DOMESTIC PUMPS

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AQUASTRONG®

Watering the Life

Domestic Pumps

CE ISO 9001

AQUASTRONG Co.,Ltd

About us

AQUASTRONG was established in 1990s as a global water pumps provider based in Italy, develops and sells pumps for house,garden, agriculture and commercial applications.

Nowadays **AQUASTRONG**'s strategy enables it to supply best price/performance ratio pumps with the process of controlling and monitoring quality starting from R&D, throughout manufacturing, marketing, sales, and after saler service.

As a trusted name that is highly appreciated by customers to serve their needs better than similar products available in the market, and is recognized for transparency in business relationship.

Our mission

To be recognized pump brand that offers clients a comprehensive ranges of high quality pumps of international standards and that suits the needs of customers in the world, and support these products with an after sale service according to our warranty policy.

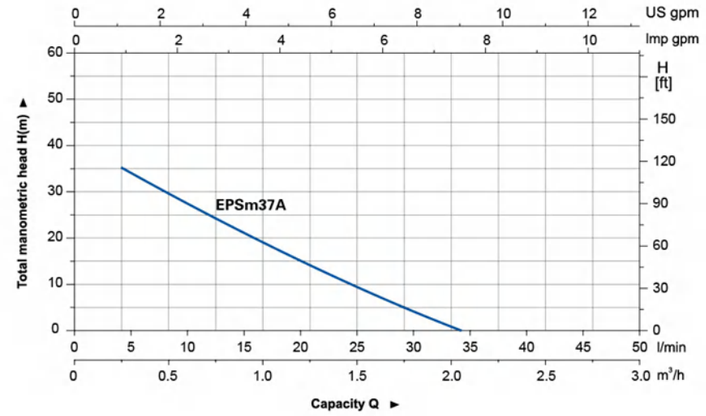
Our values

The core values of **AQUASTRONG** stem from the cerdibility of its products and relations with its clients. This credibility is evident in the careful control of product's standard, reliability, warranty and development. It also embraces our commitment of transparency and honesty in dealing with all stakeholders.

CONTENTS

EPSm

HYDRAULIC PERFORMANCE CURVE



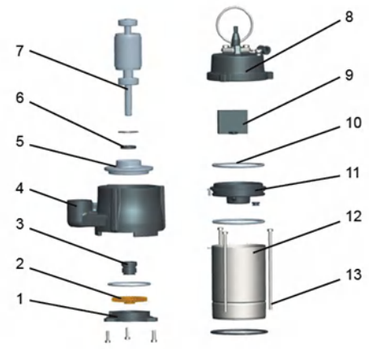
PUMP

- Submersible peripheral pump
- Special anti-rust treatment for cast iron pump body
- Max. fluid temperature: +35°C
- Max. immersion depth: 5 m
- Liquid PH value: 6.5 – 8
- Maximum sand content: 1%
- Maximum solid diameter: 0.2 mm

MODEL	POWER (kW)	POWER (HP)	OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
EPSm37A	0.37	0.5	1"	35	42	5

MOTOR

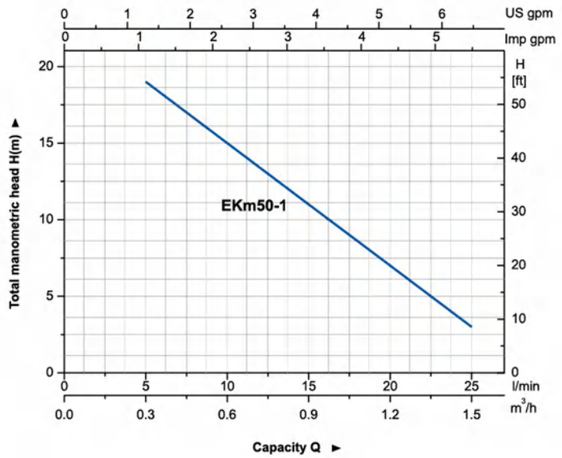
- Motor with copper winding
- Insulation class: F
- Protection class: IPX8



	Part
1	Casing cover
2	Impeller
3	Mechanical seal
4	Pump body
5	Lower bearing seat
6	Oil seal
7	Rotor
8	Top cover
9	Capacitor
10	O-ring
11	Upper bearing seat
12	Barrel
13	Screw

EKm

HYDRAULIC PERFORMANCE CURVE



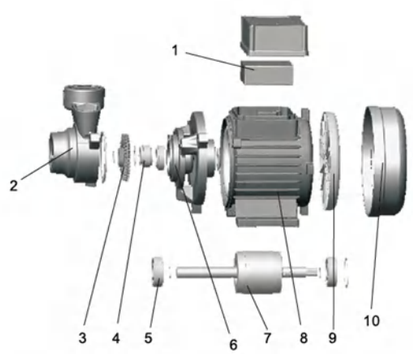
PUMP

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

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
	(kW)	(HP)				
EKm50-1	0.11	0.15	1″x1″	25	23	8

MOTOR

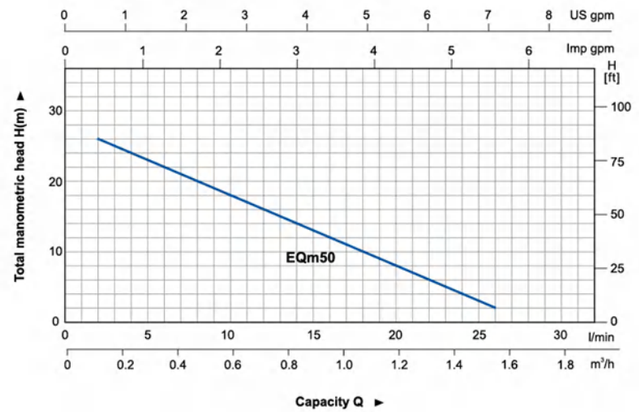
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Capacitor		
2	Pump body	Cast iron	E-coating
3	Impeller	Brass	
4	Mechanical seal	Ceramic/Carbon	
5	Bearing		
6	Support	Cast iron	E-coating
7	Rotor		Welded stainless steel shaft
8	Stator	Aluminum casting	
9	Fan	PP	
10	Fan cover	PP	

EQm

HYDRAULIC PERFORMANCE CURVE



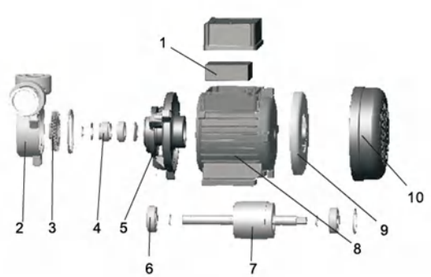
PUMP

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

MODEL	POWER		INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
	(kW)	(HP)				
EQm50	0.11	0.15	1″x1″	25	23	8

MOTOR

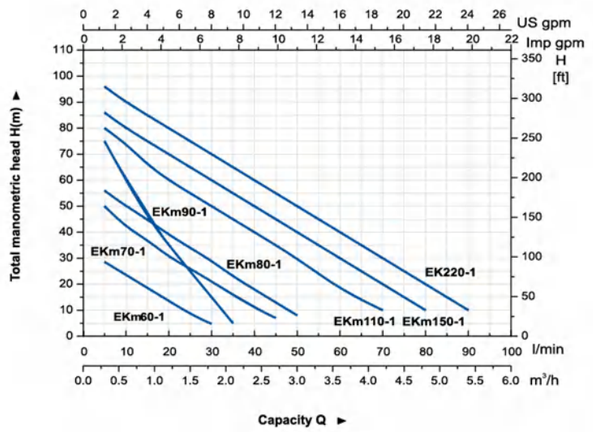
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Capacitor		
2	Pump body	Cast iron	E-coating
3	Impeller	Brass	
4	Mechanical seal	Ceramic/Carbon	
5	Support	Cast iron	E-coating
6	Bearing		
7	Rotor		Welded stainless steel shaft
8	Stator	Aluminum casting	
9	Fan	PP	
10	Fan cover	PP	

EKm

HYDRAULIC PERFORMANCE CURVE



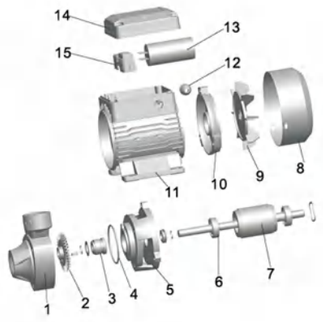
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EKm60–1	0.37	0.5	1″x1″	35	35	8
EKm70–1	0.6	0.8	1″x1″	45	53	8
EKm80–1	0.75	1.0	1″x1″	50	62	8
EKm90–1	0.75	1.0	3/4″x3/4″	35	90	8
EKm110–1	1.1	1.5	1″x1″	70	85	8
EKm150–1	1.5	2.0	1″x1″	80	90	8
EK220–1	2.2	3.0	1″x1″	90	100	8

