	1100	18333	28	14
100	350WQ1500-20-132	132	176	980	380	50	1500	25000	20	14
101	400WQ1700-16-132	132	176	1450	380	50	1700	28333	16	16
102	400WQ2000-15-132	132	176	980	380	50	2000	33333	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

EXPLODE DRAWING

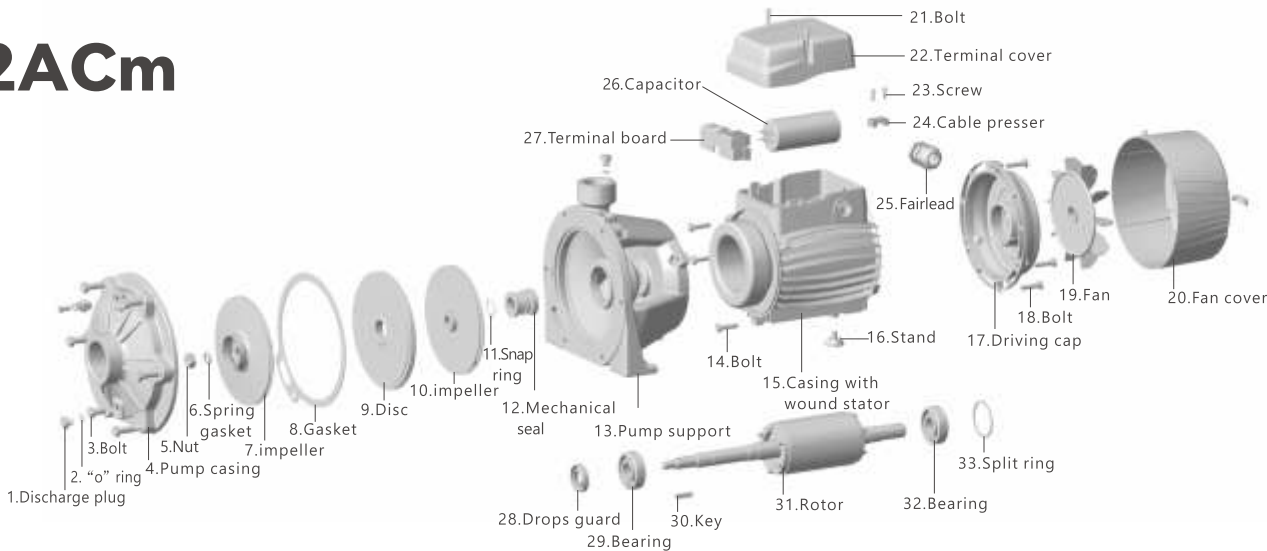
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QB

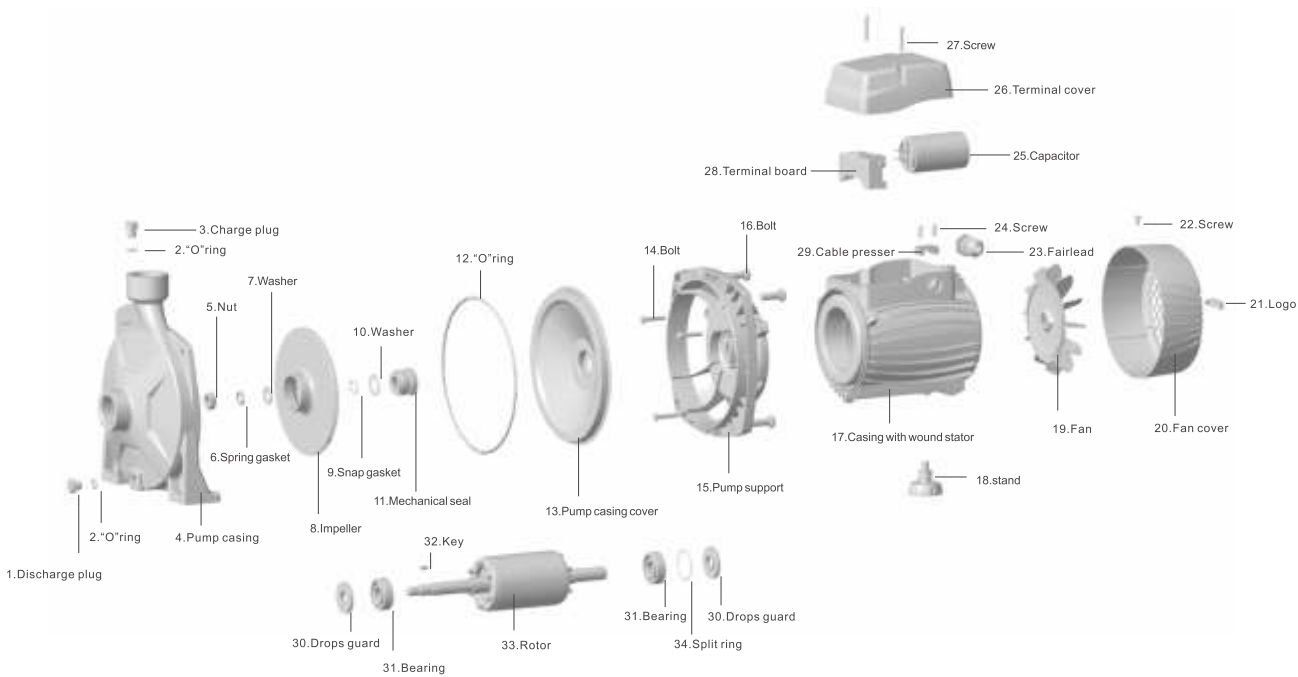


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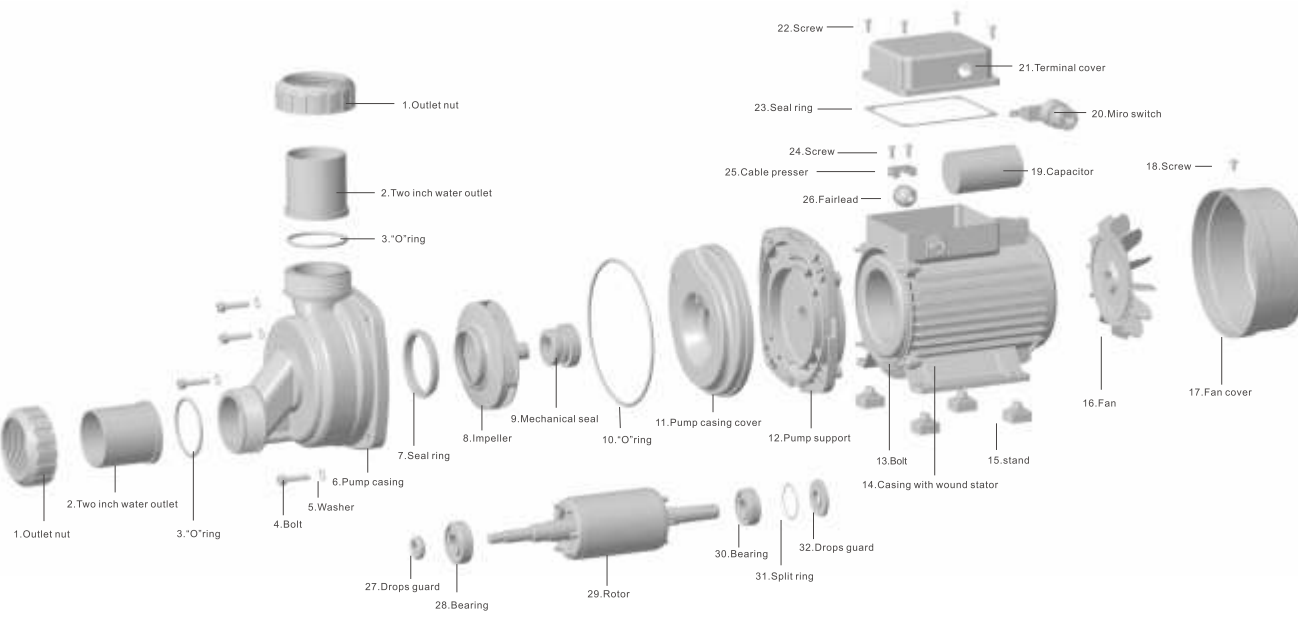


