



SHALL®

潇潇公司

POWER TOOLS
HAND TOOLS
PNEUMATIC TOOLS
TOOL SETS
AGRICULTURE TOOLS
WATER PUMPS
GENERATORS
POWER TOOL ACCESSORIES
FASTENERS & HARDWARE
TAPS & DIES
LADDERS
AUTOMOTIVE ACCESSORIES
2022-2023



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MANUFACTURING COMPLEX



ABOUT SHALL

SHALL is founded on 1998. SHALL manufacturing complex locates on Economy & Technology Development Area, total 25,000 square meter.

SHALL manufacture Injection Plastic Boxes & Double Blisters. Our products cover full range of tools, such as Power Tools, Power Tools Accessories, Hand Tools, Garden Tools, Pneumatic Tools, Automotive Accessories, also Fasteners & Hardware. We have more than 10,000 items.

As a Reliable Chinese company, The SHALL Group offer customers quality products, competitive prices and on-time deliveries. We sell our products world wide.

SHALL have good reputation in the market. SHALL's Excellent Financial Situation strongly support our Input of Marketing, QA, New Products Developing...

SHALL is good. SHALL can be better. SHALL is Improving & Growing.



厂房
FACTORY BUILDINGS



厂房
FACTORY BUILDINGS



办公楼
OFFICE BUILDING



生产流水线
PRODUCTION LINE

- This product is multi-functional, multi-purpose bottom suction pump.
- Power consumption is low, noise is speed balance, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Bottom water can effectively clean up the dirt and impurities at the bottom of the cylinder cm start the ultra-low water level, and automatically start the function of preventing dry burning under the condition of water shortage, which will not allow the pump to dry for a long time and protect the pump.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.



MODEL: 1801001

POWER: 20W
H-MAX: 2M
F.MAX: 1500L/H
Outlet connection: φ13/16mm
SIZE: 118×109×134mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Sixe: 46×37×42.6cm 36PCS
N.W/G.W : 14/15kg



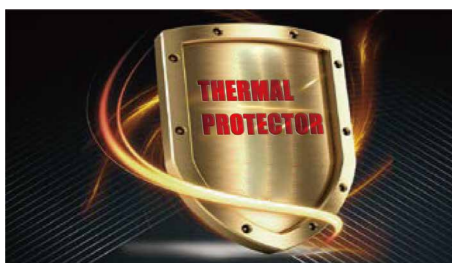
MODEL: 1801002

POWER: 40W
H-MAX: 2.6M
F.MAX: 2500L/H
Outlet connection: φ16/19mm
SIZE: 133×125×152mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Sixe: 52.5×41.5×32.5cm 24PCS
N.W/G.W : 19/20kg



MODEL: 1801003

POWER: 60W
H-MAX: 3.2M
F.MAX: 3500L/H
Outlet connection: φ16/19/25mm
SIZE: 149×137×171mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Sixe: 57×31.2×36.3cm 16PCS
N.W/G.W : 16/17kg



intelligent anti dry burning,
built-in thermal protector



low water level design,
pumping as low as 1cm

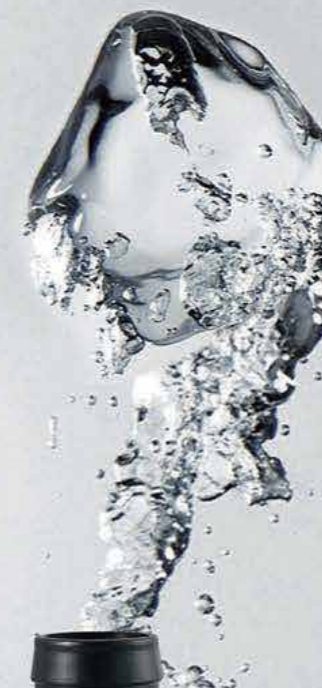


360° around water inlet,
no dead angle of water absorption

- This product is multi-functional, multi-purpose water pump.
- Low power consumption, low noise, balanced speed, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.

MODEL: 1802001

POWER: 150W
H-MAX: 5M
F.MAX: 5000L/H
Outlet connection: φ8/16/19/25mm
SIZE: 125×88×125mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 57×28×32cm 10PCS
G.W : 26kg



- This product is multi-functional, multi-purpose water pump.
- Low power consumption, low noise, balanced speed, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.



MODEL: 1802002

POWER: 25W
H-MAX: 2.3M
FMAX: 1300L/H
Outlet connection: φ6/13/16mm
SIZE: 95×60×75mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Sixe: 49.5×37×33.3cm 48PCS
N.W/G.W : 21.5/22.5kg



MODEL: 1802003

POWER: 80W
H-MAX: 3.5M
FMAX: 3500L/H
Outlet connection: φ8/16/19mm
SIZE: 125×88×125mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 44.5×35×41.5cm 24PCS
N.W/G.W : 20.5/22kg



MODEL: 1802004

POWER: 105W
H-MAX: 4.5M
FMAX: 4500L/H
Outlet connection: φ8/16/19mm
SIZE: 180×95×138mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 45.5×31×31.5cm 12PCS
N.W/G.W : 24/25kg



energy saving design



Rapid water cycle



Silent design

- This product is a special water pump for environmental protection air conditioning and cooling equipment.
- Low power consumption, low noise, balanced speed, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.



MODEL: 1803001

POWER: 18W
H-MAX: 1.8M
FMAX: 1000L/H
Outlet connection: φ13/19mm
SIZE: 105×85×80mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Sixe: 52.5×24×34.5cm 48PCS
N.W/G.W : 19.5/20.5kg



MODEL: 1803002

POWER: 45W
H-MAX: 2.5M
FMAX: 2500L/H
Outlet connection: φ16/19mm
SIZE: 145×120×115mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 49×31×33cm 24PCS
N.W/G.W : 18/19kg



MODEL: 1803003

POWER: 80W
H-MAX: 3M
FMAX: 3000L/H
Outlet connection: φ16/19mm
SIZE: 145×120×118mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 48×29.5×36.5cm 24PCS
N.W/G.W : 23/24kg



Green Air Conditioning



Green Air Conditioning



Green Air Conditioning

- This product is a special water pump for environmental protection air conditioning and cooling equipment.
- Low power consumption, low noise, balanced speed, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.



MODEL: 1803004

POWER: 18W
H-MAX: 1.8M
F.MAX: 1000L/H
Outlet connection: φ13/19mm
SIZE: 85×60×75mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Sixe: 37.5×24×34.5cm 48PCS
N.W/G.W : 19.5/20.5kg

- This product is multi-functional, multi-purpose water pump.
- Low power consumption, low noise, balanced speed, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.



MODEL: 1803007

POWER: 3W
H-MAX: 50CM
F.MAX: 200L/H
Outlet connection: φ8.5mm
SIZE: 37×35×30mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 48×31×37cm 100PCS
N.W/G.W : 11.5/12.5kg



MODEL: 1803005

POWER: 45W
H-MAX: 2.5M
F.MAX: 2500L/H
Outlet connection: φ16/19mm
SIZE: 145×120×115mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 57×32×35cm 30PCS
N.W/G.W : 22.5/23.5kg



MODEL: 1803008

POWER: 3W
H-MAX: 50CM
F.MAX: 200L/H
Outlet connection: φ8.5mm
SIZE: 37×35×30mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 48×31×37cm 100PCS
N.W/G.W : 11.5/12.5kg



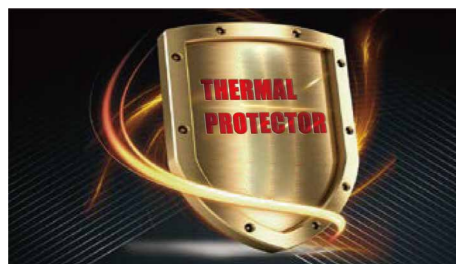
MODEL: 1803006

POWER: 80W
H-MAX: 3M
F.MAX: 3000L/H
Outlet connection: φ16/19mm
SIZE: 145×120×118mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 63×31×46cm 30PCS/箱
N.W/G.W : 29/30kg



MODEL: 1803009

POWER: 4W
H-MAX: 65CM
F.MAX: 300L/H
Outlet connection: φ8.5/13mm
SIZE: 46×45×36mm
AC: 110V-120V 220V-240V 380V 50Hz
Carton Sixe: 48×31×37cm 100PCS
Gross: 13/14kg



intelligent anti dry burning,
built-in thermal protector



Green Air Conditioning



Green Air Conditioning



MODEL: 1803010

POWER: 7W
H-MAX: 100CM
F.MAX: 500L/H
Outlet connection: φ8.5/13mm
SIZE: 53×40×47mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Sixe: 48×31×37cm 100PCS
Gross: 20/23kg

- This product is a special water pump for environmental protection air conditioning and cooling equipment.
- Low power consumption, low noise, balanced speed, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.

- This product is multi-functional, multi-purpose water pump.
- Low power consumption, low noise, balanced speed, reliable operation, long service life, easy to disassemble and clean, easy to maintain.
- Suitable for aquarium, garden fountain, water crafts, water cooling air conditioning fan, mechanical equipment cooling and other fields.



MODEL: 1803011

POWER: 18W
H-MAX: 1.8M
FMAX: 1000L/H
Outlet connection: φ13/16/19mm
SIZE: 77×51×69mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Size: 37×27×30.5cm 60PCS
N.W/G.W : 23.5/24.5 kg



MODEL: 1803014

POWER: 60W
H-MAX: 3M
FMAX: 3000L/H
Outlet connection: φ16/19mm
SIZE: 130×75×85mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Size: 33×30.5×31.2cm 24PCS
N.W/G.W : 24/25kg



MODEL: 1803012

POWER: 25W
H-MAX: 2.3M
FMAX: 1300L/H
Outlet connection: φ13/16/19mm
SIZE: 95×60×75mm
AC: 110V-120V 220V-240V 50/60Hz
Carton Size: 49.5×37×33.3cm 48PCS
Gross: 21.5/22.5kg



MODEL: 1803015

POWER: 80W
H-MAX: 3.5M
FMAX: 3500L/H
Outlet connection: φ8/16/19mm
SIZE: 125×88×125mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Size: 44.5×35×41.5cm 24PCS
N.W/G.W : 20.5/22kg



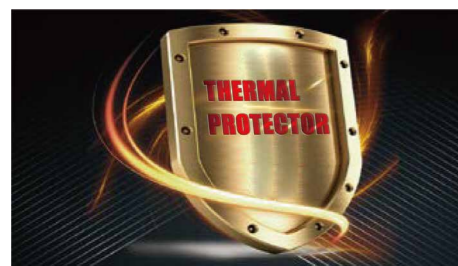
MODEL: 1803013

POWER: 35W
H-MAX: 2.5M
FMAX: 2000L/H
Outlet connection: φ13/16/19mm
SIZE: 90×65×70mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Size: 52.5×36×31.3cm 48PCS
Gross: 18/19kg



MODEL: 1803016

POWER: 105W
H-MAX: 4.5M
FMAX: 4500L/H
Outlet connection: φ8/16/19/25mm
SIZE: 180×95×138mm
AC: 110V-120V 220V-240V 380V 50/60Hz
Carton Size: 45.5×31×31.5cm 12PCS
N.W/G.W : 24/25kg



intelligent anti dry burning,
built-in thermal protector



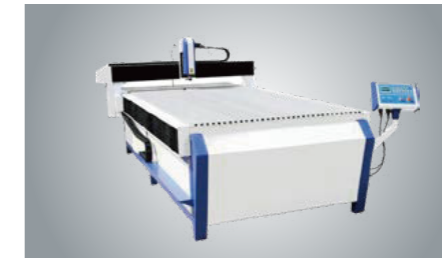
Green Air Conditioning



Green Air Conditioning



Green Air Conditioning



Special engraving machine



Special purpose for water drillers

NO.1804001

Garden Submersible Pump



Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

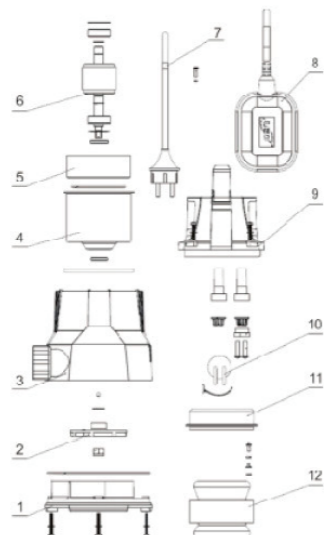
Pump

- Engineering plastic pump body
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature : + 35°C
- Max. immersion depth : 7 m
- Max. diameter of particle : 5 mm

Motor

- Motor with aluminum winding
- Built-in thermal protector
- Insulation class : F
- Protection class : IPX8

MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. DEPTH OF IMMERSION (m)
	(kW)	(HP)				
1804001-1	0.25	0.33	1 1/4"	6	6	7
1804001-2	0.40	0.55	1 1/4"	9	6	7



No.	Part
1	Base
2	Impeller
3	Pump casing
4	Stator cover
5	Bearing base
6	Rotor
7	Plug cord
8	Float switch
9	Head cover
10	Capacitor
11	Bearing cover
12	Winding

NO.1804002

Garden Submersible Pump



Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

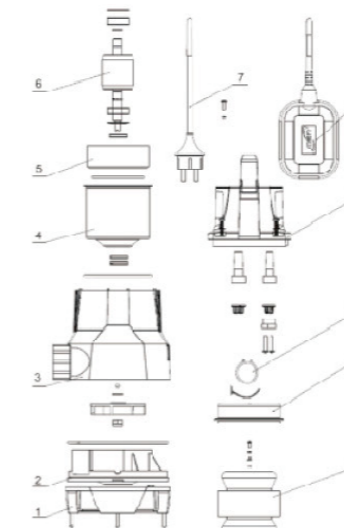
Pump

- Engineering plastic pump body
- Max. liquid temperature : + 35°C
- Float switch ensures automatic cut-in and cut-out
- Max. immersion depth : 7 m
- Max. diameter of particle : 35 mm

Motor

- Motor with aluminum winding
- Built-in thermal protector
- Insulation class : F
- Protection class : IPX8

MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. DEPTH OF IMMERSION (m)
	(kW)	(HP)				
1804002-1	0.25	0.33	1 1/4"	6	5	7
1804002-2	0.40	0.55	1 1/4"	9	5	7
1804002-3	0.55	0.75	1 1/2"	12	7	7
1804002-4	0.75	1.0	1 1/2"	14	8	7



No.	Part
1	Baseboard
2	Base
3	Pump casing
4	Stator cover
5	Bearing base
6	Rotor
7	Plug cord
8	Float switch
9	Head cover
10	Capacitor
11	Bearing cover
12	Winding

NO.1804003

Garden Submersible Pump



Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

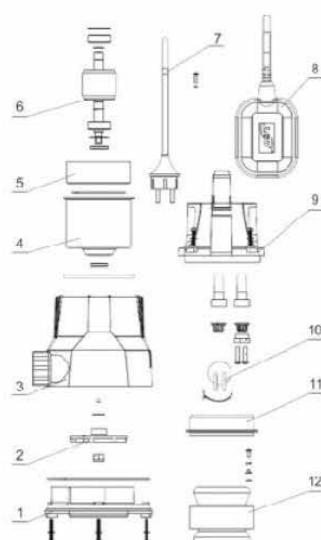
Pump

- Engineering plastic pump body
- Max. liquid temperature : + 35°C
- Float switch ensures automatic cut-in and cut-out
- Max. immersion depth : 7 m
- Max. diameter of particle : 35 mm

Motor

- Motor with aluminum winding
- Built-in thermal protector
- Insulation class : F
- Protection class : IPX8

MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. DEPTH OF IMMERSION (m)
	(kW)	(HP)				
1804003-1	0.25	0.33	1 1/4"	6	5	7
1804003-2	0.40	0.55	1 1/4"	9	5	7
1804003-3	0.55	0.75	1 1/2"	12	7	7
1804003-4	0.75	1.0	1 1/2"	14	8	7



No.	Part
1	Base
2	Impeller
3	Pump casing
4	Stator cover
5	Bearing base
6	Rotor
7	Plug cord
8	Float switch
9	Head cover
10	Capacitor
11	Bearing cover
12	Winding

NO.1804004

Garden Submersible Pump



Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

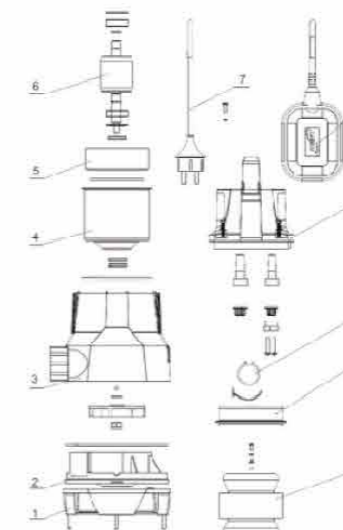
Pump

- Engineering plastic pump body
- Max. liquid temperature : + 35°C
- Float switch ensures automatic cut-in and cut-out
- Max. immersion depth : 7 m
- Max. diameter of particle : 35 mm

Motor

- Motor with aluminum winding
- Built-in thermal protector
- Insulation class : F
- Protection class : IPX8

MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. DEPTH OF IMMERSION (m)
	(kW)	(HP)				
1804004-1	0.25	0.33	1 1/4"	6	5	7
1804004-2	0.40	0.55	1 1/4"	9	5	7
1804004-3	0.55	0.75	1 1/2"	12	7	7
1804004-4	0.75	1.0	1 1/2"	14	8	7



No.	Part
1	Baseboard
2	Base
3	Pump casing
4	Stator cover
5	Bearing base
6	Rotor
7	Plug cord
8	Float switch
9	Head cover
10	Capacitor
11	Bearing cover
12	Winding

NO.18004005

Garden Submersible Pump



Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

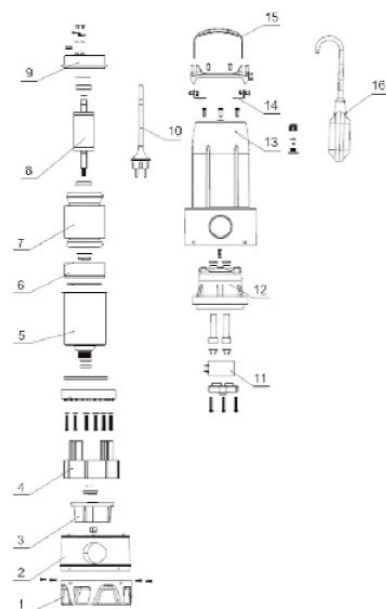
Pump

- Stainless steel pump body
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature : + 35°C
- Max. immersion depth : 7 m
- Max. diameter of particle : 35 mm

Motor

- Motor with aluminum winding
- Built-in thermal protector
- Insulation class : F
- Protection class : IPX8

MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. DEPTH OF IMMERSION (m)
	(kW)	(HP)				
1804005-1	0.55	0.75	1 1/2"	12	6	7
1804005-2	0.75	1.0	1 1/2"	14	7	7
1804005-3	1.0	1.5	1 1/2"	19.5	10.5	7



No.	Part	Material
1	Base	S30408
2	Pump casing	PP-GF30
3	Impeller	PA6-GF25
4	Stents	ABS
5	Stator cover	Q235
6	Bearing base	DMC
7	Motor stator	DD750
8	Rotor	
9	Upper cover	ZL102
10	Plug cord	
11	Capacitor	
12	Roof	PP-GF30
13	Barrel	S30408
14	Handle brace	S30408
15	Handle	S30408+PE
16	Float switch	

NO.1804006

Garden Submersible Pump



Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

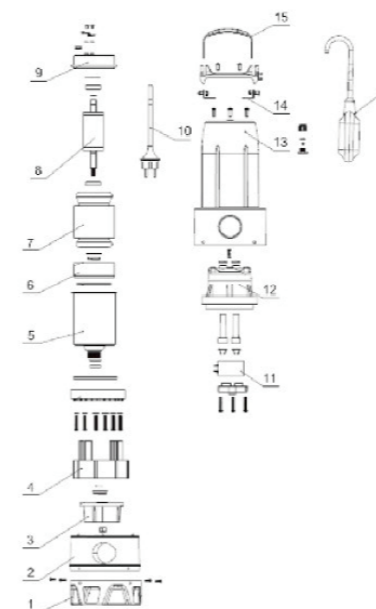
Pump

- Stainless steel pump body
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature : + 35°C
- Max. immersion depth : 7 m
- Max. diameter of particle : 35 mm

Motor

- Motor with aluminum winding
- Built-in thermal protector
- Insulation class : F
- Protection class : IPX8

MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. DEPTH OF IMMERSION (m)
	(kW)	(HP)				
1804006-1	0.55	0.75	1 1/2"	12	6	7
1804006-2	0.75	1.0	1 1/2"	14	7	7
1804006-3	1.0	1.5	1 1/2"	19.5	10.5	7



No.	Part	Material
1	Base	S30408
2	Pump casing	PP-GF30
3	Impeller	PA6-GF25
4	Stents	ABS
5	Stator cover	Q235
6	Bearing base	DMC
7	Motor stator	DD750
8	Rotor	
9	Upper cover	ZL102
10	Plug cord	
11	Capacitor	
12	Roof	PP-GF30
13	Barrel	S30408
14	Handle brace	S30408
15	Handle	S30408+PE
16	Float switch	

NO.1804007

Stainless Steel Garden Submersible Pumps



Application

- Can be used to transfer clean or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from the well or the pool, and draining water from the basement

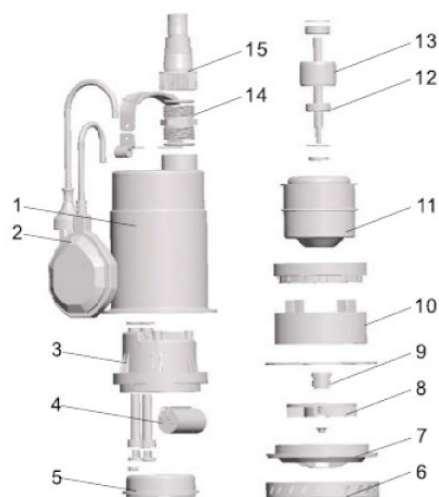
Pump

- Stainless steel pump body
- Float switch ensures automatic cut-in and cut-out
- Max. liquid temperature: +35°C
- Max. immersion depth: 7 m
- Max. diameter of particle: 5 mm

Motor

- Motor with aluminum winding (Copper winding is optional)
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

MODEL	POWER		OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(kW)	(HP)				
1804007-1	250	0.3	32	67	6	7
1804007-2	400	0.5	32	133	7	7
1804007-3	500	0.7	32	133	8	7
1804007-4	750	1.0	32	167	9	7
1804007-5	1000	1.3	32	200	12	7



Part	
1	Pump cover
2	Float switch
3	Upper cover
4	Capacitor
5	Upper plate
6	Pump base
7	Diffuser
8	Impeller
9	Mechanical seal
10	Pump support
11	Stator
12	Ball bearing
13	Rotor
14	Connector
15	Connector

NO.1804008

Stainless Steel Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

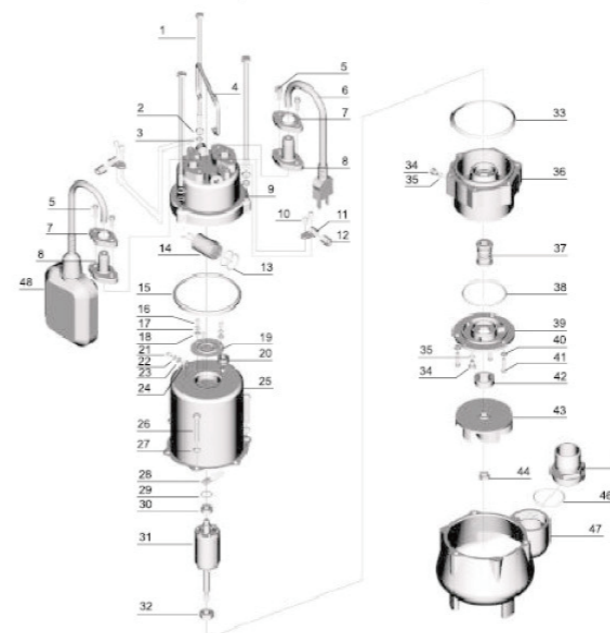
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
- Max. liquid density: $1.2 \times 10^3 \text{kg}/\text{m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
1804008-1	0.18	0.25	40,32,25	220/50	133	7	15
1804008-2	0.25	0.33	40,32,25	220/50	150	7.5	15



Part		Part	
1	Bolt	25	Stator
2	Stretching washer	26	Screw
3	Washer	27	Stretching washer
4	Handle	28	Thermal protector
5	Screw	29	Wave washer
6	Cable	30	Ball bearing
7	Flange	31	Rotor
8	Cable protector	32	Ball bearing
9	Capacitor cover	33	Rubber washer
10	Screw	34	Screw
11	Cable presser	35	O-ring
12	Protector	36	Connection part
13	O-ring	37	Mechanical seal
14	Capacitor	38	O-ring
15	Rubber washer	39	Oil chamber cover
16	Screw	40	Washer
17	Stretching washer	41	Screw
18	Washer	42	Oil seal
19	Press plate	43	Impeller
20	Cable holder	44	Nut
21	Screw	45	Connector
22	Stretching washer	46	O-ring
23	Washer	47	Pump body
24	Nut	48	Float switch

NO.1804009

Stainless Steel Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

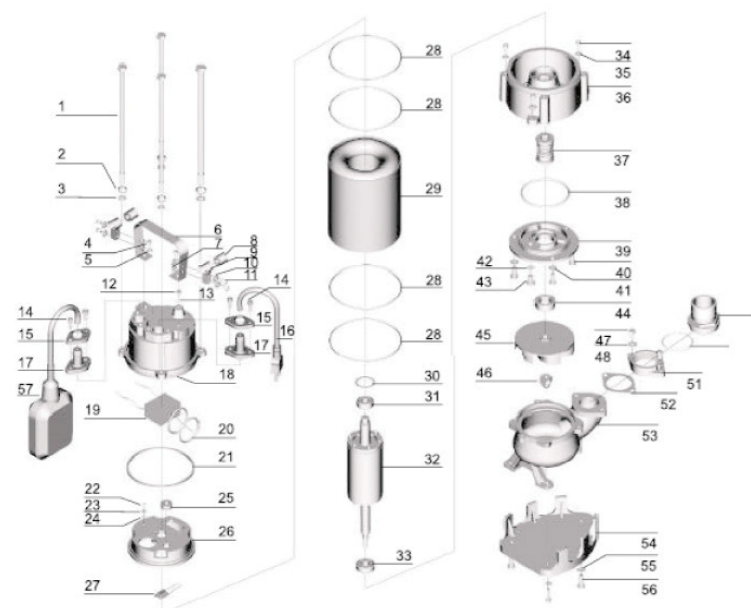
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
- Max. liquid density: $1.2 \times 10^3 \text{ kg/m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
1804009-1	0.45	0.6	50	220/50	200	8.5	25
1804009-2	0.75	1.0	50	220/50	200	12	25



Part	Part
1 Bolt	30 Wave washer
2 Stretching washer	31 Ball bearing
3 Washer	32 Rotor
4 Bolt	33 Ball bearing
5 Washer	34 Screw
6 Handle	35 Washer
7 Nut	36 Connection part
8 Protector	37 Mechanical seal
9 Cable presser	38 O-ring
10 Washer	39 Oil chamber cover
11 Screw	40 Screw
12 Bolt	41 Washer
13 O-ring	42 O-ring
14 Screw	43 Screw
15 Flange	44 Oil seal
16 Cable	45 Impeller
17 Cable protector	46 Nut
18 Capacitor cover	47 Bolt
19 Capacitor	48 Washer
20 O-ring	49 Connector
21 Rubber washer	50 O-ring
22 Screw	51 Connector nut
23 Stretching washer	52 Rubber washer
24 Washer	53 Pump body
25 Cable holder	54 Base plate
26 Motor cover	55 Washer
27 Thermal protector	56 Screw
28 O-ring	57 Float switch
29 Stator	

NO.1804010

Stainless Steel Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

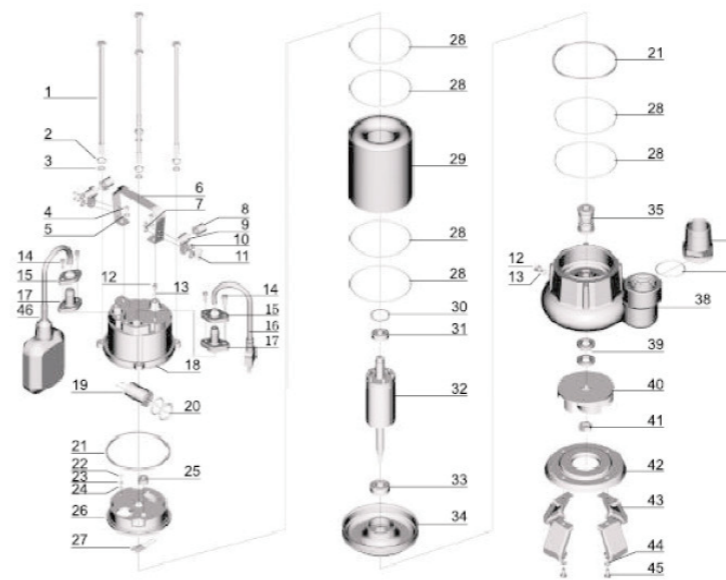
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
- Max. liquid density: $1.2 \times 10^3 \text{ kg/m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
1804010	1.1	1.5	50	220/50	333	9	35



Part	Part
1 Bolt	24 Washer
2 Stretching washer	25 Cable holder
3 Washer	26 Upper protector
4 Bolt	27 Thermal protector
5 Washer	28 O-ring
6 Handle	29 Stator
7 Nut	30 Wave washer
8 Protector	31 Ball bearing
9 Cable presser	32 Rotor
10 Washer	33 Ball bearing
11 Screw	34 Lower cover
12 Bolt	35 Mechanical seal
13 O-ring	36 Connector
14 Screw	37 O-ring
15 Flange	38 Pump body
16 Cable	39 Oil seal
17 Cable protector	40 Impeller
18 Capacitor cover	41 Nut
19 Capacitor	42 Pump cover
20 O-ring	43 Base plate
21 Rubber washer	44 Washer
22 Screw	45 Bolt
23 Stretching washer	46 Float switch

NO.1804011

Stainless Steel Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

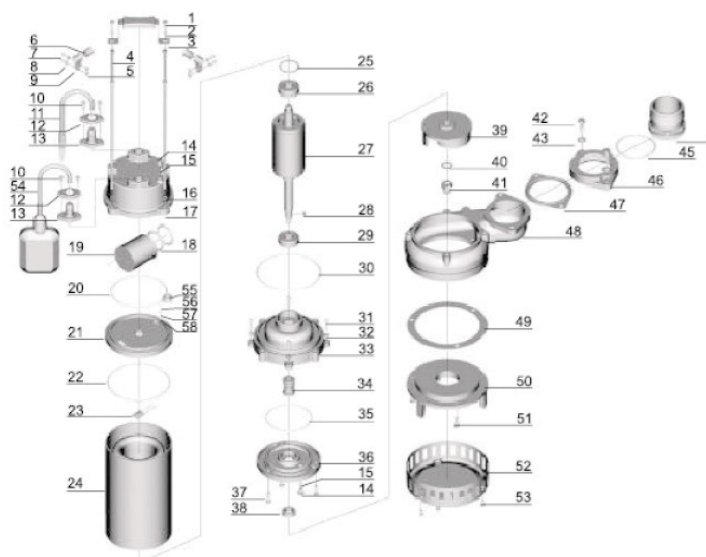
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
- Max. liquid density: $1.2 \times 10^3 \text{ kg/m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
1804011-1	1.5	2.0	40	220/50	270	22	10
1804011-2	2.2	3.0	75	220/50	700	17	20



Part	Part
1 Bolt	30 O-ring
2 Washer	31 Screw
3 Handle	32 Stretching washer
4 Bolt	33 Connection part
5 Nut	34 Mechanical seal
6 Protector	35 O-ring
7 Screw	36 Oil chamber cover
8 Washer	37 Bolt
9 Cable presser	38 Oil seal
10 Screw	39 Impeller
11 Cable	40 Washer
12 Flange	41 Nut
13 Cable protector	42 Bolt
14 Bolt	43 Washer
15 O-ring	44 Connector
16 Stretching washer	45 O-ring
17 Capacitor cover	46 Connector nut
18 O-ring	47 Rubber washer
19 Capacitor	48 Pump body
20 O-ring	49 Rubber washer
21 Motor cover	50 Pump body
22 O-ring	51 Bolt
23 Thermal protector	52 Filter mesh
24 Stator	53 Screw
25 Wave washer	54 Float switch
26 Ball bearing	55 Cable holder
27 Rotor	56 Screw
28 Key	57 Stretching washer
29 Ball bearing	58 Washer

NO.1804012

Stainless Steel Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

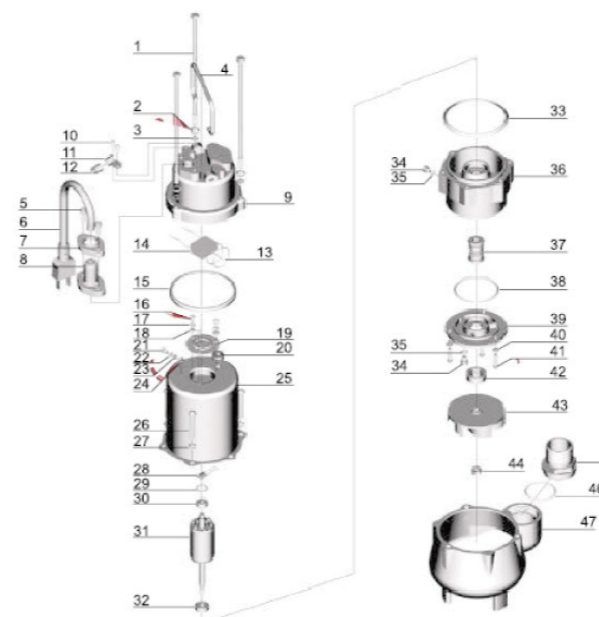
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
- Max. liquid density: $1.2 \times 10^3 \text{ kg/m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
1804012	0.25	0.33	40,32,25	220/50	150	7.5	15



Part	Part
1 Bolt	25 Stator
2 Stretching washer	26 Screw
3 Washer	27 Stretching washer
4 Handle	28 Thermal protector
5 Screw	29 Wave washer
6 Cable	30 Ball bearing
7 Flange	31 Rotor
8 Cable protector	32 Ball bearing
9 Capacitor cover	33 Rubber washer
10 Screw	34 Screw
11 Cable presser	35 O-ring
12 Protector	36 Connection part
13 O-ring	37 Mechanical seal
14 Capacitor	38 O-ring
15 Rubber washer	39 Oil chamber cover
16 Screw	40 Washer
17 Stretching washer	41 Screw
18 Washer	42 Oil seal
19 Press plate	43 Impeller
20 Cable holder	44 Nut
21 Screw	45 Connector
22 Stretching washer	46 O-ring
23 Washer	47 Pump body
24 Nut	

NO.1804013

Stainless Steel Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

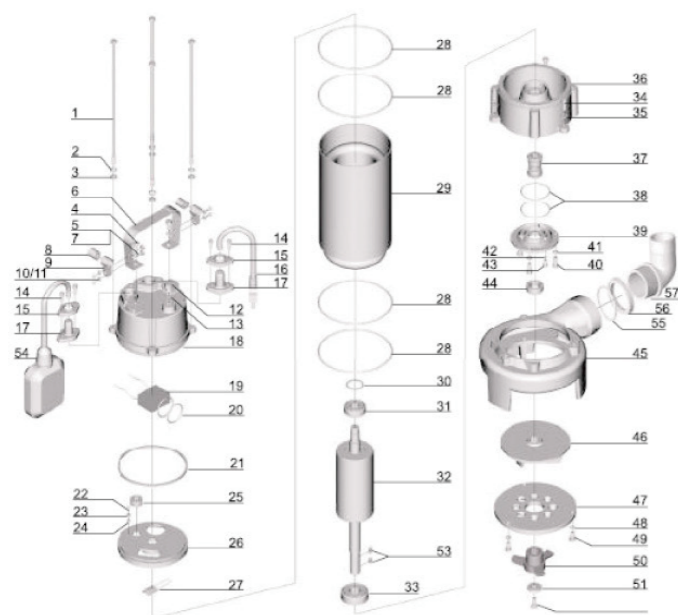
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
- Max. liquid density: $1.2 \times 10^3 \text{kg/m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
1804013-1	1.3	1.75	50	220/50	300	12	22.8
1804013-2	1.8	2.4	75	220/50	400	10	30



Part	Part
1 Bolt	30 Undulated washer
2 Stretching washer	31 Ball bearing
3 Washer	32 Rotor
4 Bolt	33 Ball bearing
5 Washer	34 Screw
6 Handle	35 Washer
7 Nut	36 Connection part
8 Protector	37 Mechanical seal
9 Cable presser	38 O-ring
10 Washer	39 Oil chamber cover
11 Screw	40 Screw
12 Bolt	41 Washer
13 O-ring	42 O-ring
14 Screw	43 Screw
15 Flange	44 Oil seal
16 Cable	45 Pump body
17 Cable protector	46 Impeller
18 Capacitor cover	47 Shredding ring
19 Capacitor	48 Washer
20 O-ring	49 Bolt
21 Rubber washer	50 Radial cutter
22 Screw	51 Washer
23 Stretching washer	52 Screw
24 Washer	53 Key
25 Line protector	54 Float switch
26 Motor cover	55 O-ring
27 Thermal protector	56 Connection nut
28 O-ring	57 Out-let connector
29 Motor stator	

NO.1804014

Stainless Steel Submersible Pumps



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage, garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

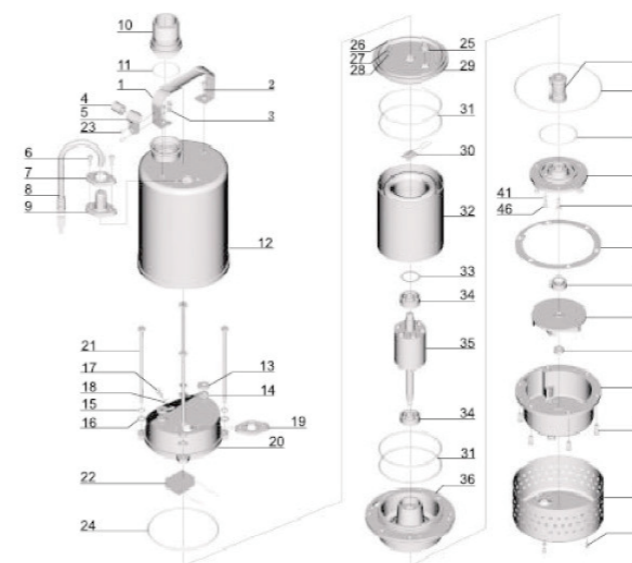
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Stainless steel pump body
- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Max. liquid density: $1.03 \times 10^3 \text{kg/m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
	(kW)	(HP)				
1804014-1	0.25	0.33	40,32,25	220/50	120	8.5
1804014-2	0.38	0.5	50	220/50	216	9
1804014-3	0.75	1.0	50	220/50	380	12



Part	Part
1 Handle	27 Stretching washer
2 Screw	28 Washer
3 Nut	29 Motor cover
4 Protector	30 Thermal protector
5 Cable presser	31 O-ring
6 Screw	32 Stator
7 Flange	33 Wave washer
8 Cable	34 Ball bearing
9 Cable protector	35 Rotor
10 Connector	36 Connection part
11 O-ring	37 O-ring
12 Motor shell	38 O-ring
13 Rubber washer	39 Oil chamber cover
14 Washer	40 Mechanical seal
15 Stretching washer	41 O-ring
16 Washer	42 Pump body
17 Screw	43 Screw
18 O-ring	44 Oil seal
19 Rubber washer	45 Impeller
20 Capacitor cover	46 Screw
21 Bolt	47 Nut
22 Capacitor	48 Rubber washer
23 Screw	49 Screw
24 O-ring	50 Screw
25 Cable holder	51 Filter mesh
26 Screw	