MOTOR

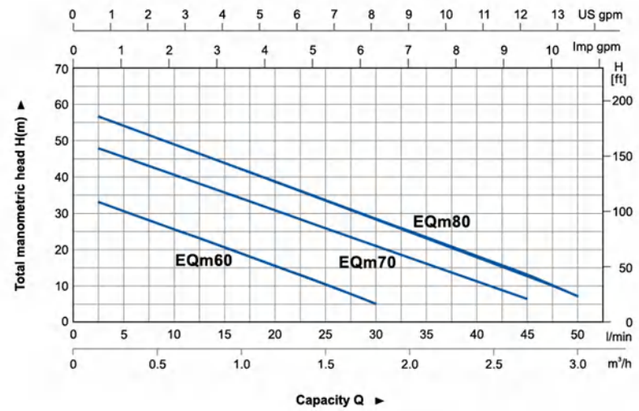
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Brass	
3	Mechanical seal	Ceramic/Carbon	
4	Sealing ring	NBR	
5	Support	Cast iron	E-coating
6	Bearing		
7	Rotor		Welded stainless steel shaft
8	Fan cover	Iron	
9	Fan	PP	
10	End plate	Aluminum	
11	Stator	Aluminum casting	
12	Outlet nozzle	NBR	
13	Capacitor		
14	Cover box	ABS	
15	Terminal		

EQm

HYDRAULIC PERFORMANCE CURVE



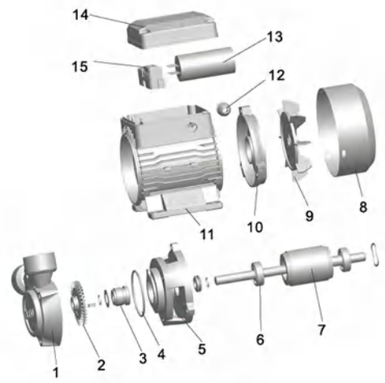
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EQm60	0.37	0.5	1″x1″	30	38	8
EQm70	0.6	0.8	1″x1″	45	53	8
EQm80	0.75	1.0	1″x1″	50	62	8

MOTOR

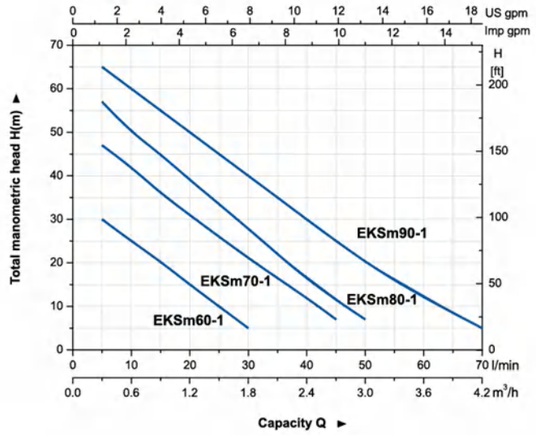
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Brass	
3	Mechanical seal	Ceramic/Carbon	
4	Sealing ring	NBR	
5	Support	Cast iron	E-coating
6	Bearing		
7	Rotor		Welded stainless steel shaft
8	Fan cover	Iron	
9	Fan	PP	
10	End plate	Aluminum	
11	Stator	Aluminum casting	
12	Outlet nozzle	NBR	
13	Capacitor		
14	Cover box	ABS	
15	Terminal		

EKSm

HYDRAULIC PERFORMANCE CURVE



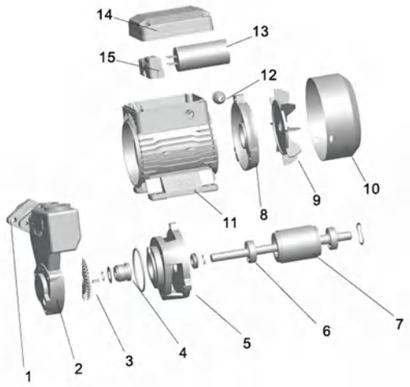
PUMP

- Transfer of clean water or non-aggressive liquid
- Brass impeller
- Special anti-rust treatment for pump body and support
- Max. liquid temperature: +40℃
- Max. suction: +9 m

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EKSm60–1	0.37	0.5	1″x1″	30	35	9
EKSm70–1	0.6	0.8	1″x1″	45	53	9
EKSm80–1	0.75	1.0	1″x1″	50	62	9
EKSm90–1	0.75	1.0	$1^1/_2$″x$1^1/_2$″	70	65	9

MOTOR

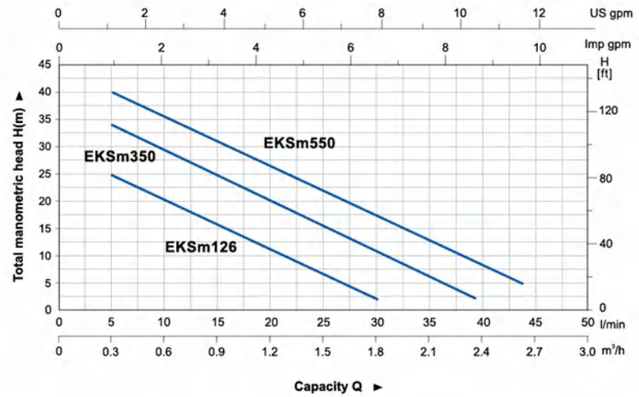
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Connector	Cast iron	
2	Pump body	Cast iron	E-coating
3	Impeller	Brass	
4	Mechanical seal	Ceramic/Carbon	
5	Support	Cast iron	E-coating
6	Bearing		
7	Rotor		Welded stainless steel shaft
8	End plate	Aluminum casting	Cold-rolled sheet
9	Fan	PP	
10	Fan cover	Iron	
11	Stator	Aluminum casting	
12	Outlet nozzle	NBR	
13	Capacitor	ABS	
14	Cover box		
15	Terminal		

EKSm

HYDRAULIC PERFORMANCE CURVE



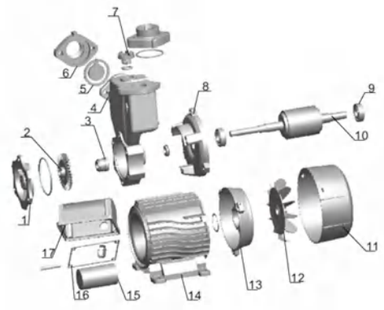
PUMP

- Special anti-rust treatment
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +40℃
- Max. suction: +9 m

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EKSm126	0.125	0.17	1″x1″	30	30	9
EKSm350	0.35	0.47	1″x1″	40	35	9
EKSm550	0.55	0.75	1″x1″	45	45	9

MOTOR

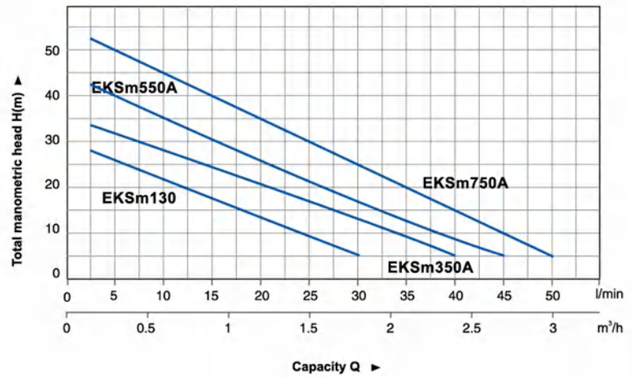
- C&U braring
- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump bonnet	Brass/Cast iron	E-coating
2	Impeller	Brass	
3	Mechanical seal	Ceramic/Carbon	E-coating
4	Pump body	Cast iron	
5	Check valve	NBR	
6	Outlet connector	Cast iron	
7	Filling plug	Brass	
8	Front plate	Cast iron	
9	Bearing		
10	Rotor		Welded stainless steel shaft
11	Fan cover	PP	
12	Fan	PP	
13	Rear cover	Aluminum	
14	Stator	Aluminum casting	
15	Capacitor		
16	Sealing ring	NBR	
17	Terminal box	ABS	