EXPLODE DRAWING

ACm

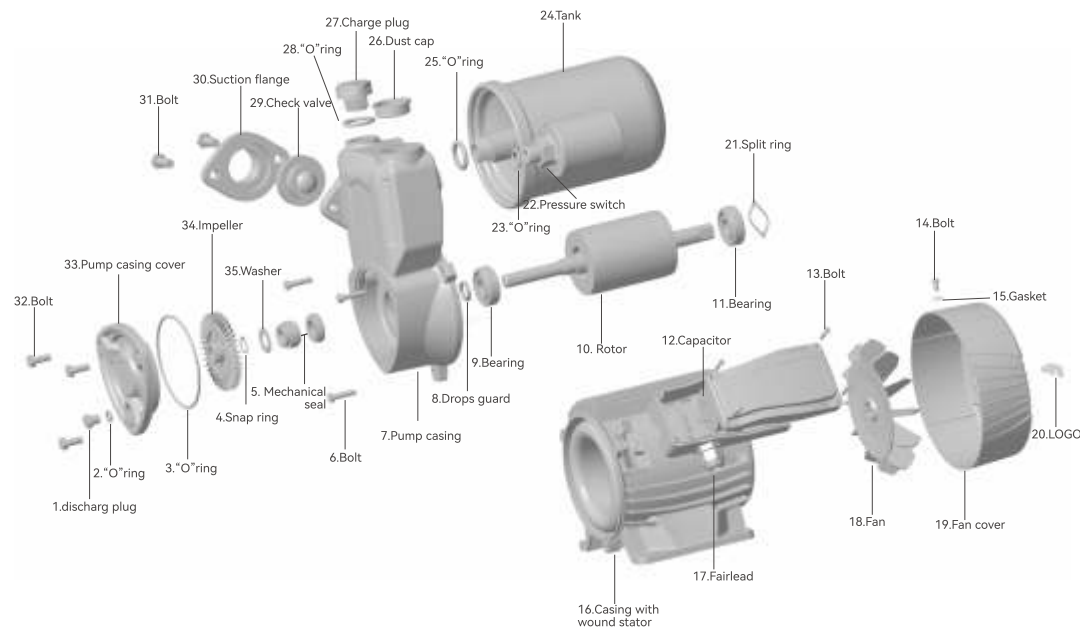


HSPA

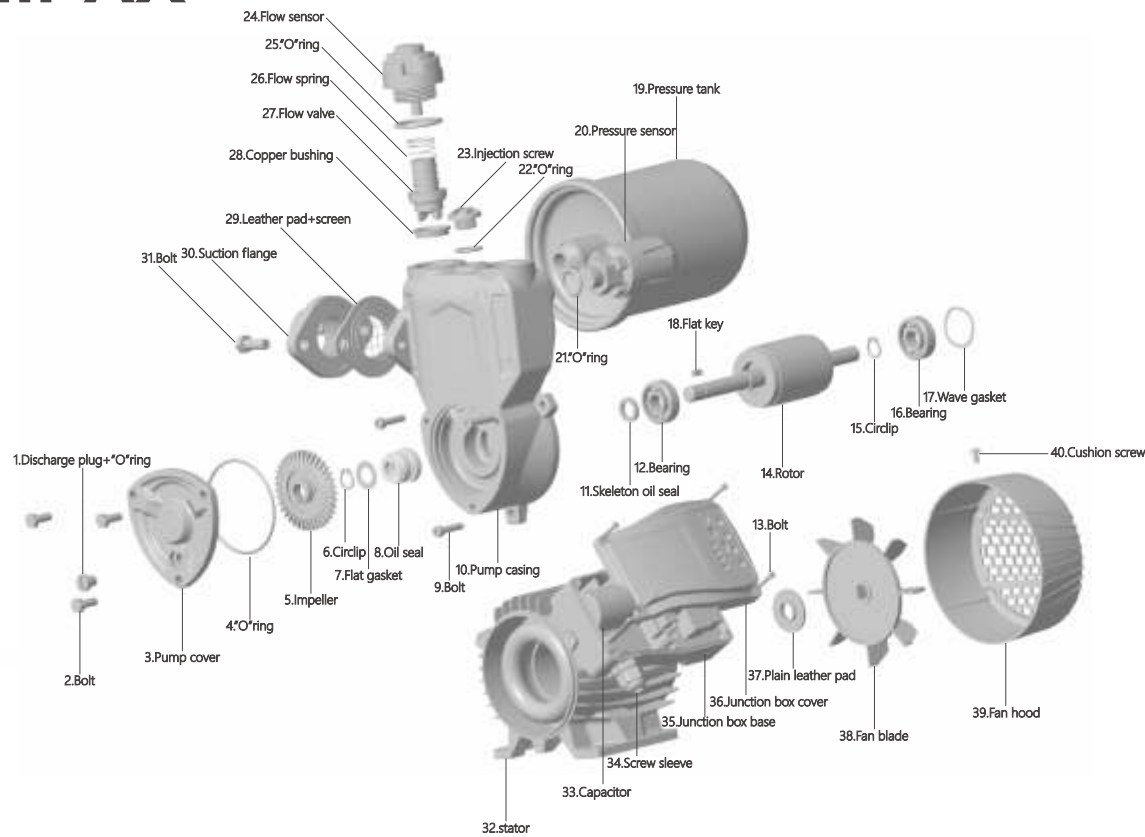


EXPLODE DRAWING

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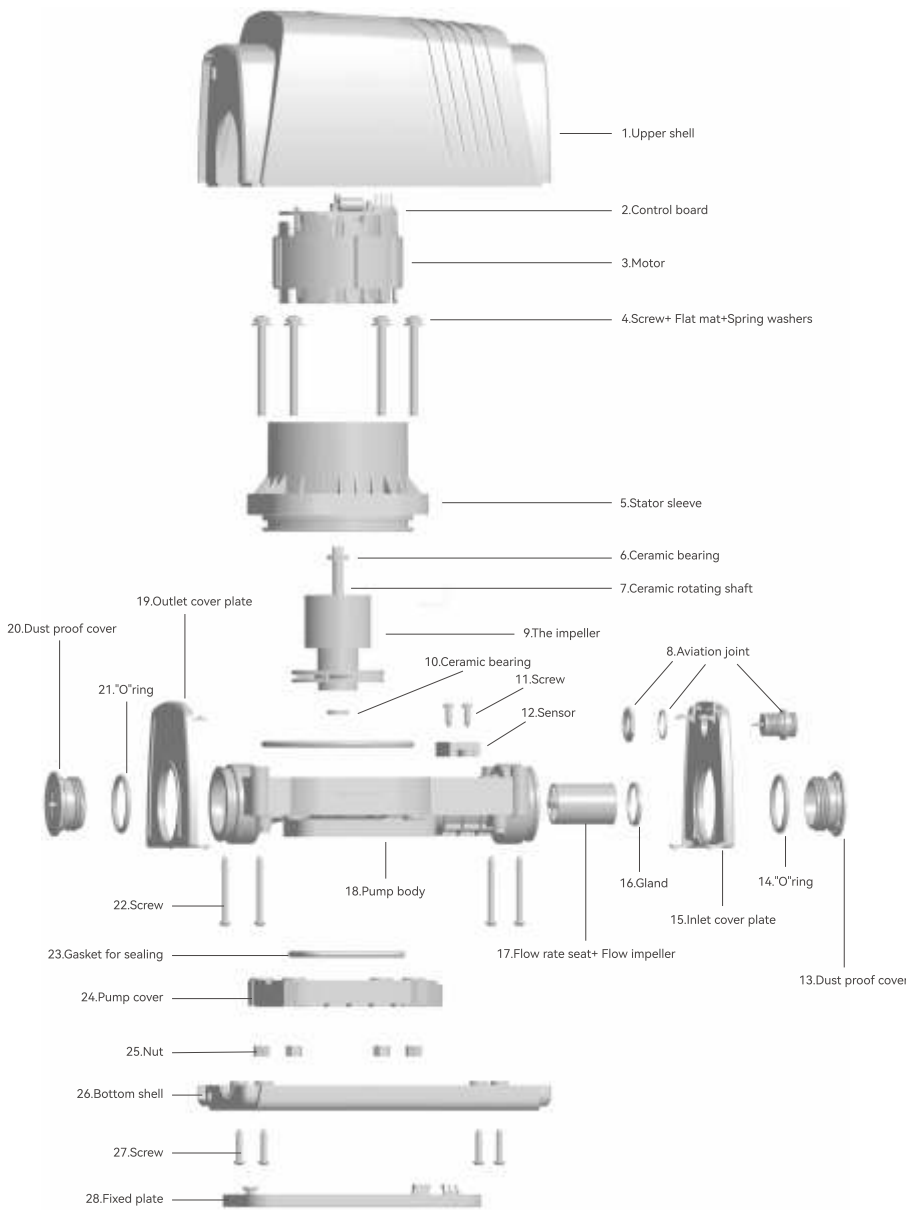