NO.1804015

Stainless Steel Submersible Pumps



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage, garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 6.5-8

NO.1804016

Stainless Steel Submersible Pumps



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage, garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

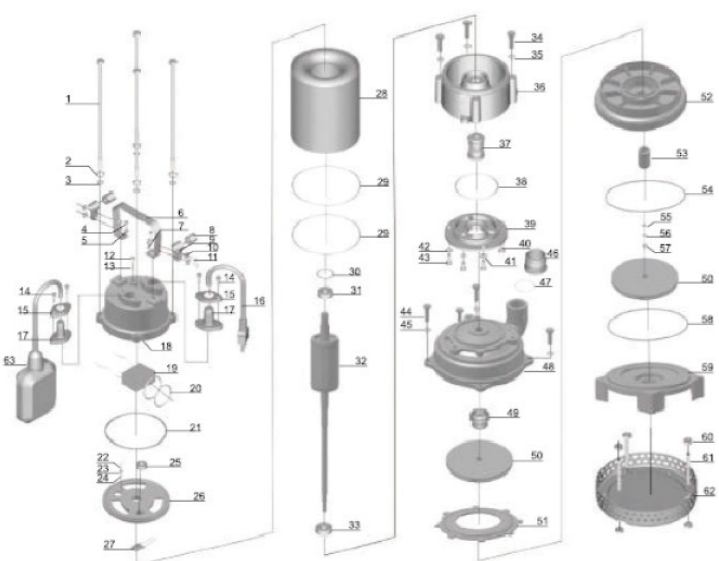
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

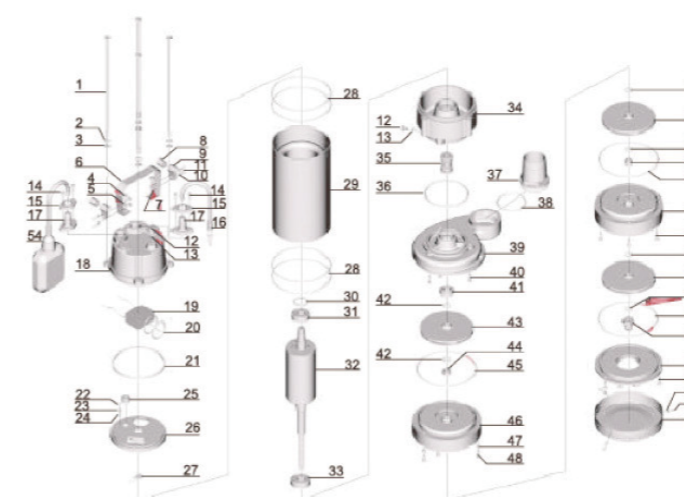
- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 6.5-8

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
	(kW)	(HP)				
1804015	0.55	0.75	25	220/50	75	75



Part		Part	
1	Bolt	33	Ball bearing
2	Stretching washer	34	Bolt
3	Washer	35	Washer
4	Bolt	36	Connection part
5	Washer	37	Mechanical seal
6	Handle	38	O-ring
7	Nut	39	Oil chamber cover
8	Protector	40	Screw
9	Cable presser	41	Washer
10	Washer	42	O-ring
11	Screw	43	Screw
12	Bolt	44	Bolt
13	O-ring	45	Washer
14	Bolt	46	Connector
15	Flange	47	O-ring
16	Cable	48	Pump body
17	Cable protector	49	Mechanical seal
18	Capacitor cover	50	Impeller
19	Capacitor	51	Guideleaf cover
20	O-ring	52	Guideleaf
21	O-ring	53	Sleeve
22	Screw	54	O-ring
23	Stretching washer	55	Washer
24	Washer	56	Stretching washer
25	Cable holder	57	Nut
26	Motor cover	58	O-ring
27	Thermal protector	59	Pump cover
28	Stator	60	Nut
29	O-ring	61	Bilateral bolt
30	Wave washer	62	Filter mesh
31	Ball bearing	63	Float switch
32	Rotor		

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
	(kW)	(HP)				
1804016-1	1.1	1.5	50	220/50	250	30
1804016-2	1.5	2.0	50	220/50	240	42



Part		Part	
1	Bolt	29	Stator
2	Stretching washer	30	Wave washer
3	Washer	31	Ball bearing
4	Bolt	32	Rotor
5	Washer	33	Ball bearing
6	Handle	34	Connection part
7	Nut	35	Mechanical seal
8	Protector	36	O-ring
9	Cable presser	37	Connector
10	Washer	38	O-ring
11	Screw	39	Pump body
12	Bolt	40	Screw
13	O-ring	41	Oil seal
14	Screw	42	Rubber washer
15	Flange	43	Impeller
16	Cable	44	Ring
17	Cable protector	45	O-ring
18	Capacitor cover	46	Diffuser
19	Capacitor	47	Stretching washer
20	O-ring	48	Screw
21	Rubber washer	49	Nut
22	Screw	50	Pump cover
23	Stretching washer	51	Washer
24	Washer	52	Screw
25	Cable holder	53	Filter mesh
26	Motor cover	54	Float switch
27	Thermal protector	55	Key
28	O-ring		

NO.1804017

Stainless Steel Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

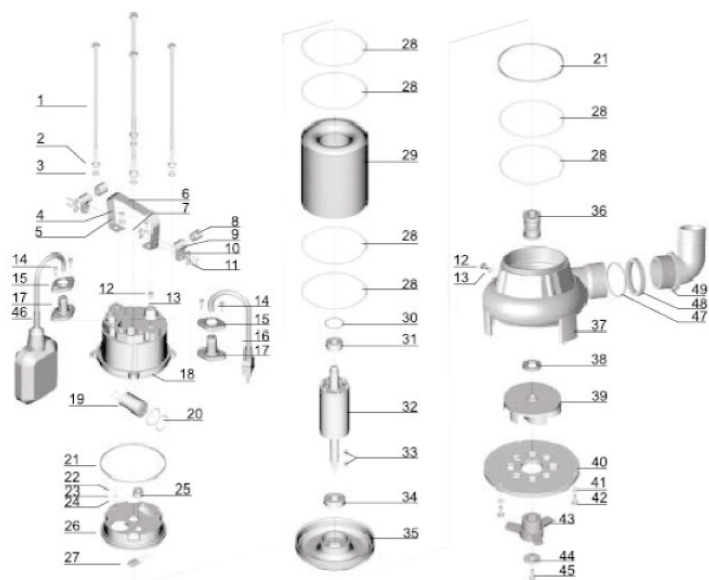
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 4-10
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
- Max. liquid density: $1.2 \times 10^3 \text{ kg/m}^3$

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
1804017	1.1	1.5	50	220/50	233	7	22.5



Part	Part
1 Bolt	26 Upper cover
2 Stretching washer	27 Thermal protector
3 Washer	28 O-ring
4 Bolt	29 Stator
5 Washer	30 Wave washer
6 Handle	31 Ball bearing
7 Nut	32 Rotor
8 Protector	33 Key
9 Cable presser	34 Ball bearing
10 Washer	35 Lower cover
11 Screw	36 Mechanical seal
12 Bolt	37 Pump body
13 O-ring	38 Oil seal
14 Screw	39 Impeller
15 Flange	40 Shredding ring
16 Cable	41 Washer
17 Cable protector	42 Screw
18 Capacitor cover	43 Radial cutter
19 Capacitor	44 Washer
20 O-ring	45 Screw
21 Rubber washer	46 Float switch
22 Screw	47 O-ring
23 Stretching washer	48 Connection nut
24 Washer	49 Connector
25 Cable holder	

NO.1804018

Stainless Steel Submersible Pumps



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and ndrainage.garden irrigation and household water supply, as well as drainage of industrial accumulat- ed water, water supply and drainage for construction, livestock breeding, etc.

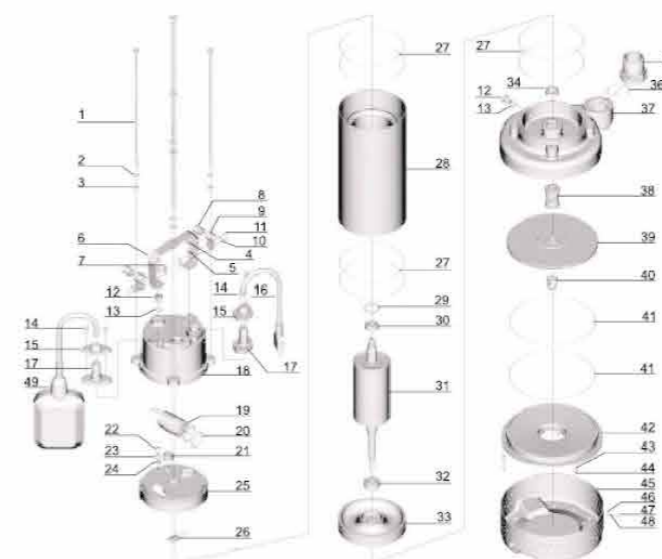
Pump

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: B
- Protection class: IP68

Motor

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 6.5-8

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
	(kW)	(HP)				
1804018-1	0.75	1.0	75	220/50	650	8
1804018-2	1.1	1.5	40,32,25	220/50	250	20
1804018-3	1.5	2.0	40,32,25	220/50	216	34



Part	Part
1 Bolt	26 Thermal protector
2 Stretching washer	27 O-ring
3 Washer	28 Stator
4 Bolt	29 Wave washer
5 Washer	30 Ball bearing
6 Handle	31 Rotor
7 Nut	32 Ball bearing
8 Protector	33 Lower cover
9 Cable presser	34 Oil seal
10 Washer	35 Connector
11 Screw	36 O-ring
12 Bolt	37 Pump body
13 O-ring	38 Mechanical seal
14 Screw	39 Impeller
15 Flange	40 Nut
16 Cable	41 O-ring
17 Cable protector	42 Pump body
18 Capacitor cover	43 Washer
19 Capacitor	44 Screw
20 O-ring	45 Filter mesh
21 Cable holder	46 Washer
22 Screw	47 Screw
23 Stretching washer	48 Stretching washer
24 Washer	49 Float switch
25 Upper cover	

NO.1804019

Submersible Pumps



Application

- Rural wells water pumping
- Farming irrigation and drainage
- Garden watering and family households
- Construction, aquaculture, fish ponds, ect

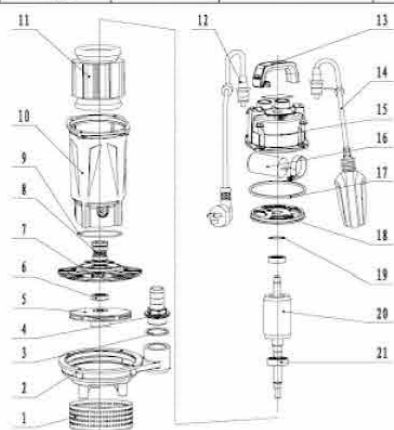
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid PH level from 6.5-8
- Maximum sand content is 0.1%. passage of suspended solids up to 0.2mm.
- Insulation class: F
- Ingress protection: IP68

Motor

- Cast iron pump body, aluminum motor casing
- Copper winding
- Built-in thermal protector
- Stainless steel shaft
- Double-end Mechanical seal
- Stainless steel filter

MODEL	POWER		MAX.FLOW (m³/h)	MAX.HEAD (m)	MAX IMMERSION (m)
	(kW)	(HP)			
1804019-1	0.55	0.75	25	8.5	5
1804019-2	0.75	1.0	29	12	5
1804019-3	0.75	1.0	29	10.5	5
1804019-4	1.1	1.5	30	15.5	5
1804019-5	1.1	1.5	46	10	5
1804019-6	1.5	2.0	65	12	5
1804019-7	1.5	2.0	65	12	5
1804019-8	2.2	3	70	15	5
1804019-9	2.2	3	70	15	5



Part	
1	Filter
2	Pump body
3	O-Ring
4	Outlet connector
5	Impeller
6	Oil seal
7	Cover of cylinder
8	Mechanical seal
9	O-Ring
10	Motor casing
11	Stator
12	Cable assembly
13	Handle
14	Float switch
15	Top cover
16	Capacitor
17	O-Ring
18	End cover
19	Wave spring pad
20	Rotor
21	Bearing

NO.1804020

Submersible Pumps



Application

- Rural wells water pumping
- Farming irrigation and drainage
- Garden watering and family households
- Construction, aquaculture, fish ponds, ect

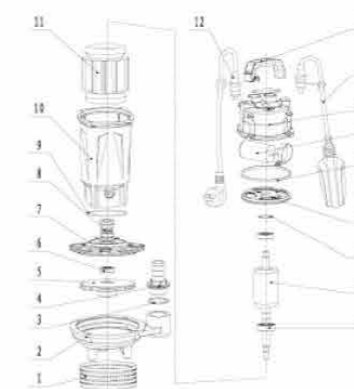
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid PH level from 6.5-8
- Maximum sand content is 0.1%. passage of suspended solids up to 0.2mm.
- Insulation class: F
- Ingress protection: IP68

Motor

- Cast iron pump body, aluminum motor casing
- Copper winding
- Built-in thermal protector
- Stainless steel shaft
- Double-end Mechanical seal
- Stainless steel filter

MODEL	POWER		MAX.FLOW (m³/h)	MAX.HEAD (m)	MAX IMMERSION (m)
	(kW)	(HP)			
1804020-1	0.25	0.33	7	13	5
1804020-2	0.25	0.33	7	13	5
1804020-3	0.37	0.5	8	16	5
1804020-4	0.37	0.5	8	16	5
1804020-5	0.55	0.75	8	26.5	5
1804020-6	0.55	0.75	12	19	5
1804020-7	0.55	0.75	17	14	5
1804020-8	0.75	1.0	10	32.5	5
1804020-9	0.75	1.0	18	19.5	5
1804020-10	0.75	1.0	18	19.5	5
1804020-11	1.1	1.5	17	25	5



Part	
1	Filter
2	Pump body
3	O-Ring
4	Outlet connector
5	Impeller
6	Oil seal
7	Cover of cylinder
8	Mechanical seal
9	O-Ring
10	Motor casing
11	Stator
12	Cable assembly
13	Handle
14	Float switch
15	Top cover
16	Capacitor
17	O-Ring
18	End cover
19	Wave spring pad
20	Rotor
21	Bearing

NO.1805001

Peripheral Pumps



Application

- Can be used to transfer clean water or other liquids similar to water
- in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system
- small air conditioner system or supporting equipment etc

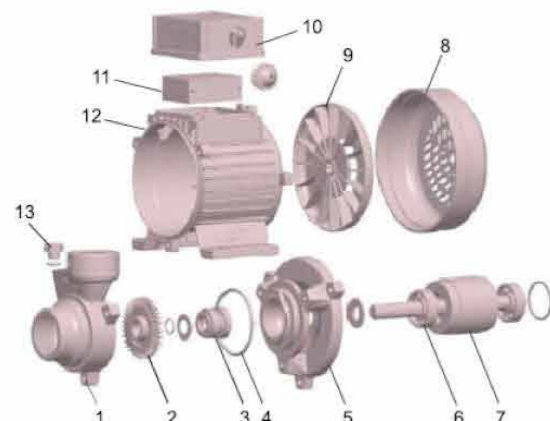
Pump

- Special anti-rust treatment for cast iron pump body and support
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805001	0.11	0.15	1"x1"	28	28	8



Part	
1	Pump body
2	Impeller
3	Mechanical seal
4	O-ring
5	Support
6	Bearing
7	Rotor
8	Fan cover
9	Fan
10	Terminal box
11	Capacitor
12	Stator
13	Filling plug

NO.1805002

Peripheral Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

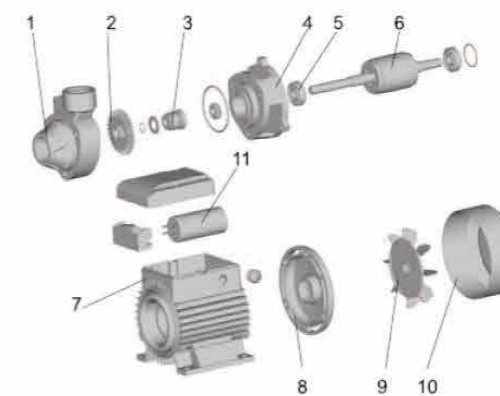
Pump

- Transfer of clean water or non-aggressive liquid
- Brass impeller
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

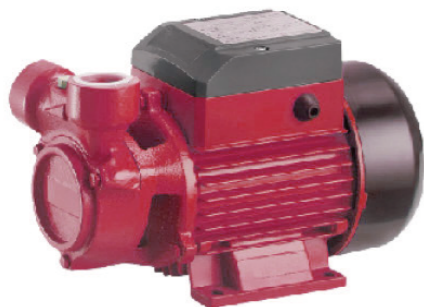
MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805002-1	0.37	0.5	1"x1"	40	40	8
1805002-2	0.6	0.8	1"x1"	50	65	8
1805002-3	0.75	1.0	1"x1"	60	70	8
1805002-4	0.75	1.0	3/4"x3/4"	40	90	8
1805002-5	1.1	1.5	1"x1"	80	85	8
1805002-6	1.5	2.0	1"x1"	90	90	8
1805002-7	2.2	3.0	1"x1"	100	100	8



Part	
1	Pump body
2	Impeller
3	Mechanical seal
4	Support
5	Bearing
6	Rotor
7	Stator
8	Rear cover
9	Fan
10	Fan cover
11	Capacitor

NO.1805003

Peripheral Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

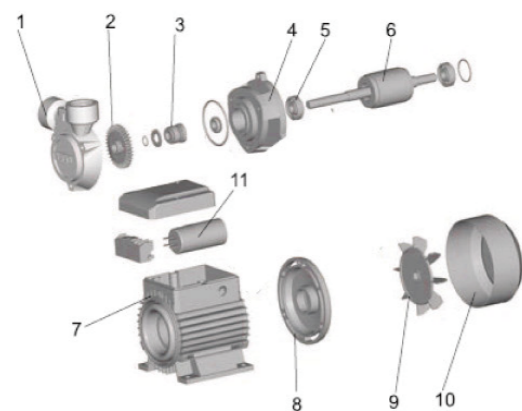
Pump

- Transfer of clean water or non-aggressive liquid
- Brass impeller
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor (Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805003-1	0.11	0.15	1"x1"	28	28	8
1805003-2	0.37	0.5	1"x1"	40	40	8
1805003-3	0.6	0.8	1"x1"	50	65	8
1805003-4	0.75	1.0	1"x1"	60	70	8



Parts	
1	Pump body
2	Impeller
3	Mechanical seal
4	Support
5	Bearing
6	Rotor
7	Stator
8	Rear cover
9	Fan
10	Fan cover
11	Capacitor

NO.1805004

Self-priming Peripheral Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties.
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

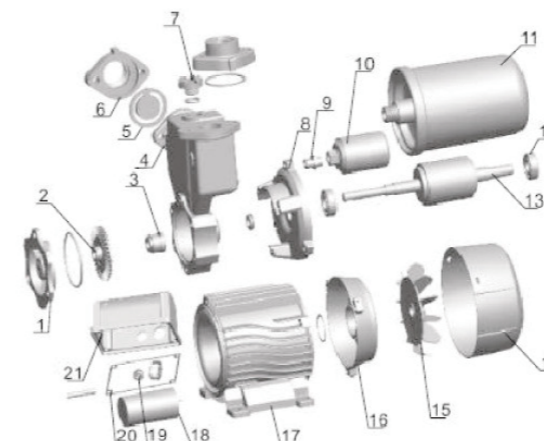
Pump

- With 2 L pressure tank for automatic operation
- Special anti-rust treatment
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +9 m

Motor

- C&U bearing
- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor (Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805004-1	0.125	0.17	1"x1"	30	30	9
1805004-2	0.35	0.47	1"x1"	40	35	9
1805004-3	0.55	0.75	1"x1"	45	45	9
1805004-4	0.75	1	1"x1"	50	55	9



Part		Part	
1	Pump bonnet	15	Fan
2	Impeller	16	Rear cover
3	Mechanical seal	17	Stator
4	Pump body	18	Capacitor
5	Check valve	19	Cable holder
6	Outlet connector	20	Sealing ring
7	Filling plug	21	Terminal box
8	Front plate		
9	Bend		
10	Pressure switch		
11	Pressure tank		
12	Bearing		
13	Rotor		
14	Fan cover		

NO.1805005

Self-priming Centrifugal Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for pumping water from lake, river and well
- Industrial use and agricultural irrigation

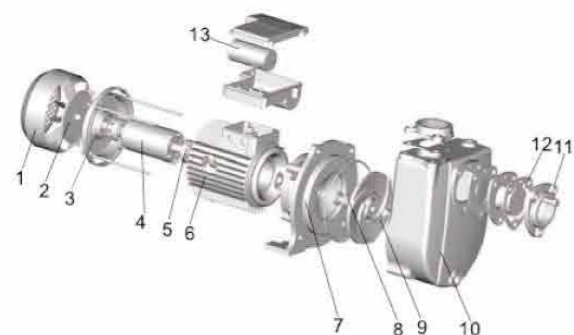
Pump

- Transfer of clean water or non-aggressive liquid
- Open impeller
- Special anti-rust treatment for pump body and support
- High flow and Medium/low head meet industrial and agricultural demand
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805005-1	1.1	1.5	2"x2"	270	16	8
1805005-2	1.5	2.0	2"x2"	320	20	8



Part	
1	Fan cover
2	Fan
3	Rear cover
4	Rotor
5	Bearing
6	Stator
7	Support
8	Mechanical seal
9	Impeller
10	Pump body
11	Inlet adaptor
12	Non-return valve
13	Capacitor

NO.1805006

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

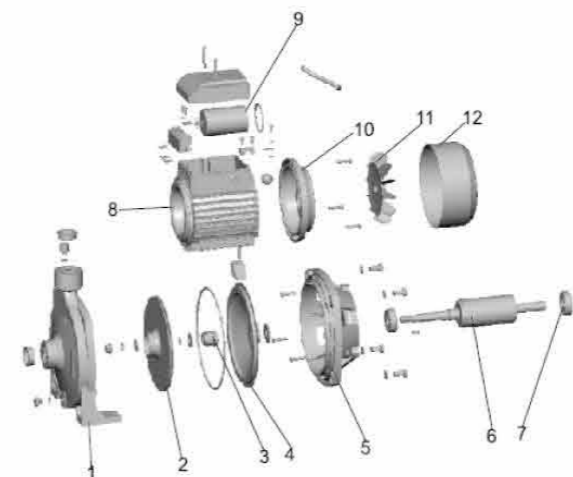
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805006-1	0.25	0.33	1"x1"	70	16	8
1805006-2	0.37	0.5	1"x1"	90	23	8
1805006-3	0.60	0.8	1"x1"	90	28	8
1805006-4	0.75	1.0	1"x1"	100	36	8



Part	
1	Pump body
2	Impeller
3	Mechanical seal
4	Bracket cover
5	Support
6	Rotor
7	Bearing
8	Stator
9	Capacitor
10	Rear cover
11	Fan
12	Fan cover

NO.1805007

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

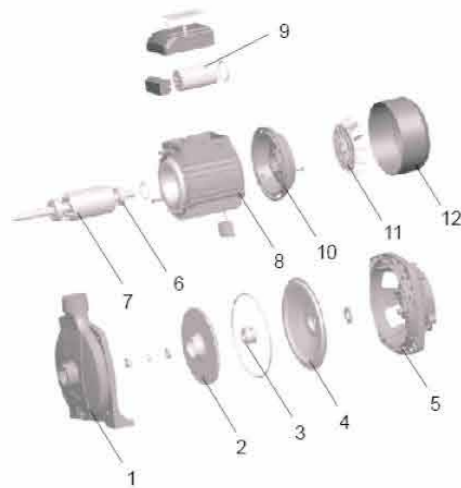
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805007-1	1.1	1.5	1"x1"	130	41	8
1805007-2	1.1	1.5	1 1/4"x1"	170	36	8
1805007-3	1.5	2.0	1 1/4"x1"	150	48	8
1805007-4	2.2	3.0	1 1/4"x1"	160	55	8



Part	
1	Pump body
2	Impeller
3	Mechanical seal
4	Bracket cover
5	Support
6	Bearing
7	Rotor
8	Stator
9	Capacitor
10	Rear cover
11	Fan
12	Fan cover

NO.1805008

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

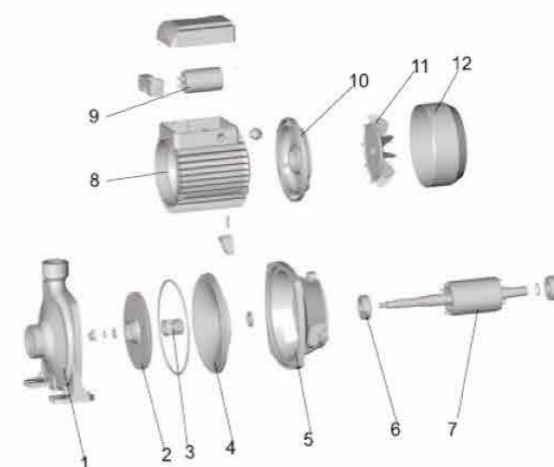
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805008-1	1.1	1.5	1 1/2"x1"	220	33	8
1805008-2	1.5	2.0	1 1/2"x1"	250	38	8



Part	
1	Pump body
2	Impeller
3	Mechanical seal
4	Bracket cover
5	Support
6	Bearing
7	Rotor
8	Stator
9	Capacitor
10	Rear cover
11	Fan
12	Fan cover

NO.1805009

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

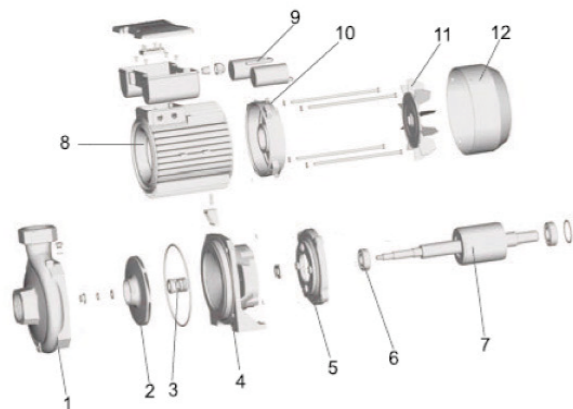
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor (Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805009-1	1.1	1.5	2"x2"	450	25	8
1805009-2	1.5	2.0	2"x2"	450	30	8
1805009-3	2.2	3.0	2"x2"	500	34	8



Part	
1	Pump body
2	Impeller
3	Mechanical seal
4	Support
5	Front cover
6	Bearing
7	Rotor
8	Stator
9	Capacitor
10	Rear cover
11	Fan
12	Fan cover

NO.1805010

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

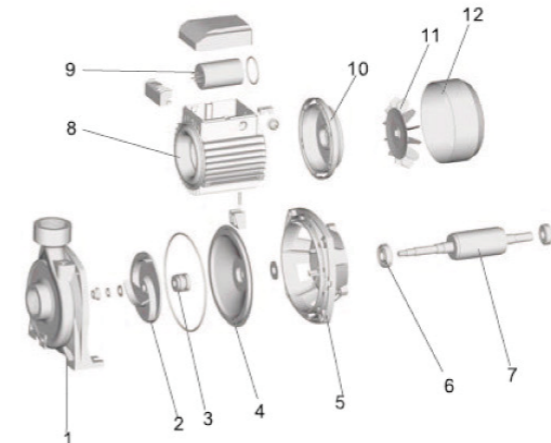
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor (Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805010-1	0.6	0.8	1 1/2"x1 1/2"	275	16	8
1805010-2	0.75	1.0	1 1/2"x1 1/2"	275	20	8



Part	
1	Pump body
2	Impeller
3	Mechanical seal
4	Bracket cover
5	Support
6	Bearing
7	Rotor
8	Stator
9	Capacitor
10	Rear cover
11	Fan
12	Fan cover

NO.1805011

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

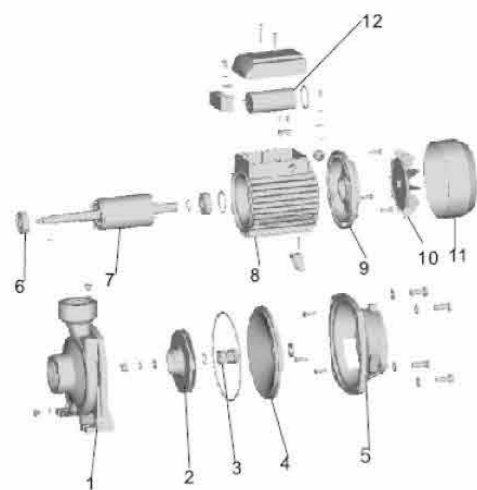
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- High flow and Medium/low head meet industrial and agricultural demand
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805011-1	0.6	0.8	2"x2"	500	12.5	8
1805011-2	0.75	1.0	2"x2"	650	13.7	8
1805011-3	1.1	1.5	2"x2"	650	14.5	8
1805011-4	1.1	1.5	2"x2"	600	20.2	8
1805011-5	1.5	2.0	2"x2"	600	22.5	8



Part

1	Pump body
2	Impeller
3	Mechanical seal
4	Bracket cover
5	Support
6	Bearing
7	Rotor
8	Stator
9	Rear cover
10	Fan
11	Fan cover
12	Capacitor

NO.1805012

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

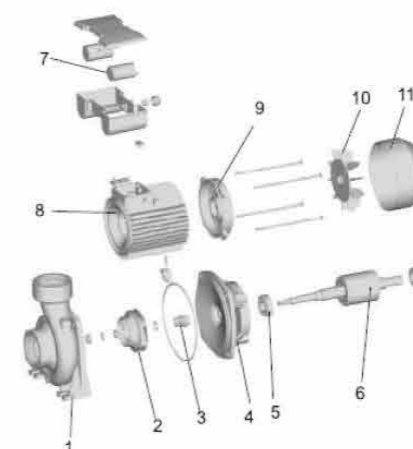
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- High flow and Medium/low head meet industrial and agricultural demand
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805012-1	1.1	1.5	3"x3"	1100	11.9	8
1805012-2	1.1	1.5	4"x4"	1100	11.9	8
1805012-3	1.5	2.0	3"x3"	1200	14.7	8
1805012-4	1.5	2.0	4"x4"	1200	14.7	8
1805012-5	2.2	3.0	3"x3"	1300	18.5	8
1805012-6	2.2	3.0	3"x3"	1300	18.5	8
1805012-7	2.2	3.0	4"x4"	1300	18.5	8
1805012-8	2.2	3.0	4"x4"	1300	18.5	8
1805012-9	3.0	4.0	3"x3"	1300	21.8	8
1805012-10	3.0	4.0	3"x3"	1300	21.8	8
1805012-11	3.0	4.0	4"x4"	1300	21.8	8
1805012-12	3.0	4.0	4"x4"	1300	21.8	8



Part

1	Pump body
2	Impeller
3	Mechanical seal
4	Support
5	Bearing
6	Rotor
7	Capacitor
8	Stator
9	Rear cover
10	Fan
11	Fan cover

NO.1805013

Centrifugal Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

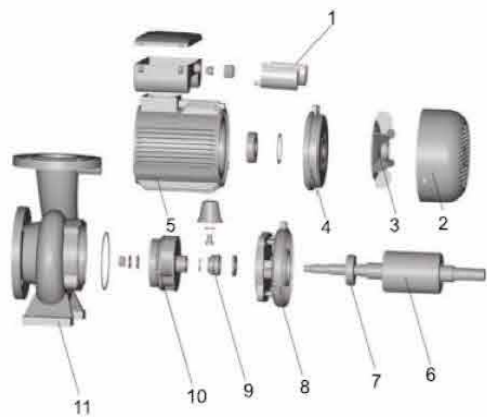
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- High flow and Medium/low head meet industrial and agricultural demand
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805013	4	5.5	4"x4"	2200	18.8	8



Part	
1	Capacitor
2	Fan cover
3	Fan
4	Rear cover
5	Stator
6	Rotor
7	Bearing
8	Support
9	Mechanical seal
10	Impeller
11	Pump body

NO.1805014

Multistage Centrifugal Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

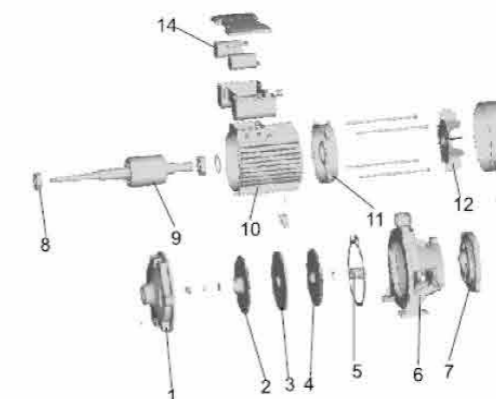
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805014-1	0.75	1.0	1 1/4"x1"	90	44	8
1805014-2	1.1	1.5	1 1/2"x1"	160	47	8
1805014-3	1.5	2.0	1 1/4"x1"	125	66	8
1805014-4	1.5	2.0	1 1/2"x1"	180	58	8
1805014-5	2.2	3.0	1 1/2"x1"	200	68	8
1805014-6	2.2	3.0	1 1/2"x1"	200	68	8
1805014-7	3.0	4.0	1 1/2"x1 1/4"	250	70	8
1805014-8	3.0	4.0	1 1/2"x1 1/4"	250	70	8



Part	
1	Pump body
2	Impeller
3	Eliminator
4	Impeller
5	Mechanical seal
6	Support
7	Front cover
8	Bearing
9	Rotor
10	Stator
11	Rear cover
12	Fan
13	Fan cover
14	Capacitor

NO.1805015

Multistage Centrifugal Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

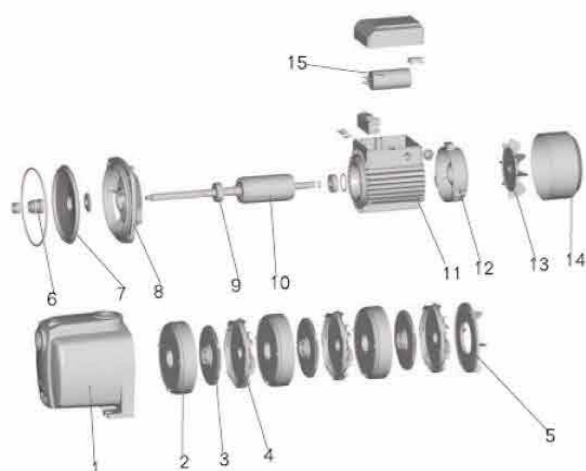
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +40°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805015-1	0.45	0.6	1"x1"	80	38	8
1805015-2	0.6	0.8	1"x1"	90	50	8



Part	
1	Pump body
2	Diffuser 1
3	Impeller
4	Diffuser 2
5	Diffuser bracket
6	Mechanical seal
7	Bracket cover
8	Support
9	Bearing
10	Rotor
11	Stator
12	Rear cover
13	Fan
14	Fan cover
15	Capacitor

NO.1805016

Multistage Centrifugal Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

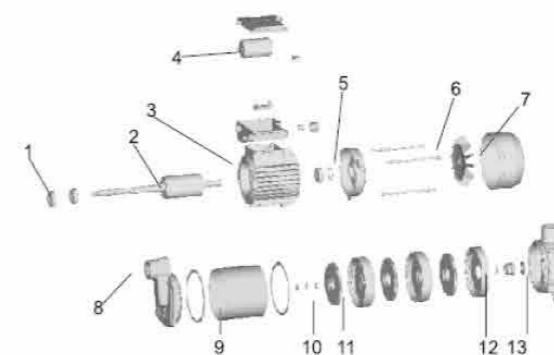
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

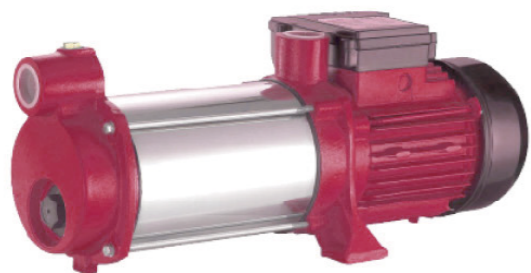
MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805016-1	0.6	0.8	1"x1"	80	35	8
1805016-2	0.75	1.0	1"x1"	90	45	8
1805016-3	0.9	1.2	1"x1"	90	55	8



Part	
1	Mechanical seal
2	Rotor
3	Stator
4	Capacitor
5	Rear cover
6	Fan
7	Fan cover
8	Pump body
9	Barrel
10	Impeller
11	Diffuser
12	Bearing
13	Support

NO.1805017

Self-priming Multistage Centrifugal Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

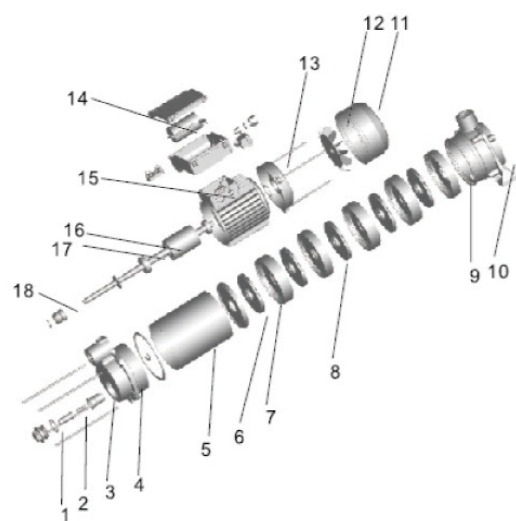
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +60°C
- Max. suction: +8 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

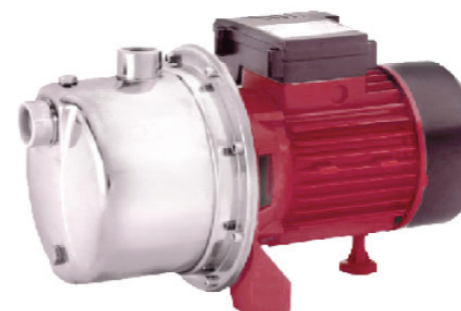
MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805017-1	0.6	0.8	1"x1"	80	35	8
1805017-2	0.75	1.0	1"x1"	90	45	8
1805017-3	0.9	1.2	1"x1"	90	55	8



Part	
1	Pump Plug
2	Pusher
3	Nozzle
4	Pump Body
5	Barrel
6	Pump cover
7	Impeller
8	Discharge cover
9	Diffuser
10	Support
11	Fan cover
12	Fan
13	Rear cover
14	Capacitor
15	Stator
16	Rotor
17	Bearing
18	Mechanical Seal

NO.1805018

Stainless Steel Jet Pump



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

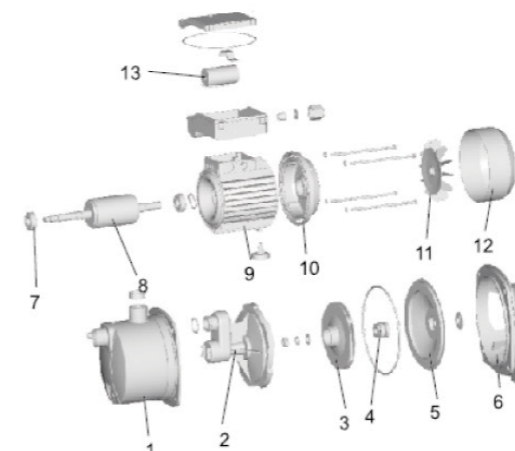
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +40°C
- Max. suction: +9 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805018-1	0.3	0.4	1"x1"	45	30	9
1805018-2	0.45	0.6	1"x1"	45	38	9
1805018-3	0.6	0.8	1"x1"	50	42	9
1805018-4	0.75	1.0	1"x1"	50	47	9
1805018-5	1.2	1.6	1"x1"	60	48	9



Part	
1	Pump body
2	Diffuser
3	Impeller
4	Mechanical seal
5	Bracket cover
6	Support
7	Bearing
8	Rotor
9	Stator
10	Rear cover
11	Fan
12	Fan cover
13	Capacitor

NO.1805019

Jet Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

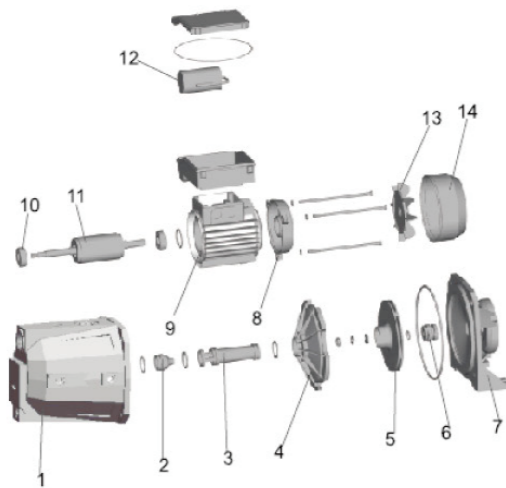
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +40°C
- Max. suction: +9 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805019-1	0.3	0.4	1"x1"	40	28	9
1805019-2	0.45	0.6	1"x1"	40	38	9
1805019-3	0.6	0.8	1"x1"	50	42	9
1805019-4	0.75	1.0	1"x1"	60	45	9



Part	
1	Pump body
2	Nozzle
3	Internal channel
4	Discharge cover
5	Impeller
6	Mechanical seal
7	Support
8	Rear cover
9	Stator
10	Bearing
11	Rotor
12	Capacitor
13	Fan
14	Fan cover

NO.1805020

Jet Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

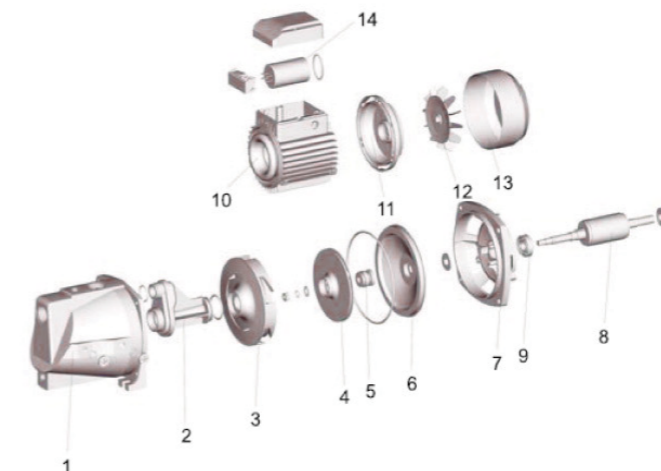
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +40°C
- Max. suction: +9 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805020-1	0.37	0.5	1"x1"	60	35	9
1805020-2	0.5	0.7	1"x1"	60	41	9



Part	
1	Pump body
2	Internal channel
3	Discharge cover
4	Impeller
5	Mechanical seal
6	Bracket cover
7	Support
8	Rotor
9	Bearing
10	Stator
11	Rear cover
12	Fan
13	Fan cover
14	Capacitor

NO.1805021

Jet Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

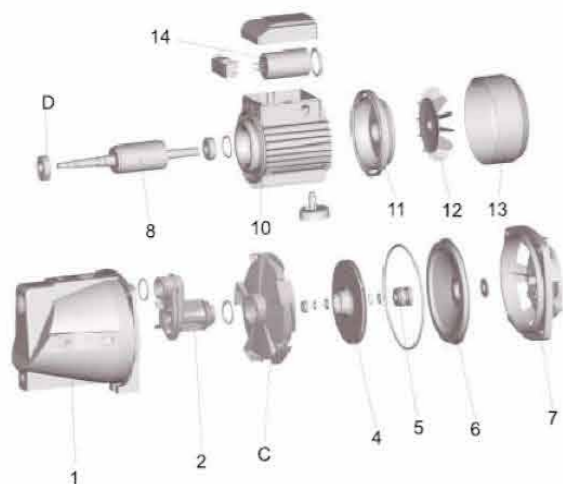
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +40°C
- Max. suction: +9 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805021-1	0.75	1.0	1"x1"	60	56	9
1805021-2	1.1	1.5	1"x1"	60	72	9
1805021-3	0.75	1.0	1"x1"	90	46	9
1805021-4	1.1	1.5	1"x1"	90	55	9



Part	
1	Pump body
2	Internal channel
3	Discharge cover
4	Impeller
5	Mechanical seal
6	Bracket cover
7	Support
8	Rotor
9	Bearing
10	Stator
11	Rear cover
12	Fan
13	Fan cover
14	Capacitor

NO.1805022

Jet Pumps



Application

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for small living water supply, automatic water sprinkler system, small air conditioner system or supporting equipment etc.