EKSm

HYDRAULIC PERFORMANCE CURVE



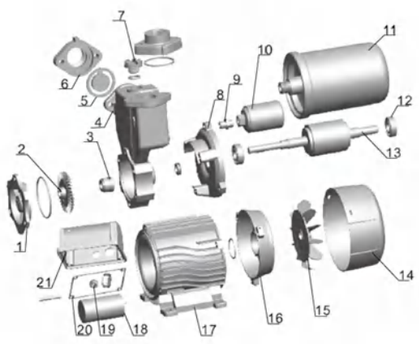
PUMP

- With 2 L pressure tank for automatic operation
- Special anti-rust treatment
- Brass impeller
- AISI 304 shaft
- Max. liquid temperature: +40℃
- Max. suction: +9 m

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EKSm130	0.125	0.17	1″x1″	30	30	9
EKSm350A	0.35	0.47	1″x1″	40	35	9
EKSm550A	0.55	0.75	1″x1″	45	45	9
EKSm750A	0.75	1	1″x1″	50	55	9

MOTOR

- C&U braring
- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

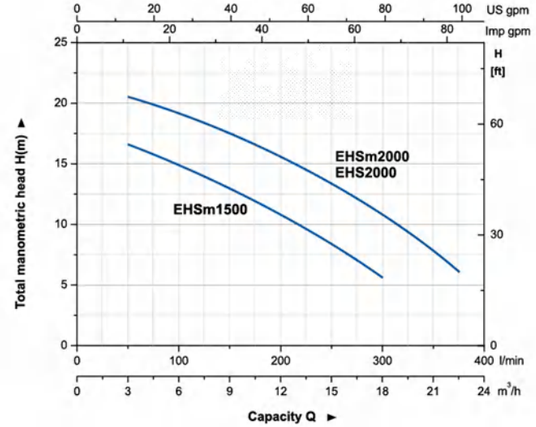


	Part	Material	Remark
1	Pump bonnet	Brass/Cast iron	E-coating
2	Impeller	Brass	
3	Mechanical seal	Ceramic/Carbon	
4	Pump body	Cast iron	E-coating
5	Check valve		
6	Outlet connector	Cast iron	
7	Filling plug	Brass	
8	Front plate	Cast iron	
9	Bearing	Iron	
10	Rotor		
11	Fan cover	Iron	
12	Fan		
13	Rear cover		Welded stainless steel shaft
14	Stator	PP	
15	Capacitor	PP	
16	Sealing ring	Aluminum	
17	Terminal box	Aluminum casting	
18	Capacitor		
19	Cable holder	NBR	
20	Sealing ring	NBR	
21	Terminal box	ABS	

AQUASTRONG
Self-priming Peripheral Pumps

EHSm

HYDRAULIC PERFORMANCE CURVE



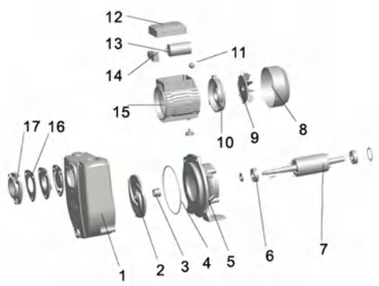
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EHSm1500	1.5	1.5	2″x2″	300	19	8
EHSm2000	1.5	2.0	2″x2″	350	23	8
EHS2000	1.5	2.0	2″x2″	350	23	8

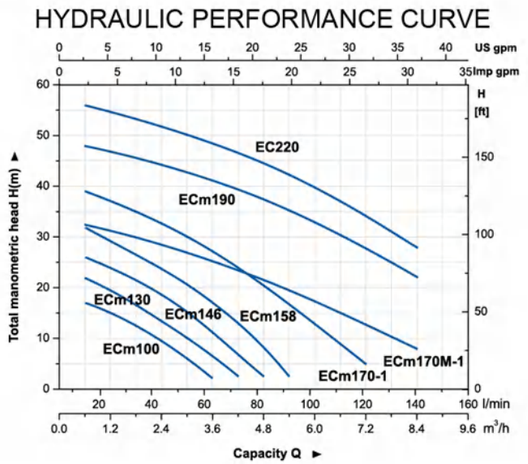
MOTOR

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



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Cast iron	
3	Mechanical seal	Ceramic/Carbon	
4	Sealing ring	NBR	
5	Support	Cast iron	E-coating
6	Bearing		
7	Rotor	Cold-rolled sheet	Welded stainless steel shaft
8	Fan cover	Iron	
9	Fan	Noryl	
10	End plate	Aluminum	
11	Outlet nozzle	NBR	
12	Cover box	ABS	
13	Capacitor		
14	Terminal		
15	Stator	Aluminum casting	Cold-rolled sheet
16	Sealing gasket	NBR	
17	Inlet connector	Cast iron	

ECm



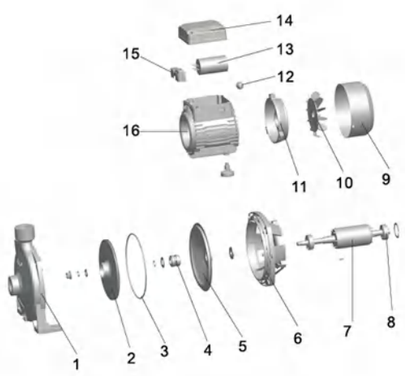
PUMP

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

MOTOR

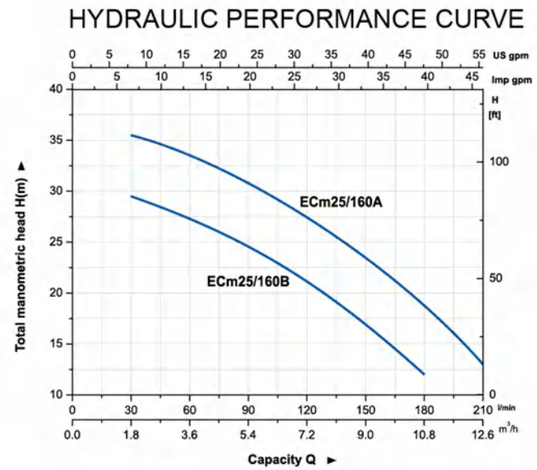
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
ECm100	0.25	0.33	1"x1"	60	17.5	8
ECm130	0.37	0.5	1"x1"	70	23	8
ECm146	0.60	0.8	1"x1"	80	27	8
ECm158	0.75	1.0	1"x1"	90	33	8
ECm170-1	1.1	1.5	1"x1"	120	41	8
ECm170M-1	1.1	1.5	1¼"x1"	140	33	8
ECm190	1.5	2.0	1¼"x1"	140	50	8
EC220	2.2	3.0	1¼"x1"	150	58	8



	Part	Material	Remark
1	Pump boby	Cast iron	E-coating
2	Impeller	Brass/Noryl/Stainless steel	
3	Sealing ring	NBR	
4	Mechanical seal	Ceramic/Carbon	
5	Bracket cover	Stainless steel	
6	Support	Aluminum	
7	Rotor	Cold-rolled sheet	
8	Bearing		
9	Fan cover	Iron	
10	Fan	Noryl	
11	End plate	Aluminum	
12	Outlet nozzle	NBR	
13	Capacitor		
14	Cover box	ABS	
15	Wire holder assembly		
16	Stator	Aluminum casting	Cold-rolled sheet

ECm



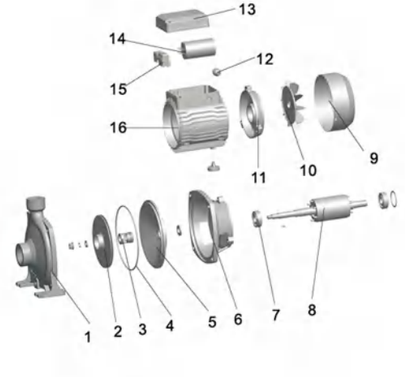
PUMP

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

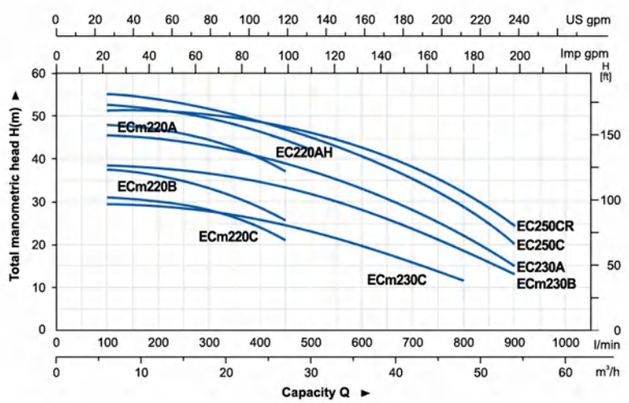
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
ECm25/160A	1.5	2.0	1½"x1"	210	37	8
ECm25/160B	1.1	1.5	1½"x1"	180	31	8