**HPSm-AX**



EXPLODE DRAWING

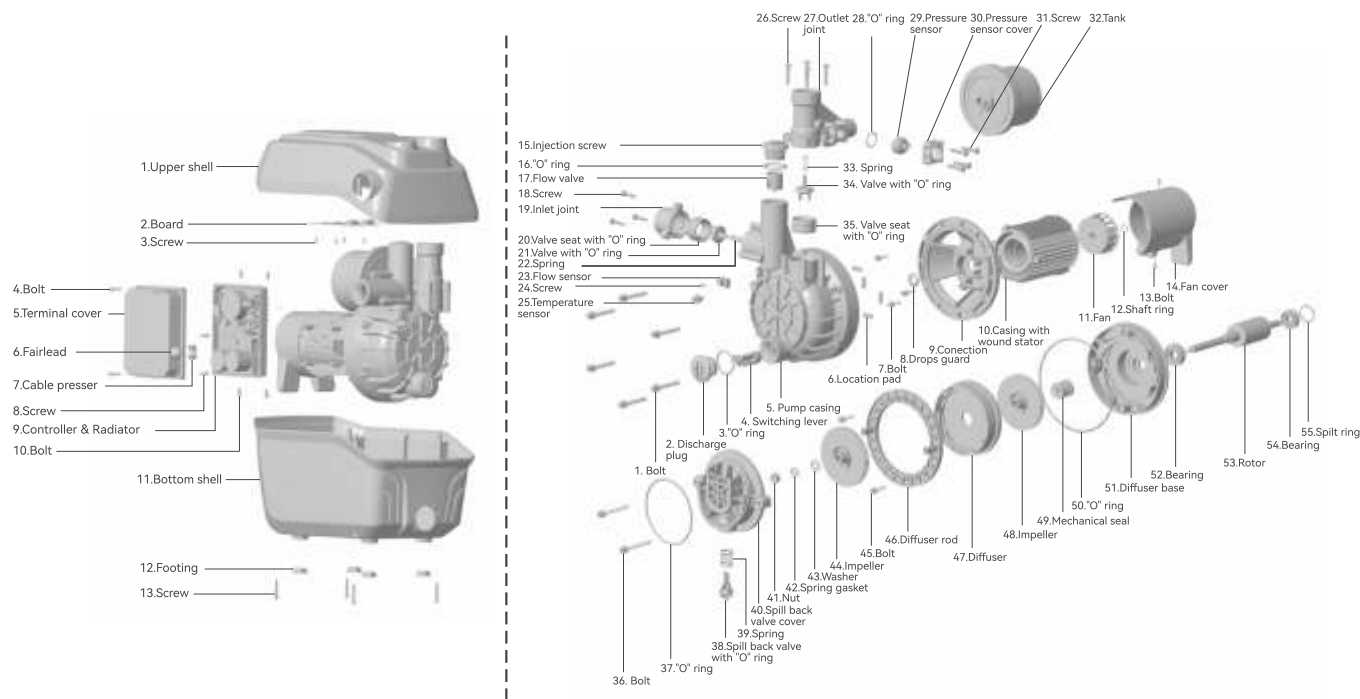
**H16**





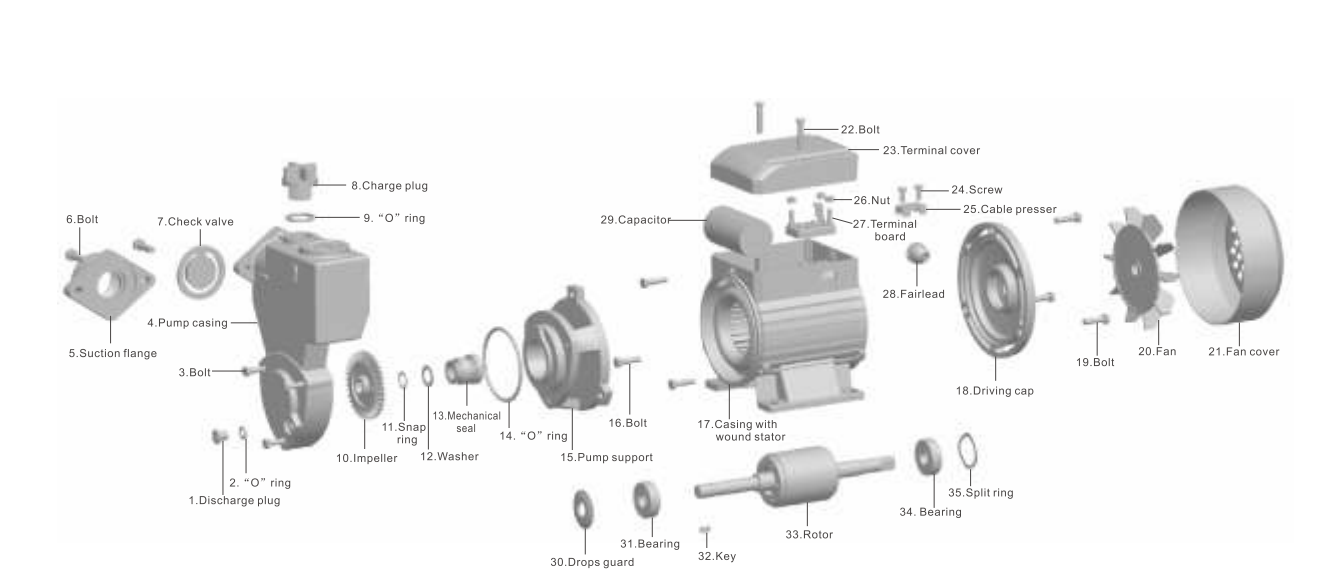
EXPLODE DRAWING

2HIC

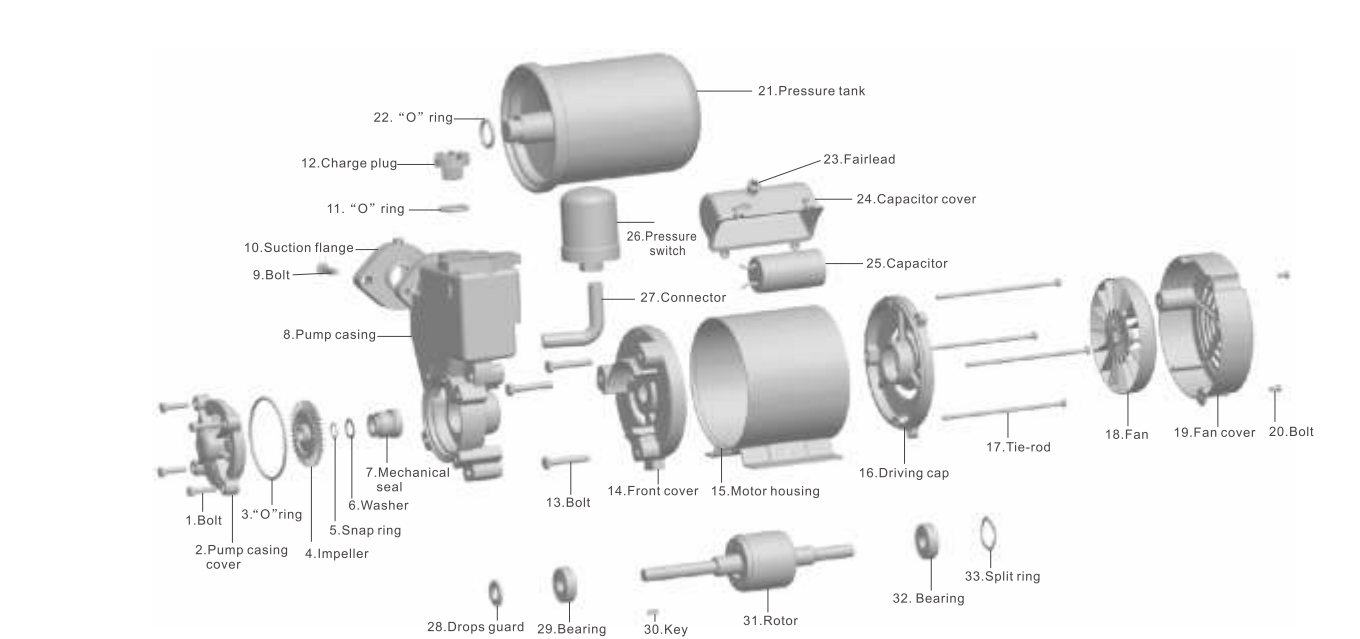


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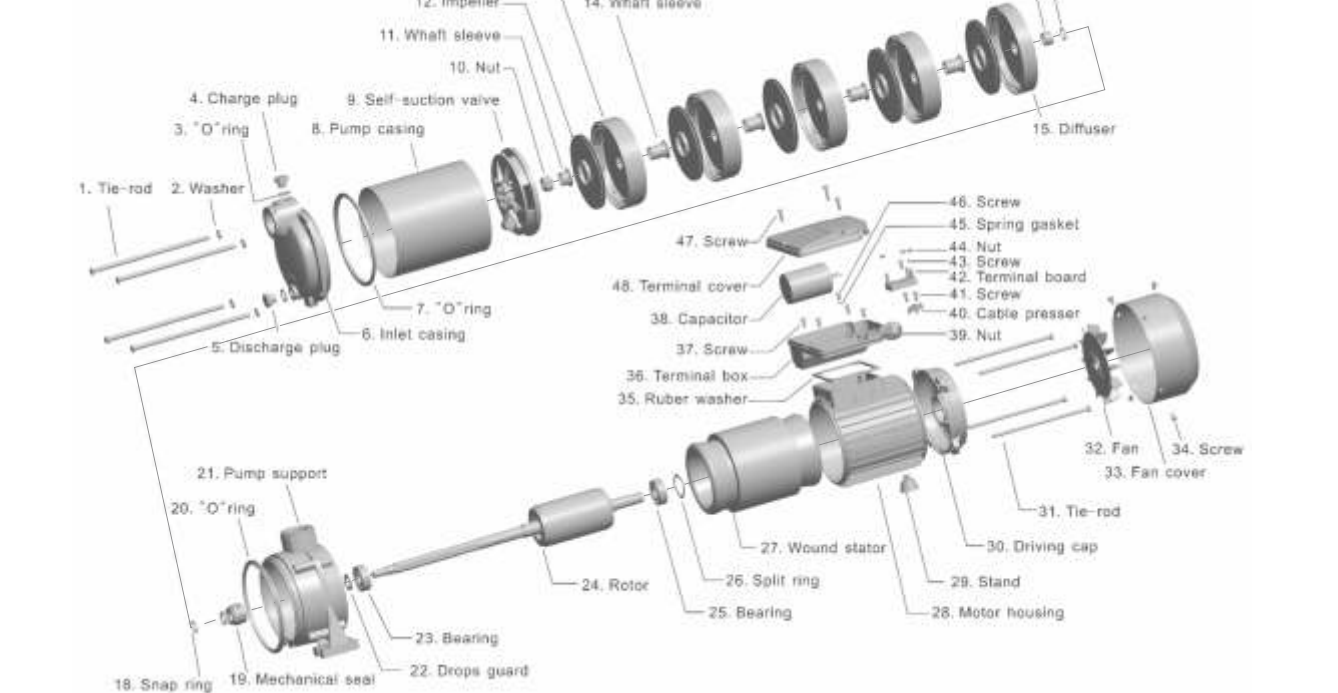
HKS