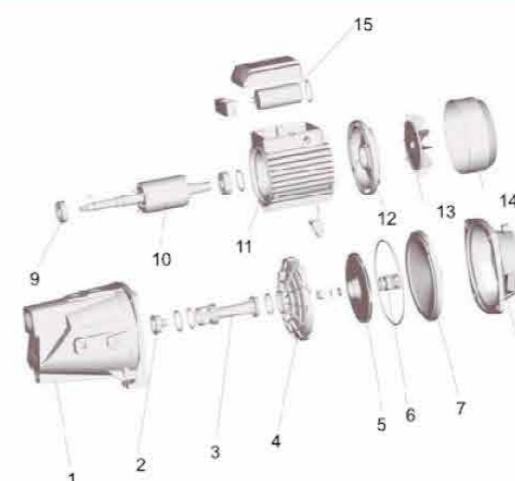
Pump

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- AISI 304 shaft
- Max. liquid temperature: +40°C
- Max. suction: +9 m

Motor

- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C
- IE2 motor(Three phase, power ≥ 0.75kW)

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805022-1	1.1	1.5	1 1/4"x1"	80	64	9
1805022-2	1.1	1.5	1 1/4"x1"	140	52	9
1805022-3	1.1	1.5	1 1/4"x1"	180	42	9
1805022-4	1.5	2.0	1 1/4"x1"	100	76	9
1805022-5	1.5	2.0	1 1/4"x1"	140	60	9
1805022-6	1.5	2.0	1 1/4"x1"	180	51	9



Part	
1	Pump body
2	Nozzle
3	Internal channel
4	Discharge cover
5	Impeller
6	Mechanical seal
7	Bracket cover
8	Support
9	Bearing
10	Rotor
11	Stator
12	Rear cover
13	Fan
14	Fan cover
15	Capacitor

NO.1805023

Stainless Steel Centrifugal Pumps



Application

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

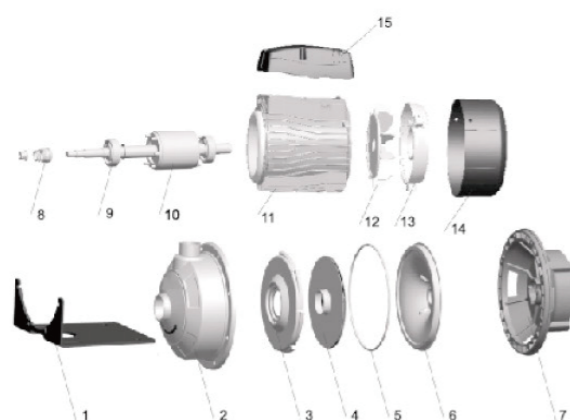
Pump

- AISI 304 pump body
- AISI 304 shaft
- Max. liquid temperature: +85 °C
- Altitude: up to 1000 m

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. temperature: +40°C

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805023-1	0.37	0.5	1 1/4"x1"	70	20.9	8
1805023-2	0.5	0.75	1 1/4"x1"	70	29.5	8
1805023-3	0.75	1.0	1 1/4"x1"	70	30.4	8
1805023-4	0.55	0.75	1 1/4"x1"	120	21.2	8
1805023-5	1.1	1.5	1 1/4"x1"	120	30.2	8



Part	
1	Bottom plate
2	Pump body
3	Diffuser
4	Impeller
5	O-ring
6	Airproof plate
7	Support
8	Mechanical seal
9	Ball bearing
10	Rotor
11	Stator
12	Fan
13	Rear housing
14	Fan cover
15	Terminal box

NO.1805024

Stainless Steel Centrifugal Pumps



Application

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

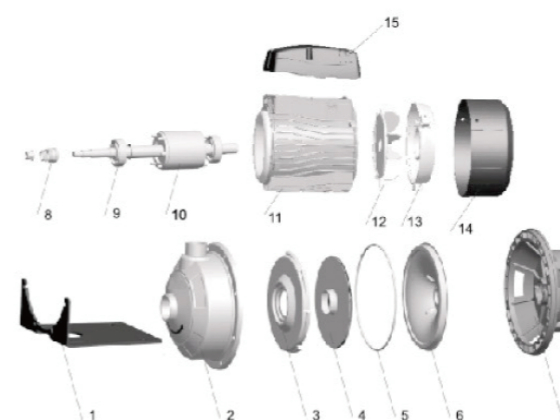
Pump

- AISI 304 pump body
- AISI 304 shaft
- Max. liquid temperature: +85 °C
- Altitude: up to 1000 m

Motor

- C&U bearing
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. temperature: +40°C

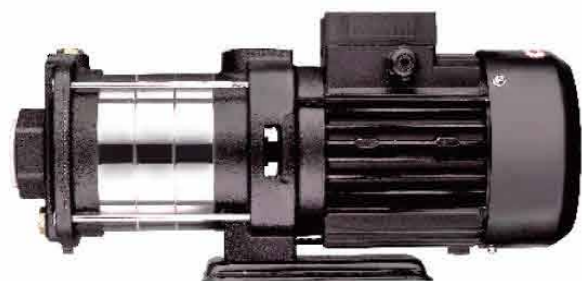
MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805024-1	0.75	1.0	1 1/2"x1 1/4"	210	16.8	8
1805024-2	1.1	1.5	1 1/2"x1 1/4"	210	19.7	8
1805024-3	1.5	2.0	1 1/2"x1 1/4"	210	24.2	8
1805024-4	2.2	3.0	1 1/2"x1 1/4"	210	27.5	8
1805024-5	1.1	1.5	1 1/2"x1 1/4"	370	15.4	8
1805024-6	1.5	2.0	2"x1 1/4"	370	19.3	8
1805024-7	2.2	3.0	2"x1 1/4"	370	23.1	8



Part	
1	Bottom plate
2	Pump body
3	Diffuser
4	Impeller
5	O-ring
6	Airproof plate
7	Support
8	Mechanical seal
9	Ball bearing
10	Rotor
11	Stator
12	Fan
13	Rear housing
14	Fan cover
15	Terminal box

NO.1805025

Stainless Steel Centrifugal Pumps



Application

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

Pump

- AISI304 shaft
- Max. liquid temperature: +60°C
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max. operation pressure: 10 bar
- Liquid PH Value: 6.5–8.5

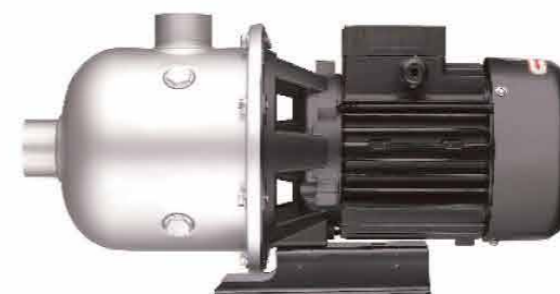
Motor

- IE2 motor
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C



NO.1805026

Stainless Steel Centrifugal Pumps



Application

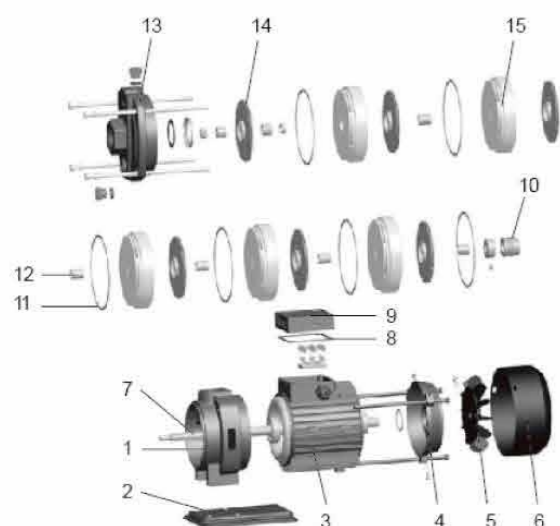
- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized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

Pump

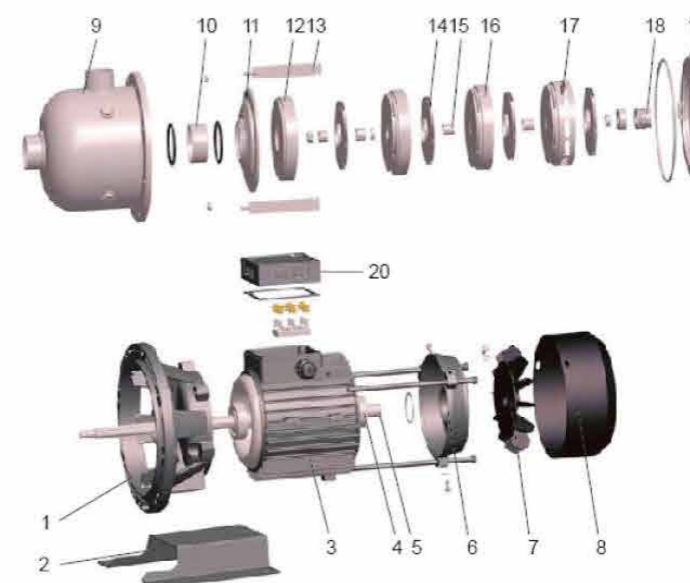
- AISI304 shaft
- Max. liquid temperature: +60°C
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max. operation pressure: 10 bar
- Liquid PH Value: 6.5–8.5

Motor

- IE2 motor
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40°C



No.	Part	Material
1	Support	Cast iron
2	Base	Q235
3	Stator	ZL 102
4	Rear	ZL 102
5	Fan	PP-GF15
6	Fan cover	08F
7	Rotor	
8	O-ring	NBR
9	Terminal Box	PP-GF20
10	Mechanical seal	Sic/Carbon
11	O-ring	NBR
12	Sleeve	AISI 304
13	Pump body	HT200
14	Impeller	AISI 304
15	Diffuser	AISI 304



No.	Part	Material
1	Support	ZL 102
2	Base	Q235
3	Stator	
4	Bearing	
5	Rotor	
6	Rear	ZL 102
7	Fan	PP
8	Fan cover	08F
9	Pump body	AISI 304
10	Spacer bush	AISI 304
11	Pressure plate	AISI 304
12	Diffuser1	AISI 304
13	Tension plate	AISI 304
14	Impeller	AISI 304
15	Sleeve	AISI 304
16	Diffuser2	AISI 304
17	Diffuser3	AISI 304
18	Mechanical seal	Sic/Carbon
19	Bracket cover	AISI 304
20	Terminal cover	Plastic

NO.1805027

Garden Jet Pump



Application

- Can be used for transfer clean water or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from well or the pool, and draining water from the basement

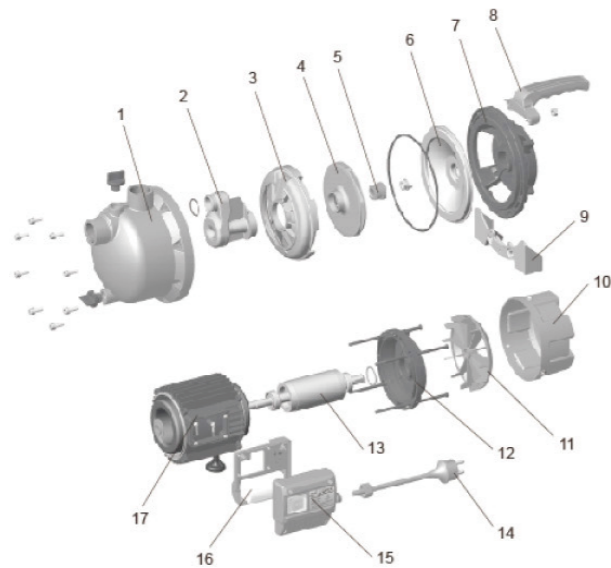
Pump

- Unique ergonomic design
- Max. fluid temperature : + 35°C
- Max. suction : + 8 m

Motor

- C & U bearing
- Built-in thermal protector
- Aluminum winding
- Insulation class : F
- Protection class : IPX4
- Max ambient temperature : + 40°C

MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805027-1	0.6	0.8	1"x1"	3	35	7
1805027-2	0.8	1.1	1"x1"	3.7	40	7
1805027-3	1.0	1.5	1"x1"	4.5	45	8
1805027-4	1.2	1.6	1"x1"	5.0	50	8



No.	Part
1	Pump body
2	Ejector
3	Diffuser
4	Impeller
5	Mechanical seal
6	Bracket cover
7	Bracket
8	Handel
9	Bracket support
10	Fan cover
11	Fan
12	End cover
13	Rotor
14	Plug line
15	Terminal box
16	Capacitor
17	Stator

NO.1805028

Garden Jet Pump



Application

- Can be used for transfer clean water or slightly dirty water or other liquids similar to water in physical and chemical properties
- Suitable to be immersed in water for lifting water from well or the pool, and draining water from the basement

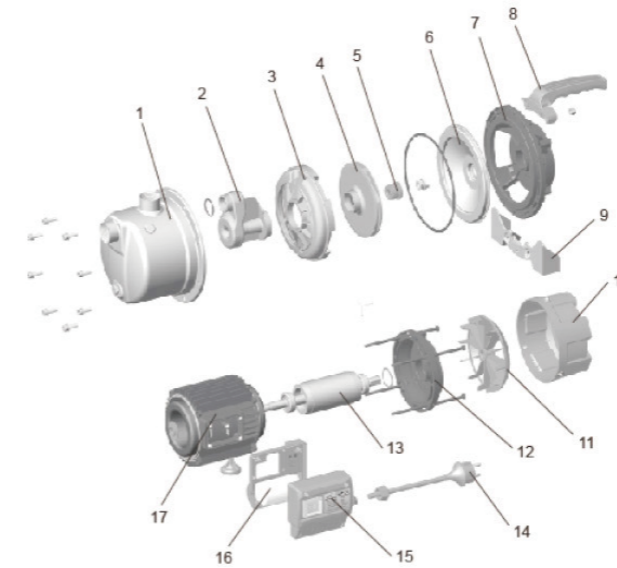
Pump

- Unique ergonomic design
- Max. fluid temperature : + 35°C
- Max. suction : + 8 m

Motor

- C & U bearing
- Built-in thermal protector
- Aluminum winding
- Insulation class : F
- Protection class : IPX4
- Max ambient temperature : + 40°C

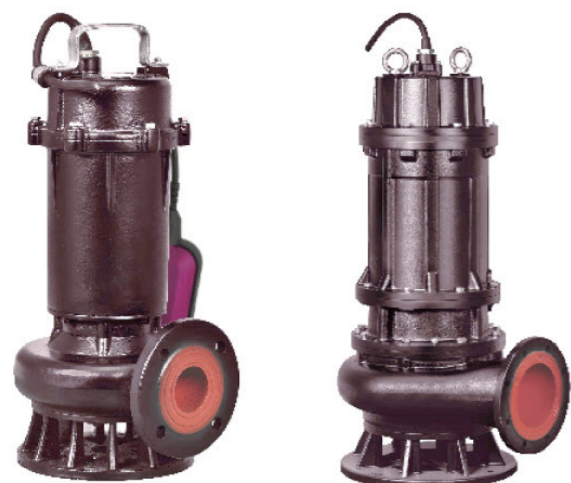
MODEL	POWER		OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCTION (m)
	(kW)	(HP)				
1805028-1	0.6	0.8	1"x1"	3	35	7
1805028-2	0.8	1.1	1"x1"	3.7	40	7
1805028-3	1.0	1.5	1"x1"	4.5	45	8
1805028-4	1.2	1.6	1"x1"	5.0	50	8



No.	Part
1	Pump body
2	Ejector
3	Diffuser
4	Impeller
5	Mechanical seal
6	Bracket cover
7	Bracket
8	Handel
9	Bracket support
10	Fan cover
11	Fan
12	End cover
13	Rotor
14	Plug line
15	Terminal box
16	Capacitor
17	Stator

NO.1805029

Submersible Sewage Pumps



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40°C
- Liquid pH value: 5-9
- Max. liquid density: 1.2x10³kg/m³

Motor

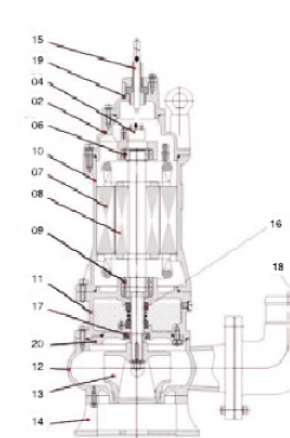
- Copper winding
- Insulation class: B
- Protection class: IP68

Model	Voltage	Motor Power		Outlet	Guide Rial Fitting	Max flow	Max head	Speed	Impeller passage	N.W	Packing dimension
	V	kW	HP								
1805029-1	380	0.75	1	2	50-50	28	13	3000	25	18	500*260*240
1805029-2	220	0.75	1	2	50-50	28	13	3000	25	19	500*260*240
1805029-3	380	1.1	1.5	2	50-50	25	19	3000	20	23.5	510*260*240
1805029-4	220	1.1	1.5	2	50-50	25	19	3000	20	24.5	520*260*240
1805029-5	380	1.1	1.5	2 1/2	50-65	28	15	3000	25	23.5	510*260*240
1805029-6	220	1.1	1.5	2 1/2	50-65	28	15	3000	25	24.5	520*260*240
1805029-7	380	1.5	2	2	50-50	25	22	3000	20	25	520*260*240
1805029-8	220	1.5	2	2	50-50	25	22	3000	20	26	520*260*240
1805029-9	380	1.5	2	2 1/2	50-65	35	20	3000	25	25	520*260*240
1805029-10	220	1.5	2	2 1/2	50-65	35	20	3000	25	26	520*260*240
1805029-11	380	2.2	3	2	50-50	38	23	3000	25	44	680*260*300
1805029-12	380	2.2	3	2 1/2	65-65	44	22	3000	25	42	680*260*300
1805029-13	380	2.2	3	3	65-80	65	16	3000	30	41	710*260*290
1805029-14	380	3	4	2	50-50	47	29	3000	25	49	710*260*290
1805029-15	380	3	4	2 1/2	65-65	55	26	3000	30	52	710*260*290
1805029-16	380	3	4	3	80-80	72	21	3000	30	51	740*240*290
1805029-17	380	3	4	4	80-100	88	19	3000	30	53	740*240*290
1805029-18	380	4	5.5	2 1/2	65-65	55	32	3000	25	61	770*260*230
1805029-19	380	4	5.5	3	80-80	80	24	3000	30	64	800*260*290
1805029-20	380	4	5.5	4	80-100	89	24	3000	30	65	800*260*290
1805029-21	380	5.5	7.5	2	50-50	50	43	3000	25	73	790*290*310
1805029-22	380	5.5	7.5	3	80-80	47	37	3000	30	73	810*290*320

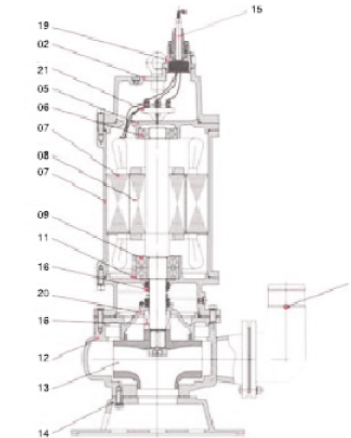
Model	Voltage	Motor Power		Outlet	Guide Rial Fitting	Max flow	Max head	Speed	Impeller passage	N.W	Packing dimension
	V	kW	HP								
100WQ65-15-5.5	380	5.5	7.5	4	100-100A	108	25	3000	30	79	820*300*350
100WQ45-22-7.5	380	7.5	10	4	100-100A	90	31	3000	35	115	1000*360*380
150WQ100-10-7.5	380	7.5	10	6	150-150	140	20	3000	35	115	1010*370*410
100WQ65-15-5.5(4P)	380	5.5	7.5	4	100-100	145	21	1500	55	126	1030*450*530
150WQ110-10-5.5(4P)	380	5.5	7.5	6	150-150	200	16	1500	55	153	1030*450*530
100WQ100-15-7.5(4P)	380	7.5	10	4	100-100	170	21	1500	55	156	1030*450*530
150WQ150-10-7.5(4P)	380	7.5	10	6	150-150	220	16	1500	75	163	1050*500*600
100WQ100-25-11(4P)	380	11	15	4	100-100	180	26	1500	50	221	500*600*1050
150WQ130-15-11(4P)	380	11	15	6	150-150	270	20	1500	50	239	500*600*1180
200WQ300-7-11(4P)	380	11	15	8	200-200	360	18	1500	65	252	500*600*1180
100WQ100-30-15(4P)	380	15	20	4	100-100	190	32	1500	50	239	500*600*1180
150WQ130-20-15(4P)	380	15	20	6	150-150	300	23	1500	50	259	500*600*1180
200WQ250-11-15(4P)	380	15	20	8	200-200	380	22	1500	65	274	500*600*1180
150WQ180-20-18.5(4P)	380	18.5	25	6	150-150	300	26	1500	50	300	510*640*1210
200WQ250-15-18.5(4P)	380	18.5	25	8	200-200	400	25	1500	65	300	510*640*1210
150WQ180-25-22(4P)	380	22	30	6	150-150	330	28	1500	50	324	510*640*1250
200WQ300-15-22(4P)	380	22	30	8	200-200	450	28	1500	65	324	510*640*1250
150WQ180-30-30(4P)	380	30	40	6	150-150	350	38	1500	70	445	630*660*1360
200WQ250-22-30(4P)	380	30	40	8	200-200	500	34	1500	70	446	660*690*1360
250WQ600-9-30(4P)	380	30	40	10	250-250	600	28	1500	70	446	660*710*1360
300WQ800-7-30(4P)	380	30	40	12	300-300	1000	18	1500	80	486	700*750*1450
150WQ160-45-37(4P)	380	37	50	6	150-150	380	43	1500	70	490	630*660*1360
200WQ350-25-37(4P)	380	37	50	8	200-200	500	38	1500	70	492	660*690*1360
250WQ600-12-37(4P)	380	37	50	10	250-250	720	32	1500	70	495	660*710*1360
300WQ900-8-37(4P)	380	37	50	12	300-300	1200	22	1500	80	535	700*750*1450
200WQ380-28-45(4P)	380	45	60	8	200-200	800	38	1500	70	545	660*710*1450
250WQ600-15-45(4P)	380	45	60	10	250-250	600	43	1500	70	545	660*710*1500
300WQ800-12-45(4P)	380	45	60	12	300-300	1300	25	1500	80	575	700*750*1600

Part

- 01 Handle
- 02 Upper cover
- 03 Capacitor
- 04 Thermal protector
- 05 Upper bearing seat
- 06 Bearing
- 07 Stator
- 08 Rotor
- 09 Bearing
- 10 Motor body
- 11 Bearing seat
- 12 Pump body
- 13 Impeller
- 14 Base
- 15 Cable
- 16 Mechanical seal
- 17 Oil seal
- 18 Hose coupling
- 19 Terminal box
- 20 Seal bracket
- 21 Wiring terminal

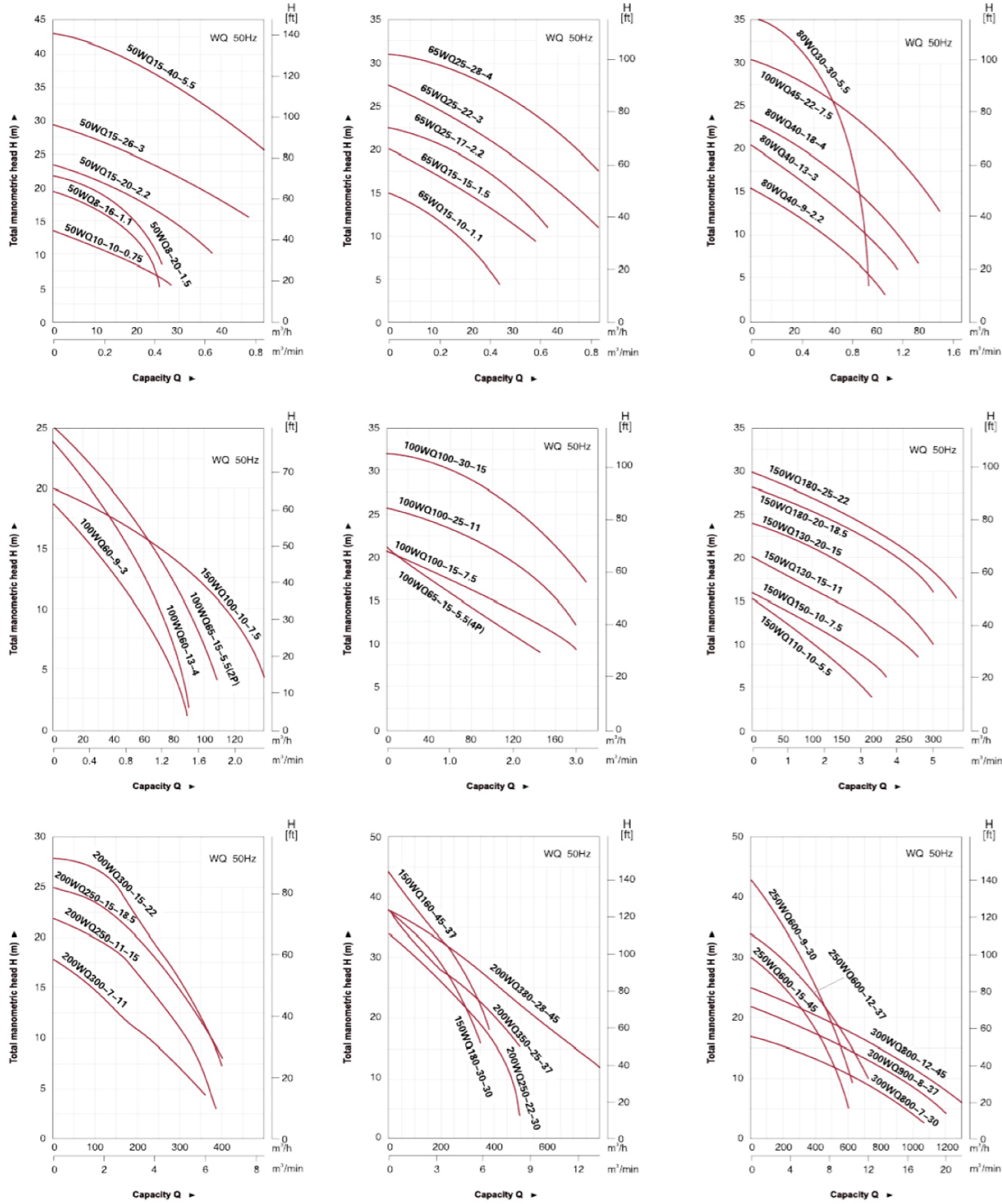


WQ(D) 0.75 - 7.5 kW

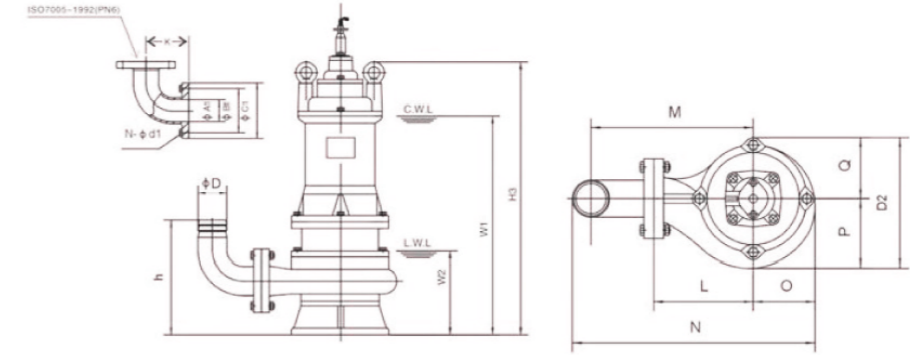


WQ 11 - 45 kW

Hydraulic Performance Curves

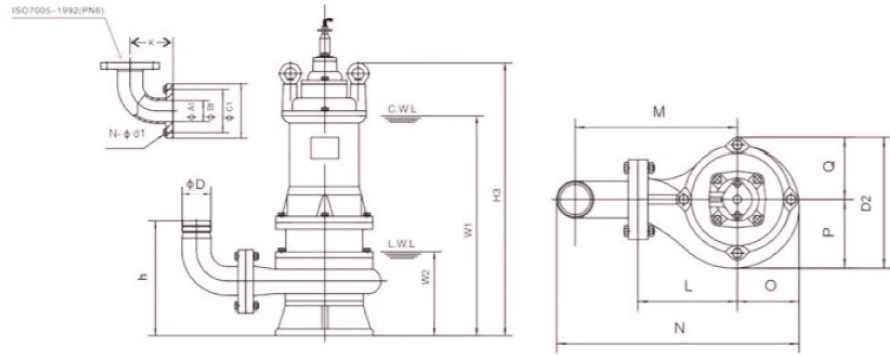


Dimension



Model	ΦD	ΦA1	ΦB1	ΦC1	n-Φd1	h	W1	W2	H3	K	N	O	P	Q	L	M	D2
50WQ10-10-0.75	50	50	110	140	4-Φ14	204	340	136	450	100	330	95	100	85	140	205	185
50WQD10-10-0.75	50	50	110	140	4-Φ14	204	340	136	450	100	330	95	100	85	140	205	185
50WQ8-16-1.1	50	50	110	140	4-Φ14	202	350	142	460	100	340	90	105	82	145	210	187
50WQD8-16-1.1	50	50	110	140	4-Φ14	202	370	142	480	100	340	90	105	82	145	210	187
65WQ15-10-1.1	65	50	110	140	4-Φ14	212	350	142	460	122	345	90	105	82	145	208	187
65WQD15-10-1.1	65	50	110	140	4-Φ14	212	370	142	480	122	345	90	105	82	145	208	187
50WQ8-20-1.5	50	50	110	140	4-Φ14	202	370	142	480	100	340	90	105	82	145	210	187
50WQD8-20-1.5	50	50	110	140	4-Φ14	202	390	142	500	100	340	90	105	82	145	210	187
65WQ15-15-1.5	65	50	110	140	4-Φ14	212	370	142	480	122	345	90	105	82	145	208	187
65WQD15-15-1.5	65	50	110	140	4-Φ14	212	390	142	500	122	345	90	105	82	145	208	187
50WQ15-20-2.2	50	50	110	140	4-Φ14	213	445	150	550	100	360	105	114	98	165	230	212
65WQ25-17-2.2	65	65	130	160	4-Φ14	223	445	150	550	122	365	105	115	100	165	228	215
80WQ40-9-2.2	80	65	130	160	4-Φ14	251	455	158	560	122	385	105	112	96	160	245	208
50WQ15-26-3	50	50	110	140	4-Φ14	212	464	150	570	100	360	105	115	97	165	230	212
65WQ25-22-3	65	65	130	160	4-Φ14	222	464	150	570	122	365	105	115	98	165	228	213
80WQ40-13-3	80	80	150	190	4-Φ18	262	490	177	595	140	380	105	115	98	155	235	213
100WQ60-9-3	100	80	150	190	4-Φ18	292	490	177	595	150	410	105	115	98	155	255	213
65WQ25-28-4	65	65	130	160	4-Φ14	241	502	170	612	122	390	115	125	110	180	243	235
80WQ40-18-4	80	80	150	190	4-Φ18	272	528	195	640	140	375	105	112	98	150	230	210
100WQ60-13-4	100	80	150	190	4-Φ18	302	528	195	640	150	405	105	112	98	150	250	210
50WQ15-40-5.5	50	50	110	140	4-Φ14	237	523	165	645	100	390	120	125	115	180	245	240
80WQ30-30-5.5	80	80	150	190	4-Φ18	270	540	182	660	140	405	110	115	105	175	255	220
100WQ65-15-5.5	100	100	170	210	4-Φ18	305	555	197	675	150	461	130	140	115	181	281	255
100WQ65-22-7.5	100	100	170	210	4-Φ18	340	660	265	820	150	495	140	150	130	205	305	280
150WQ100-10-7.5	150	150	225	265	8-Φ18	560	670	280	830	230	565	145	160	135	210	345	295

Dimension



Model	ΦD	ΦA1	ΦB1	ΦC1	n-Φd1	h	W1	W2	H3	K	N	O	P	Q	L	M	D2
100WQ65-15-5.5(4P)	100	100	170	210	4-Φ18	362	677	268	835	150	620	190	200	175	280	380	375
150WQ110-10-5.5(4P)	150	150	225	265	8-Φ18	415	697	288	855	230	680	195	210	170	275	410	380
100WQ100-15-7.5(4P)	100	100	170	210	4-Φ18	382	695	286	853	150	675	205	225	190	320	420	415
150WQ150-10-7.5(4P)	150	150	225	265	8-Φ18	420	708	300	866	230	705	195	216	170	300	345	386
100WQ100-25-11(4P)	100	100	170	210	4-Φ18	370	730	278	980	150	680	210	240	220	320	420	460
150WQ130-15-11(4P)	150	150	225	265	8-Φ18	450	780	331	1020	230	760	200	240	190	350	458	430
200WQ300-7-11(4P)	200	200	280	320	8-Φ18	590	780	327	1020	260	875	205	240	190	370	570	430
100WQ100-30-15(4P)	100	100	170	210	4-Φ18	370	770	278	1010	150	680	210	240	220	320	420	460
150WQ130-20-15(4P)	150	150	225	265	8-Φ18	450	820	331	1060	230	760	200	240	190	350	485	430
200WQ250-11-15(4P)	200	200	280	320	8-Φ18	590	820	327	1060	260	875	205	240	190	370	570	430
150WQ180-20-18.5(4P)	150	150	225	265	8-Φ18	450	885	331	1130	230	760	200	240	190	350	485	430
200WQ250-15-18.5(4P)	200	200	280	320	8-Φ18	590	885	327	1130	260	875	205	240	190	370	570	430
150WQ180-25-22(4P)	150	150	225	265	8-Φ18	450	915	331	1160	230	760	200	240	190	350	485	430
200WQ300-15-22(4P)	200	200	280	320	8-Φ18	590	915	327	1160	260	875	205	240	190	370	570	430
150WQ180-30-30(4P)	150	150	225	265	8-Φ18	463	972	390	1200	230	810	240	270	230	360	495	500
200WQ250-22-30(4P)	200	200	280	320	8-Φ18	593	960	380	1200	260	950	250	310	220	400	600	530
250WQ600-9-30(4P)	250	250	335	375	12-Φ18	665	1020	434	1250	300	1030	260	330	240	410	615	570
300WQ800-7-30(4P)	300	300	395	440	12-Φ18	750	1070	455	1300	350	1040	270	330	240	410	620	570
150WQ160-45-37(4P)	150	150	225	265	28-Φ18	463	972	390	1185	230	810	240	270	230	360	495	500
200WQ350-25-37(4P)	200	200	280	320	8-Φ18	593	960	380	1170	260	950	250	310	220	400	600	530
250WQ600-12-37(4P)	250	250	335	375	12-Φ18	665	1020	434	1230	300	1000	260	330	240	410	615	570
300WQ900-8-37(4P)	300	300	395	440	12-Φ22	750	1070	455	1280	350	1040	270	330	240	410	620	570
200WQ380-28-45(4P)	200	200	280	320	8-Φ18	560	1045	412	1250	260	950	250	310	220	400	600	530
250WQ600-15-45(4P)	250	250	335	375	12-Φ18	665	1065	434	1230	300	1000	260	330	240	410	615	570
300WQ800-12-45(4P)	300	300	395	440	12-Φ22	750	1110	455	1350	350	1040	270	330	240	410	620	570