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Brass/Stainless steel	
3	Sealing ring	NBR	
4	Mechanical seal	Ceramic/Carbon	
5	Bracket cover	Cast iron	E-coating
6	Support	Aluminum	
7	Bearing		Welded stainless steel shaft
8	Rotor	Cold-rolled sheet	
9	Fan cover	Iron	
10	Fan	Noryl	
11	End plate	Cast iron	
12	Outlet nozzle	NBR	
13	Cover box	ABS	
14	Capacitor		
15	Terminal		
16	Stator	Aluminum casting	Cold-rolled sheet

ECm

HYDRAULIC PERFORMANCE CURVE



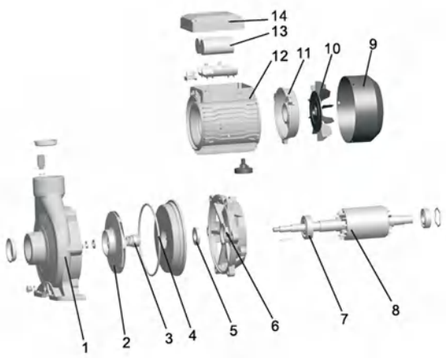
PUMP

- Cast iron pump body and support under special anti-rust treatment
- AISI 304 shaft
- Max. liquid temperature: +40℃
- Max. suction: +8 m

MOTOR

- C&U braring
- Motor with copper winding
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

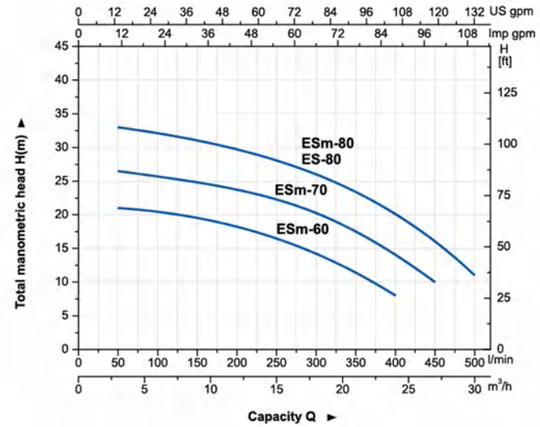
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
ECm220C	2.2	3	2″x2″	400	31	8
ECm220B	3	4	2″x2″	450	38	8
ECm220A	4	5.5	2″x2″	450	49	8
EC220AH	5.5	7.5	2″x2″	500	54	8
ECm230C	3	4	2″x2″	800	60	8
ECm230B	4	5	2″x2″	900	39	8
EC230A	5.5	7.5	2″x2″	900	46.5	8
EC250C	7.5	10	2″x2″	900	56.5	8
EC250CR	7.5	10	4″x3″	900	52.5	8



	Part	Material	Remark
1	Pump body	HT200	
2	Impeller	AISI 304 Brass	
3	Mechanical seal	Carbon/Ceramic	
4	Bracket cover	HT200	
5	Oil seal		
6	Support	HT200	
7	Bearing		
8	Rotor		Welded stainless steel shaft
9	Fan cover	PP	
10	Fan	PP	
11	Rear cover	ZI102	
12	Stator		Cold-rolled sheet
13	Capacitor		
14	Terminal box	ABS	

ESm

HYDRAULIC PERFORMANCE CURVE



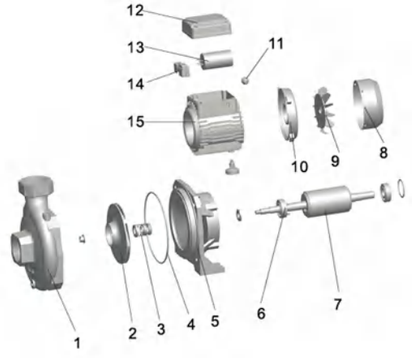
PUMP

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

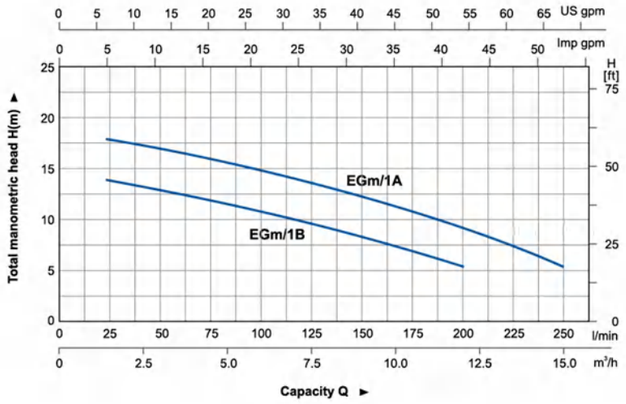
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
ESm-60	1.1	1.5	2″x2″	400	22	8
ESm-70	1.5	2.0	2″x2″	450	27	8
ESm-80	2.2	3.0	2″x2″	500	34	8
ES-80	2.2	3.0	2″x2″	500	34	8



	Part	Material	Remark
1	Pump body	Castiron	E-coating
2	Impeller	06Cr 19Ni 10	
3	Mechanical seal	Ceramic/Carbon	
4	Sealing ring	NBR	
5	Support	Cast iron	E-coating
6	Bearing		
7	Rotor	Cold-rolled sheet	Welded stainless steel shaft
8	Fan cover	Iron	
9	Fan	Noryl	
10	End plate	Aluminum	
11	Outlet nozzle	NBR	
12	Cover box	ABS	
13	Capacitor		
14	Terminal		
15	Stator	Aluminum casting	Cold-rolled sheet

EGm

HYDRAULIC PERFORMANCE CURVE



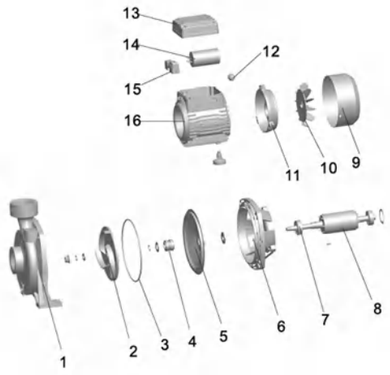
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EGm/1B	0.6	0.8	$1^1/_2$" x $1^1/_2$"	200	15	8
EGm/1A	0.75	1.0	$1^1/_2$" x $1^1/_2$"	250	19	8

MOTOR

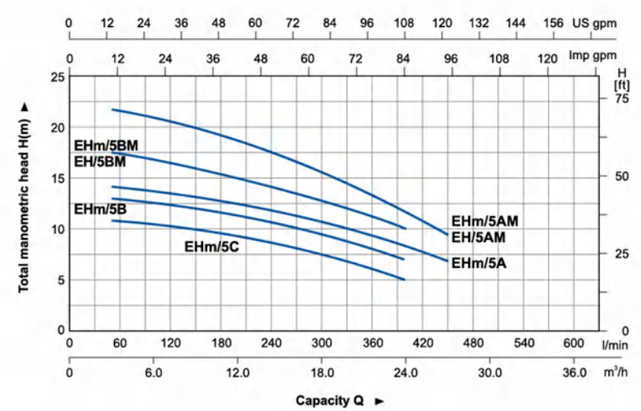
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Brass	
3	Mechanical seal	Ceramic/Carbon	
4	Sealing ring	NBR	
5	Bracket cover	Stainless steel	
6	Support	Cast iron	E-coating
7	Bearing		
8	Rotor	Cold-rolled sheet	Welded stainless steel shaft
9	Fan cover	Iron	
10	Fan	Noryl	
11	End plate	Aluminum	
12	Outlet nozzle	NBR	
13	Cover box	ABS	
14	Capacitor		
15	Terminal		
16	Stator	Aluminum casting	Cold-rolled sheet

EHm

HYDRAULIC PERFORMANCE CURVE



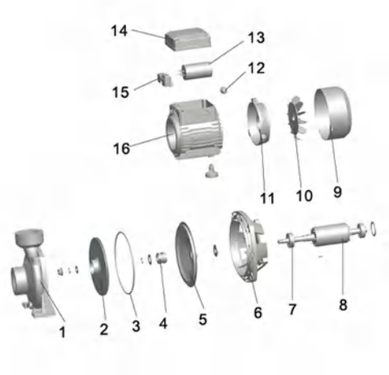
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EHm/5C	0.6	0.8	2"x2"	400	11	8
EHm/5B	0.75	1.0	2"x2"	400	13.5	8
EHm/5A	1.1	1.5	2"x2"	450	14.5	8
EHm/5BM	1.1	1.5	2"x2"	400	18	8
EHm/5AM	1.5	2.0	2"x2"	450	22	8
EH/5BM	1.1	1.5	2"x2"	400	18	8
EH/5AM	1.5	2.0	2"x2"	450	22	8