PS

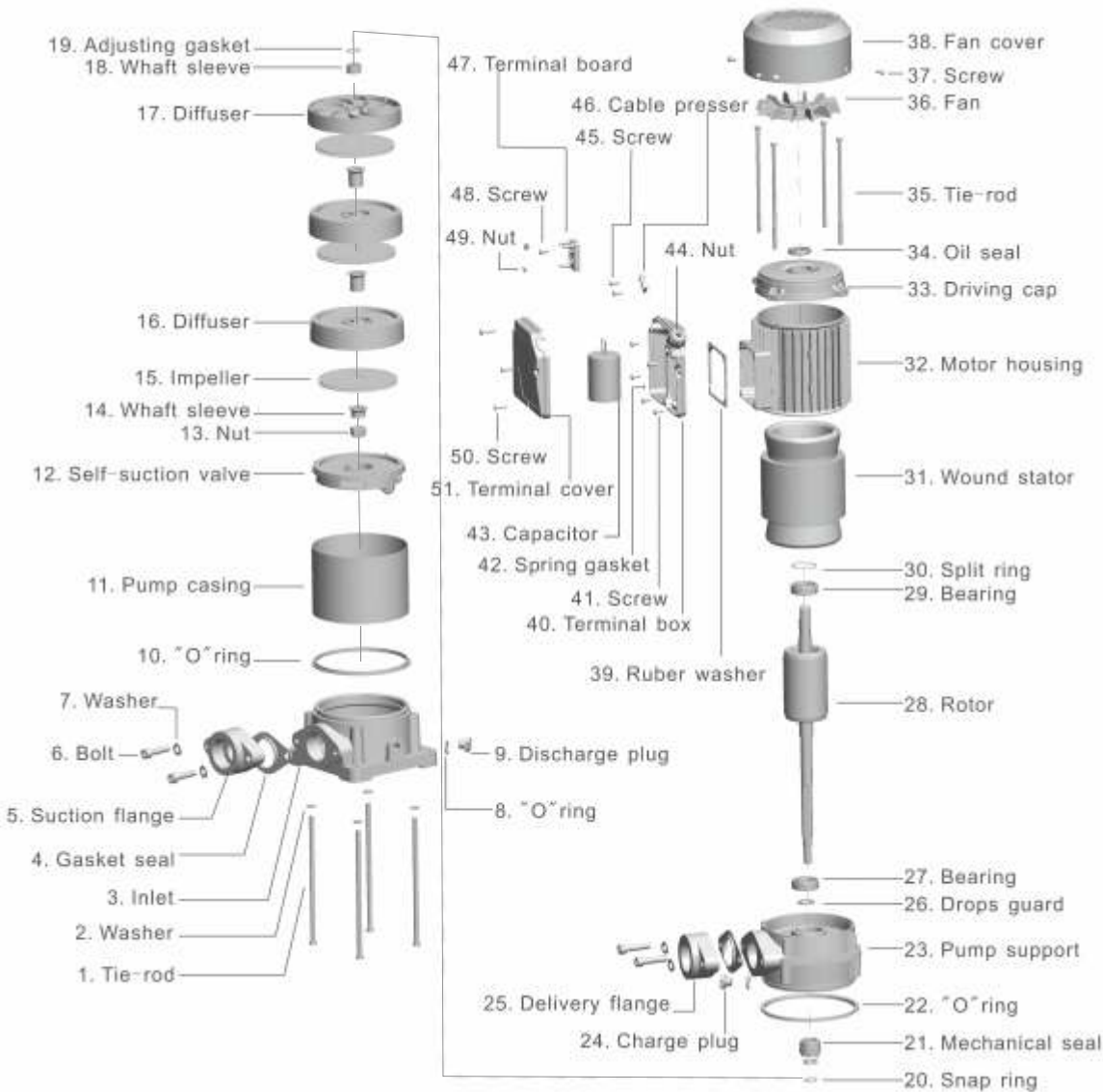


HMC-SH



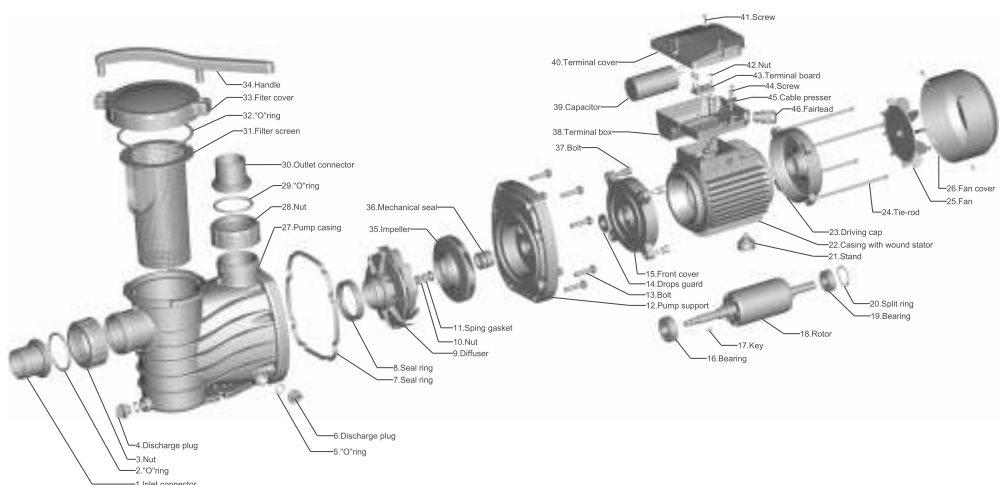
EXPLODE DRAWING

HMC-SV

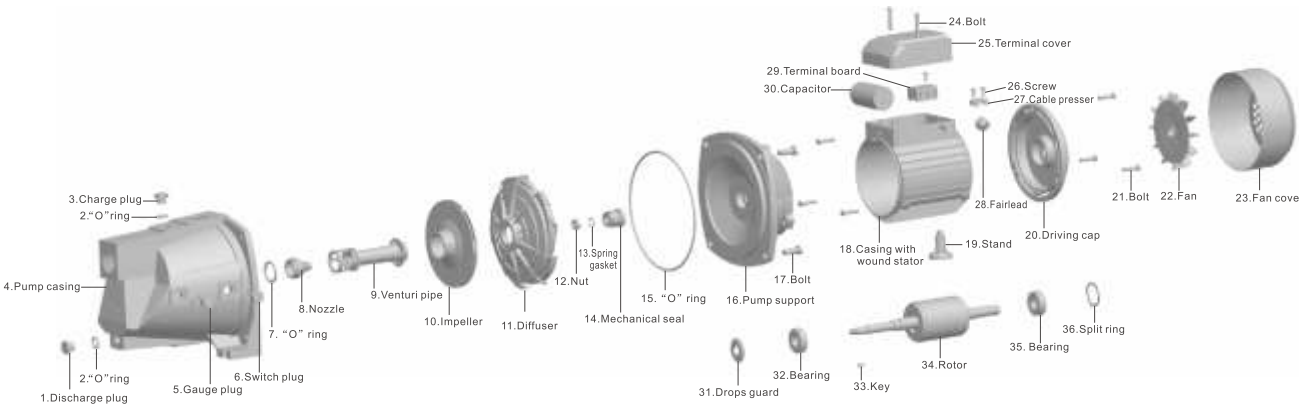


EXPLODE DRAWING

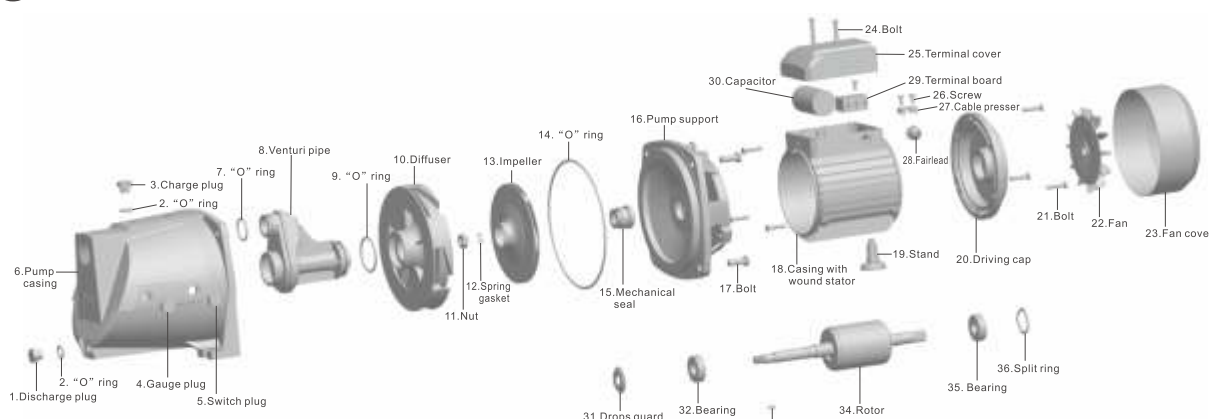
HFC-01



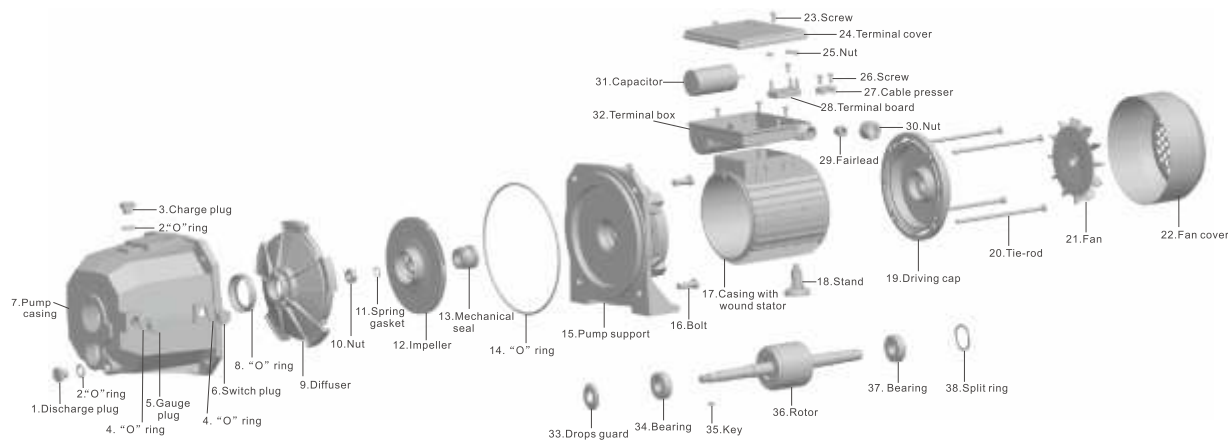