NO.1805030

Standard Centrifugal Pumps



Application

- Circulation and transfer of clean, chemically non-aggressive water and other liquids
- Water supply & irrigation
- Water circulation in air conditioning systems

Operating conditions

- Delivery: up to 220 m³/h
- Head: up to 95 m
- Liquid temperature: Standard: -10°C to 85°C
- Maximum operating pressure: 12 bar (PN12) Anti-clockwise rotation when facing pump's suction port
- Impeller: AISI304/ HT200
- Mechanical seal in compliance with DIN 24960
- Lubricated by internal recirculating pumped liquid
- Counter flange available on request

Motor

- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI2- 3 (IEC 34.1)
- Max. ambient temperature: +40°C
- Overload protection

Construction Features

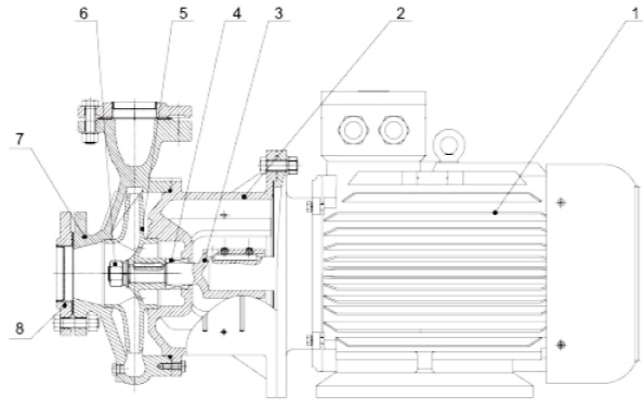
- Single-impeller centrifugal pump featuring axial intake and radial discharge
- Inlet and outlet DN in compliance with EN 733 (ex DIN 24255) and UNI 7467
- Flanges in compliance with UNI 2236 and DIN 2532 Rear entry (impeller, motor can be extracted without disconnecting the pump body from the pipes)

Accessories on Request

- Galvanised iron threaded counter flanges
- Flanged tapered coupling
- Pump and motor sealing gasket

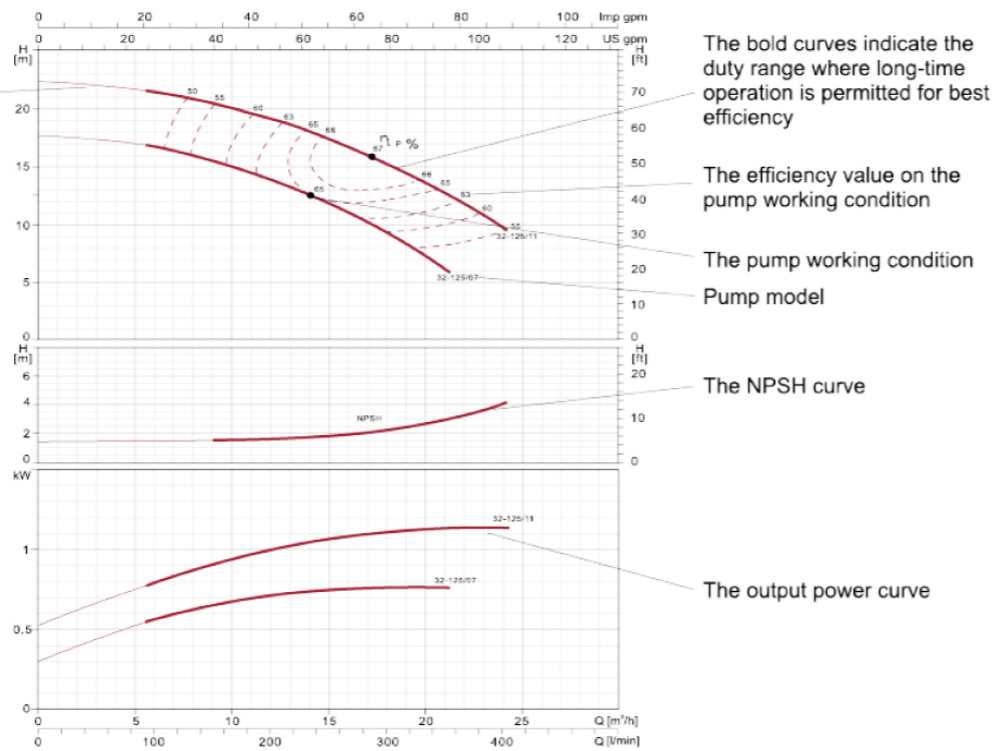
Materials Table

No.	Part	Material
1	Motor	
2	Support	HT 200
3	Pump shaft	Steel/AISI 304
4	Mechanical seal	Carbon/Silicon carbide
5	Impeller	HT 200/Stainless Steel
6	Nut	AISI 304
7	Pump body	HT 200
8	Flange	HT 200



How to Read The Curve Charts

The thin curves indicate the duty range where long-time operation is not allowed



The bold curves indicate the duty range where long-time operation is permitted for best efficiency

The efficiency value on the pump working condition

The pump working condition

Pump model

The NPSH curve

The output power curve

Guidelines to Performance Curves

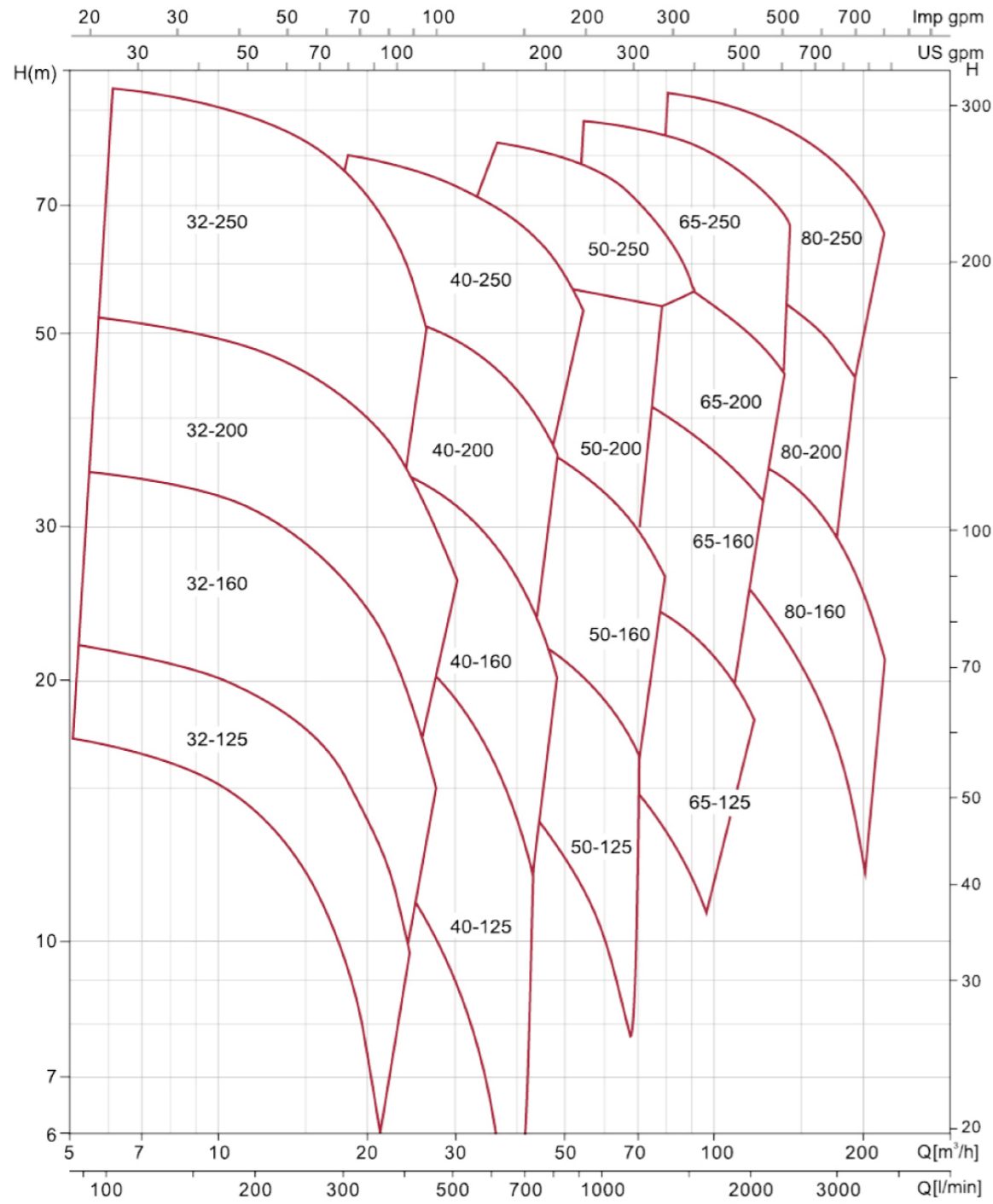
Tolerances to ISO 9906, Annex A.
 Measurements have been made with airless water at a temperature of 20°C and kinematic viscosity of 1mm²/s.
 To avoid overheating of the motor, the pump should not be use against a high head for a long time.

Technical Data

			l/min																					
	kW	HP	0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500			
			m³/h	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210			
32-125/7*	0.75	1		17.5	16.7	15	12	9																
32-125/11*	1.1	1.5		22	21	20.2	17	15	9															
32-160/15*	1.5	2		24	23.7	22.5	19.5	16.2																
32-160/22*	2.2	3		31	29.6	29	25.5	22.5	15															
32-160/30*	3	4		34.5	33.5	33	29	26.5	20	16.5														
32-200/30*	3	4		43.2	42	40.5	35.2	32.2	24.6	19.8														
32-200/40*	4	5.5		52	50.5	50	45	41.9	35	30.3														
32-250/55*	5.5	7.5		79	74.7	71.8	63	56	37.5															
32-250/75*	7.5	10		95	92	89	82	75	57.8															
40-125/11	1.1	1.5		14.7			13	11.5	10.1															
40-125/15	1.5	2		18.1			17	15	13.9															
40-125/22	2.2	3		24.5			23.2	21.5	20.2	16	12													
40-160/30	3	4		31.8			29	27.5	26.3	21.5	17.5													
40-160/40	4	5.5		38			36	34	33	28.5	25	20.1												
40-200/55*	5.5	7.5		44			42	40	38	32	27													
40-200/75*	7.5	10		55			52	49	48	42	37	32												
40-250/92*	9.2	12.5		64			59	56.5	55	49.5	45	39.8												
40-250/110*	11	15		72			67.5	65	63.5	57.5	52.2	47												
40-250/150*	15	20		82			79	77.3	76.5	71	66	60.5												
50-125/22	2.2	3		17						15.4	14	12.8	11.5											
50-125/30	3	4		20						18.8	18	17	15.6											
50-125/40	4	5.5		24						23.1	22.6	21.5	20.3	15.8										
50-160/55	5.5	7.5		32						30.6	30	28	26.6	20.5										
50-160/75	7.5	10		40						38	37	36	34.4	29										
50-200/92*	9.2	12.5		50.5						46.8	45	43	40.9	32.5										
50-200/110*	11	15		57.5						53.5	52	50	47.5	40										
50-250/150*	15	20		68.5						64	63	61.5	59	50	41									
50-250/185*	18.5	25		77						73.2	72	70	68	60.5	51.5									
50-250/220*	22	30		86.3						83	81.5	80	78	70	61									
65-125/40	4	5.5		19								17.3	16.8	14.5	13	11.8								
65-125/55	5.5	7.5		23								21.3	20.9	19	17.5	16.7	13.7							
65-125/75	7.5	10		27								26	25.6	24.5	23	22.5	20	18						
65-160/92	9.2	12.5		33									31.5	30	28	27.1	24	21.5						
65-160/110	11	15		36									34.5	33	31.5	30.8	28	25.5						
65-160/150	15	20		42									41	40	38.5	37.8	35	33						
65-200/150	15	20		45.5									46	43.5	41	39.2	33							
65-200/185	18.5	25		53									53.5	51.2	48.3	47	41.5							
65-200/220	22	30		59									59.5	57.2	54	53	47	43.5						
65-200K/185	18.5	25		41.2										42	41.2	40.6	38.2	36.5	34					
65-200K/220	22	30		48												48	47.5	46	44	41				
65-200K/300	30	40		59.5												59	58.5	58	56.2	54				
65-250/220	22	30		62												61.5	58.2	56.5	54	49	45			
65-250/300	30	40		76												75	73	70	69	64	61	54		
65-250/370	37	50		90												88	86	84	82	78	74	68		
80-160/110	11	15		27														27.3	26	24.5	22.5	16		
80-160/150	15	20		32.8														32.5	31.3	30.2	28	22.1	16.7	
80-160/185	18.5	25		39														38	36.8	35.7	33.8	28.8	23.5	
80-200/220	22	30		48														47.5	46	43.5	41	32.5		
80-200/300	30	40		60														59.5	58	57	54.5	47		
80-250/370	37	50		71.5														70.5	67.5	65.5	61.5	49.5	38	
80-250/450	45	61		82														80.5	78.5	76.5	72	62	51	
80-250/550	55	75		95														93.5	91.2	89.8	86.8	77.6	68.3	

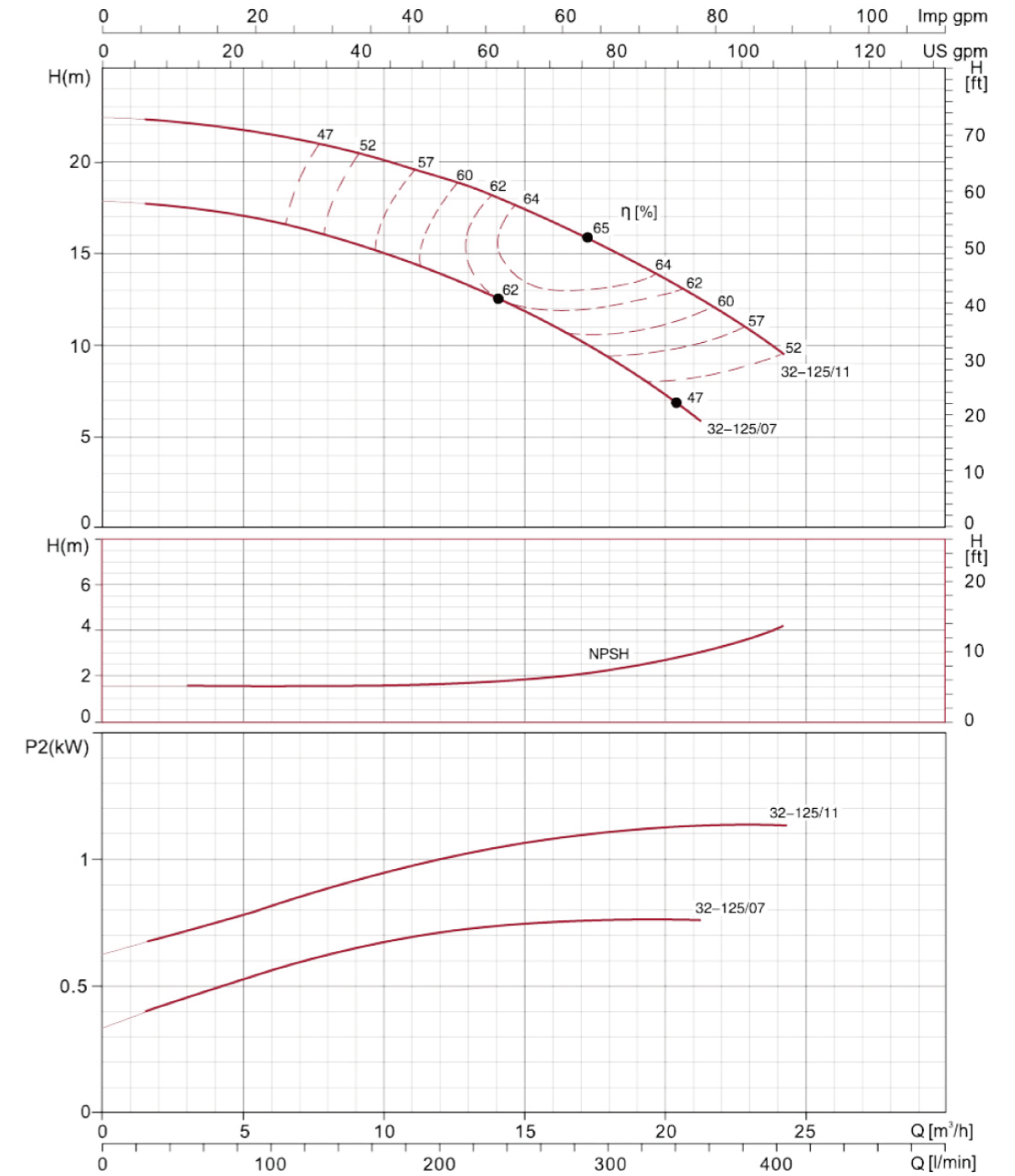
Characteristic Curves

HSC	~2900rpm	ISO 9906 Annex A
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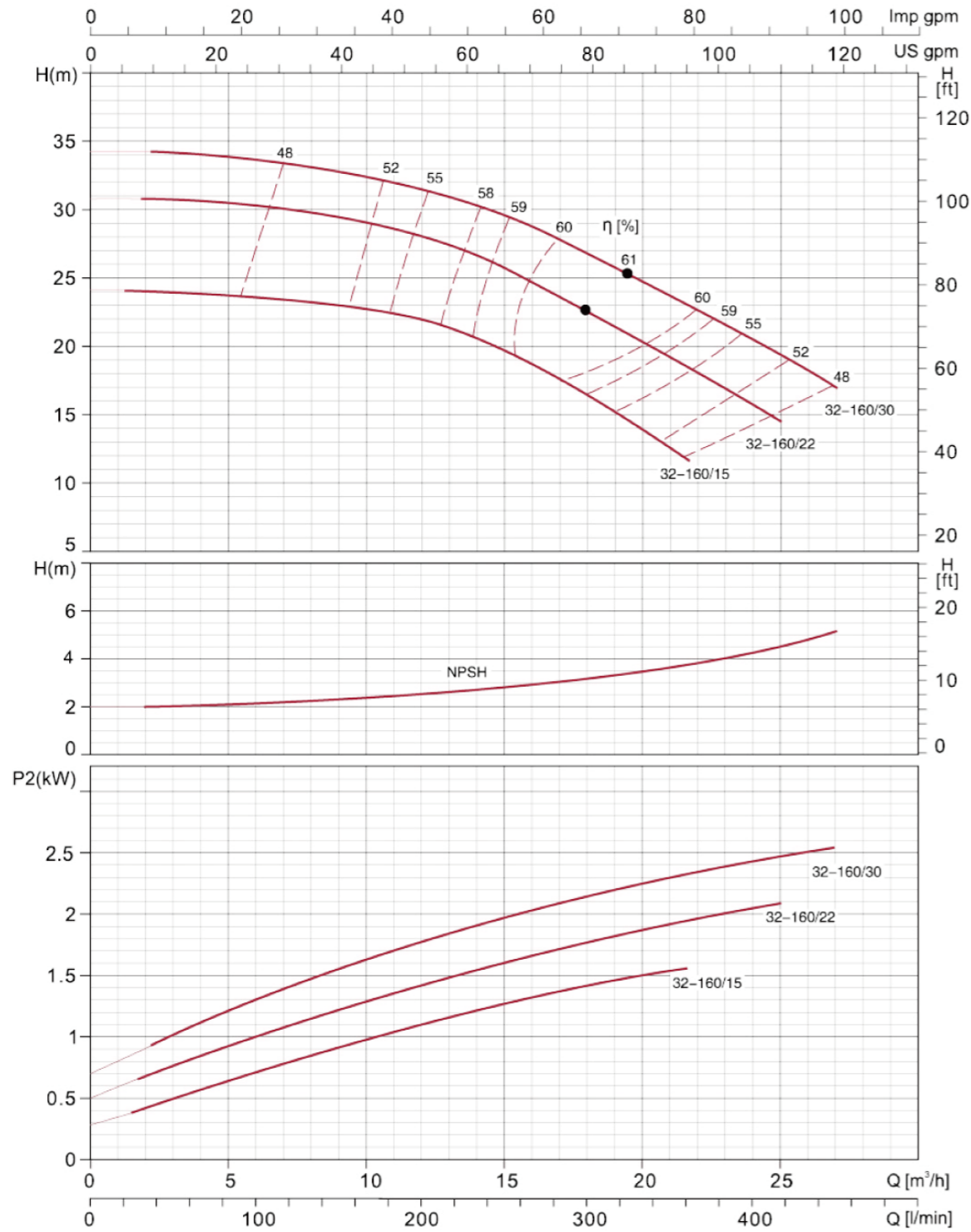
Hydraulic Performance Curves

HSC32-125	~2900rpm	ISO 9906 Annex A
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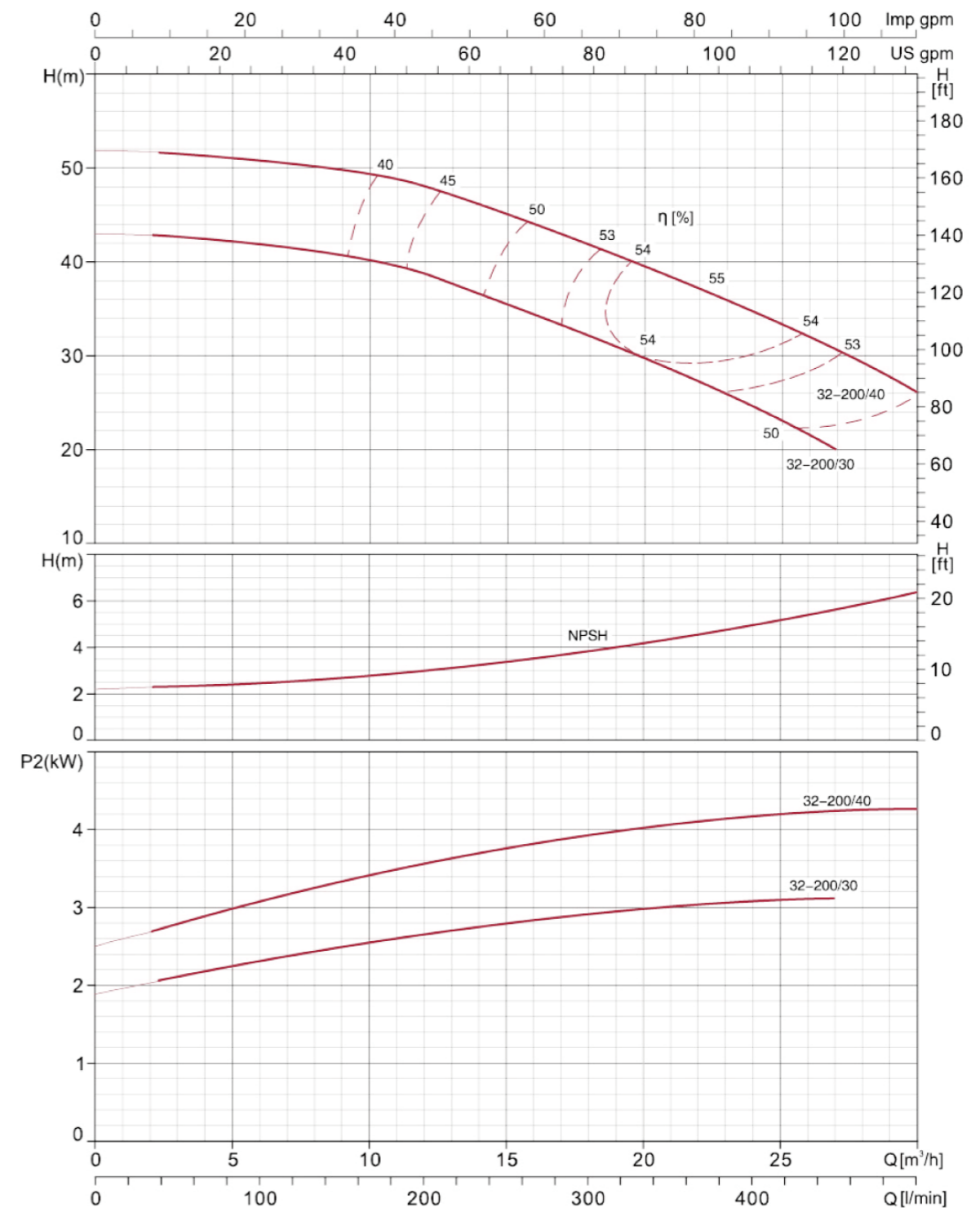
Hydraulic Performance Curves

HSC32-160	~2900rpm	ISO 9906 Annex A
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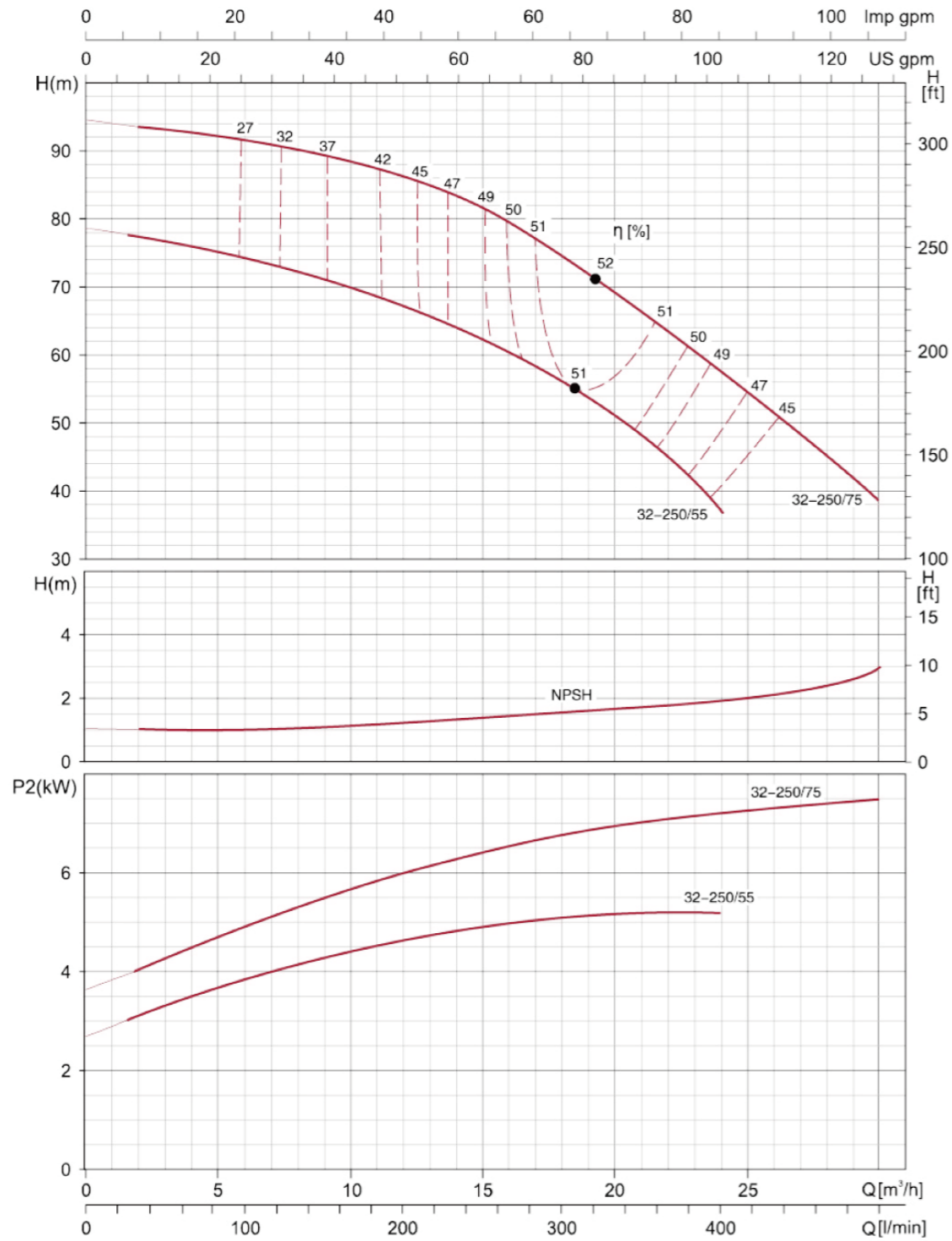
Hydraulic Performance Curves

HSC32-200	~2900rpm	ISO 9906 Annex A
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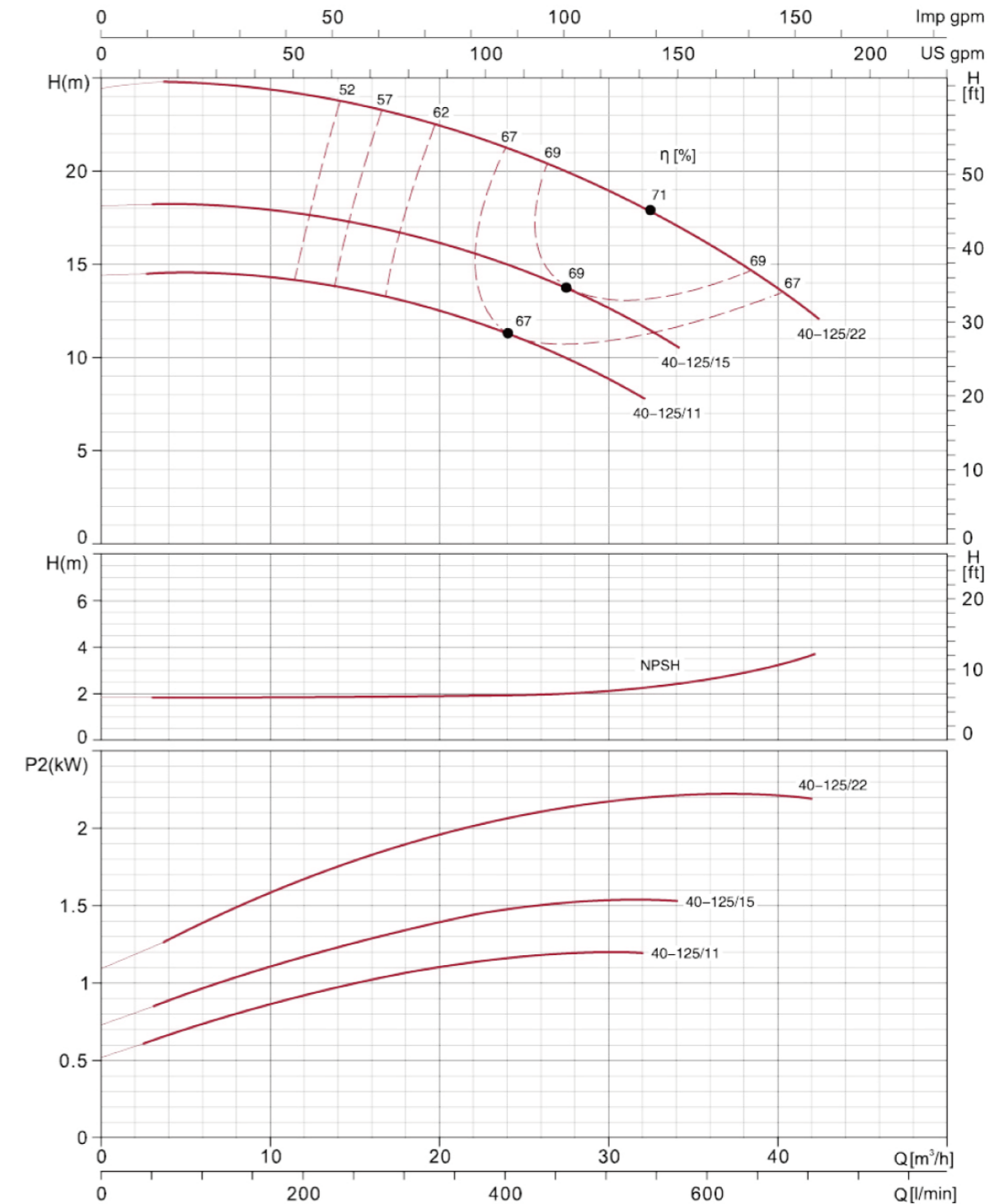
Hydraulic Performance Curves

HSC32-250	~2900rpm	ISO 9906 Annex A
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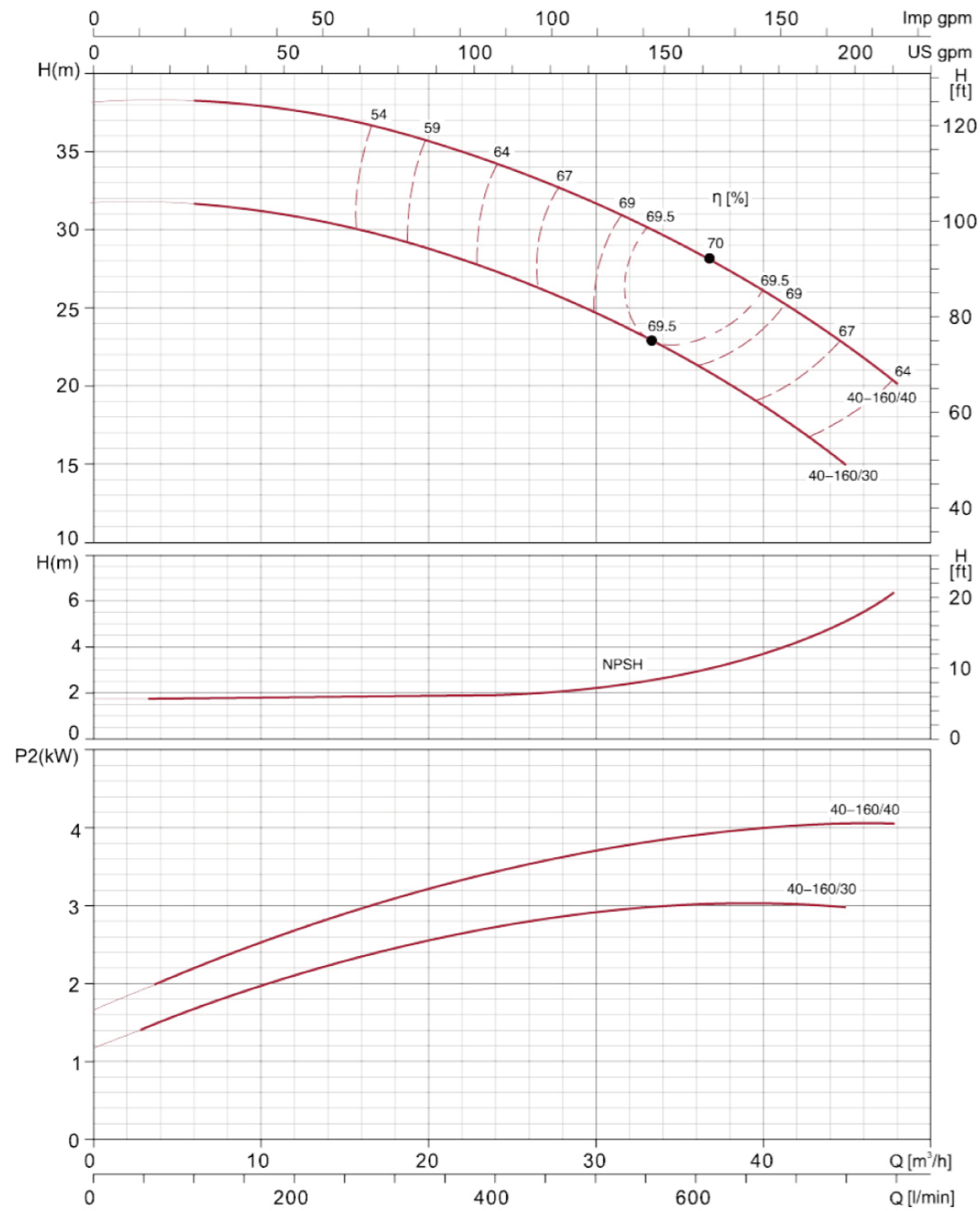
Hydraulic Performance Curves

HSC40-125	~2900rpm	ISO 9906 Annex A
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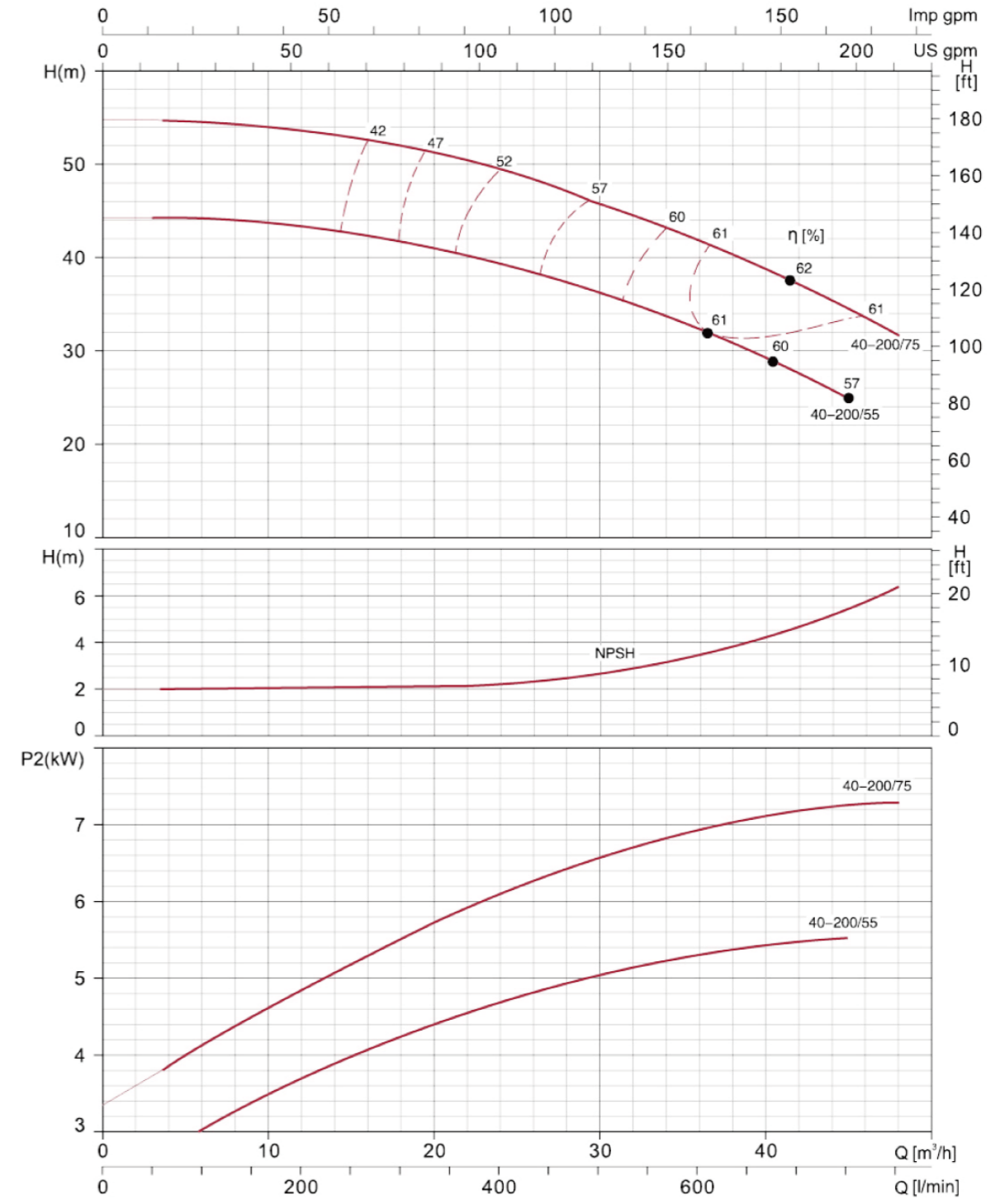
Hydraulic Performance Curves