MOTOR

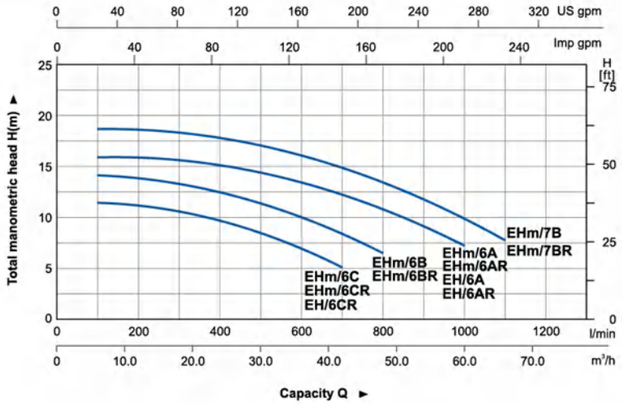
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump boby	Cast iron	E-coating
2	Impeller	Brass	
3	Sealing ring	NBR	
4	Mechanical seal	Ceramic/Carbon	
5	Bracket cover	Stainless steel	
6	Support	Aluminum	
7	Bearing		
8	Rotor	Cold-rolled sheet	Welded stainless steel shaft
9	Fan cover	Iron	
10	Fan	Noryl	
11	End plate	Aluminum	
12	Outlet nozzle	NBR	
13	Capacitor		
14	Cover box	ABS	
15	Wire holder assembly		
16	Stator	Aluminum casting	Cold-rolled sheet

EHm

HYDRAULIC PERFORMANCE CURVE



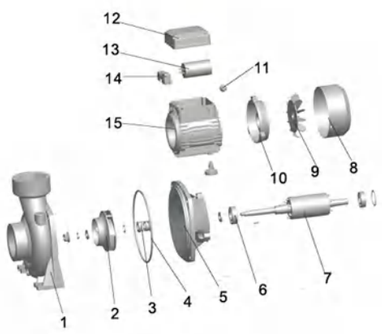
PUMP

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- High fow and medium/low head meet industrial and agricultural demand
- Max. liquid temperature: +40℃
- 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℃

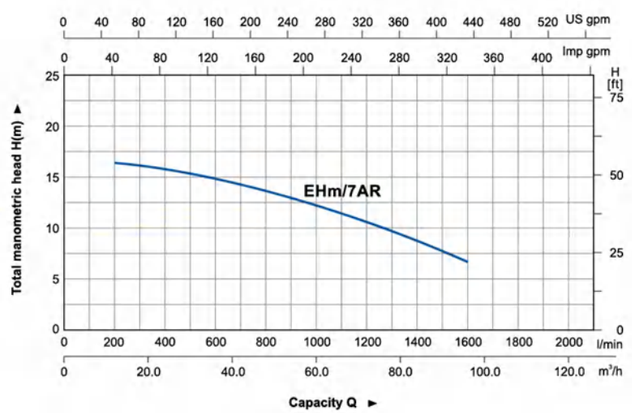
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EHm/6C	1.1	1.5	3"x3"	700	12	8
EHm/6CR	1.1	1.5	4"x4"	700	12	8
EHm/6B	1.5	2.0	3"x3"	800	14.5	8
EHm/6BR	1.5	2.0	4"x4"	800	14.5	8
EHm/6A	2.2	3.0	3"x3"	1000	16.5	8
EHm/6AR	2.2	3.0	4"x4"	1000	16.5	8
EHm/7B	3.0	4.0	3"x3"	1100	19.5	8
EHm/7BR	3.0	4.0	4"x4"	1100	19.5	8
EH/6CR	2.2	3.0	4"x4"	700	12	8
EH/6A	2.2	3.0	3"x3"	1000	16.5	8
EH/6AR	2.2	3.0	4"x4"	1000	16.5	8



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Brass	
3	Mechanical seal	Ceramic/Carbon	
4	Sealing ring	NBR	
5	Support	Cast iron	E-coating
6	Bearing		
7	Rotor	Cold-rolled sheet	Welded stainless steel shaft
8	Fan cover	Iron	
9	Fan	Noryl	
10	End plate	Aluminum	
11	Outlet nozzle	NBR	
12	Cover box	ABS	
13	Capacitor		
14	Terminal		
15	Stator	Aluminum casting	Cold-rolled sheet

EHm

HYDRAULIC PERFORMANCE CURVE



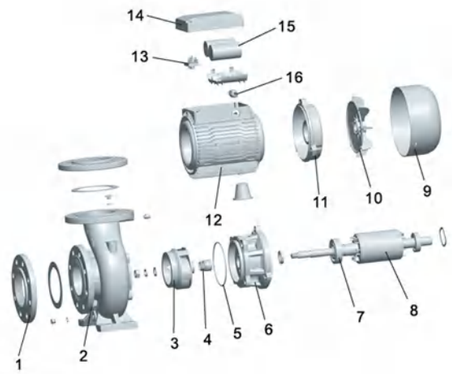
PUMP

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- High fow and medium/low head meet industrial and agricultural demand
- Max. liquid temperature: +40℃
- 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℃

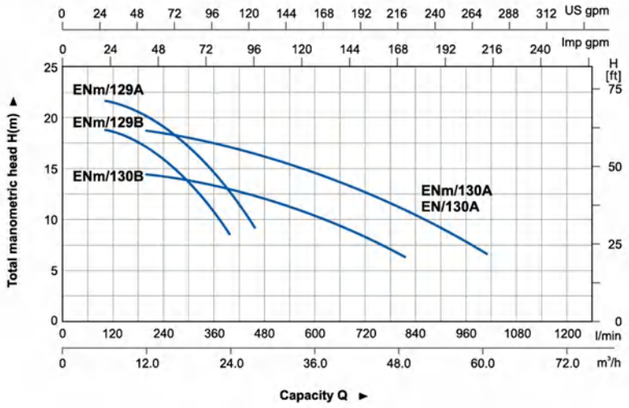
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EHm/7AR	4	5.5	4"x4"	1600	16.5	8



	Part	Material	Remark
1	Flange	HT200	
2	Pump body	HT200	E-coating
3	Impeller	HT200	
4	Mechanical seal	Ceramic/Carbon	
5	O-sealing ring	NBR	
6	Support	Ht200	E-coating
7	Bearing		
8	Rotor	Cold-rolled sheet	Welded stainless steel shaft
9	Fan cover	08F	
10	Fan	PP-GF10	
11	End plate	Ht200	
12	Stator	Aluminum casting	Cold-rolled sheet
13	Terminal board		
14	Terminal box	ABS	
15	Capacitor		
16	Outlet nozzle	NBR	

ENm

HYDRAULIC PERFORMANCE CURVE



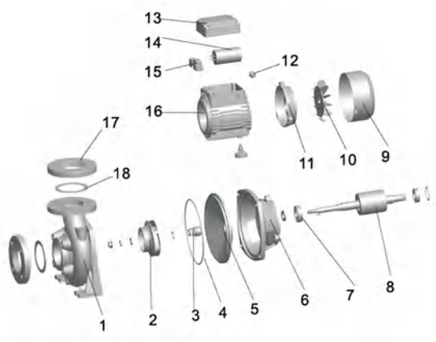
PUMP

- Transfer of clean water or non-aggressive liquid
- Special anti-rust treatment for pump body and support
- High fow and medium/low head meet industrial and agricultural demand
- Max. liquid temperature: +40℃
- 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℃

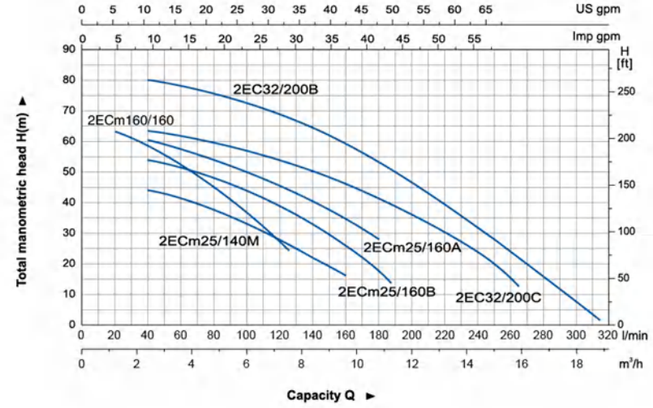
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
ENm/129B	1.1	1.5	2″x2″	400	18	8
ENm/129A	1.5	2.0	2″x2″	450	22	8
ENm/130B	1.5	2.0	3″x3″	800	14.5	8
ENm/130A	2.2	3.0	3″x3″	1000	16.5	8
EN/130A	2.2	3.0	3″x3″	1000	16.5	8