JSP



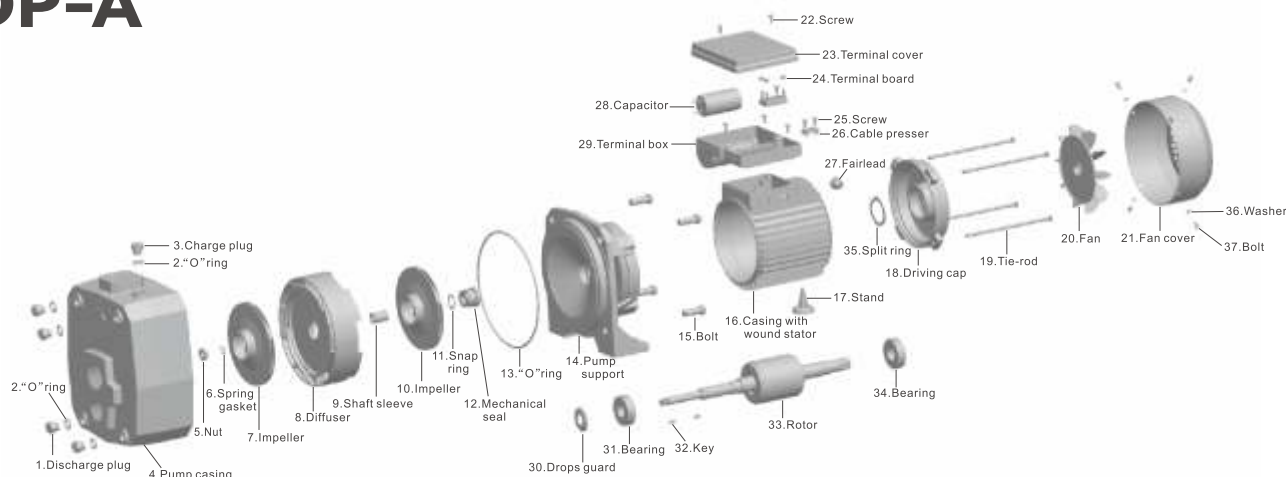
HJ



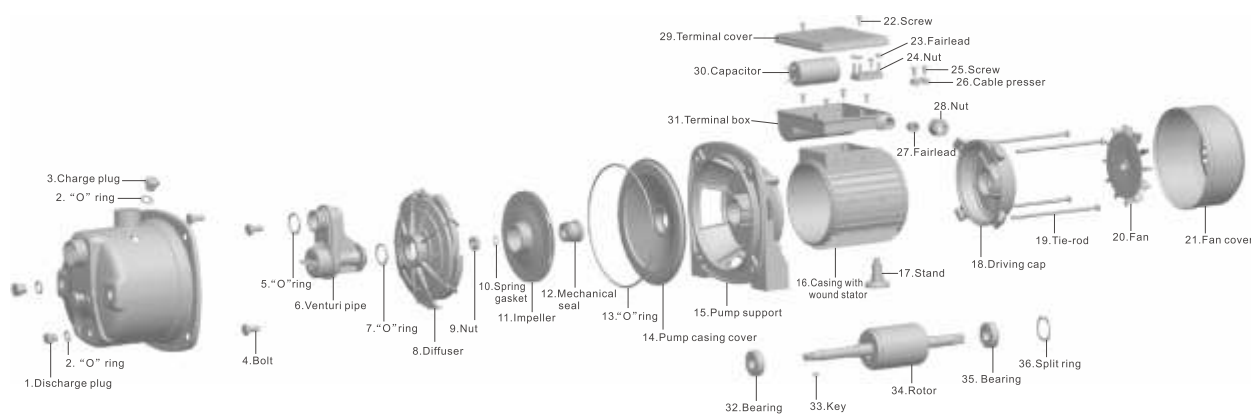
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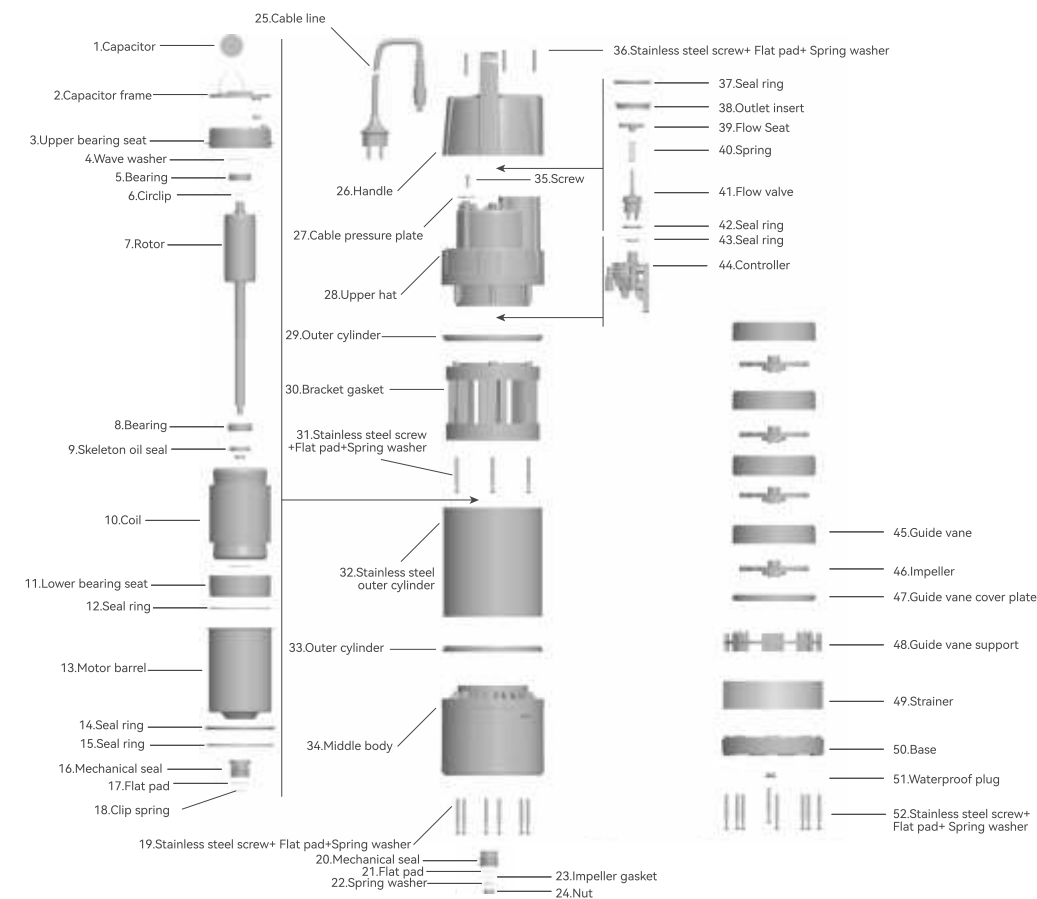
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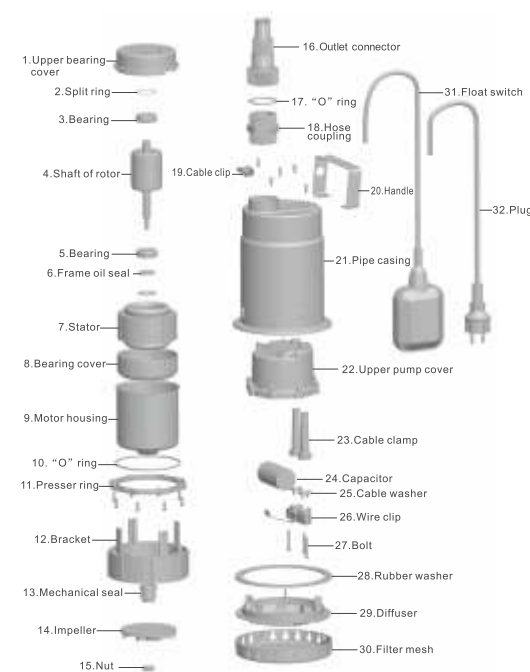