HSC40-160	~2900rpm	ISO 9906 Annex A
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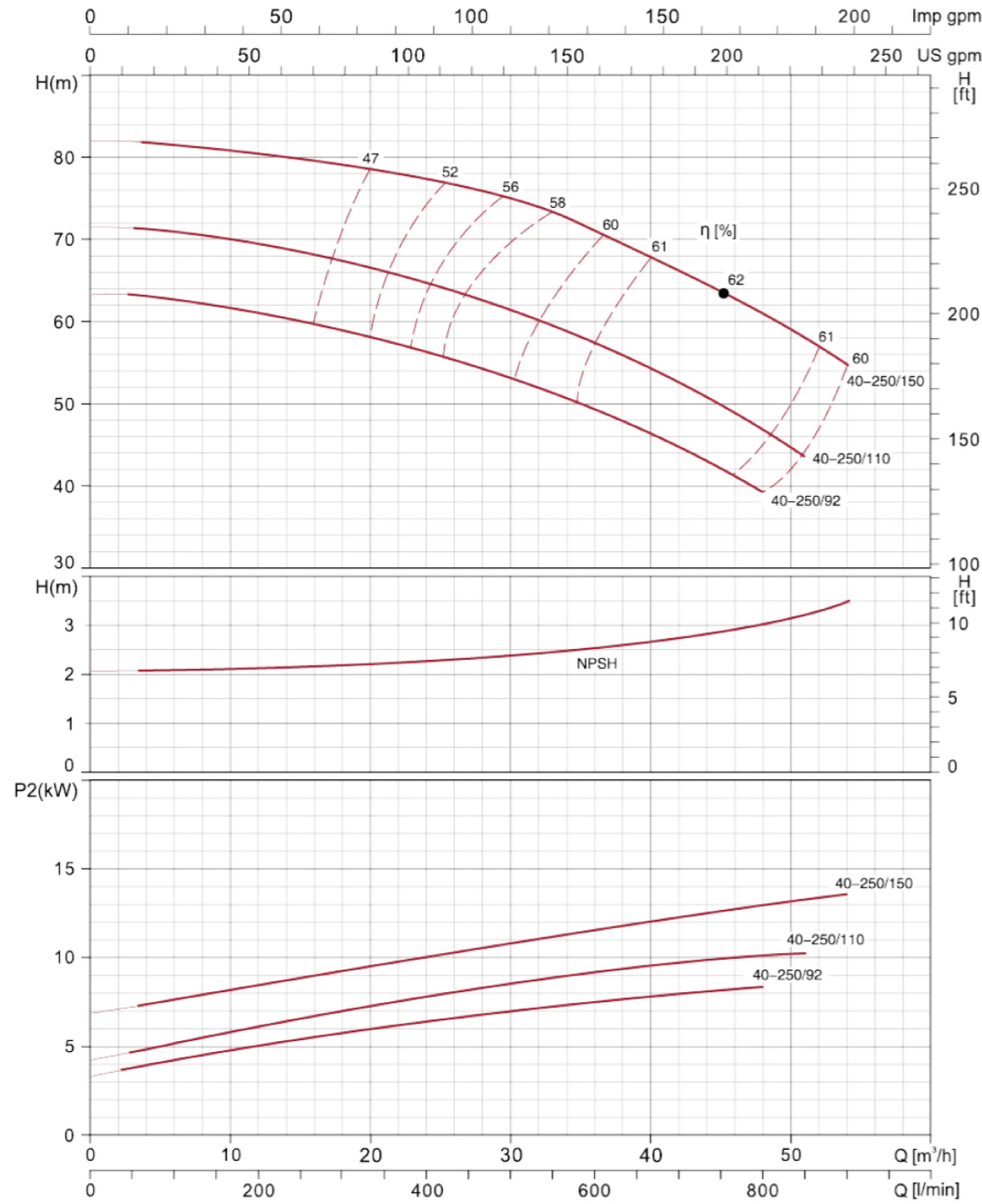
Hydraulic Performance Curves

HSC40-200	~2900rpm	ISO 9906 Annex A
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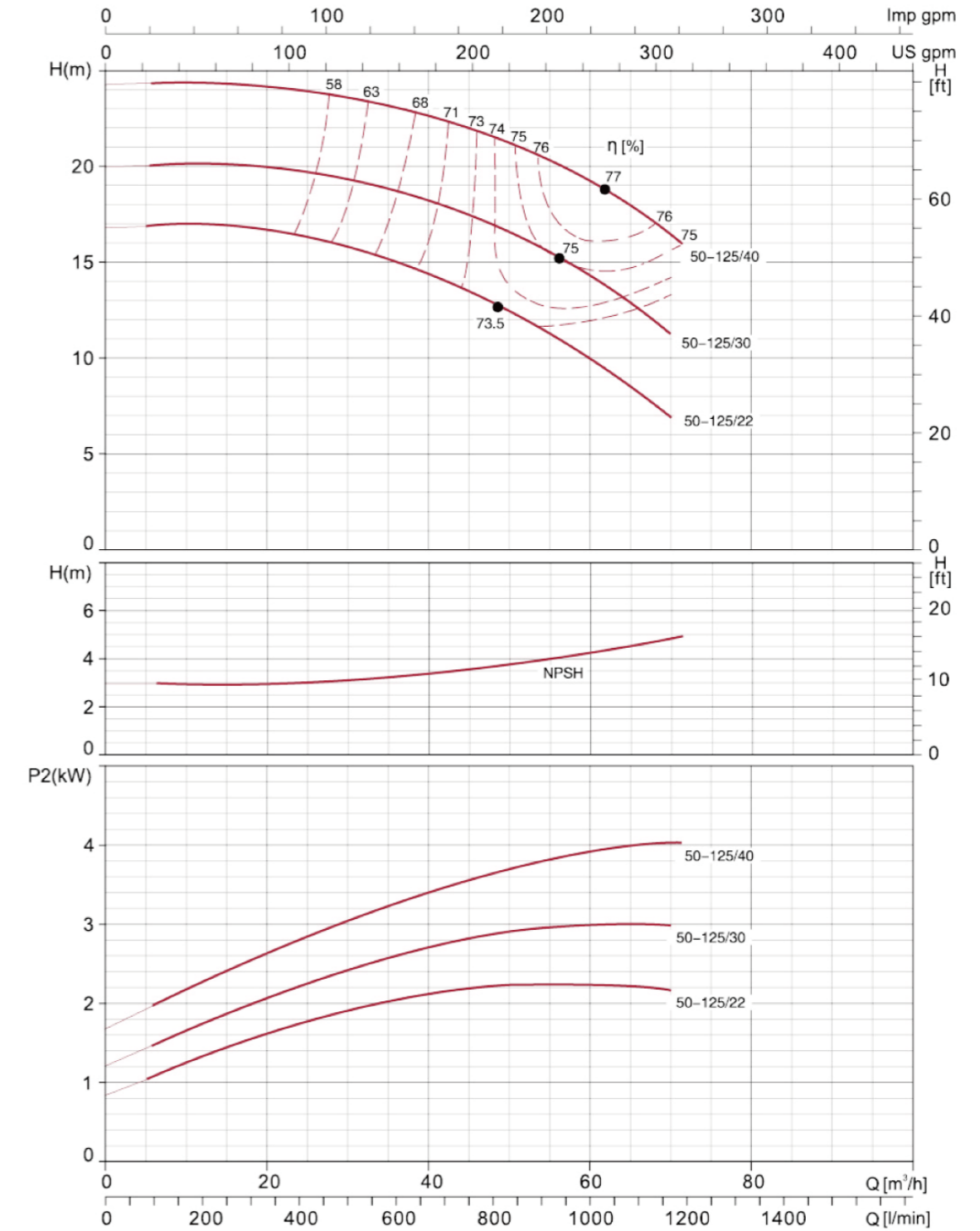
Hydraulic Performance Curves

HSC40-250	~2900rpm	ISO 9906 Annex A
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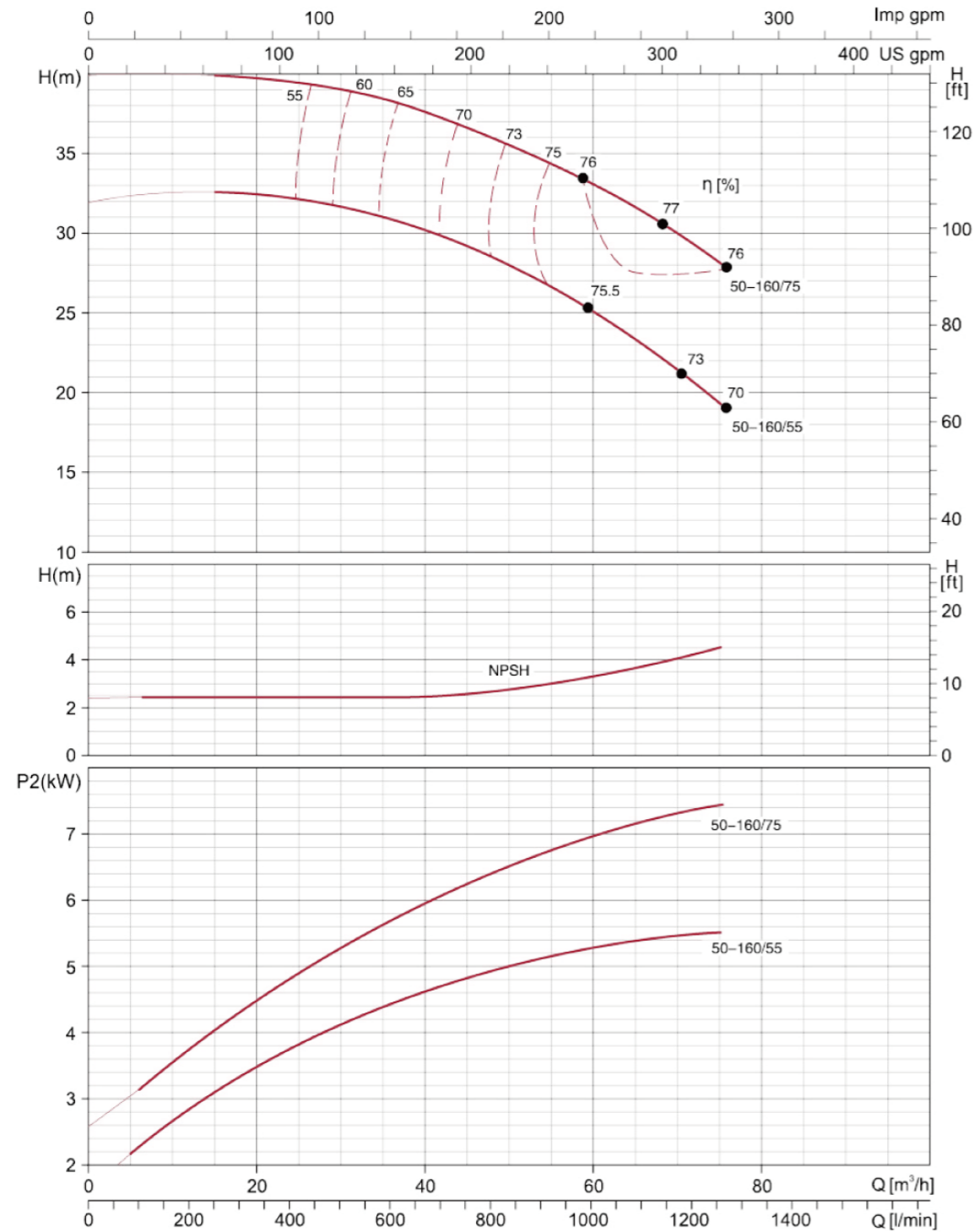
Hydraulic Performance Curves

HSC50-125	~2900rpm	ISO 9906 Annex A
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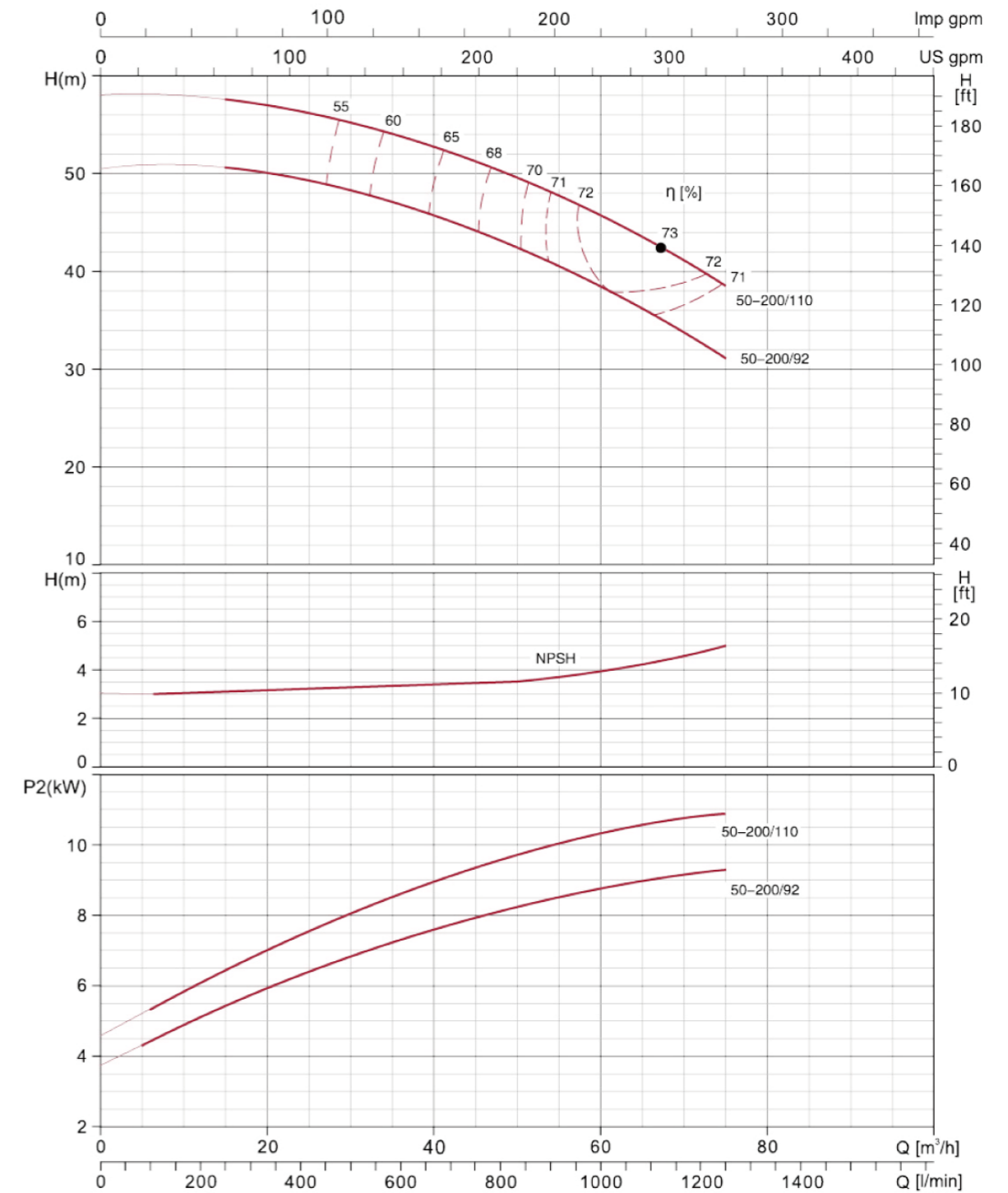
Hydraulic Performance Curves

HSC50-160	~2900rpm	ISO 9906 Annex A
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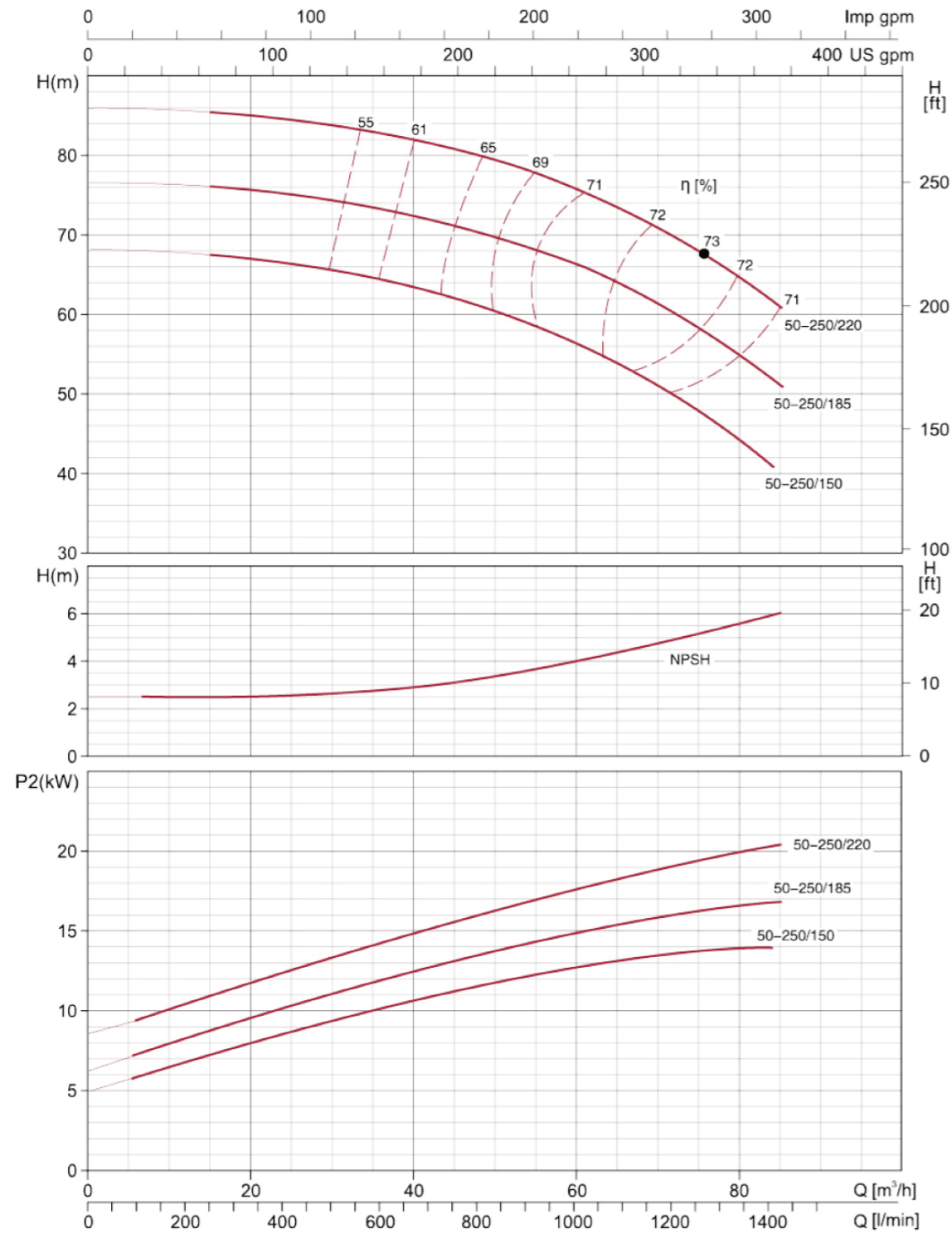
Hydraulic Performance Curves

HSC50-200	~2900rpm	ISO 9906 Annex A
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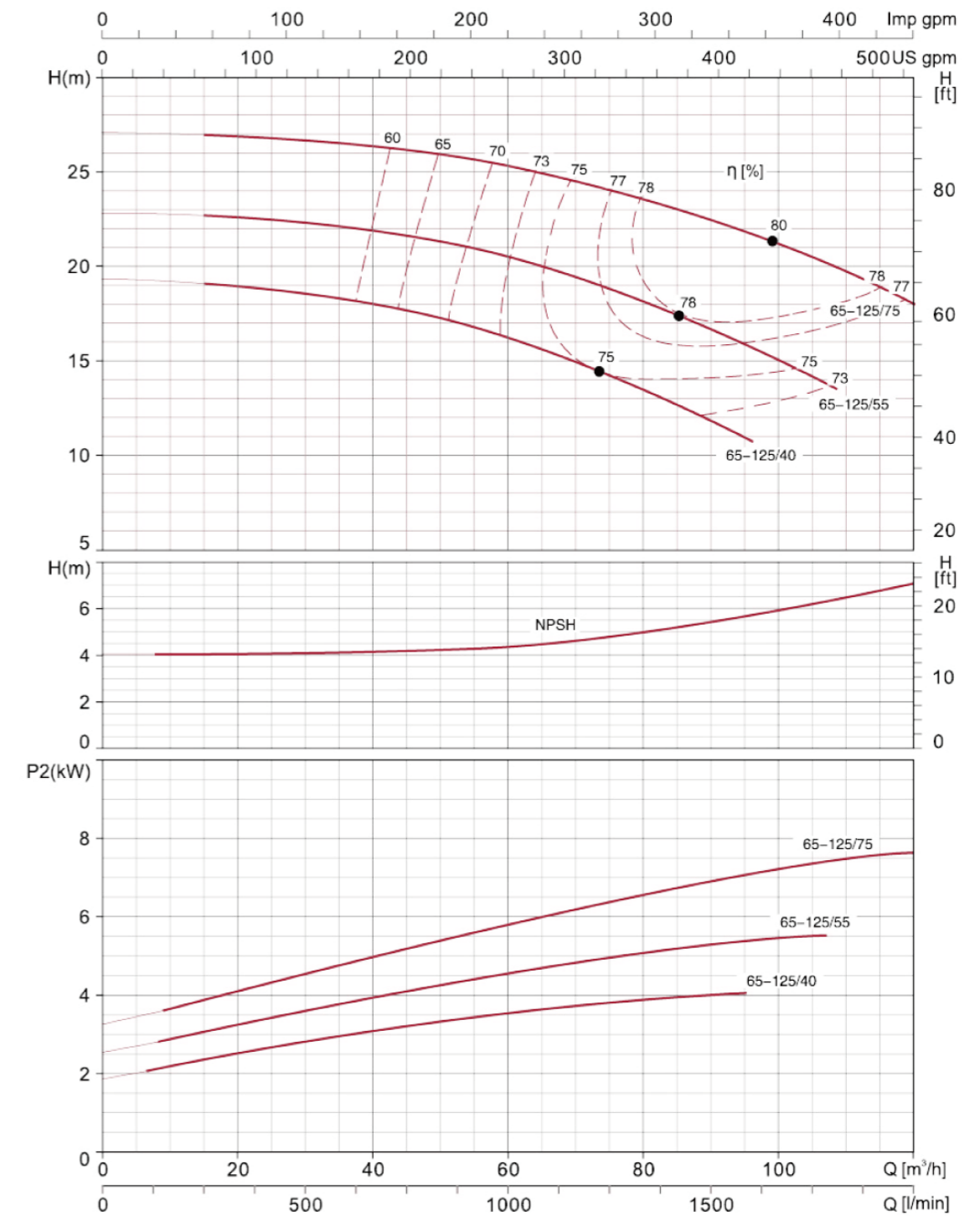
Hydraulic Performance Curves

HSC50-250	~2900rpm	ISO 9906 Annex A
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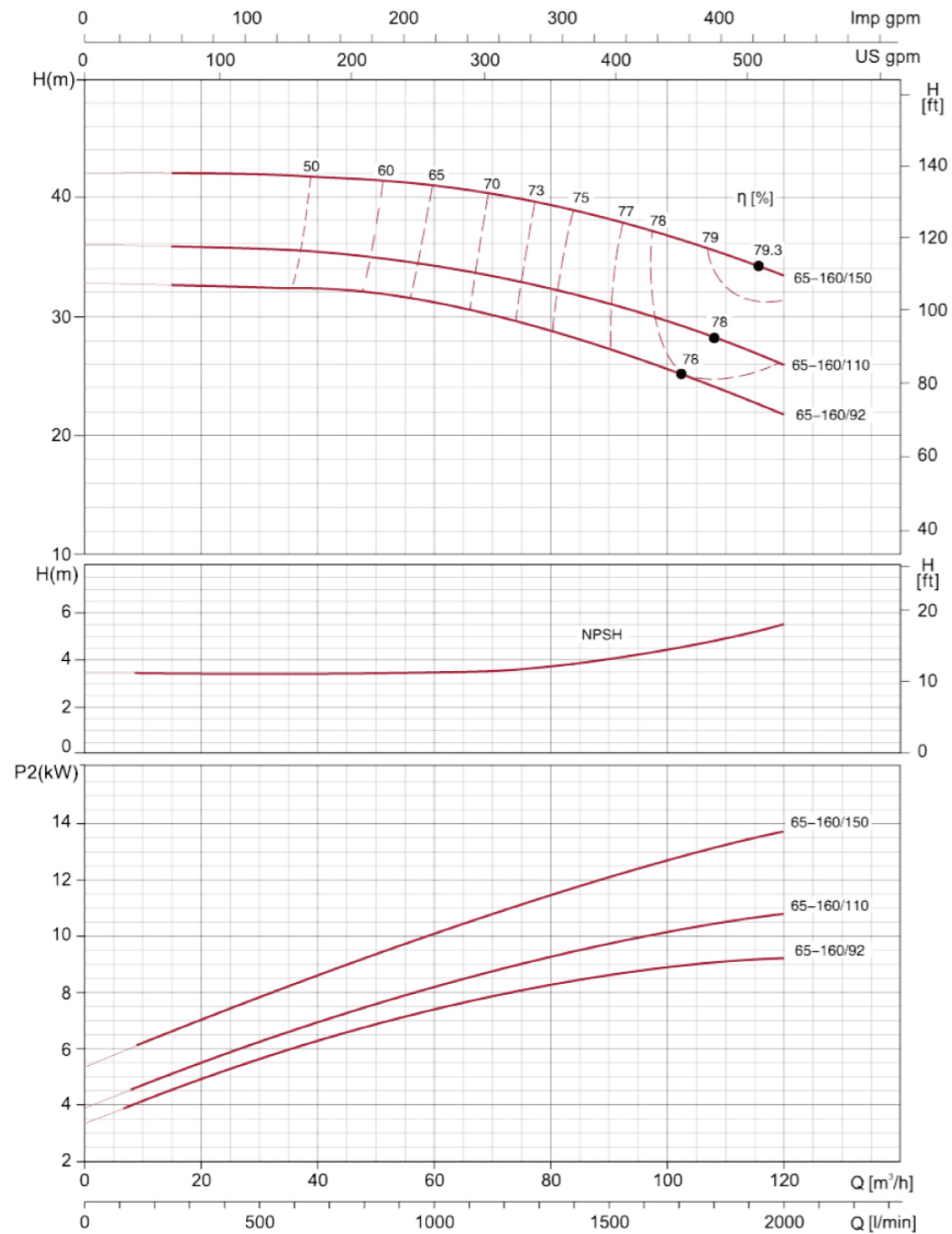
Hydraulic Performance Curves

HSC65-125	~2900rpm	ISO 9906 Annex A
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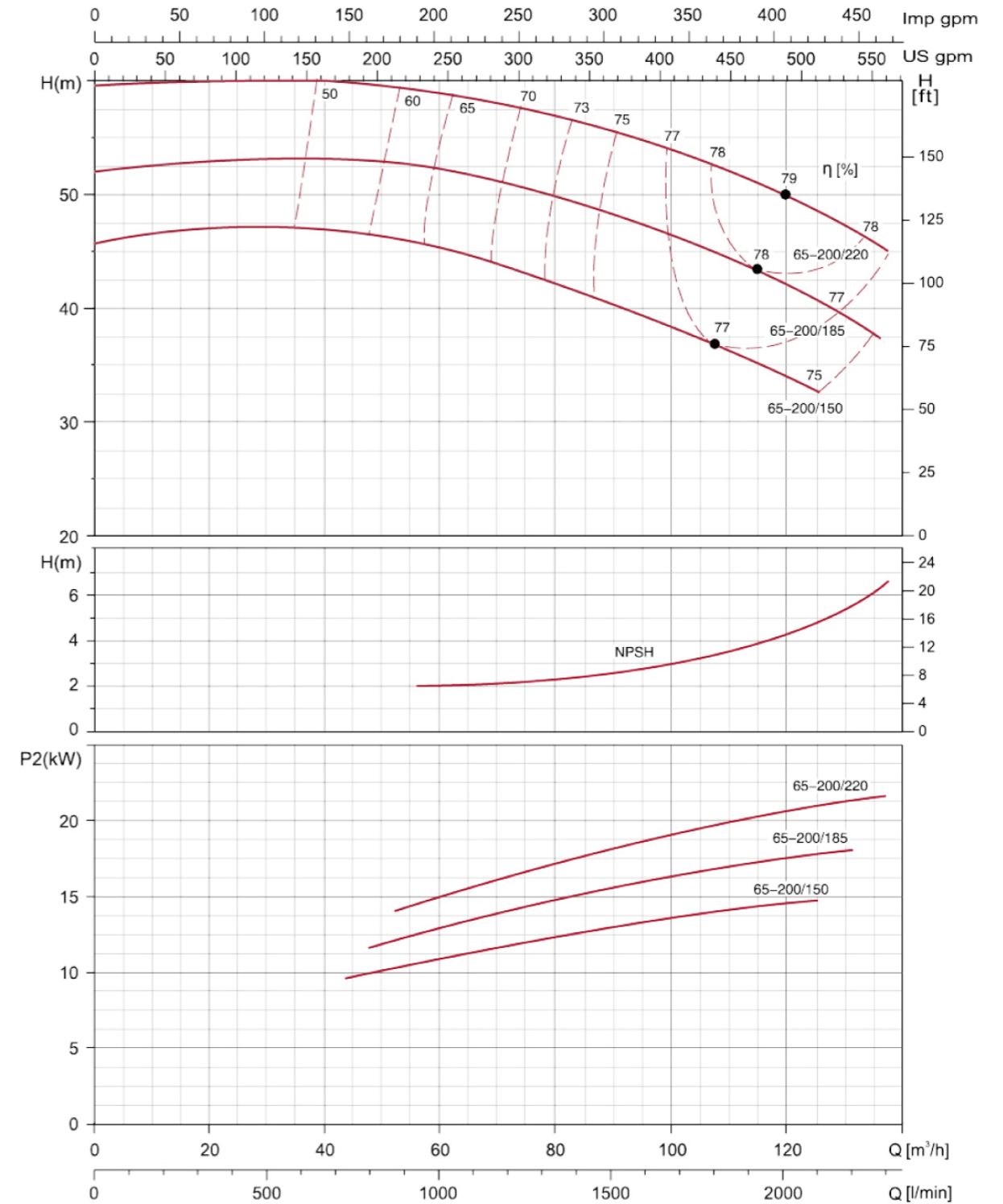
Hydraulic Performance Curves

HSC65-160	~2900rpm	ISO 9906 Annex A
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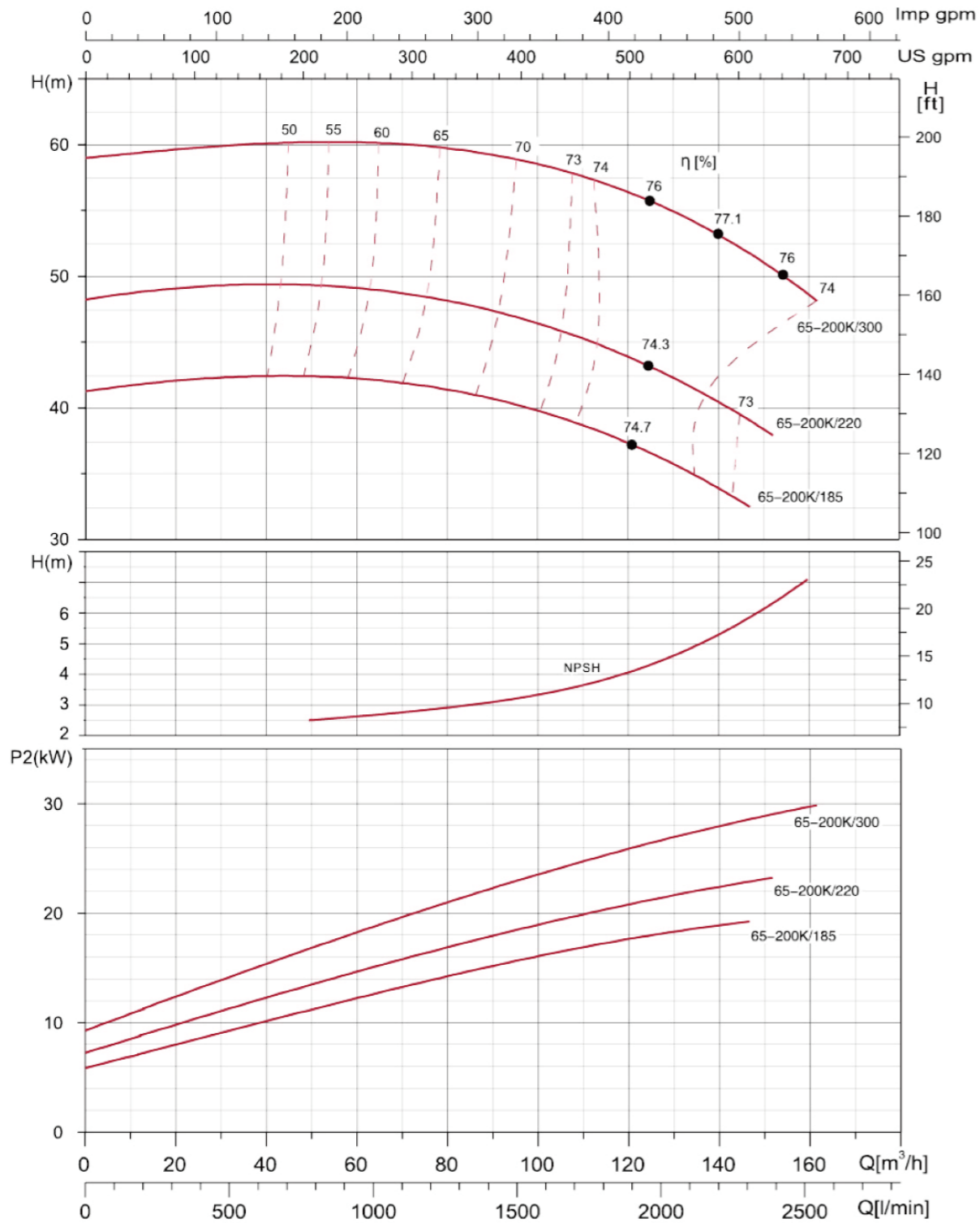
Hydraulic Performance Curves

HSC65-200	~2900rpm	ISO 9906 Annex A
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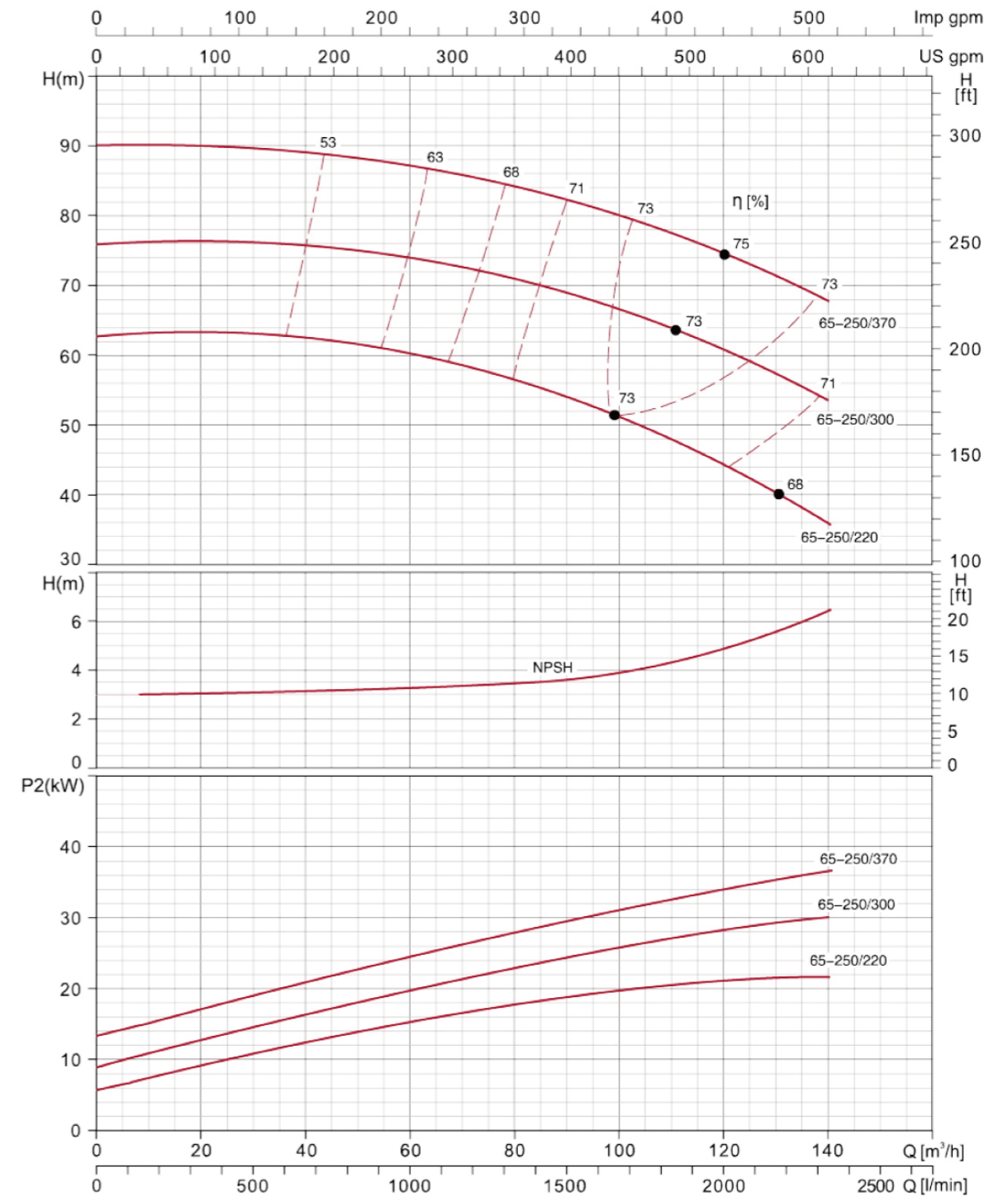
Hydraulic Performance Curves