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Brass	
3	Mechanical seal	Ceramic/Carbon	
4	Sealing ring	NBR	
5	Bracket cover	Stainless steel	
6	Support	Cast iron	E-coating
7	Bearing		
8	Rotor	Cold-rolled sheet	Welded stainless steel shaft
9	Fan cover	Iron	
10	Fan	Noryl	
11	End plate	Aluminum	
12	Outlet nozzle	NBR	
13	Cover box	ABS	
14	Capacitor		
15	Terminal		
16	Stator	Aluminum casting	Cold-rolled sheet
17	Flange	Cast iron	
18	Flange gasket	NBR	

ECm

HYDRAULIC PERFORMANCE CURVE



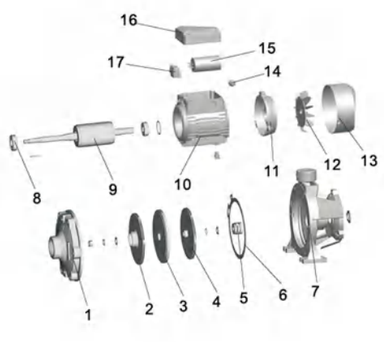
PUMP

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

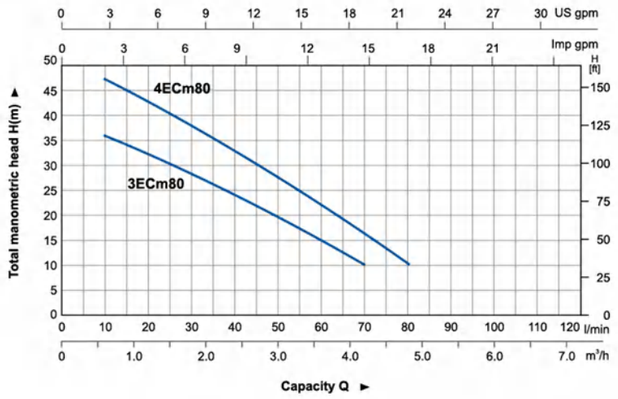
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
2ECm25/140M	1.1	1.5	$1^1/_2$″x1″	160	47	8
2ECm160/160	1.5	2.0	$1^1/_4$″x1″	125	66	8
2ECm25/160B	1.5	2.0	$1^1/_2$″x1″	185	57.5	8
2ECm25/160A	2.2	3.0	$1^1/_2$″x1″	180	65	8
2ECm32/200C	3.0	4.0	$1^1/_2$″x$1^1/_4$″	265	65	8
2EC32/200B	4.0	5.5	$1^1/_2$″x$1^1/_4$″	315	82	8



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Impeller	Brass	
3	Eliminator	Cast iron	
4	Impeller	Brass	
5	Mechanical seal	Ceramic/Carbon	
6	Sealing ring	NBR	
7	Support	Cast iron	
8	Bearing		
9	Rotor	Cold-rolled sheet	Welded stainless steel shaft
10	Stator	Aluminum casting	Cold-rolled sheet
11	End plate	Cast iron/Aluminum	
12	Fan	Noryl	
13	Fan cover	Iron	
14	Outlet nozzle	NBR	
15	Capacitor		
16	Cover box	ABS	
17	Terminal		

ECm

HYDRAULIC PERFORMANCE CURVE



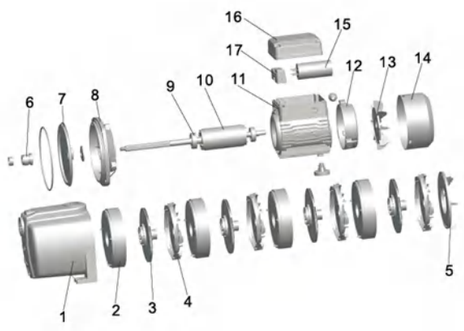
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
3ECm80	0.45	0.6	1″x1″	75	36	8
4ECm80	0.6	0.8	1″x1″	75	36	8

MOTOR

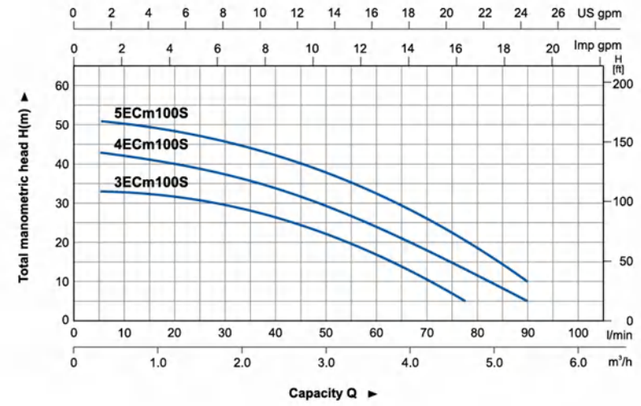
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Diffuser1	Noryl	
3	Impeller	Plastic	
4	Diffuser2	Noryl	
5	Diffuser bracket	Noryl	
6	Mechanical seal	Ceramic/Carbon	
7	Bracket cover	Stainless steel	
8	Support	Cast iron	E-coating
9	Bearing		
10	Rotor	Cold-rolled sheet	Welded stainless steel shaft
11	Stator	Aluminum casting	Cold-rolled sheet
12	End plate	Aluminum	
13	Fan	Noryl	
14	Fan cover	Iron	
15	Capacitor		
16	Cover box	ABS	
17	Terminal		

ECm

HYDRAULIC PERFORMANCE CURVE



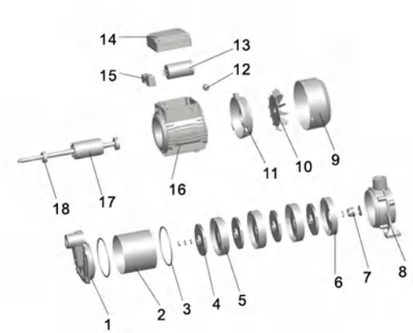
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
3ECm100S	0.6	0.8	1″x1″	80	35	8
4ECm100S	0.75	1.0	1″x1″	90	45	8
5ECm100S	0.9	1.2	1″x1″	90	55	8

MOTOR

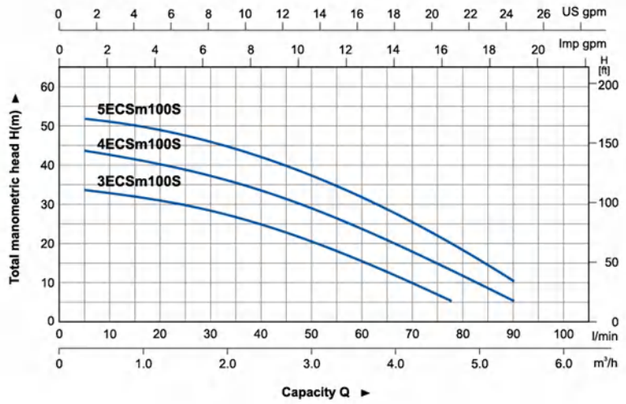
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Barrel	Stainless steel	
3	Sealing ring	NBR	
4	Impeller	Noryl	
5	Guide vane	Noryl	
6	Diffuser	Noryl	
7	Mechanical seal	Ceramic/Carbon	
8	Support	Cast iron	E-coating
9	Fan cover	Iron	
10	Fan	Noryl	
11	End plate	Aluminum	
12	Outlet nozzle	NBR	
13	Capacitor		
14	Cover box	ABS	
15	Terminal		
16	Stator	Aluminum casting	Cold-rolled sheet
17	Rotor	Cold-rolled sheet	Welded stainless steel shaft
18	Bearing		

ECSm

HYDRAULIC PERFORMANCE CURVE



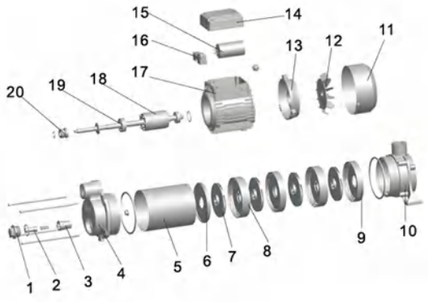
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
3ECSm100S	0.6	0.8	1″x1″	80	35	8
4ECSm100S	0.75	1.0	1″x1″	90	45	8
5ECSm100S	0.9	1.2	1″x1″	90	55	8