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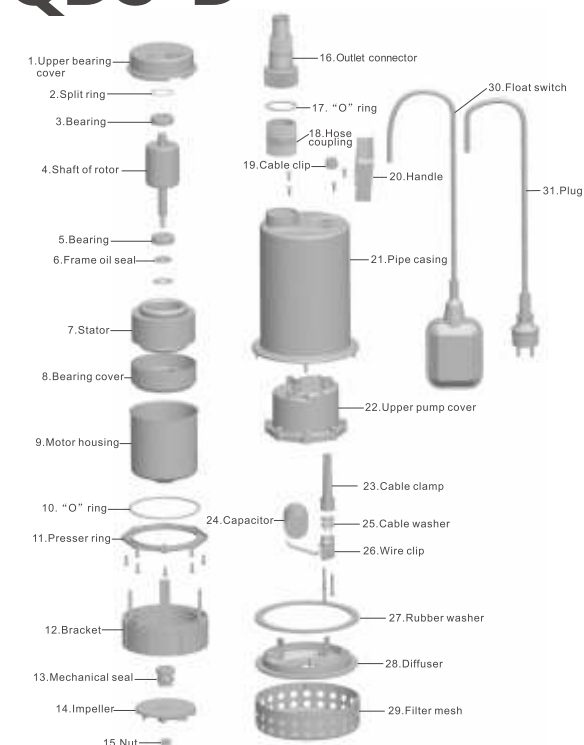
## QDP-SE



# QDS-C



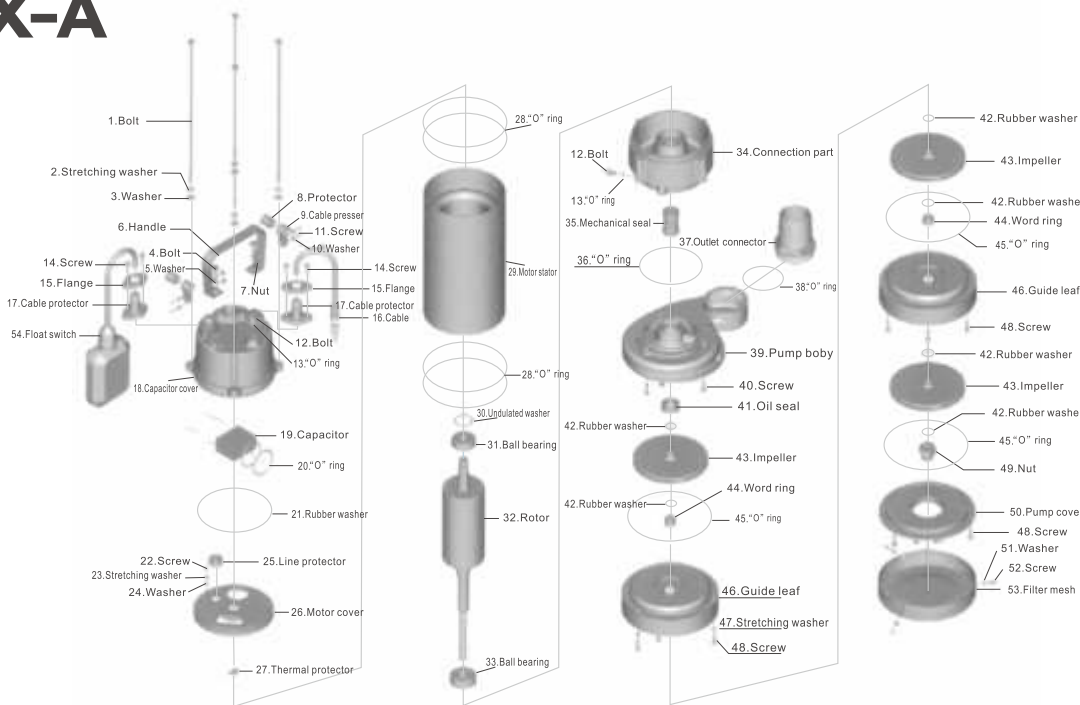
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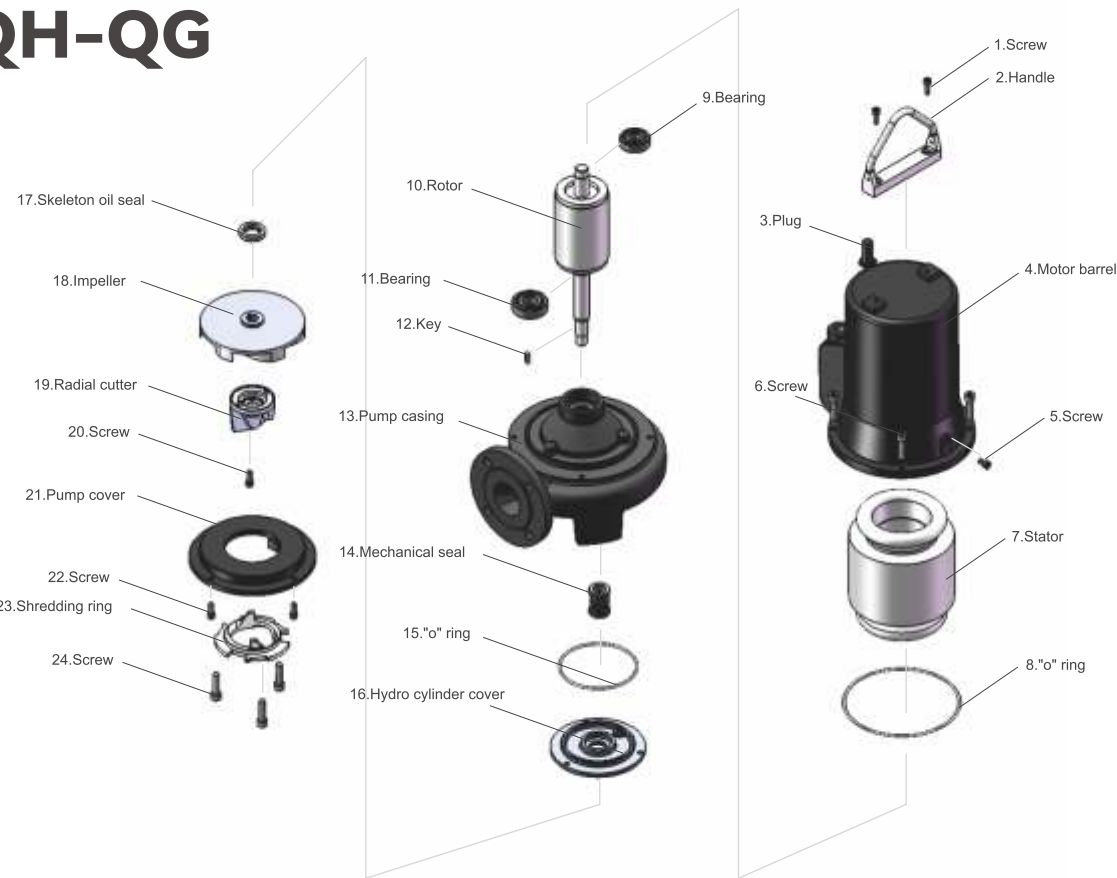