HSC65-200K	~2900rpm	ISO 9906 Annex A
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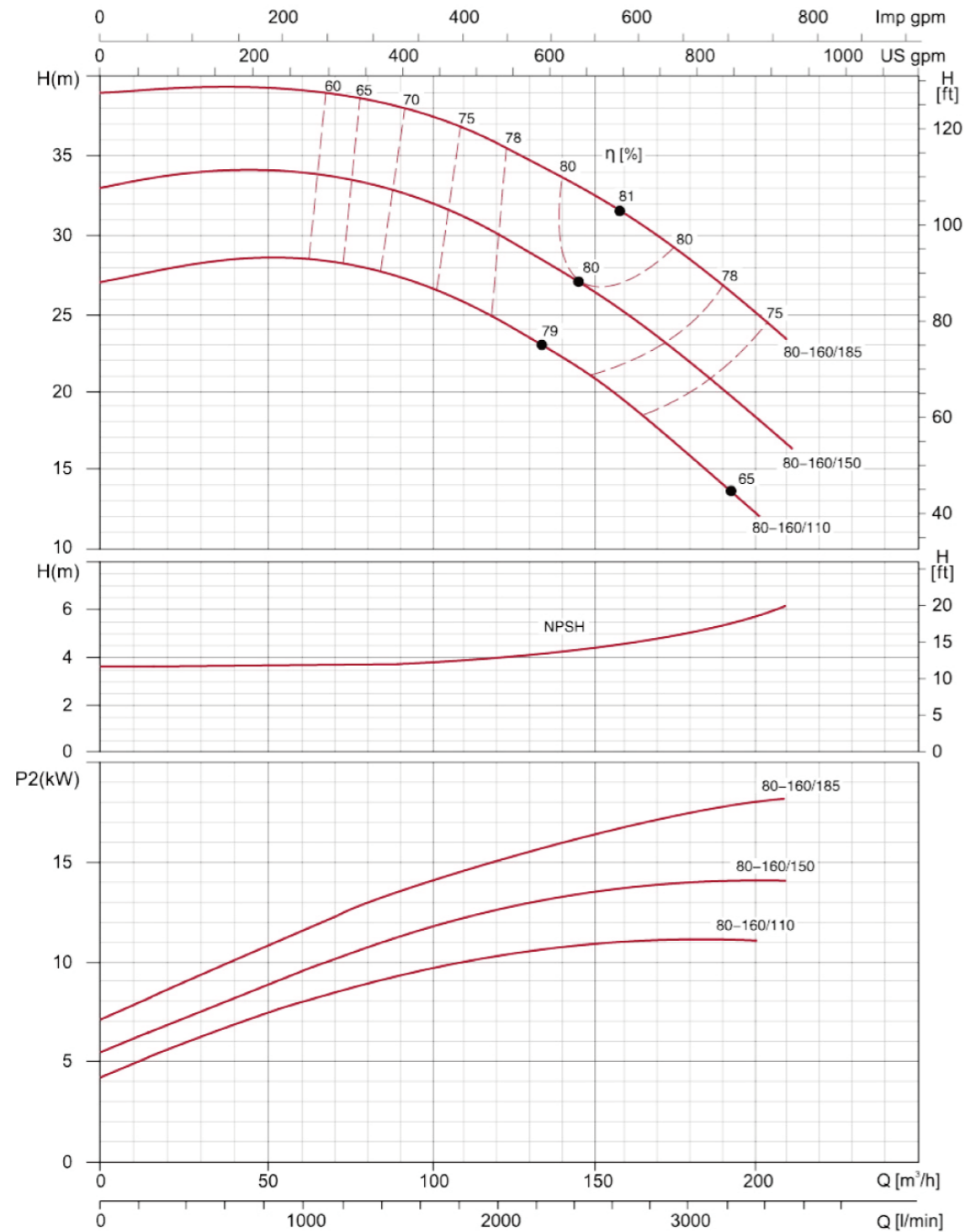
Hydraulic Performance Curves

HSC65-250	~2900rpm	ISO 9906 Annex A
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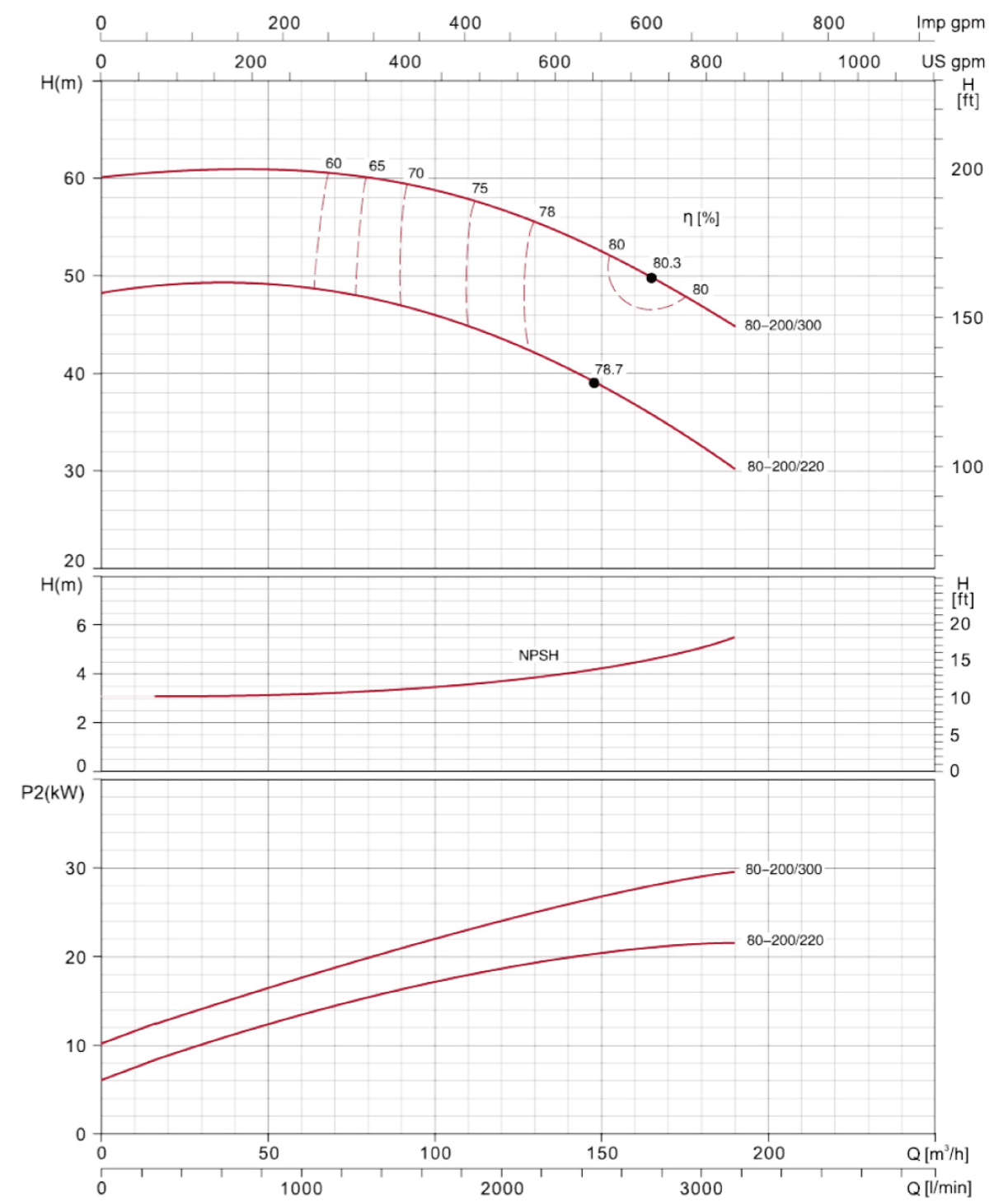
Hydraulic Performance Curves

HSC80-160	~2900rpm	ISO 9906 Annex A
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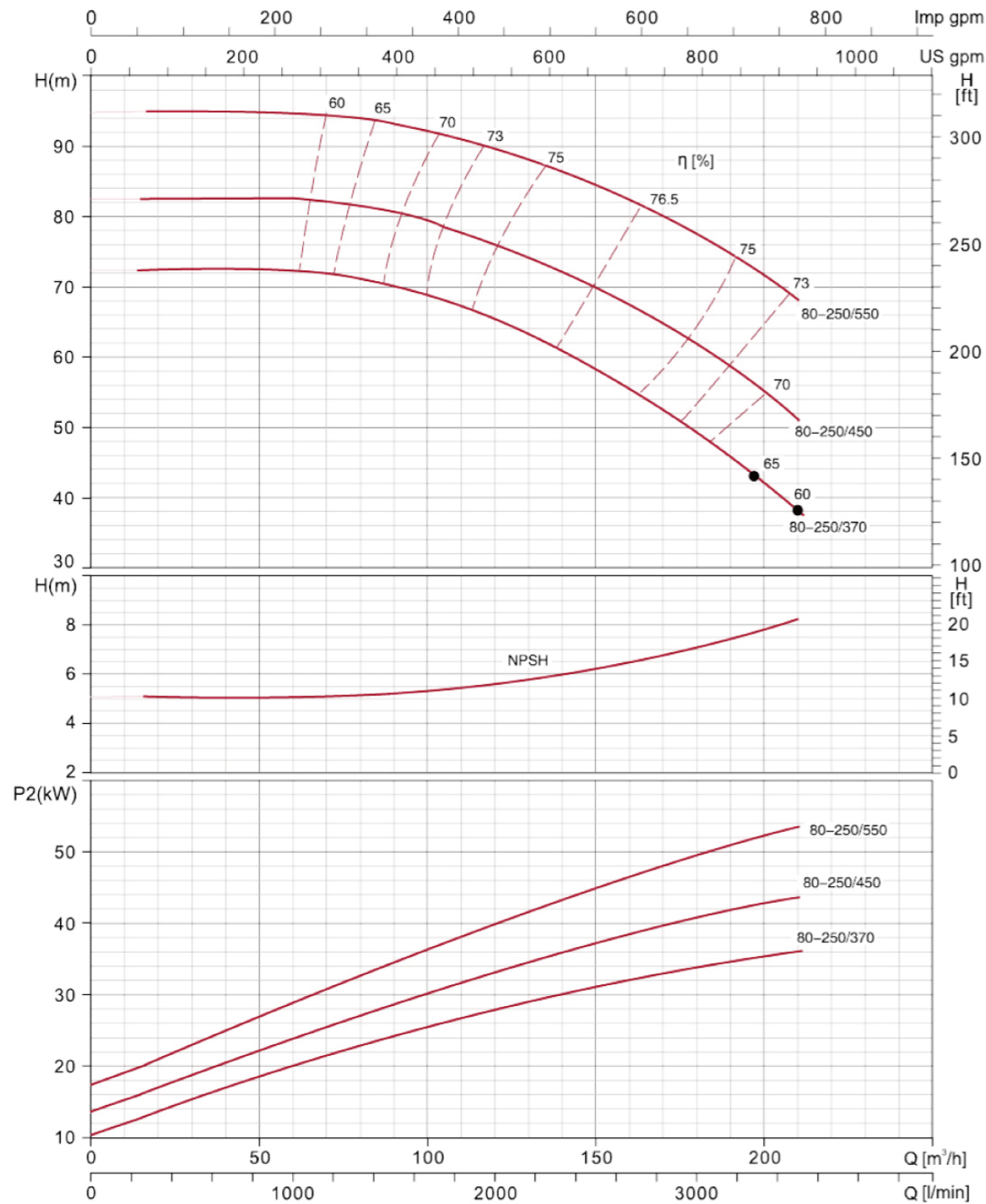
Hydraulic Performance Curves

HSC80-200	~2900rpm	ISO 9906 Annex A
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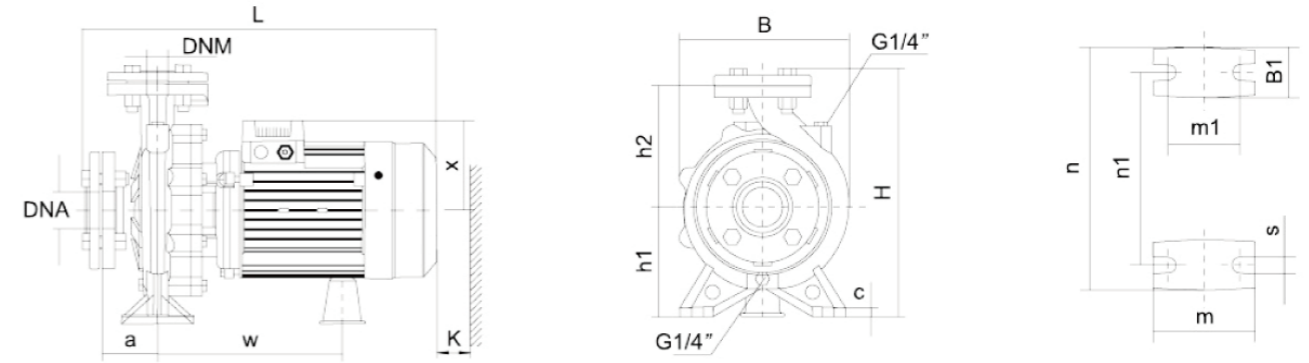
Hydraulic Performance Curves

HSC80-250	~2900rpm	ISO 9906 Annex A
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Installation Sketch

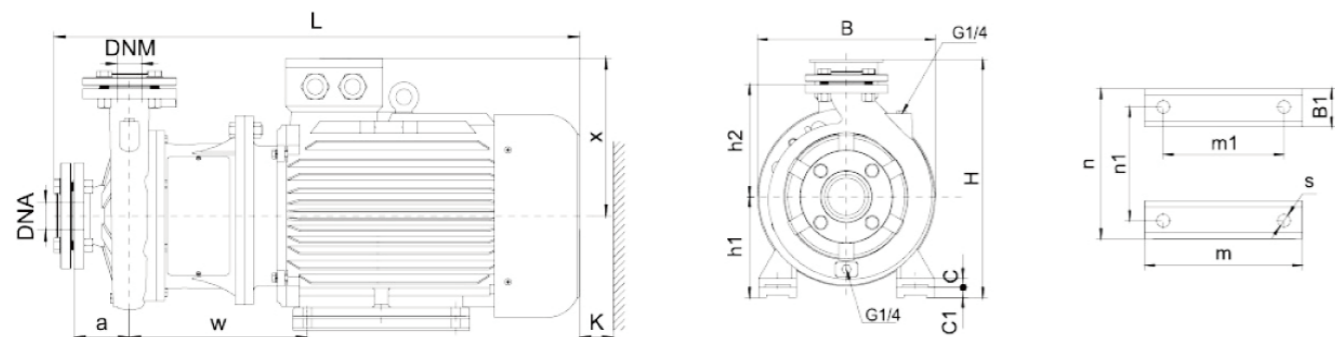
up to 7.5 kW included



	DNM	DNA	a	w	x	h2	B1	c	h1	m	m1	n	n1	s	B	H	L	K
32-125/7	32	50	80	223	113	140	48	12	112	100	70	190	140	15	192	281	427	85
32-125/11																		
32-160/15																		
32-160/22																		
32-160/30																		
32-200/30																		
32-200/40																		
32-250/55	155	264	180	198	60	15	160	272	212	308	386	610	640	60				
32-250/75																		
40-125/11	40	65	80	255	127	140	45	112	100	70	210	160	15	218	282	489	95	
40-125/15																		
40-125/22																		
40-160/30																		
40-160/40	65	259	180	180	12	160	264	212	275	370	553	583	105					
40-200/55																		
40-200/75																		
50-125/22	50	100	262	127	160	50	132	240	190	243	322	518	110					
50-125/30																		
50-125/40																		
50-160/55																		
50-160/75																		
65-125/40	65	80	265	180	180	68	14	125	95	280	212	283	372	564	594			
65-125/55																		
65-125/75																		

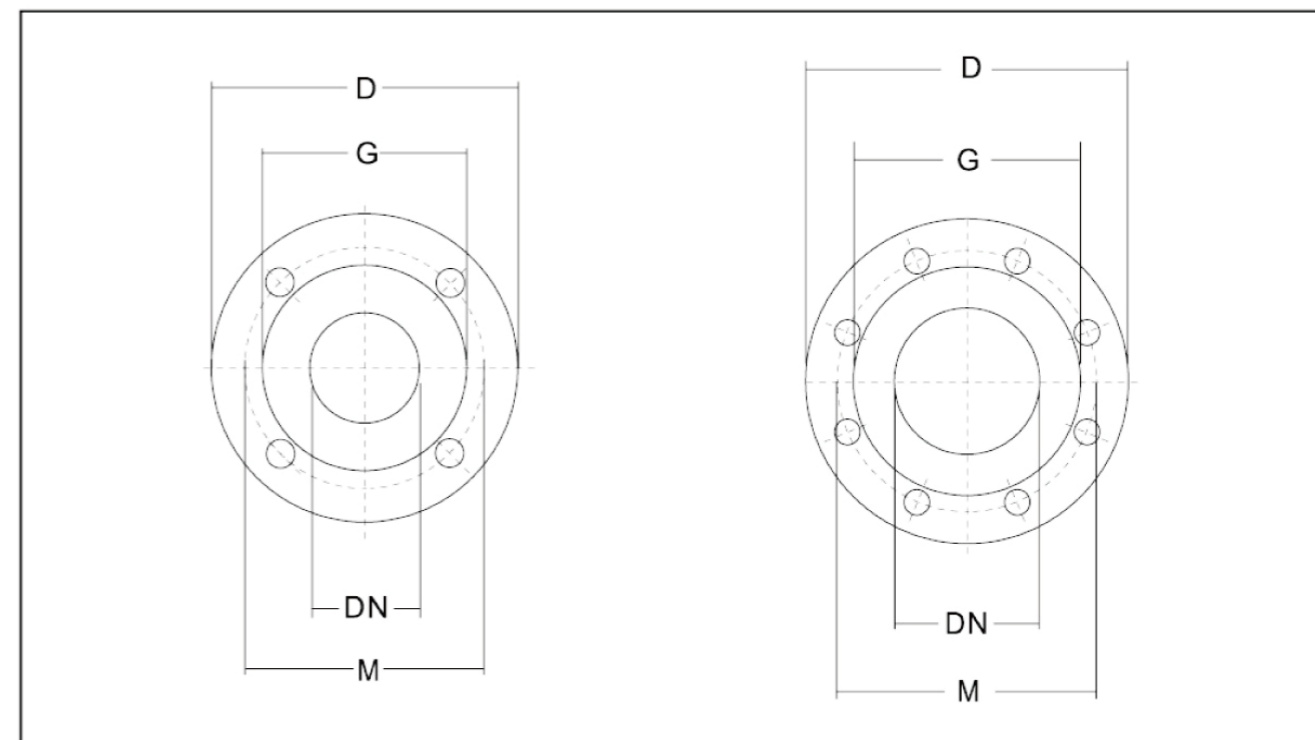
Installation Sketch

From 7.5 kW



	DNM	DNA	a	w	x	h2	B1	C	C1	h1	m	m1	n	n1	s	B	H	L	K																	
40-250/92	40	65	100	310	260	225	65	20	20	180	260	210	320	254	14.5	350	440	845	110																	
40-250/110																																				
40-250/150																																				
50-200/92	50	65	100	310	260	200	65	20	-	160	260	210	320	254	14.5	350	420	845	120																	
50-200/110																																				
50-250/150						20																														
50-250/185						225			180											304	254	895														
50-250/220						70			25											-	311	241	355	279	455	925										
50-250/220						323			275											70	25	-	311	241	355	279	455	925								
65-160/92	65	80	100	310	260	200	65	20	-	160	260	210	320	254	14.5	350	420	845	125																	
65-160/110																																				
65-160/150																																				
65-200/150						20																														
65-200/185						304			254											895																
65-200/220						70			22											-	311	241	355	279	455	925										
65-200K/185						65			20											20	304	254	320	254	440	920										
65-200K/220						22			311											241	355	279	355	455	950											
65-200K/300						25			369											305	395	318	18.5	505	1020											
65-250/220						70			22											311	241	355	279	14.5	455	956										
65-250/300						25			200											369	305	395	318	18.5	400	505	1026									
65-250/370						25			200											369	305	395	318	18.5	400	505	1026									
80-160/110						80			100											125	315	260	225	65	20	-	160	260	210	320	254	14.5	350	420	870	130
80-160/150																																				
80-160/185																																				
80-200/220	22	180	311	241	355		279	355		461	978																									
80-200/300	70	25	200	369	305		395	318		18.5	400	505	1050																							
80-250/370	25	200	369	305	395		318	18.5		400	505	1050																								
80-250/450	75	28	225	404	311		435	356		18.5	450	555	1098																							
80-250/550	80	30	30	280	450		349	490		406	24	550	646	1192																						
80-250/550	80	30	30	280	450		349	490		406	24	550	646	1192																						

Flange Dimensions



PN16 FLANGES

DN	D	M	G	HOLES		MAX. THICKNESS
				N°	•	
32	140	100	78	4	18	18
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20

PN16 FLANGES

DN	D	M	G	HOLES		MAX. THICKNESS
				N°	•	
80	200	160	138	8	18	22
100	220	180	158	8	18	22

NO.1806001

Submersible Borehole Pumps



Application

- For water supply from wells or reservoirs
- For domestic use for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature : + 35°C
- Maximum sand content : 0.3%
- Minimum well diameter : 2"

Motor and pump

- Rewindable motor
- Single-phase : 150V-240V / 50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9001

Internal diameter of outlet

- 1.0"

Warranty : 1 year

- (According to our general sales conditions)

COMPONENTS	MATERIAL
Pump casing	AISI 304SS/201SS
Outlet	Cast-Cu
Inlet	Cast-Cu
Strainer	AISI 304SS/201SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil

NO.1806002

Submersible Borehole Pumps



Application

- For water supply from wells or reservoirs
- For domestic use for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature : + 35°C
- Maximum sand content : 2%
- Minimum well diameter : 3"

Motor and pump

- Rewindable motor
- Single-phase : 150V-240V / 50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9001

Internal diameter of outlet

- 1.0" , 1.25"

Warranty : 1 year

- (According to our general sales conditions)

COMPONENTS	MATERIAL
Pump casing	AISI 304SS/201SS
Outlet	Cast-Cu
Inlet	Cast-Cu
Strainer	AISI 304SS/201SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil

NO.1806003

Submersible Borehole Pumps



Application

- For water supply from wells or reservoirs
- For domestic use for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature : + 35°C
- Maximum sand content : 0.3%
- Minimum well diameter : 2.5"

Motor and pump

- Rewindable motor
- Single-phase : 150V-240V / 50Hz
- Equip with start control box or digital auto-control box
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9001

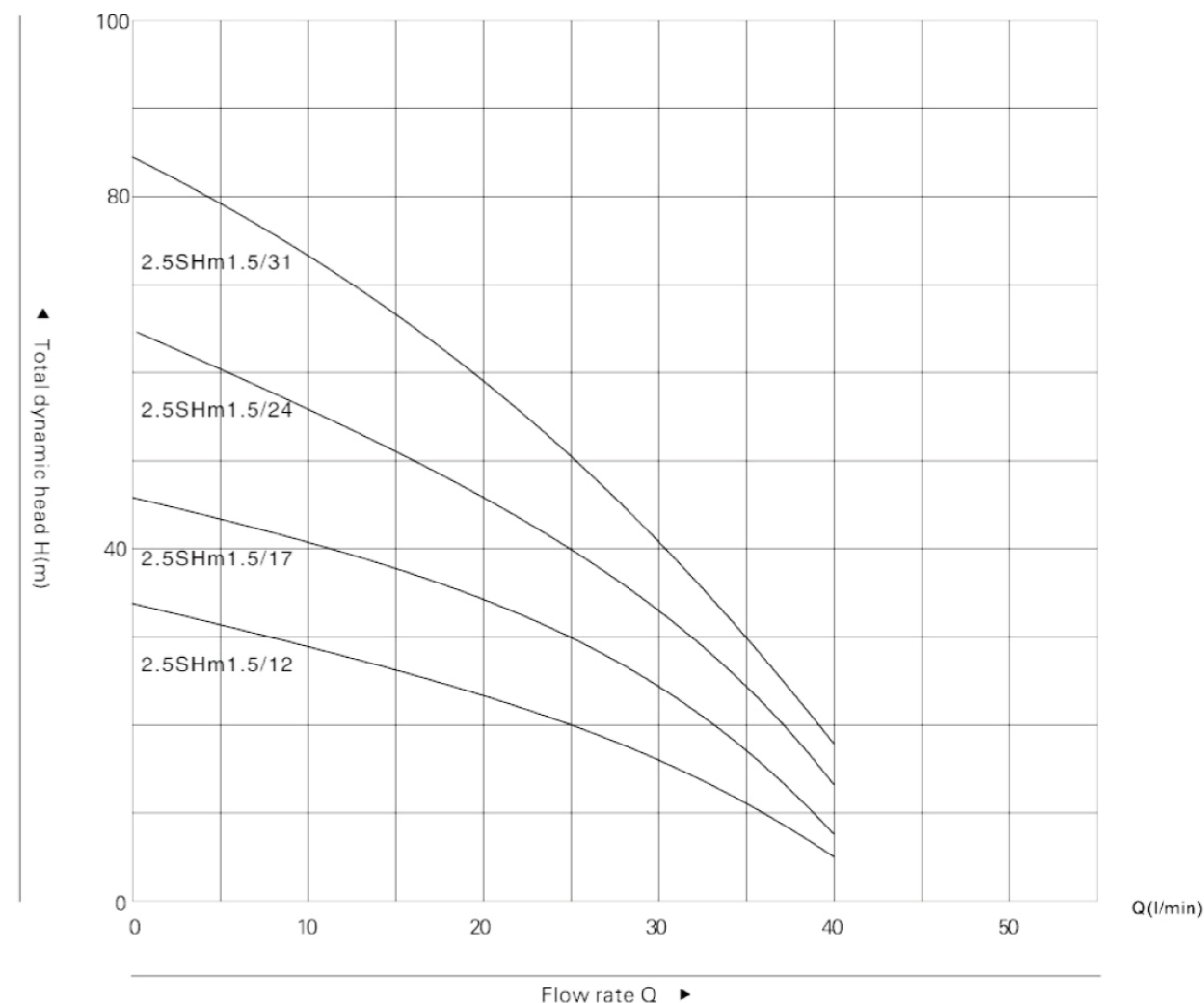
Internal diameter of outlet

- 1.0"

Warranty : 1 year

- (According to our general sales conditions)

COMPONENTS	MATERIAL
Pump casing	AISI 304SS/201SS
Outlet	Cast-Cu
Inlet	Cast-Cu
Strainer	AISI 304SS/201SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil



PERFORMANCE TABLE:

Type	Motor power		Delivery N ≈ 2850 r/min										
	KW	HP	Q m³/h l/min										
1~ 220V-240V			H(m)										
			0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4		
2.5SHm1.5/12	0.18	0.25	33	30	28	26	23	20	17	11	5		
2.5SHm1.5/17	0.25	0.33	46	42	39	37	33	29	24	16	7		
2.5SHm1.5/24	0.37	0.5	65	60	56	52	46	40	33	22	10		
2.5SHm1.5/31	0.55	0.75	84	77	72	67	60	52	43	29	13		

NO.1806004

Submersible Borehole Pumps



Application

- For water supply from wells or reservoirs
- For domestic use for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature : + 35°C
- Maximum sand content : 3%
- Minimum well diameter : 3.5"

Motor and pump

- Rewindable motor
- Three-phase : 350V-415V / 50Hz
- Single-phase : 150V-240V / 50Hz
- Equip with start control box or digital auto-control box

Internal diameter of outlet

- 1.5"

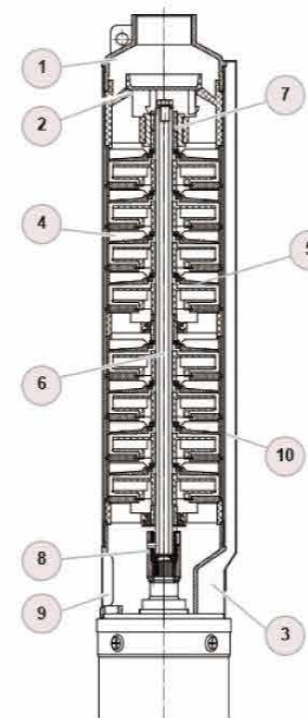
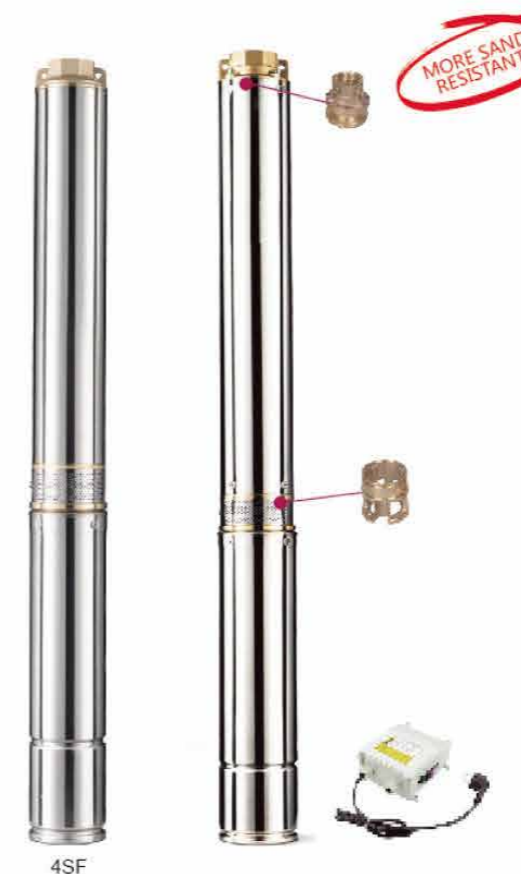
Warranty : 1 year

- (According to our general sales conditions)

COMPONENTS	MATERIAL(SD)
Pump casing	AISI 304SS/201SS
Outlet	Cast-Cu
Inlet	Cast-Cu
Strainer	AISI 304SS/201SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil

NO.1806005

Submersible Borehole Pumps



Application

- Suitable for clean water that contain sand (up to 450g/m)
- For water supply from wells or reservoirs
- For domestic use and industrial applications
- For garden use and irrigation

General Features

- Capacity up to 24m³/h, Head up to 527m
- Rated motor power up to 7.5 Kw(10HP)
- NEMA standard Oil-filled Rewindable motor suitable for variable speed control
- Protection :IP 68
- Insulation: class F
- Outlet size: 1 1/4", 1 1/2", 2"

Operating Conditions

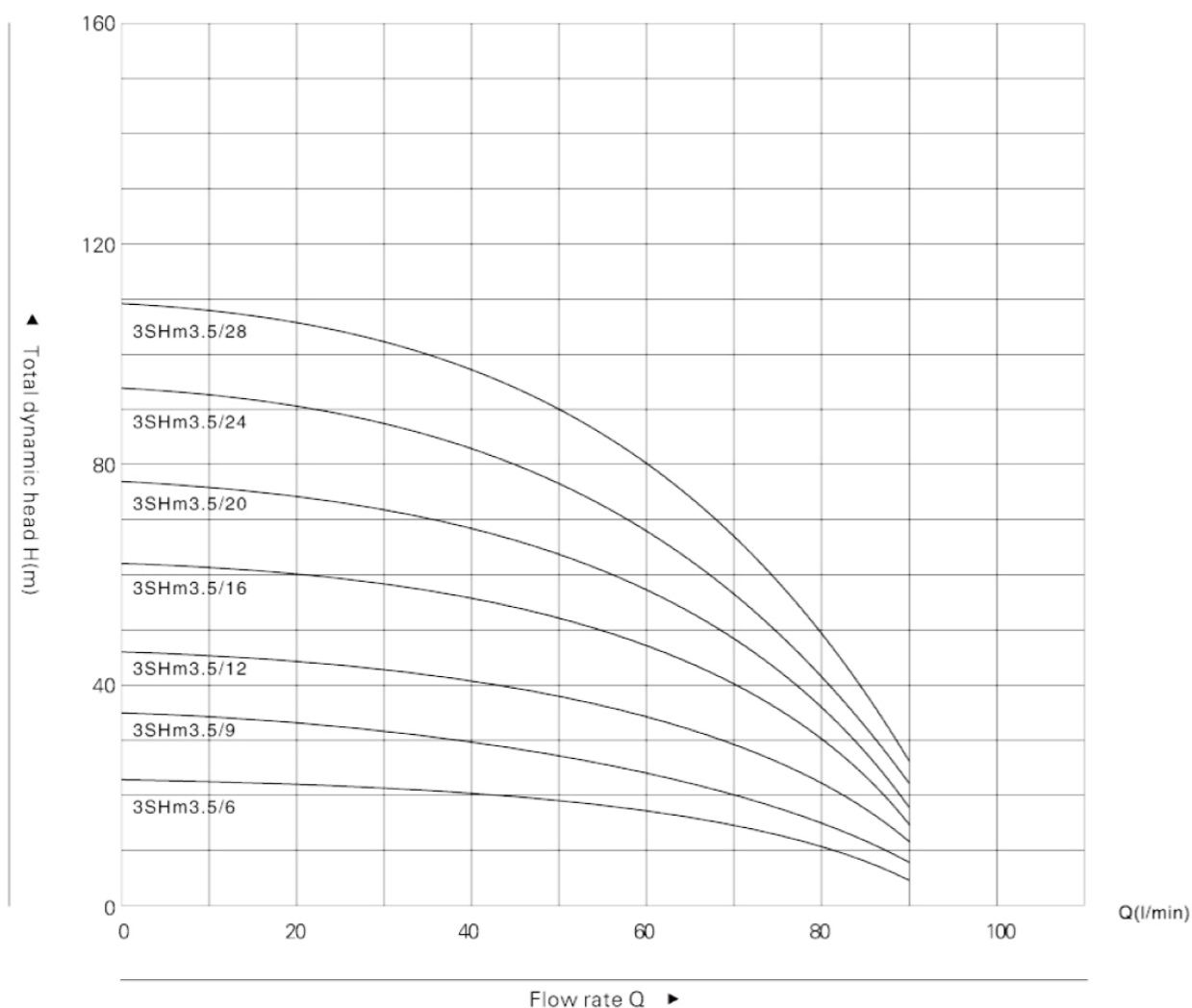
- Maximum water temperature 35°C
- Maximum pump overall diameter 95mm
- Maximum permissible quantity of suspended sand 450g/m
- Wide operation voltage:
single-phase 150-240V/50Hz
three-phase 350-415V/50Hz

Materials Table

No.	Part	Material
1	Delivery body	Cast-Cu
2	Non-returnvalve	Polycarbonate
3	Motor bracket	Cast-Cu
4	Impellers	Polyformaldehyde
5	Di user	Polycarbonate insert ceramic
6	Pumpshaft	AISI410
7	Pump bearings	NBR rubber
8	Drive coupling	AISI420/AISI304(optional)
9	Filter	AISI201/AISI304(optional)
10	Cable cover	AISI301

NO.1806006

Submersible Borehole Pumps



PERFORMANCE TABLE:

Type	Motor power		Delivery N ≈ 2850 r/min																					
	KW	HP	Q	H(m)																				
1~220V-240V			m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	0	10	20	30	40	50	60	70	80	90	
3SHm3.5/6	0.25	0.33		23	23	22	22	21	19	17	14	10	5											
3SHm3.5/9	0.37	0.5		35	34	33	33	31	28	26	20	15	8											
3SHm3.5/12	0.55	0.75		46	46	45	45	42	39	34	28	19	11											
3SHm3.5/16	0.75	1.0		62	61	60	59	56	51	46	36	26	14											
3SHm3.5/20	0.92	1.25		77	76	76	74	71	65	57	46	33	18											
3SHm3.5/24	1.1	1.5		93	92	91	88	84	76	68	54	38	21											
3SHm3.5/28	1.5	2.0		108	107	106	104	99	90	80	63	44	24											



Application

- For water supply from wells or reservoirs
- For domestic use for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature : + 35°C
- Maximum sand content : 3%
- Minimum well diameter : 3.5"

Motor and pump

- Rewindable motor
- Three-phase : 350V-415V / 50Hz
- Single-phase : 150V-240V / 50Hz
- Equip with start control box or digital auto-control box

Internal diameter of outlet

- 1.5"

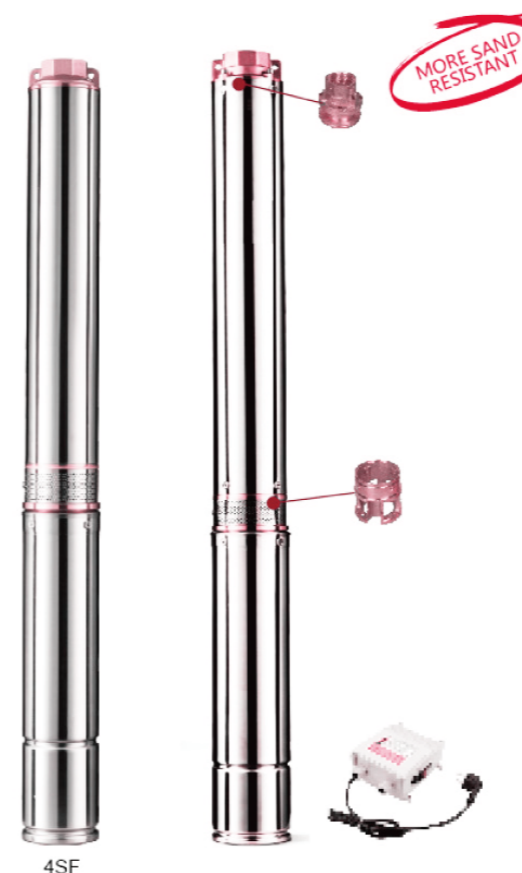
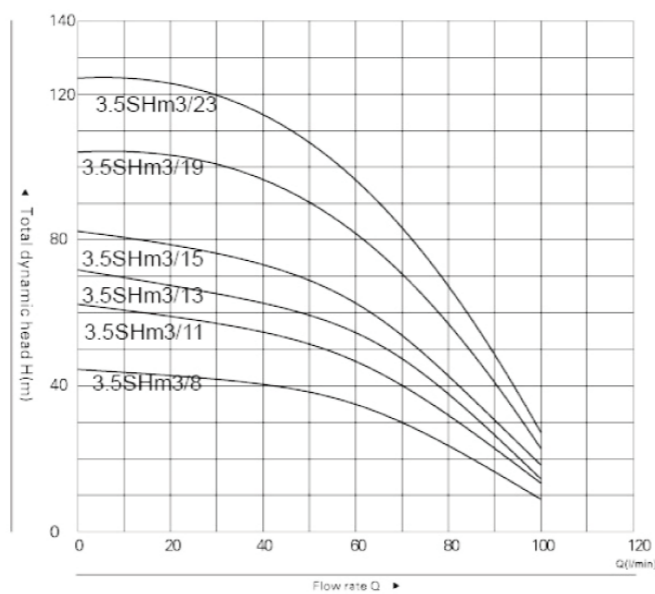
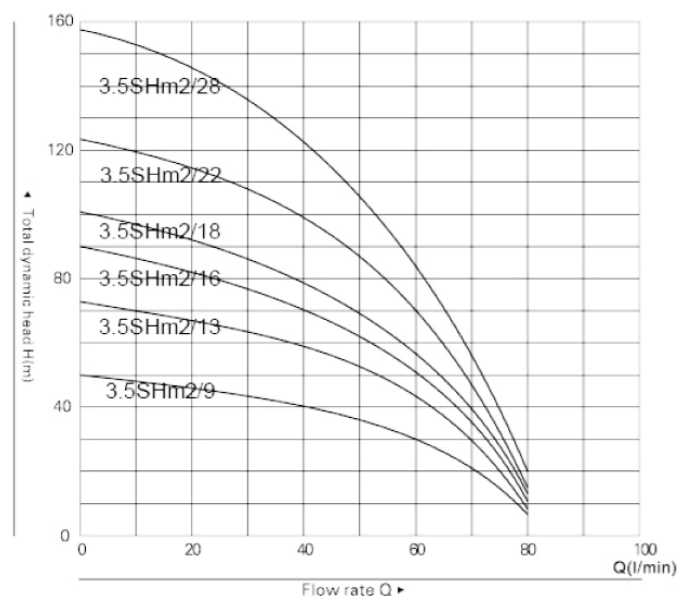
Warranty : 1 year

- (According to our general sales conditions)

COMPONENTS	MATERIAL(SD)
Pump casing	AISI 304SS/201SS
Outlet	Cast-Cu
Inlet	Cast-Cu
Strainer	AISI 304SS/201SS
Diffuser	PC
Impeller	POM
Pump shaft	AISI 304SS/201SS
Shaft coupling	AISI 304SS/201SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil

NO.1806007

Submersible Borehole Pumps



Application

- Suitable for clean water that contain sand (up to 450g/m)
- For water supply from wells or reservoirs
- For domestic use and industrial applications
- For garden use and irrigation

General Features

- Capacity up to 24m³/h, Head up to 527m
- Rated motor power up to 7.5 Kw(10HP)
- NEMA standard Oil-filled Rewindable motor suitable for variable speed control
- Protection :IP 68
- Insulation: class F
- Outlet size: 1 1/4", 1 1/2", 2"

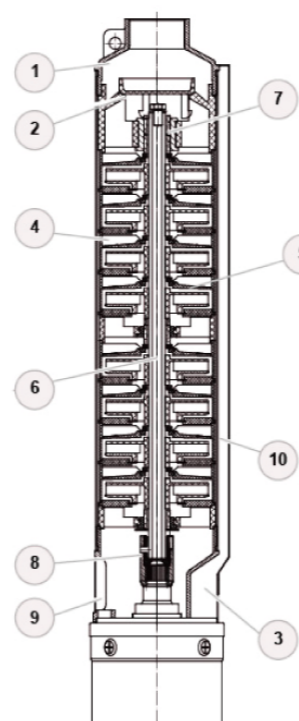
Operating Conditions

- Maximum water temperature 35°C
- Maximum pump overall diameter 95mm
- Maximum permissible quantity of suspended sand 450g/m
- Wide operation voltage:
single-phase 150-240V/50Hz
three-phase 350-415V/50Hz

PERFORMANCE TABLE:

Type		Motor power		Delivery N ≈ 2850 r/min											
1~	3~	KW	HP	Q m ³ /h l/min	H(m)										
220V-240V	380V-415V				0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8		
3.5SHm2/9	3.5SH2/9	0.37	0.55	50	49	46	45	40	34	31	20	6			
3.5SHm2/13	3.5SH2/13	0.55	0.75	73	70	66	64	57	52	44	29	9			
3.5SHm2/16	3.5SH2/16	0.75	1.0	90	86	82	79	70	61	52	35	11			
3.5SHm2/18	3.5SH2/18	0.95	1.3	101	97	92	89	79	68	57	40	13			
3.5SHm2/22	3.5SH2/22	1.1	1.5	123	119	112	109	97	83	70	48	15			
3.5SHm2/28	3.5SH2/28	1.5	2.0	157	151	143	139	123	106	85	56	20			

Type		Motor power		Delivery N ≈ 2850 r/min													
1~	3~	KW	HP	Q m ³ /h l/min	H(m)												
220V-240V	380V-415V				0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0		
3.5SHm3/8	3.5SH3/8	0.37	0.55	44	43	43	42	39	37	33	30	24	16	9			
3.5SHm3/11	3.5SH3/11	0.55	0.75	62	61	59	58	54	50	45	40	33	22	13			
3.5SHm3/13	3.5SH3/13	0.75	1.0	72	71	69	68	64	59	53	47	39	26	15			
3.5SHm3/15	3.5SH3/15	0.95	1.3	82	81	79	78	74	68	62	55	45	30	18			
3.5SHm3/19	3.5SH3/19	1.1	1.5	103	102	100	100	93	87	78	70	57	38	23			
3.5SHm3/23	3.5SH3/23	1.5	2.0	124	123	121	120	113	105	95	84	69	46	27			



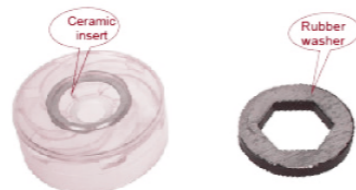
Materials Table

No.	Part	Material
1	Delivery body	Cast-Cu
2	Non-return valve	Polycarbonate
3	Motor bracket	Cast-Cu
4	Impellers	Polyformaldehyde
5	Di user	Polycarbonate insert ceramic
6	Pumpshaft	AISI410
7	Pump bearings	NBR rubber
8	Drive coupling	AISI420/AISI304(optional)
9	Filter	AISI201/AISI304(optional)
10	Cable cover	AISI301



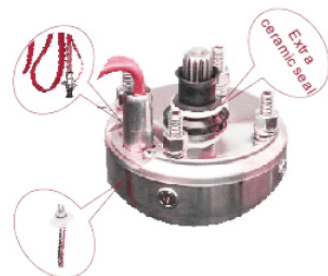
Pump Inlet&outlet

- Genuine & adequate material to avoid crack or broken.
- With key type of outlet for 4SA-K, easy for repair or maintenance.