MOTOR

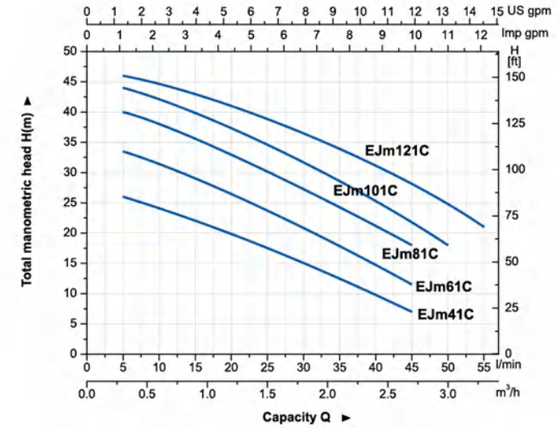
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump Plug	Noryl	
2	Pusher	Noryl	
3	Nozzle	Noryl	
4	Pump body	Cast iron	E-coating
5	Barrel	Stainless steel	
6	Pump Cover	Noryl	
7	Impeller	Noryl	
8	Discharge cover	Noryl	
9	Diffuser	Noryl	
10	Support	Cast iron	E-coating
11	Fan cover	Iron	
12	Fan	Noryl	
13	End plate	Aluminum	
14	Cover box	ABS	
15	Capacitor		
16	Terminal		
17	Stator	Aluminum casting	Cold-rolled sheet
18	Rotor	Cold-rolled sheet	Welded stainless steel shaft
19	Bearing		
20	Mechanical seal	Ceramic/Carbon	

EJm

HYDRAULIC PERFORMANCE CURVE



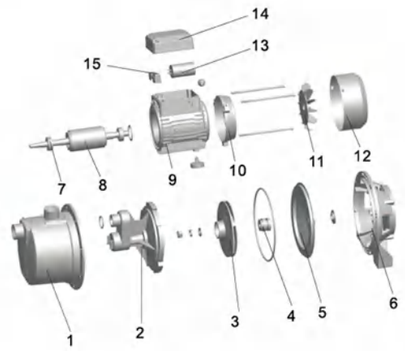
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EJm41C	0.3	0.4	1″x1″	45	29	9
EJm61C	0.45	0.6	1″x1″	45	38	9
EJm81C	0.6	0.8	1″x1″	45	42	9
EJm101C	0.75	1.0	1″x1″	50	46	9
EJm121C	0.9	1.2	1″x1″	55	48	9

MOTOR

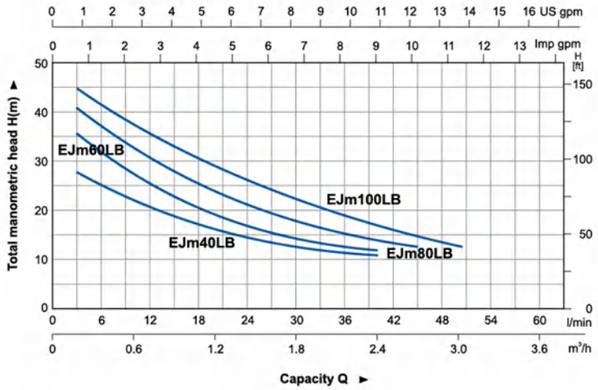
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump boby	Stainless steel	
2	Diffuser	PPO	
3	Impeller	Brass/PPO/Stainless steel	
4	Mechanical seal	Ceramic/Carbon	
5	Bracket cover	Stainless steel	
6	Support	Aluminum	
7	Bearing		
8	Rotor		Welded stainless steel shaft
9	Stator	Aluminum casting	
10	End plate	Aluminum	
11	Fan	PP	
12	Fan cover	Iron	
13	Capacitor		
14	Cover box	ABS	
15	Terminal		

EJm

HYDRAULIC PERFORMANCE CURVE



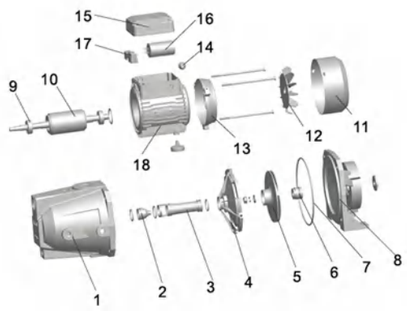
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EJm40LB	0.3	0.4	1″x1″	40	29	9
EJm60LB	0.45	0.6	1″x1″	40	38	9
EJm80LB	0.6	0.8	1″x1″	45	42	9
EJm100LB	0.75	1.0	1″x1″	50	46	9

MOTOR

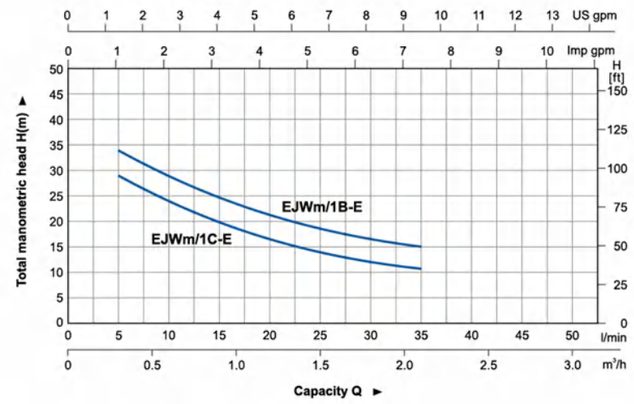
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Nozzle	PPO	
3	Runner body	PPO	
4	Water outlet cover	PPO	
5	Impeller	PPO	
6	Mechanical seal	Ceramic/Carbon	
7	Sealing ring	NBR	
8	Support	Cast iron	E-coating
9	Bearing		
10	Rotor		Welded stainless steel shaft
11	Fan cover	Iron	
12	Fan	PP	
13	End plate	Aluminum	
14	Outlet nozzle	NBR	
15	Cover box	ABS	
16	Capacitor		
17	Terminal		
18	Stator	Aluminum casting	DD750

EJWm

HYDRAULIC PERFORMANCE CURVE



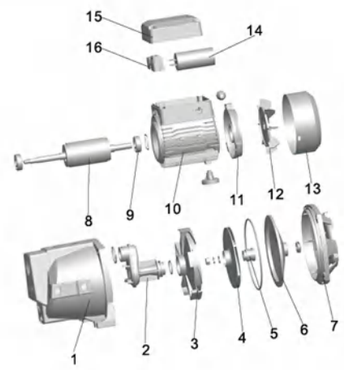
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EJWm/1C-E	0.37	0.5	1″x1″	35	35	9
EJWm/1B-E	0.5	0.7	1″x1″	35	38	9

MOTOR

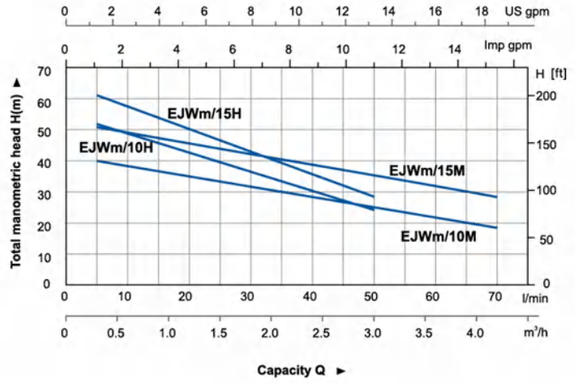
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Ventruri tube	PPO	
3	Discharge cover	PPO	
4	Impeller	PPO/Stainless steel/Brass	
5	Mechanical seal	Ceramic/Carbon	
6	Bracket cover	Stainless steel	
7	Support	Aluminum	
8	Rotor		Welded stainless steel shaft
9	Bearing		
10	Stator	Aluminum casting	
11	End plate	Aluminum	
12	Fan	PP	
13	Fan cover	Iron	
14	Capacitor		
15	Cover box	ABS	
16	Terminal		

EJWm

HYDRAULIC PERFORMANCE CURVE



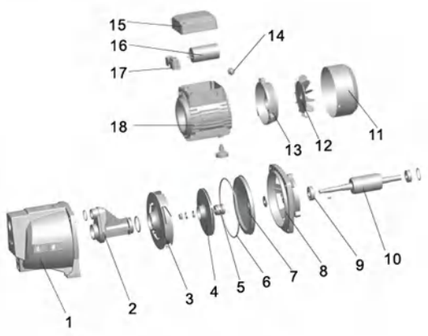
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EJWm/10H	0.75	1.0	1″x1″	50	56	9
EJWm/15H	1.1	1.5	1″x1″	50	66	9
EJWm/10M	0.75	1.0	1″x1″	70	44	9
EJWm/15M	1.1	1.5	1″x1″	70	52	9