EXPLODE DRAWING

**QDX-A**

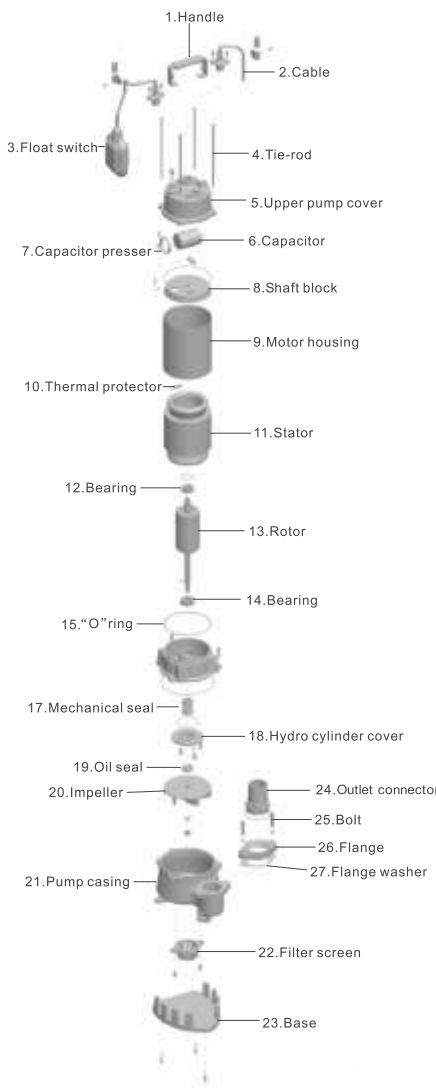


**WQH-QG**

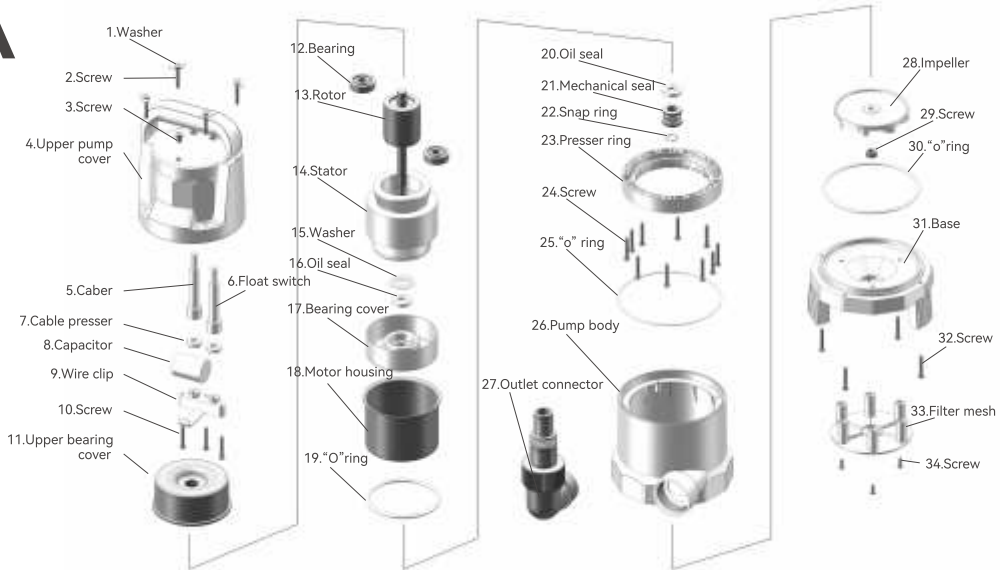


EXPLODE DRAWING

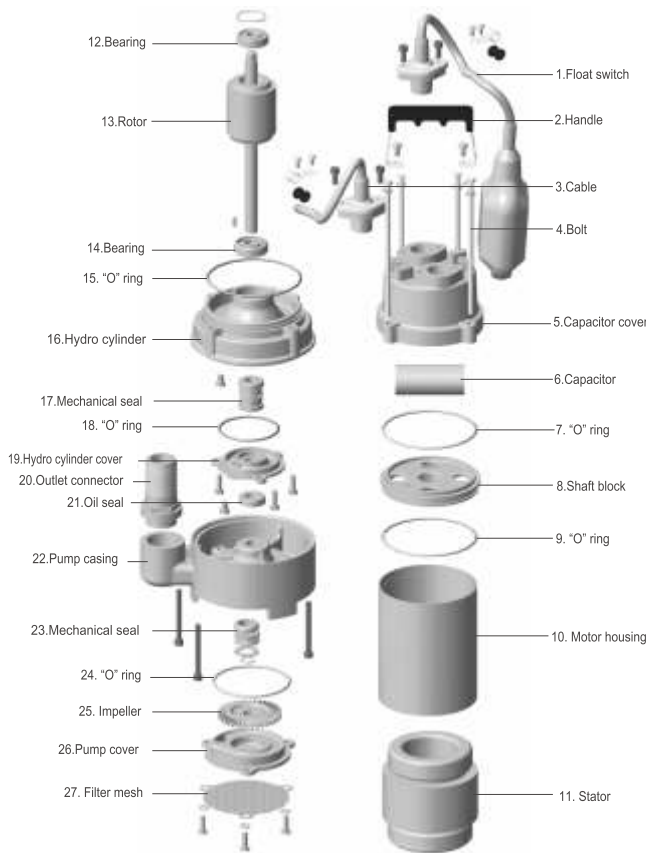
**WQD-D**

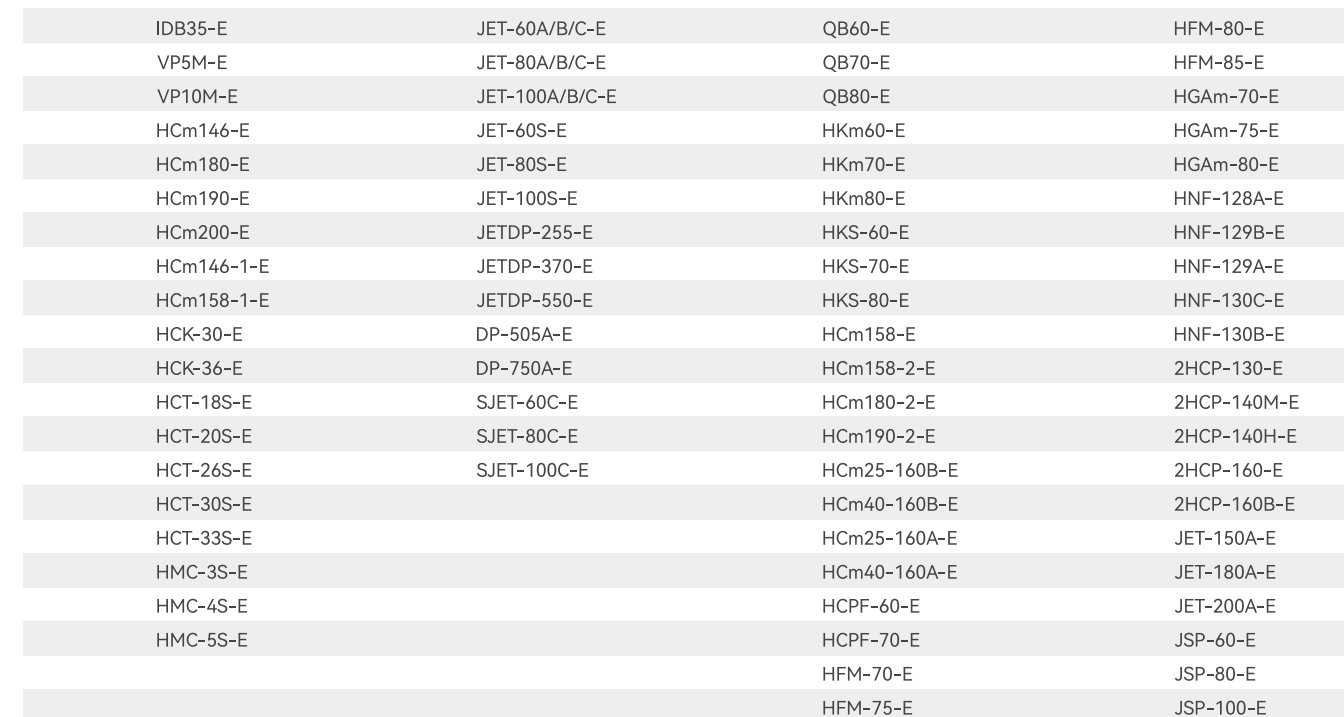
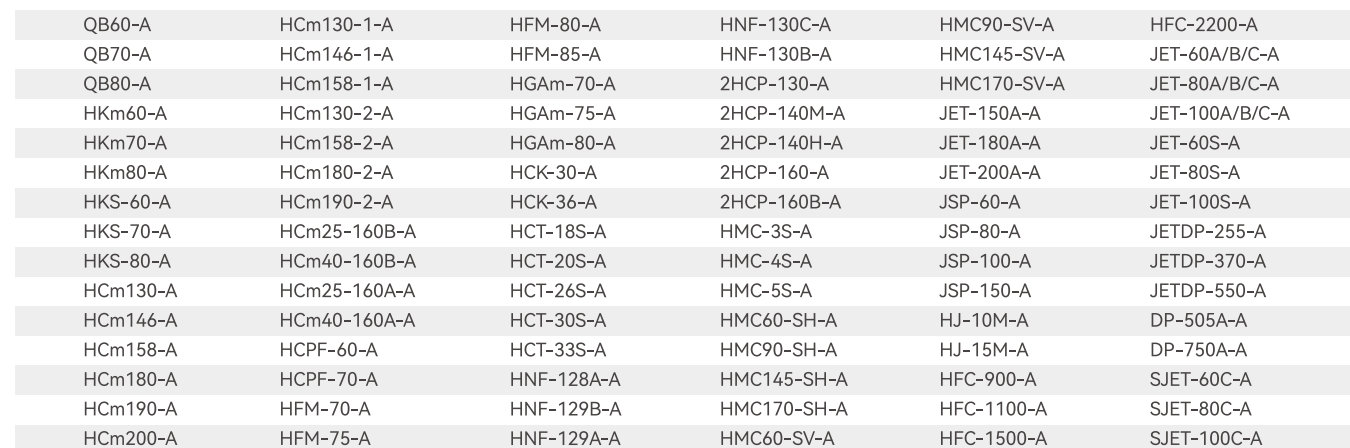
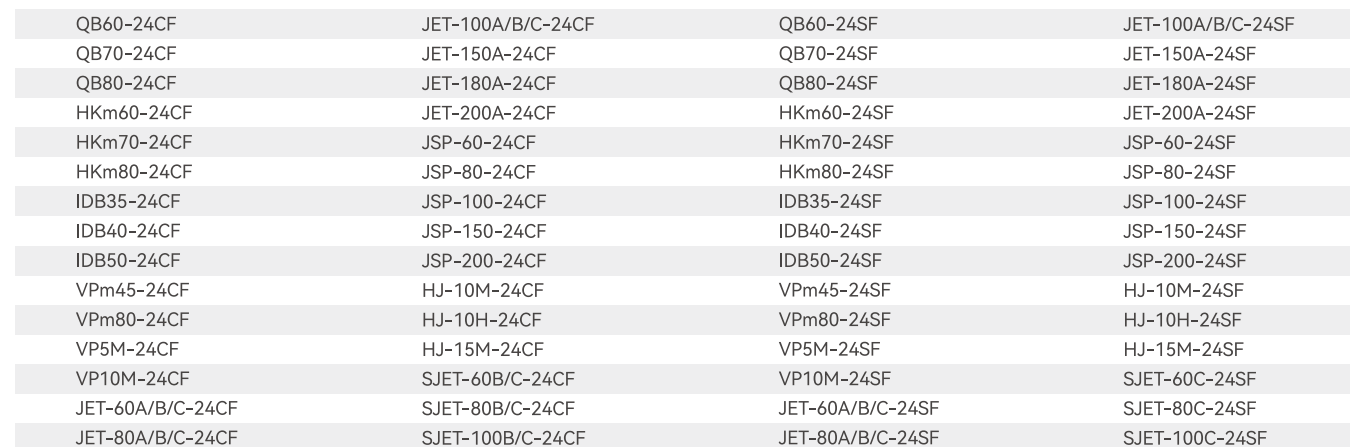


**QDP-A**



**QKM370-A**





# TVT / NVT / WVT



**Specification**

- ※ Replaceable membrane expansion tank carbon steel
- ※ Working temperature:
- ※ Butyl: -10°C/99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/77°C

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



**Specification**

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
- ※ Butyl: -10°C/ 99°C
- ※ Epdm: -10°C/99°C

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



**Specification**

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
- ※ Butyl: -10°C/ 99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/ 77°C

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



**Specification**

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
- ※ Butyl: -10°C/ 99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/ 77°C

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



**Specification**

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
- ※ Butyl: -10°C/ 99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/ 77°C

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



VT2-2

VT2-3

## Specification

- ※ MAX. Work pressure:3.5bar
- ※ Working temperature:
- ※ Epdm: -10°C/ 99°C
- ※ Natural rubber : 0°C/ 77°C
- ※ 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°C/ 99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/ 77°C

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

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



SCF(19L-100L)

# SVT / STVT



SVT(3L-24L)