Difuser

- Ceramic insert
- Rubber washer, much more sand resistant.



Motor

- Low temperature resistant cable, lower to -20°C
- Plug-out structure
- High temperature resistant lead wire, reliable insulation
- NEMA standard.



Rotor

- ≥5.5Kw with copper-embedded rotor, High efficiency, low noise & vibration, low temperature rise.
- ≥1.5Kw with double lower bearing to ensure the motor running more stably.



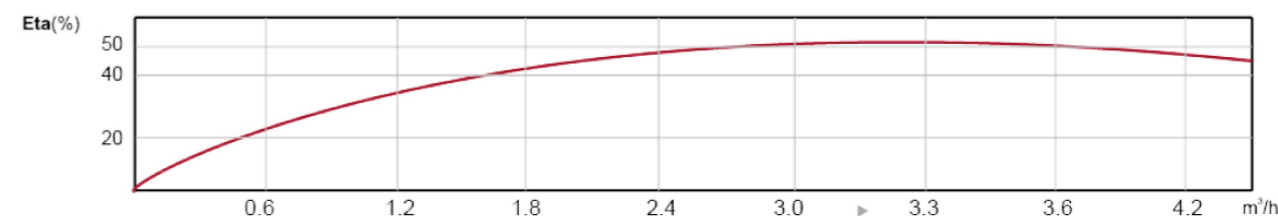
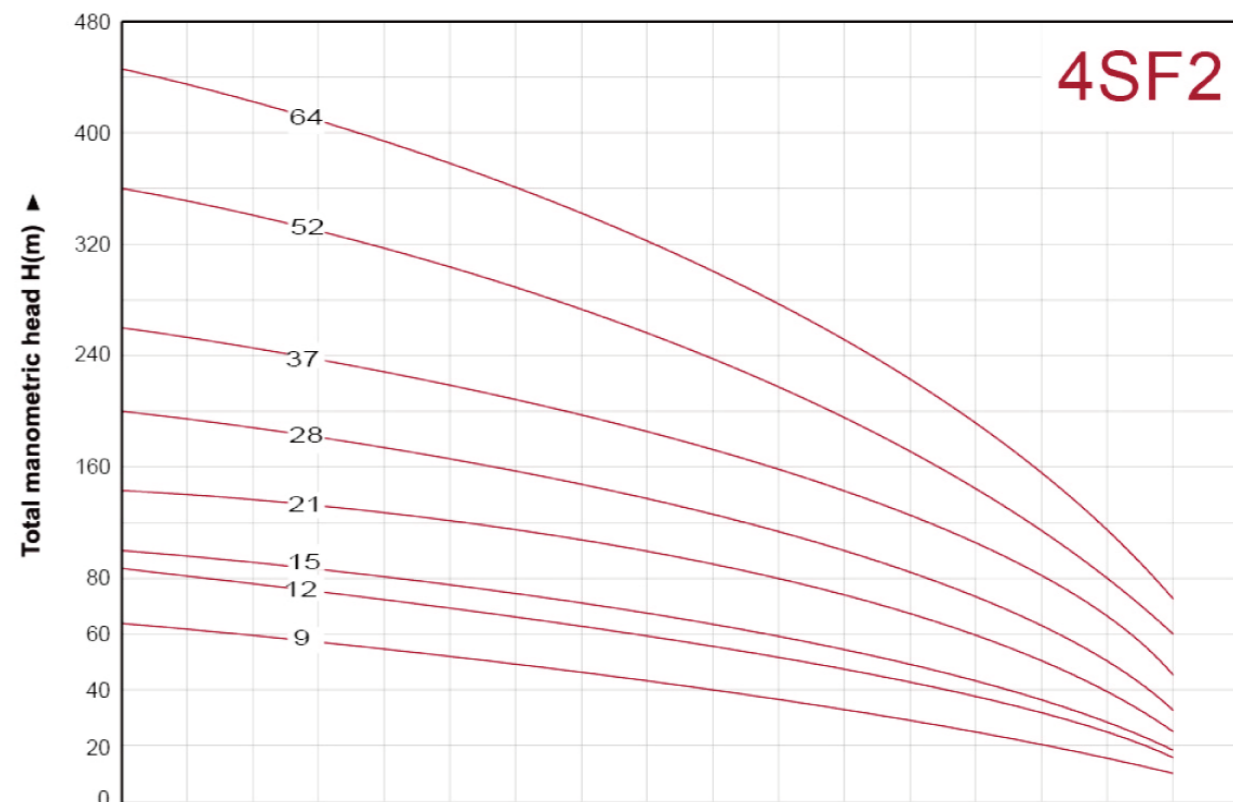
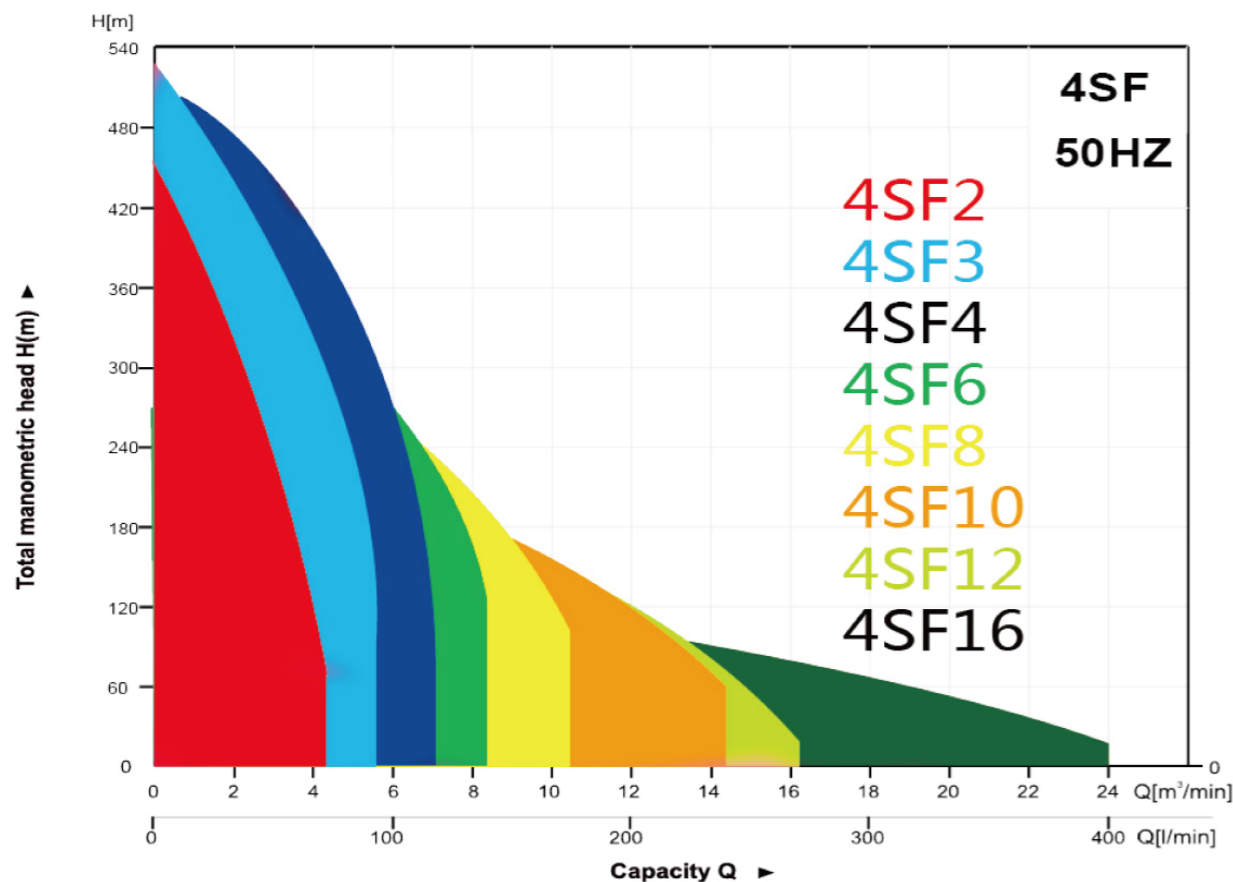
Stator

- 180°C & insulation Class H wire
- Enough stack height and sufficient wire to ensure enough power and excellent electrical performance
- Suitable for VFD control.



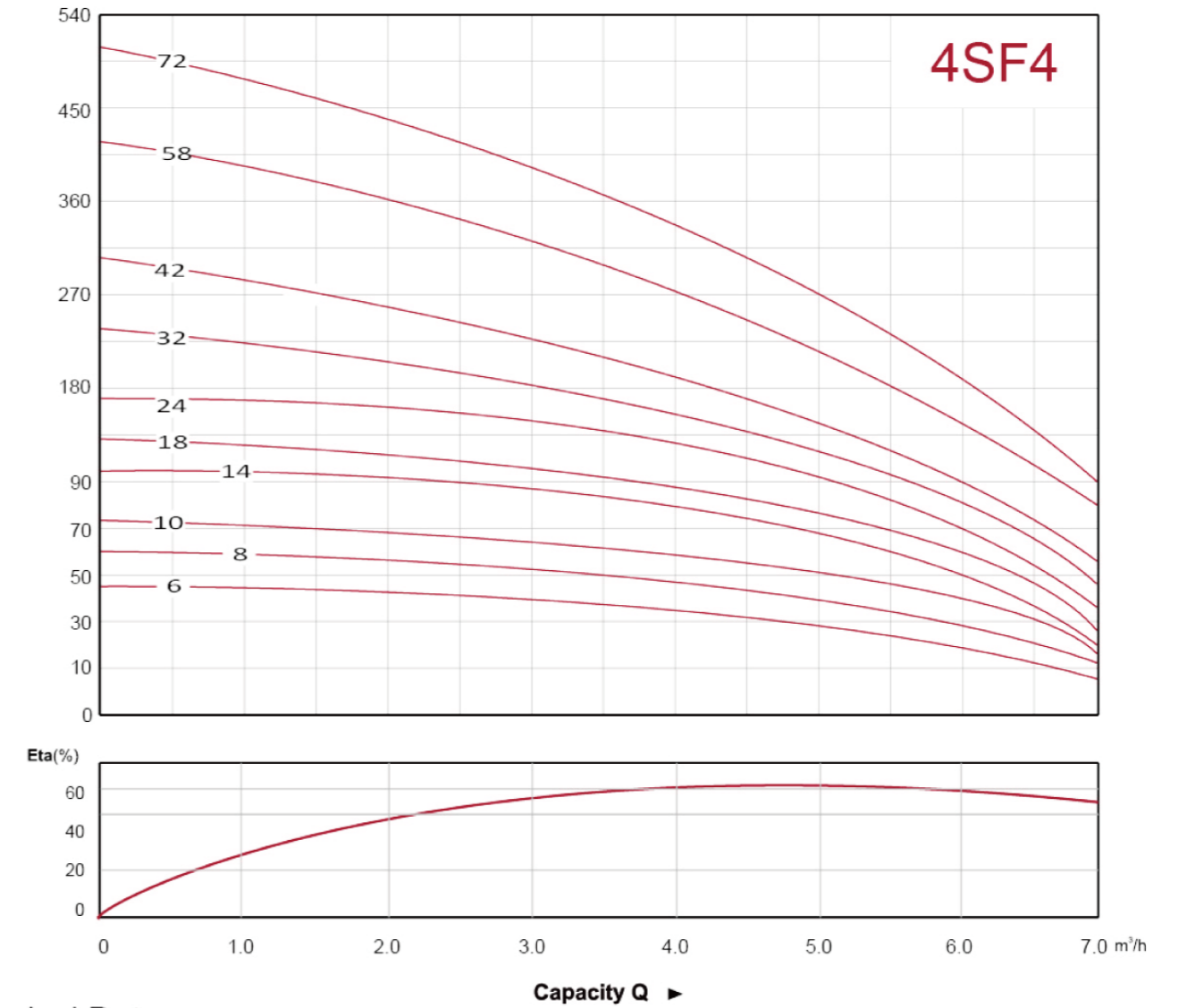
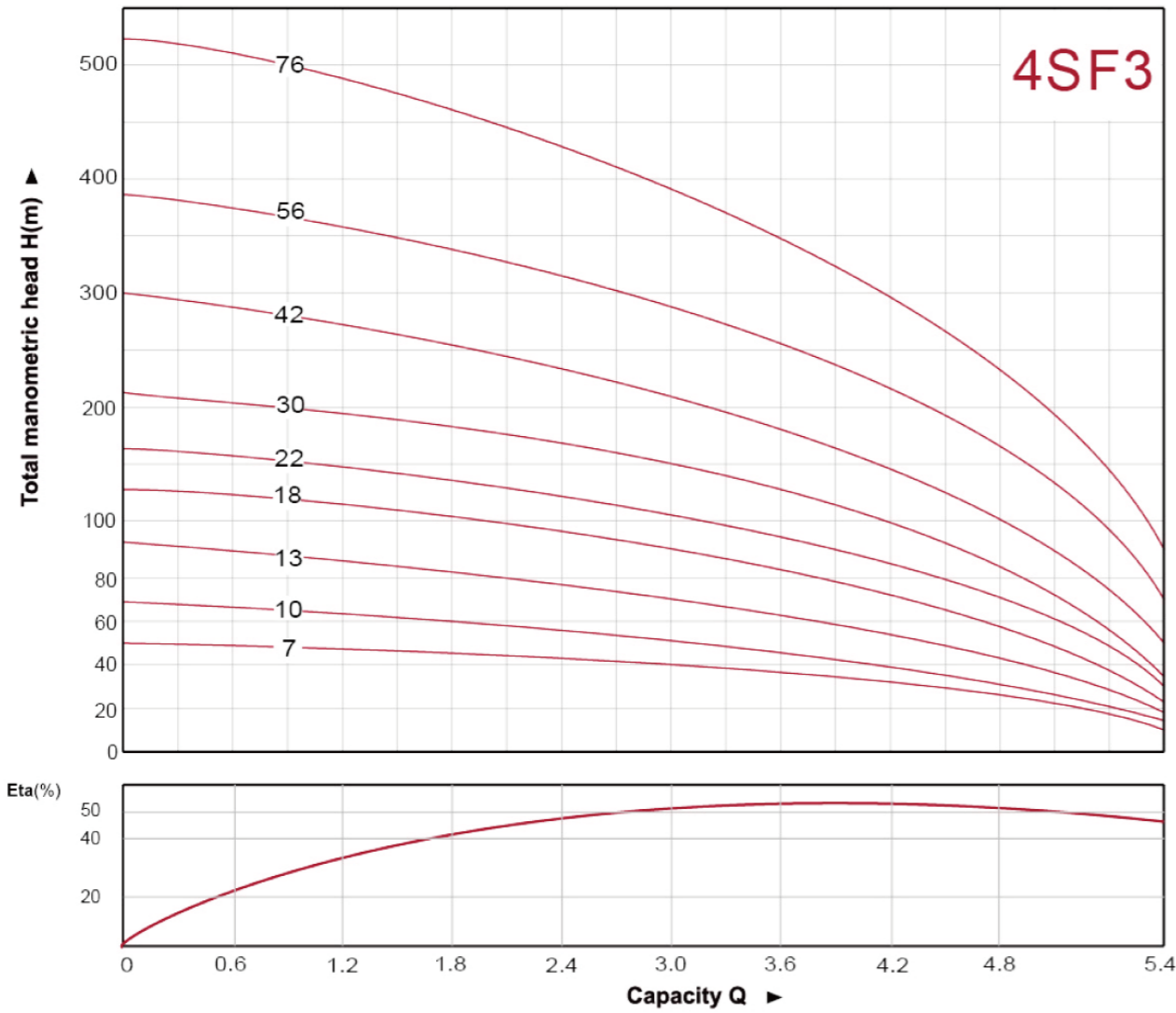
Protector

- USA brand thermal protector



Technical Data

Model(50Hz)		Kw	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.3	3.6	4.2
1~150-240V	3~350-415V			L/min	0	10	20	30	40	50	55	60
4SFm2/9	4SF2/9	0.37/0.5	H(m)	63	62	59	53	44	33	27	25	10
4SFm2/12	4SF2/12	0.55/0.75		84	82	79	70	59	44	36	34	14
4SFm2/15	4SF2/15	0.75/1.0		105	103	98	88	74	55	45	42	17
4SFm2/21	4SF2/21	1.1/1.5		148	144	138	123	104	77	63	59	24
4SFm2/28	4SF2/28	1.5/2.0		197	192	184	164	138	103	84	78	32
4SFm2/37	4SF2/37	2.2/3.0		260	254	243	217	183	136	111	104	43
/	4SF2/52	3.0/4.0		365	357	341	305	257	192	156	146	60
/	4SF2/64	4.0/5.5		450	440	420	376	316	236	192	179	74

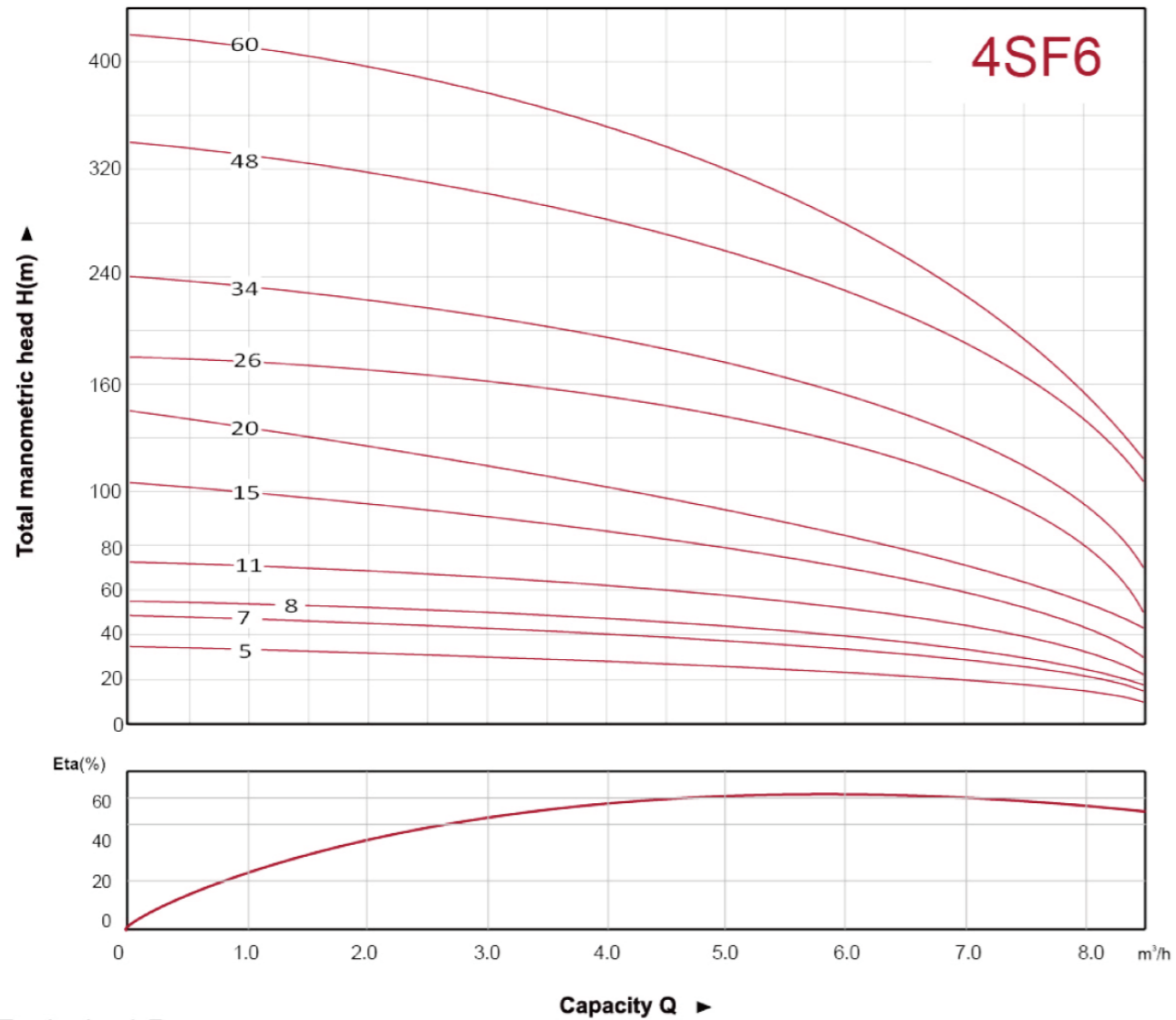


Technical Data

Model(50Hz)		Kw/HP	m³/h L/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
1~ 150-240V	3~ 350-415V			0	10	20	30	40	50	60	70	80	90
4SFm3/7	4SF3/7	0.37/0.5	H(m)	50	48	46	44	41	37	31	25	17	9
4SFm3/10	4SF3/10	0.55/0.75		70	67	64	61	57	51	44	34	24	12
4SFm3/13	4SF3/13	0.75/1.0		91	87	84	81	75	68	57	45	32	15
4SFm3/18	4SF3/18	1.1/1.5		125	118	115	110	102	91	76	60	42	22
4SFm3/22	4SF3/22	1.5/2.0		153	144	141	134	125	111	93	73	51	27
4SFm3/30	4SF3/30	2.2/3.0		208	197	192	183	170	152	127	100	70	37
/	4SF3/42	3.0/4.0		291	276	268	257	238	213	177	140	98	51
/	4SF3/56	4.0/5.5		389	367	358	342	318	283	236	186	130	68
/	4SF3/76	5.5/7.5		527	499	486	464	431	385	321	253	177	93

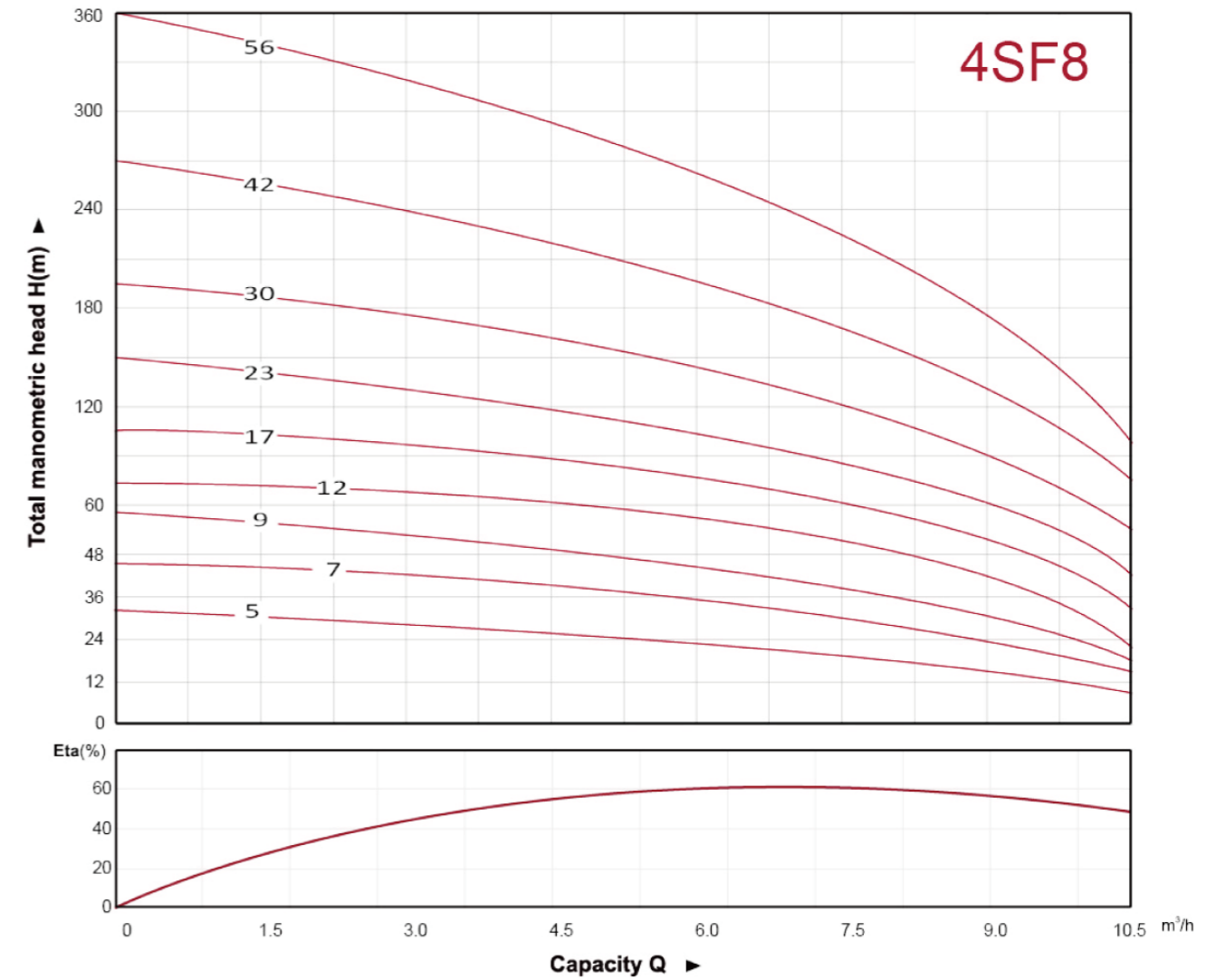
Technical Data

Model(50Hz)		Kw/HP	m³/h L/min	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
1~ 150-240V	3~ 350-415V			0	20	30	40	50	60	70	80	90	100
4SFm4/6	4SF4/6	0.37/0.5	H(m)	43	41	40	39	37	33	30	26	20	15
4SFm4/8	4SF4/8	0.55/0.75		57	55	54	52	49	44	40	34	27	20
4SFm4/10	4SF4/10	0.75/1.0		71	69	67	65	61	55	50	43	34	25
4SFm4/14	4SF4/14	1.1/1.5		99	97	94	91	85	77	70	60	48	35
4SFm4/18	4SF4/18	1.5/2.0		128	124	121	117	110	99	90	77	61	45
4SFm4/24	4SF4/24	2.2/3.0		170	166	161	156	146	132	120	103	82	60
/	4SF4/32	3.0/4.0		227	221	214	208	195	176	160	138	109	80
/	4SF4/42	4.0/5.5		298	290	281	273	256	231	210	181	143	105
/	4SF4/58	5.5/7.5		412	400	389	377	354	319	290	249	197	145
/	4SF4/72	7.5/10		511	497	482	468	439	396	360	310	245	180



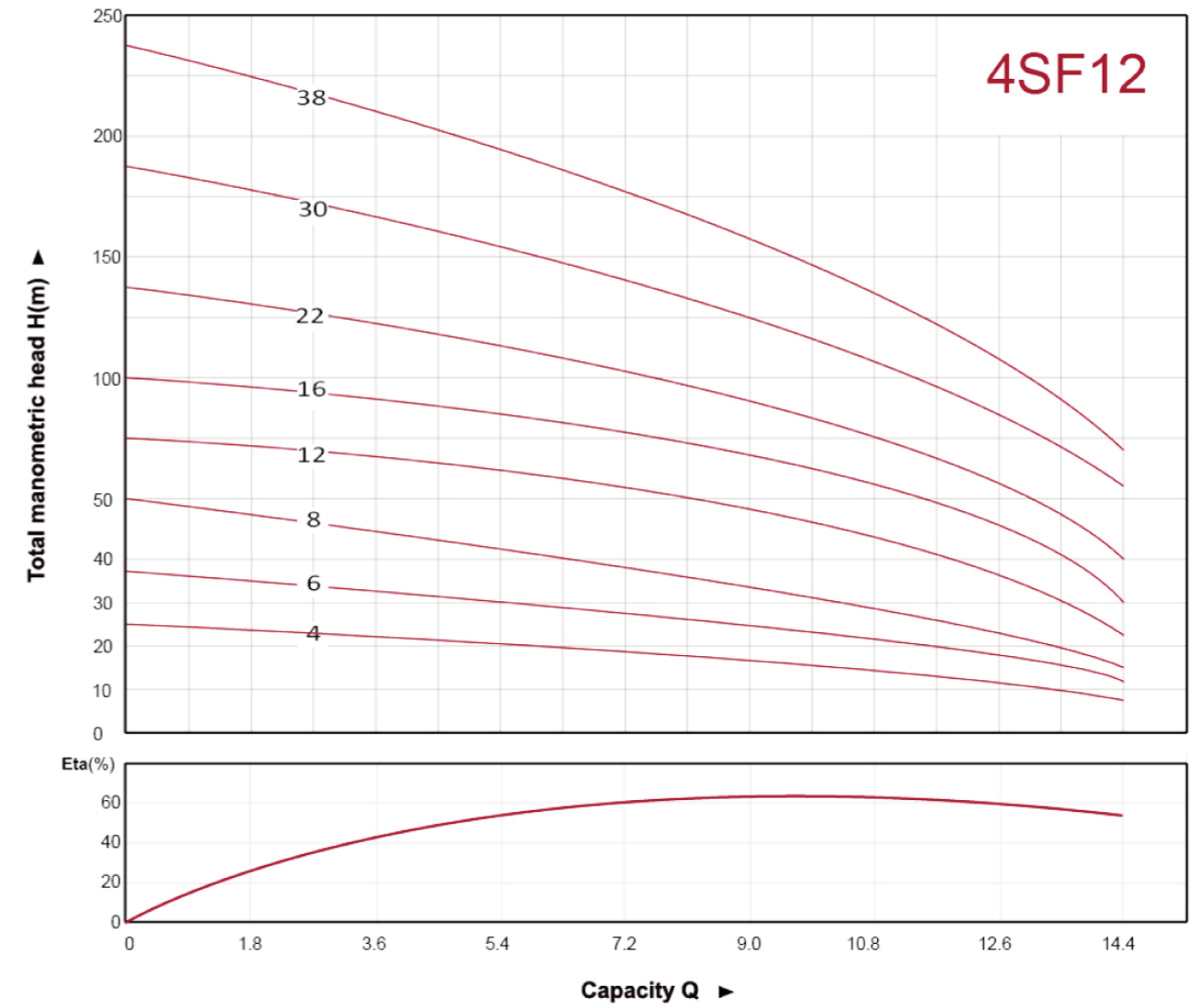
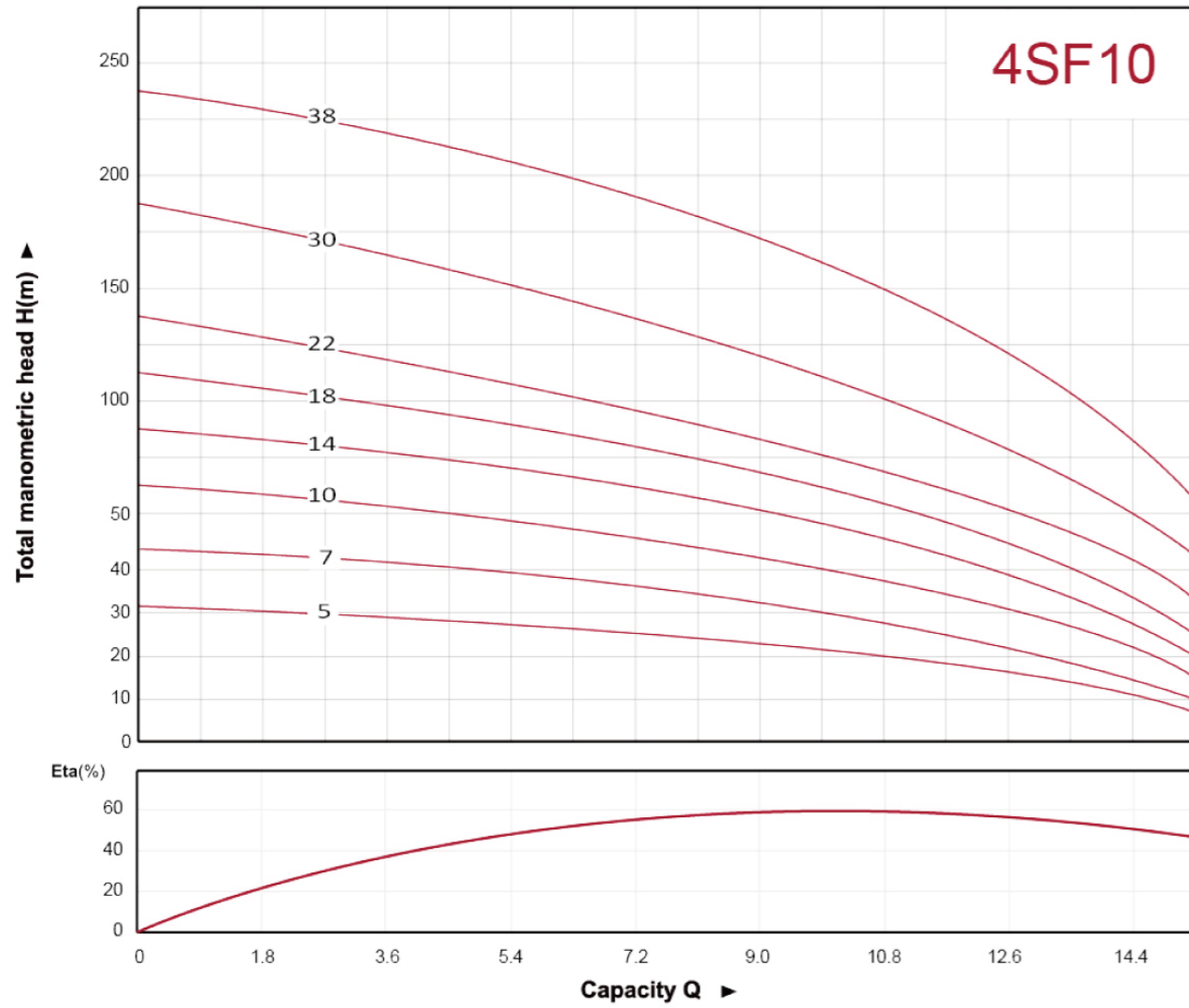
Technical Data

Model(50Hz)		Kw/HP	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
1~ 150-240V	3~ 350-415V			L/min	0	20	40	60	80	100	120
4SFm6/5	4SF6/5	0.37/0.5	H(m)	35	34	32	30	27	23	17	11
4SFm6/7	4SF6/7	0.55/0.75		49	47	45	42	38	32	24	15
4SFm6/8	4SF6/8	0.75/1.0		56	54	52	48	44	36	27	17
4SFm6/11	4SF6/11	1.1/1.5		76	74	71	67	60	50	37	23
4SFm6/15	4SF6/15	1.5/2.0		104	104	97	91	82	67	51	31
4SFm6/20	4SF6/20	2.2/3.0		139	139	129	121	109	90	68	42
/	4SF6/26	3.0/4.0		181	181	168	157	142	117	88	55
/	4SF6/34	4.0/5.5		236	236	219	206	185	153	116	71
/	4SF6/48	5.5/7.5		334	334	310	290	262	216	163	101
/	4SF6/60	7.5/10		417	417	387	363	327	270	204	126



Technical Data

Model(50Hz)		Kw/HP	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8
1~ 150-240V	3~ 350-415V			L/min	0	20	40	60	80	100	120	140	160
4SFm8/5	4SF8/5	0.55/0.75	H(m)	32	31	28	27	26	24	22	19	14	9
4SFm8/7	4SF8/7	0.75/1.0		44	43	40	38	36	33	31	26	20	13
4SFm8/9	4SF8/9	1.1/1.5		57	55	51	49	46	43	40	33	25	16
4SFm8/2	4SF8/12	1.5/2.0		76	73	67	65	61	57	53	44	34	22
4SFm8/17	4SF8/17	2.2/3.0		108	104	96	92	87	81	75	63	48	31
/	4SF8/23	3.0/4.0		146	141	130	124	118	109	101	85	65	42
/	4SF8/30	4.0/5.5		191	184	170	162	154	143	132	111	85	55
/	4SF8/42	5.5/7.5		267	257	237	227	215	200	185	156	118	76
/	4SF8/56	7.5/10		356	343	316	303	287	267	247	208	158	102

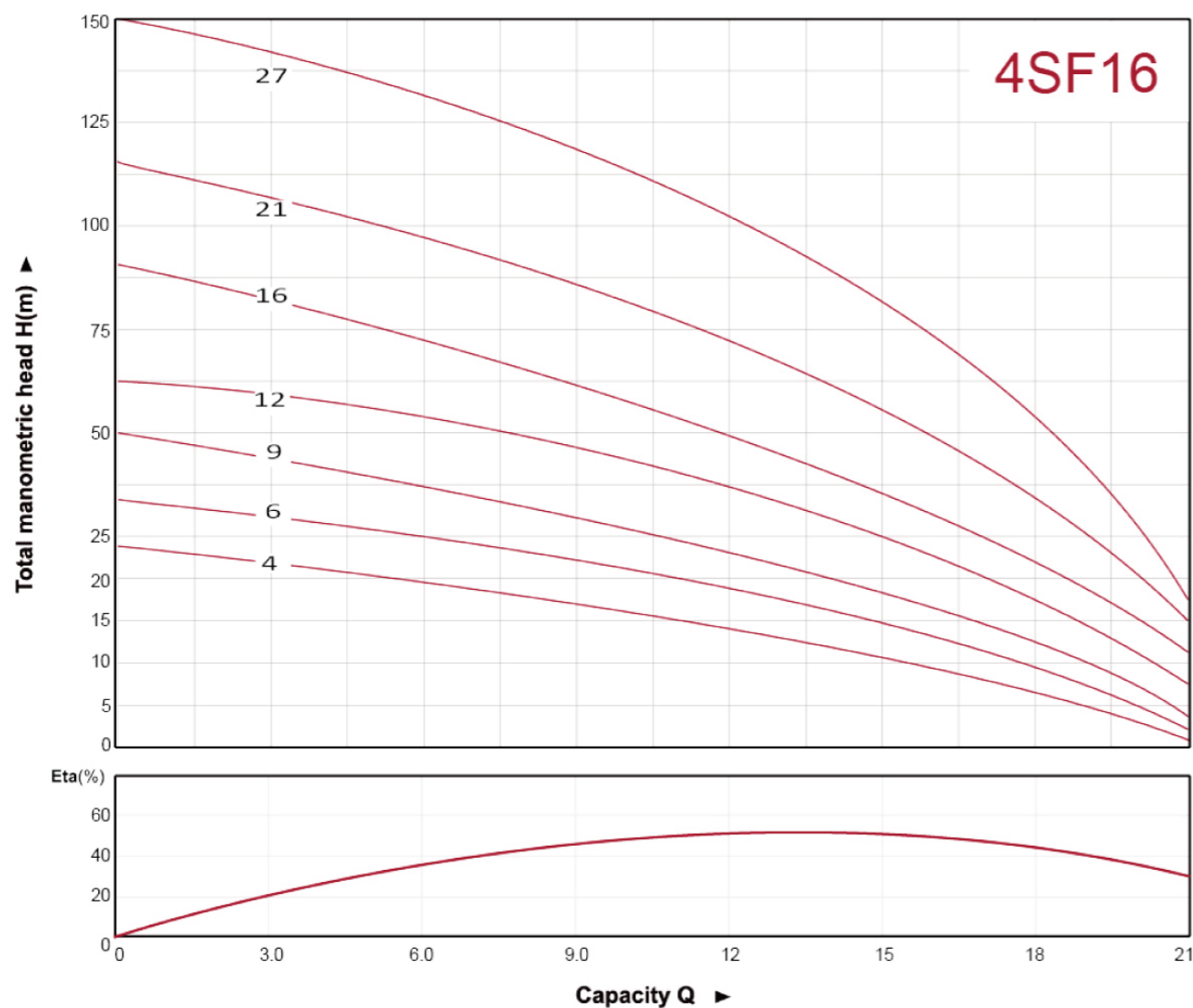


Technical Data

Model(50Hz)		Kw/HP	m³/h L/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
1~ 150-240V	3~ 350-415V			0	30	60	90	120	150	180	210	240
4SFm10/5	4SF10/5	0.75/1.0	H(m)	31	30	28	27	25	23	19	13	7
4SFm10/7	4SF10/7	1.1/1.5		43	42	39	38	35	32	26	18	10
4SFm10/10	4SF10/10	1.5/2.0		62	59	56	54	50	44	36	26	14
4SFm10/14	4SF10/14	2.2/3.0		86	83	79	75	70	63	52	36	20
/	4SF10/18	3.0/4.0		111	107	101	96	90	79	65	46	26
/	4SF10/22	4.0/5.5		136	131	124	118	110	97	79	57	32
/	4SF10/30	5.5/7.5		184	178	169	161	150	135	111	77	43
/	4SF10/38	7.5/10		233	225	214	204	190	171	141	98	54

Technical Data

Model(50Hz)		Kw/HP	m³/h L/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
1~ 150-240V	3~ 350-415V			0	30	60	90	120	150	180	210	240
4SFm12/4	4SF12/4	0.75/1.0	H(m)	24	23	22	20	18	16	14	12	7
4SFm12/6	4SF12/6	1.1/1.5		37	35	32	29	28	25	21	17	11
4SFm12/8	4SF12/8	1.5/2.0		49	46	43	39	37	33	29	23	15
4SFm12/12	4SF12/12	2.2/3.0		73	70	65	59	55	49	43	35	22
/	4SF12/16	3.0/4.0		98	93	86	78	74	66	57	46	29
/	4SF12/22	4.0/5.5		134	128	119	108	101	91	79	64	40
/	4SF12/30	5.5/7.5		183	174	162	147	138	124	107	87	55
/	4SF12/38	7.5/10		232	220	205	186	175	157	136	110	70



Technical Data

Model(50Hz)		Kw/HP	m³/h	Capacity Q (m³/h)														
1~ 150-240V	3~ 350-415V			0	3	6	9	12	15	18	21	24						
4SFm16/4	4SF16/4	1.1/1.5	L/min	0	50	100	150	200	250	300	350	400						
			H(m)	22	21	19	17	16	14	11	8	1						
4SFm16/6	4SF16/6	1.5/2.0		33	32	29	26	23	20	16	12	2						
4SFm16/9	4SF16/9	2.2/3.0		50	48	43	40	35	31	24	18	4						
/	4SF16/12	3.0/4.0		66	63	58	53	47	41	32	24	9						
/	4SF16/16	4.0/5.5		88	84	77	72	62	54	43	32	12						
/	4SF16/21	5.5/7.5		116	112	101	95	82	71	57	42	15						
/	4SF16/27	7.5/10		149	145	130	123	105	92	73	54	17						

Dimension & Weight

Motor and pump packaged separately. Can be packaged together when needed (Some models excepted)

4SF2

Model	L1 (mm)	L2 (mm) Single-phase	L2 (mm) Three-phase	NW (kgs) Body pump	NW (kgs) Single-phase motor	NW (kgs) Three-phase motor	
4SFm2/9	4SF2/9	432	313	359	3.5	6.7	6.9
4SFm2/12	4SF2/12	540	338	384	4.3	8.0	8.1
4SFm2/15	4SF2/15	613	358	404	4.8	8.7	8.9
4SFm2/21	4SF2/21	759	413	459	6.1	10.7	10.8
4SFm2/28	4SF2/28	965	468	499	7.8	12.9	13.0
4SFm2/37	4SF2/37	1218	553	534	9.9	17.0	14.6
/	4SF2/52	1710	/	609	14.4	/	18.4
/	4SF2/64	2072	/	684	17.3	/	21.7

Note: ≥3Kw motor and pump part can't be packaged together.
G1¼ outlet as standard, G1½/G2 available as optional.



4SF3

Model	L1 (mm)	L2 (mm) Single-phase	L2 (mm) Three-phase	NW (kgs) Body pump	NW (kgs) Single-phase motor	NW (kgs) Three-phase motor	
4SFm3/7	4SF3/7	419	313	359	3.3	6.7	6.9
4SFm3/10	4SF3/10	507	338	384	3.9	8.0	8.1
4SFm3/13	4SF3/13	629	358	404	4.8	8.7	8.9
4SFm3/18	4SF3/18	776	413	459	6.0	10.7	10.8
4SFm3/22	4SF3/22	893	468	499	6.9	12.9	13.0
4SFm3/30	4SF3/30	1163	553	534	9.2	17.0	14.6
/	4SF3/42	1607	/	609	13.1	/	18.4
/	4SF3/56	2088	/	684	16.9	/	21.7
/	4SF3/76	2745	/	759	22.0	/	27.2

Note: ≥3Kw motor and pump part can't be packaged together.
G1¼ outlet as standard, G1½/G2 available as optional.



4SF4

Model	L1 (mm)	L2 (mm) Single-phase	L2 (mm) Three-phase	NW (kgs) Body pump	NW (kgs) Single-phase motor	NW (kgs) Three-phase motor	
4SFm4/6	4SF4/6	388	313	359	3.1	6.7	6.9
4SFm4/8	4SF4/8	447	338	384	3.5	8.0	8.1
4SFm4/10	4SF4/10	505	358	404	3.9	8.7	8.9
4SFm4/14	4SF4/14	656	413	459	5.1	10.7	10.8
4SFm4/18	4SF4/18	808	468	499	6.3	12.9	13.0
4SFm4/24	4SF4/24	1017	553	534	7.8	17.0	14.6
/	4SF4/32	1250	/	609	9.9	/	18.4
/	4SF4/42	1665	/	684	13.2	/	21.7
/	4SF4/58	2134	/	759	17.3	/	27.2
/	4SF4/72	2612	/	834	21.0	/	31.0



Note: ≥3Kw motor and pump part can't be packaged together.
G1½" outlet as standard, G1¼"/G2" available as optional.

4SF8

Model	L1 (mm)	L2 (mm) Single-phase	L2 (mm) Three-phase	NW (kgs) Body pump	NW (kgs) Single-phase motor	NW (kgs) Three-phase motor	
4SFm8/5	4SF8/5	395	338	384	3.2	8.0	8.1
4SFm8/7	4SF8/7	467	358	404	3.6	8.7	8.9
4SFm8/9	4SF8/9	540	413	459	4.2	10.7	10.8
4SFm8/12	4SF8/12	683	468	499	5.1	12.9	13.0
4SF8m/17	4SF8/17	864	553	534	6.6	17.0	14.6
/	4SF8/23	1115	/	609	8.3	/	18.4
/	4SF8/30	1403	/	684	10.6	/	21.7
/	4SF8/42	1962	/	759	15.2	/	27.2
/	4SF8/56	2538	/	834	19.4	/	31.0



Note: ≥3Kw motor and pump part can't be packaged together.
G2" outlet as standard, G1½"/G1¼" available as optional.

4SF6

Model	L1 (mm)	L2 (mm) Single-phase	L2 (mm) Three-phase	NW (kgs) Body pump	NW (kgs) Single-phase motor	NW (kgs) Three-phase motor	
4SFm6/5	4SF6/5	386	313	359	3.0	6.7	6.9
4SFm6/7	4SF6/7	455	338	384	3.5	8.0	8.1
4SFm6/8	4SF6/8	489	358	404	3.7	8.7	8.9
4SFm6/11	4SF6/11	627	413	459	4.7	10.7	10.8
4SFm6/15	4SF6/15	764	468	499	5.8	12.9	13.0
4SFm6/20	4SF6/20	936	553	534	7.0	17.0	14.6
/	4SF6/26	1177	/	609	9.0	/	18.4
/	4SF6/34	1486	/	684	11.3	/	21.7
/	4SF6/48	2092	/	759	16.4	/	27.2
/	4SF6/60	2504	/	834	19.5	/	31.0



Note: ≥3Kw motor and pump part can't be packaged together.
G1½" outlet as standard, G1¼"/G2" available as optional.

4SF10

Model	L1 (mm)	L2 (mm) Single-phase	L2 (mm) Three-phase	NW (kgs) Body pump	NW (kgs) Single-phase motor	NW (kgs) Three-phase motor	
4SFm10/5	4SF10/5	404	358	404	3.2	8.7	8.9
4SFm10/7	4SF10/7	480	413	459	3.7	10.7	10.8
4SFm10/10	4SF10/10	630	468	499	4.7	12.9	13.0
4SFm10/14	4SF10/14	782	553	534	6.0	17.0	14.6
/	4SF10/18	969	/	609	7.3	/	18.4
/	4SF10/22	1121	/	684	8.4	/	21.7
/	4SF10/30	1460	/	759	10.9	/	27.2
/	4SF10/38	1799	/	834	13.4	/	31.0



Note: ≥3Kw motor and pump part can't be packaged together.
G2" outlet as standard, G1½"/G1¼" available as optional.

NO.1806008

Submersible Borehole Pump Motor



Features

- Oil filled electric motor for 4" borehole pumps
- Mounting flange in compliance with NEMA standards
- Rubber diaphragms inside, protect the motor from high pressure and oil
- Expansion caused volume variation
- Watertight cable prevents capillary action and protects against moisture

Operating Conditions

- Max immersion: 120m
- Max water temperature: +35°C
- Max chlorine content: 450mg/L
- PH value: 6.5-8.0
- Max solid content: 0.1%
- Max re-start frequency: 30times/hour
- Voltage variation: within 10%

General Specifications

- Protection class: IP68
- Insulation class: F
- Single-Phase: 150-240V 50Hz
- Three-Phase: 350V-415V 50Hz
- Power range:
 - Single-Phase: 0.37kW(0.5 HP) – 2.2kW(3HP)
 - Three-Phase: 0.37kW(0.5 HP) – 7.5kW(10HP)
- Start control box & digital auto-control box available on request

Technical Data

Single-phase Motors 50 Hz

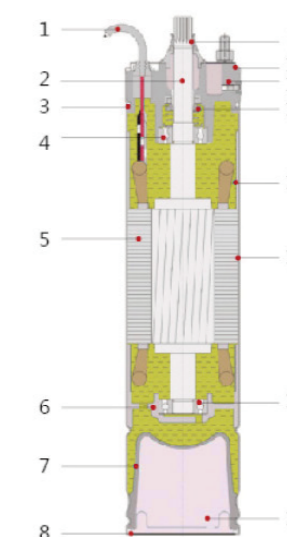
Model	Voltage		Power		In	Istart	Power Factor	Effi	Rated Torque	Rated Speed
	V		kW	HP						
1806008-1	150-240		0.37	0.5	2.8	11.2	0.99	60	1.2	2850
1806008-2			0.55	0.75	4	17.4	0.98	65.2	1.9	2850
1806008-3			0.75	1	5.1	22.9	0.98	68.6	2.5	2850
1806008-4			1.1	1.5	7.4	33.8	0.94	70.5	3.6	2850
1806008-5			1.5	2	9.7	42.9	0.97	73.85	5	2850
1806008-6			2.2	3	13.6	58.3	0.97	75.37	7.4	2850

Three-phase Motors 50 Hz

Model	Voltage		Power		In	Istart	Power Factor	Effi	Rated Torque	Rated Speed
	V		kW	HP						
1806008-7	350-415		0.37	0.5	1.5	5.2	0.63	60	1.2	2850
1806008-8			0.55	0.75	1.8	6.7	0.7	68	1.8	2850
1806008-9			0.75	1	2.2	7.5	0.77	68	2.5	2850
1806008-10			1.1	1.5	3.2	11.5	0.72	72	3.8	2850
1806008-11			1.5	2	4.3	19.2	0.71	74	5	2850
1806008-12			2.2	3	5.8	24.5	0.76	76	7.4	2850
1806008-13			3	4	7.5	29	0.78	78	10.2	2850
1806008-14			4	5.5	9.3	35.5	0.8	80	13.5	2850
1806008-15			5.5	7.5	13.3	46.7	0.78	80	18.7	2850
1806008-16			7.5	10	18.7	52.3	0.83	76	25.8	2850

Materials Table

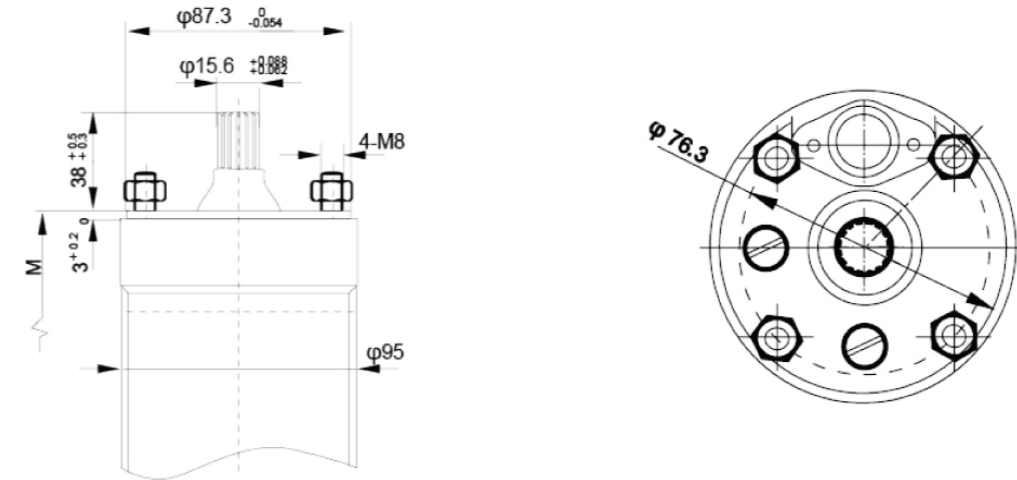
Item No.	Part	Material
1	Cable	
2	Rotor	Shaft : AISI 303SS
3	O-ring	NBR
4	Bearing	Bearing Ball Bearing
5	Stator	
6	Bearing house	Aluminum
7	Pressure regulator	NBR
8	Snap ring	AISI201/304
9	Sand guard	NBR
10	Cap	AISI304SS
11	Upper support	Cast Iron
12	Mechanical seal	Carbon-Ceramic
13	Guard ring	Plastic
14	Motor casing	AISI201/304SS
15	Bearing	Angular contact bearing
16	End cover	AISI201/304SS



Three-phase Motors 50 Hz

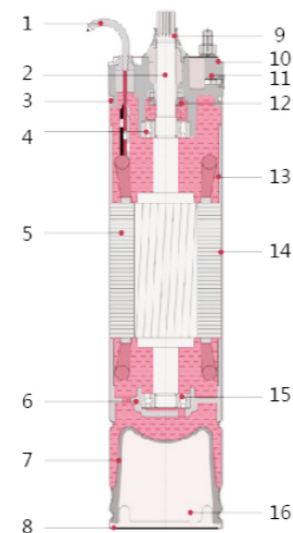
Model	Voltage		Power		In	Istart	Power Factor	Effi	Rated Torque	Rated Speed
	V	kW	HP	A						
4SF0.37	350-415	0.37	0.5	1.5	5.2	0.63	60	1.2	2850	
4SF0.55		0.55	0.75	1.8	6.7	0.7	68	1.8	2850	
4SF0.75		0.75	1	2.2	7.5	0.77	68	2.5	2850	
4SF1.1		1.1	1.5	3.2	11.5	0.72	72	3.8	2850	
4SF1.5		1.5	2	4.3	19.2	0.71	74	5	2850	
4SF2.2		2.2	3	5.8	24.5	0.76	76	7.4	2850	
4SF3		3	4	7.5	29	0.78	78	10.2	2850	
4SF4		4	5.5	9.3	35.5	0.8	80	13.5	2850	
4SF5.5		5.5	7.5	13.3	46.7	0.78	80	18.7	2850	
4SF7.5		7.5	10	18.7	52.3	0.83	76	25.8	2850	

Dimension & Weight



Materials Table

Item No.	Part	Material
1	Cable	
2	Rotor	Shaft : AISI 303SS
3	O-ring	NBR
4	Bearing	Bearing Ball Bearing
5	Stator	
6	Bearing house	Aluminum
7	Pressure regulator	NBR
8	Snap ring	AISI201/304
9	Sand guard	NBR
10	Cap	AISI304SS
11	Upper support	Cast Iron
12	Mechanical seal	Carbon-Ceramic
13	Guard ring	Plastic
14	Motor casing	AISI201/304SS
15	Bearing	Angular contact bearing
16	End cover	AISI201/304SS



Model	Voltage		f	Power		N.W	G.W	Dimension	Packaging Dimension (LxWxH)
	V	Hz		kW	HP				
4SFm0.37	150-240	50	0.37	0.5	6.7	7.4	Φ96x354	374x120x140	
4SFm0.55			0.55	0.75	8.0	8.9	Φ96x379	399x120x140	
4SFm0.75			0.75	1	8.7	9.7	Φ96x399	419x120x140	
4SFm1.1			1.1	1.5	10.7	11.9	Φ96x454	474x120x140	
4SFm1.5			1.5	2	12.9	14.3	Φ96x509	529x120x140	
4SFm2.2			2.2	3	17.0	18.9	Φ96x594	614x120x140	
4SF0.37	350-415	50	0.37	0.5	6.9	7.7	Φ96x400	420x120x140	
4SF0.55			0.55	0.75	8.1	9.0	Φ96x425	445x120x140	
4SF0.75			0.75	1	8.9	9.9	Φ96x445	465x120x140	
4SF1.1			1.1	1.5	10.8	12.0	Φ96x500	520x120x140	
4SF1.5			1.5	2	13.0	14.4	Φ96x540	560x120x140	
4SF2.2			2.2	3	14.6	16.2	Φ96x575	595x120x140	
4SF3			3	4	18.4	20.4	Φ96x650	670x120x140	
4SF4			4	5.5	21.7	24.1	Φ96x725	745x120x140	
4SF5.5			5.5	7.5	27.2	30.2	Φ96x800	820x120x140	
4SF7.5			7.5	10	31.0	34.4	Φ96x875	895x120x140	

NO.1806009

Submersible Borehole Pumps



Application

- For water supply from wells or reservoirs
- For domestic use for civil and industrial applications
- For garden use and irrigation

Operating conditions

- Maximum fluid temperature : + 35°C
- Maximum sand content : 0 . 3%
- Minimum well diameter : 4"

Motor and pump

- Rewindable motor
- Full obturated screen motor
- Three-phase : 380V-415V / 50HZ
- Single-phase : 220V-240V / 50HZ
- Equip with start-up control box
- NEMA dimension standards

Internal diameter of outlet

- 1.25", 1.5", 2"

Warranty : 1 year

- (According to our general sales conditions)

COMPONENTS	MATERIAL
Pump casing	AISI 304SS
Outlet	AISI 304SS
Inlet	AISI 304SS
Diffuser	AISI 304SS
Impeller	AISI 304SS
Pump shaft	AISI 304SS
Shaft coupling	AISI 304SS
Motor casing	AISI 304SS/201SS
Mechanical seal	Graphite-ceramic/TC
Top chock	Cast-Cu/Cast-iron
Motor shaft	AISI 304SS
Bearing	NSK/C&U
Seal lubricant oil	10# White Oil

NO.1806010

Submersible Pumps



- Close coupled multi-stage submersible pumps in chrome -nickel stainless steel.
- Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed.
- Double shaft seal with interposed oil chamber.
- The suction strainer prevents the entrance of solids with diameter bigger than: 2mm.

Application

- For water supply from wells , tanks or reservoirs
- For domestic use , for civil and industrial applications
- For garden use and irrigation
- Utilization of rain water

Operating Conditions

- Water temperature up to 35°C
- Minimum internal diameter of well : 132 mm
- Minimum immersion depth : 100 mm
- Maximum immersion depth : 20 m (with suitable cable length)
- Continuous duty

Motor

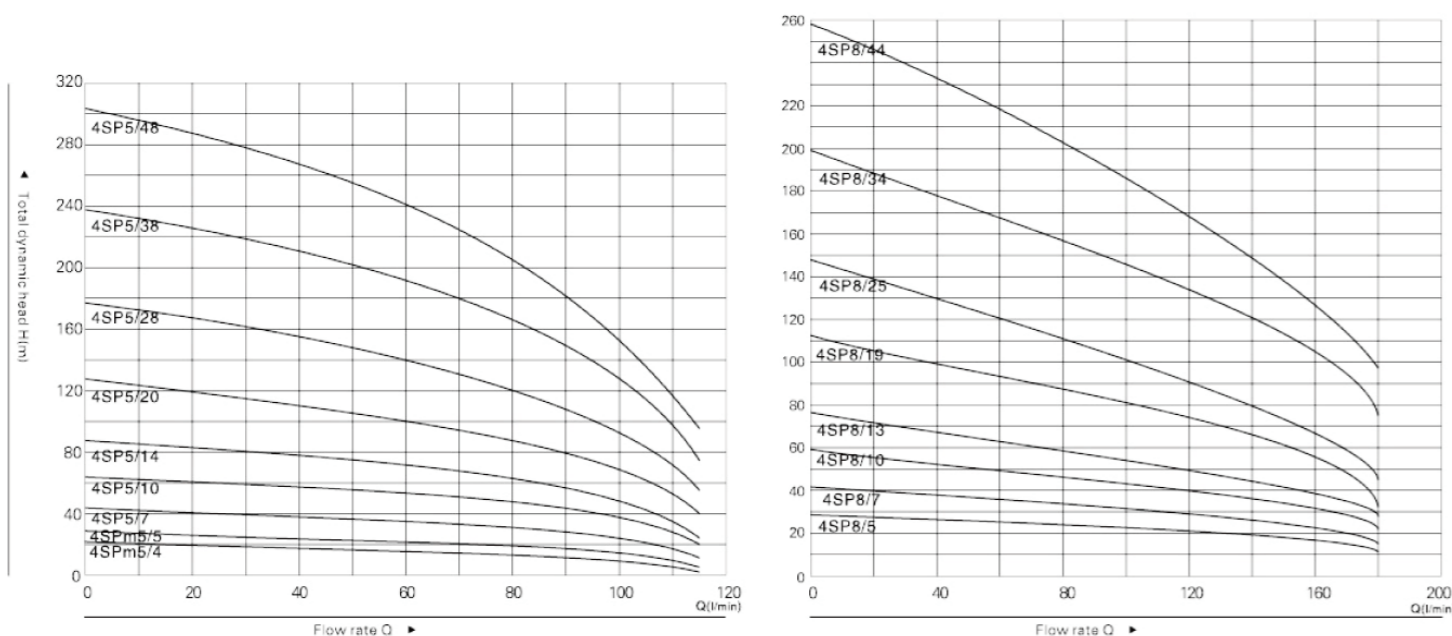
- 2-pole induction motor
- XHm : three phase 230 v + 10 % , 50HZ : 220v + 10 % , 60HZ three phase 400 v + 10 % , 50HZ : 380v + 10 % , 60HZ
- XHm : single phase 230 v + 10 % , 50HZ : 220v + 10 % ,60HZ
- Control box with capacitor and thermal device Float switch(on demand)
- Cable length : 15 m
- Insulation class : F
- Protection class : IP 68

Special features on request

- Other voltages
- The length of cable is optional

NO.1806011

Submersible Pumps



PERFORMANCE TABLE:

Type		Motor power		Delivery N ≈ 2850 r/min												
1~ 220V-240V	3~ 380V-415V	KW	HP	Q m³/h l/min	0	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	
4SPm5/4	-----	0.37	0.5		H(m)	0	30	40	50	60	70	80	90	100	110	120
4SPm5/5	-----	0.55	0.75		25	23	22	21	20	19	18	17	14	11	8	
4SPm5/7	4SP5/7	0.75	1.0		32	29	28	27	25	24	23	22	18	14	10	
4SPm5/10	4SP5/10	1.1	1.5		44	41	39	37	35	34	32	30	25	20	14	
4SPm5/14	4SP5/14	1.5	2.0		63	58	56	53	50	48	46	44	35	28	20	
4SPm5/20	4SP5/20	2.2	3.0		88	81	78	74	70	67	64	61	49	39	28	
-----	4SP5/28	3.0	4.0		126	116	112	106	100	96	91	87	70	56	40	
-----	4SP5/38	4.0	5.5		176	162	157	148	140	134	127	122	98	78	56	
-----	4SP5/48	5.5	7.5		239	220	213	201	190	182	173	165	133	106	76	
-----					302	278	269	254	240	230	218	209	168	134	96	

Type		Motor power		Delivery N ≈ 2850 r/min												
1~ 220V-240V	3~ 380V-415V	KW	HP	Q m³/h l/min	0	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8			
4SPm8/5	4SP8/5	0.75	1.0		H(m)	0	70	80	90	100	120	140	160	180		
4SPm8/7	4SP8/7	1.1	1.5		29	25	23	22	21	20	18	15	11			
4SPm8/10	4SP8/10	1.5	2.0		41	35	32	31	30	28	25	21	15			
4SPm8/13	4SP8/13	2.2	3.0		59	51	46	44	42	40	36	30	22			
-----	4SP8/19	3.0	4.0		76	66	60	57	55	52	47	39	29			
-----	4SP8/25	4.0	5.5		111	96	87	84	81	76	68	57	42			
-----	4SP8/34	5.5	7.5		147	126	115	110	106	100	90	75	55			
-----	4SP8/44	7.5	10		199	172	156	150	144	136	122	102	75			
-----					258	232	220	205	187	166	148	122	97			



- Close coupled multi-stage submersible pumps in chrome-nickel stainless steel.
- Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed.
- Double shaft seal with interposed oil chamber.
- The suction strainer prevents the entrance of solids with diameter bigger than: 2mm.

Application

- For water supply from wells, tanks or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation
- Utilization of rain water

Operating Conditions

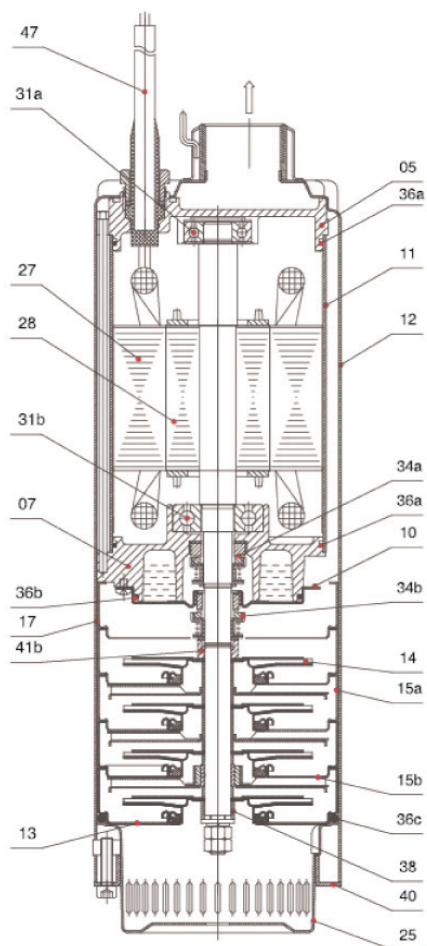
- Water temperature up to 35°C
- Minimum internal diameter of well : 132 mm
- Minimum immersion depth : 100 mm
- Maximum immersion depth : 20 m (with suitable cable length)
- Continuous duty

Motor

- 2-pole induction motor
- XHm : three phase 230 v + 10 % , 50HZ : 220v + 10 % , 60HZ
three phase 400 v + 10 % , 50HZ : 380v + 10 % , 60HZ
- XHm : single phase 230 v + 10 % , 50HZ : 220v + 10 % , 60HZ
- Control box with capacitor and thermal device Float switch(on demand)
- Cable length : 15 m
- Insulation class : F
- Protection class : IP 68

Special features on request

- Other voltages
- The length of cable is optional



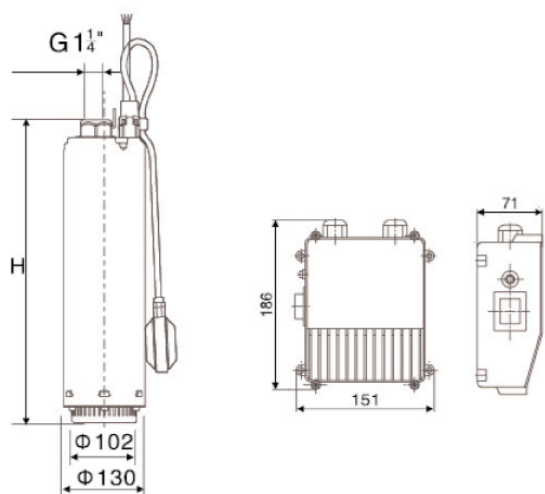
Materials of construction

Item No.	Part name	Material
05※	Up-Bearing house	Cast-cu
07※	Bearing house	Cast-cu
10	Seal bracket	AISI304SS
11	Motor casing	AISI304SS
12	Outer casing	AISI304SS
13	Pump casing	AISI304SS
14	Impeller	AISI304SS
15a,b	Diffuser&casing	AISI304SS
17	Suction Interconnector	AISI304SS
25	Strainer	AISI304SS
27	Stator	
28	Rotor	
31a,b	Bearing	
34a	Mechanical seal	Carbon-Ceramic
34b	Mechanical seal	Sic-Sic
36	O'ring	NBR
38	Shaft sleeve	AISI304SS
41b	Pressing block	AISI304SS
47	Cable	H07RN-F

※Optional:AISI304SS

Dimensions & weights

Model	H mm	Kg						Packing dimension mm	
		MXS		MXSM		MXSM CG			
		N.W	G.W	N.W	G.W	N.W	G.W		
50Hz	XHm2/3	410	12.4	13.0	13.7	14.5	14.0	14.8	515 x 230x180
	XHm2/4	434	12.8	13.5	14.2	15.1	14.5	15.4	540 x 230x180
	XHm2/5	458	14.7	15.4	16.5	17.5	16.8	17.8	590 x 230x180
	XHm2/6	506	16.0	16.8	17.8	18.9	18.1	19.2	625 x 230x180
	XHm2/7	530	16.5	17.4	18.3	19.5	18.6	19.8	650 x 230x180
	XHm2/8	554	17.8	18.7	19.7	21.0	20.0	21.3	685 x 230x180
	XHm4/3	434	13.1	14.5	14.7	15.8	15.0	16.1	540 x 230x180
	XHm4/4	458	15.0	15.7	16.7	19.9	17.0	18.2	575 x 230x180
	XHm4/5	482	16.3	17.0	18.2	19.3	18.5	19.6	610 x 230x180
	XHm4/6	506	16.8	17.6	18.7	19.9	19.0	20.2	635 x 230x180
	XHm4/7	554	18.9	20.8	22.3	23.6	22.6	23.9	695 x 230x180
	XHm4/8	578	19.4	20.2	22.8	24.2	23.1	24.5	720 x 230x180
60Hz	XHm8/3	453	15.8	16.5	18.2	19.3	18.5	19.5	580 x 230x180
	XHm8/4	506	16.6	17.4	21.2	22.4	21.5	22.7	650 x 230x180
	XHm2/2	386	11.9	12.5	12.9	13.5	13.2	13.8	490 x 230x180
	XHm2/3	410	13.7	14.3	14.8	15.4	15.1	15.7	540 x 230x180
	XHm2/4	458	15.8	16.5	17.2	17.9	17.5	18.3	590 x 230x180
	XHm2/5	482	16.3	17.1	17.7	18.4	18.0	18.8	610 x 230x180
	XHm2/6	530	18.5	19.4	20.6	21.5	20.9	21.8	670 x 230x180
	XHm4/2	386	13.2	13.8	14.3	14.9	14.6	15.2	515 x 230x180
	XHm4/3	434	15.3	16.0	16.7	17.4	17.0	17.7	565 x 230x180
	XHm4/4	482	17.4	18.2	19.6	20.4	19.9	20.7	625 x 230x180
	XHm4/5	506	18.9	19.8	21.0	21.8	21.3	22.2	650 x 230x180
	XHm8/2	448	16.4	17.1	17.6	18.3	17.9	18.6	590 x 230x180
XHm8/3	482	18.4	19.2	20.5	21.3	20.8	21.5	620 x 230x180	



XHm...CG
With float switch
pump (on demand)



NO.1807001

PRESSURE CONTROL

Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Relay Current	16A	16A	16A
MAX.Using Current/ MAX.Power	10A/1.1KW	10A/0.55KW	10A/0.55KW
Starting Pressure Setting	1.5bar	1.5bar	1.5bar
MAX.Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
MAX.Opration Temperature	55c	55c	55c



NO.1807002

PRESSURE CONTROL

Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Relay Current	16A	16A	16A
MAX.Using Current/ MAX.Power	10A/1.1KW	10A/0.55KW	10A/0.55KW
Starting Pressure Setting	1.5bar	1.5bar	1.5bar
MAX.Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
MAX.Opration Temperature	55c	55c	55c

PRESSURE CONTROL

Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Relay Current	16A	16A	16A
MAX.Using Current/ MAX.Power	10A/1.1KW	10A/0.55KW	10A/0.55KW
Starting Pressure Setting	1.5bar	1.5bar	1.5bar
MAX.Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
MAX.Opetration Temperature	55c	55c	55c



NO.1807003

PRESSURE CONTROL

Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Relay Current	16A	16A	16A
MAX.Using Current/ MAX.Power	10A/1.1KW	10A/0.55KW	10A/0.55KW
Starting Pressure Setting	1.5bar	1.5bar	1.5bar
MAX.Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
MAX.Opetration Temperature	55c	55c	55c



NO.1807004



NO.1807005

PRESSURE SWITCH

Rated Voltage	230V/110V	
Power Frequency	50/60Hz	
Rated Current	17A/1.5HP 20A/3HP	
Min.cut-in	1.4Bar	
Max.cut-in	12Bar	
Pressure Range	1.4-2.8Bar / 2.1-3.5Bar / 2.5-4.0Bar / 5-7Bar	
Cover color	Black	
Screw Type	Female	Male
Screw Size	1/4" / 3/8"	1/4"



NO.1807006

PRESSURE SWITCH

Rated Voltage	230V/110V	
Power Frequency	50/60Hz	
Rated Current	17A/1.5HP 20A/3HP	
Min.cut-in	1.4Bar	
Max.cut-in	12Bar	
Pressure Range	1.4-2.8Bar / 2.1-3.5Bar / 2.5-4.0Bar / 5-7Bar	
Cover color	Black	
Screw Type	Female	Male
Screw Size	1/4" / 3/8"	1/4"



NO.1807007

PRESSURE SWITCH

Rated Voltage	230V/110V	
Power Frequency	50/60Hz	
Rated Current	5A/10A	
Min.cut-in	0.8Bar	
Max.cut-in	3.0Bar	
Pressure Range	1.1-1.8Bar	
Cover color	Zin Alloy	
Screw Type	Female	Male
Screw Size	1/4" / 3/8"	1/4"