STVT(36L-500L)

(Pressure Gauge Upon Request)

## Specification

- ※ Replaceable membrane pressure tanks stainless steel
- ※ Working temperature:
- ※ Butyl: -10°C/ 99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/ 77°C

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-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°C	55°C	55°C

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°C	55°C	55°C



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°C	55°C	55°C



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°C	55°C	55°C

OPTIONALS:

- ※ Startng perssure is adjustable during installaton, adjustment range:1.2bar-2.5bar.
- ※ Color: as customer require.
- ※ G1"plastic pipe joint for a quick connection 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°C	55°C	55°C



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°C	55°C	55°C

# 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°C	55°C	55°C



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°C	55°C	55°C



EPC-12/12P

## EPC-12/12P

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°C	60°C

# 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 pressurizatn)

## 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°C	60°C



2.1



2.2



2.3



2.4



2.6



KRS-2

## DESCRIPTIONS:

- ※ Pressure switch used in water systems. .
- ※ The switch starts and stops the water pump automaticly 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°C



# KRS



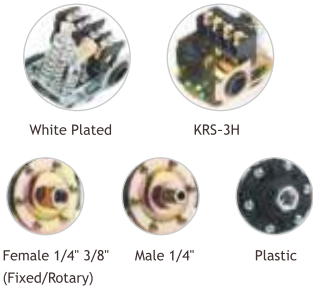
KRS-3

### 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	20-40PSI,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.



### 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	

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



NOTE:

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