MOTOR

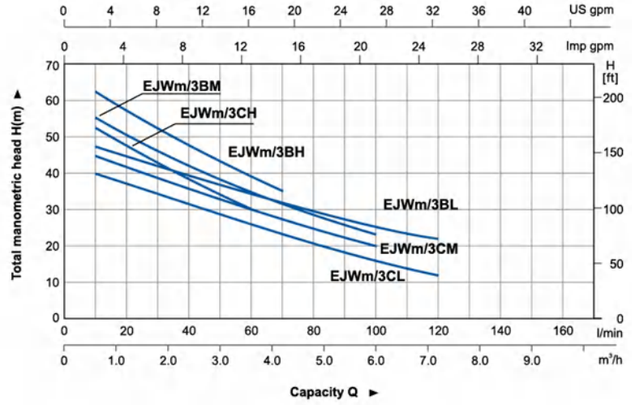
- Copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Ventruri tube	PPO	
3	Water outlet cover	PPO	
4	Impeller	PPO	
5	Mechanical seal	Ceramic/Carbon	
6	Sealing ring	NBR	
7	Bracket cover	Stainless steel	
8	Support	Aluminum	
9	Bearing		
10	Rotor		Welded stainless steel shaft
11	Fan cover	Iron	
12	Fan	PP	
13	End plate	Aluminum	
14	Outlet nozzle	NBR	
15	Cover box	ABS	
16	Capacitor		
17	Terminal		
18	Stator	Aluminum casting	

EJWm

HYDRAULIC PERFORMANCE CURVE



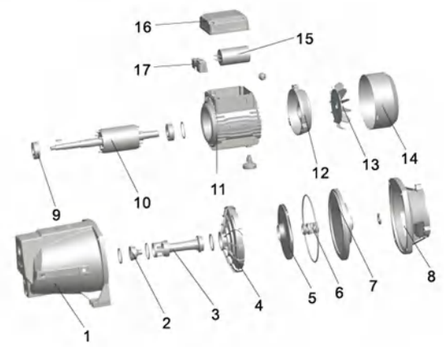
PUMP

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

MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EJWm/3CH	1.1	1.5	1¼″x1″	60	58	9
EJWm/3CM	1.1	1.5	1¼″x1″	100	48	9
EJWm/3CL	1.1	1.5	1¼″x1″	120	42	9
EJWm/3BH	1.5	2.0	1¼″x1″	70	66	9
EJWm/3BM	1.5	2.0	1¼″x1″	100	59	9
EJWm/3BL	1.5	2.0	1¼″x1″	120	51	9

MOTOR

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

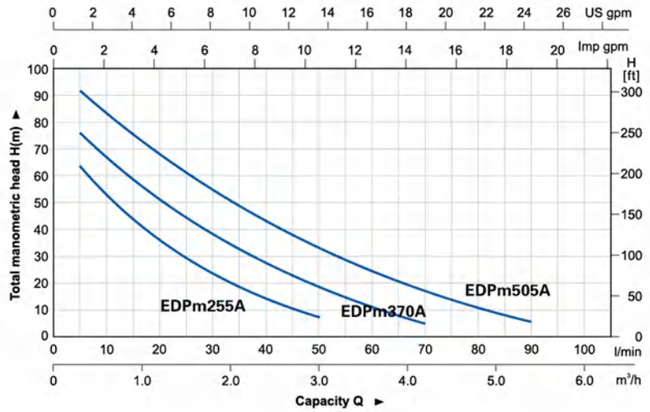


	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Nozzle	PPO	
3	Internal channel	PPO	
4	Discharge cover	PPO	
5	Impeller	Brass/Stainless steel	
6	Mechanical seal	Ceramic/Carbon	
7	Bracket cover	Cast iron	E-coating
8	Support	Aluminum casting	
9	Bearing		
10	Rotor		Welded stainless steel shaft
11	Stator	Aluminum casting	
12	End plate	Aluminum	
13	Fan	PP	
14	Fan cover	Iron	
15	Capacitor		
16	Cover box	ABS	
17	Terminal		

EDPm255A/EDPm370A

EDPm505A

HYDRAULIC PERFORMANCE CURVE



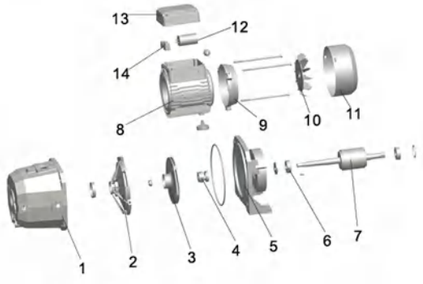
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EDPm255A	0.55	0.75	1¹/₄"x1"x1"	75	60	25
EDPm370A	0.75	1.0	1¹/₄"x1"x1"	85	80	25
EDPm505A	1.1	1.5	1¹/₄"x1"x1"	100	100	35

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℃
- Head up to 100 m
- Suction up to 45 m

MOTOR

- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

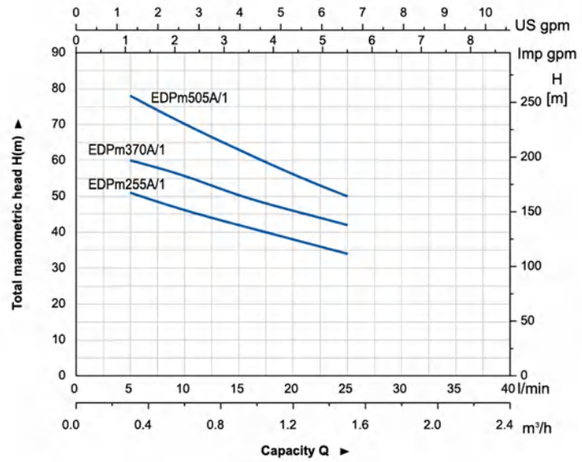


	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Discharge cover	PPO	
3	Impeller	Brass	
4	Mechanical seal	Ceramic/Carbon	
5	Bracket	Cast iron	E-coating
6	Bearing		
7	Rotor		Welded stainless steel shaft
8	Stator	Aluminum casting	
9	End plate	Aluminum	
10	Fan	PP	
11	Fan cover	Iron	
12	Capacitor		
13	Cover box	ABS	
14	Terminal		

EDPm255A/1/EDPm370A/1

EDPm505A/1

HYDRAULIC PERFORMANCE CURVE



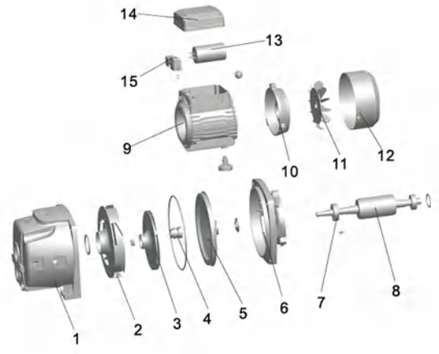
MODEL	POWER (kW)	POWER (HP)	INLET/OUTLET	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EDPm255A/1	0.55	0.75	1¹/₄"x1" x1"	35	57	25
EDPm370A/1	0.75	1.0	1¹/₄"x1" x1"	35	66	35
EDPm505A/1	1.1	1.5	1¹/₄"x1" x1"	35	85	45

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℃
- Head up to 100 m
- Suction up to 50 m

MOTOR

- Copper winding
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃



	Part	Material	Remark
1	Pump body	Cast iron	E-coating
2	Discharge cover	Noryl	
3	Impeller	Brass	
4	Mechanical seal	Ceramic/Carbon	
5	Bracket cover	Stainless steel	
6	Support	Aluminum	
7	Rotor	Cold-rolled sheet	Welded stainless steel shaft
8	Bearing		
9	Stator	Aluminum casting	Cold-rolled sheet
10	End plate	Aluminum	
11	Fan	Noryl	
12	Fan cover	Iron	
13	Capacitor		
14	Cover box	ABS	
15	Terminal		

EMS

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

- AISI 304 pump body
- AISI 304 shaft
- Max. liquid temperature: +85℃
- 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℃

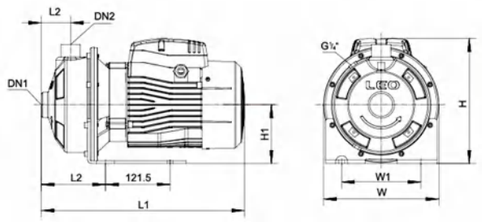
Identification Codes

EMS m 70 / 0.37

- Rated Power (kW)
- Rated Flow (l/min)
- Single Phase Motor (Omitted for three-phase motor)
- Stainless Steel Centrifugal Pump

Technical Data

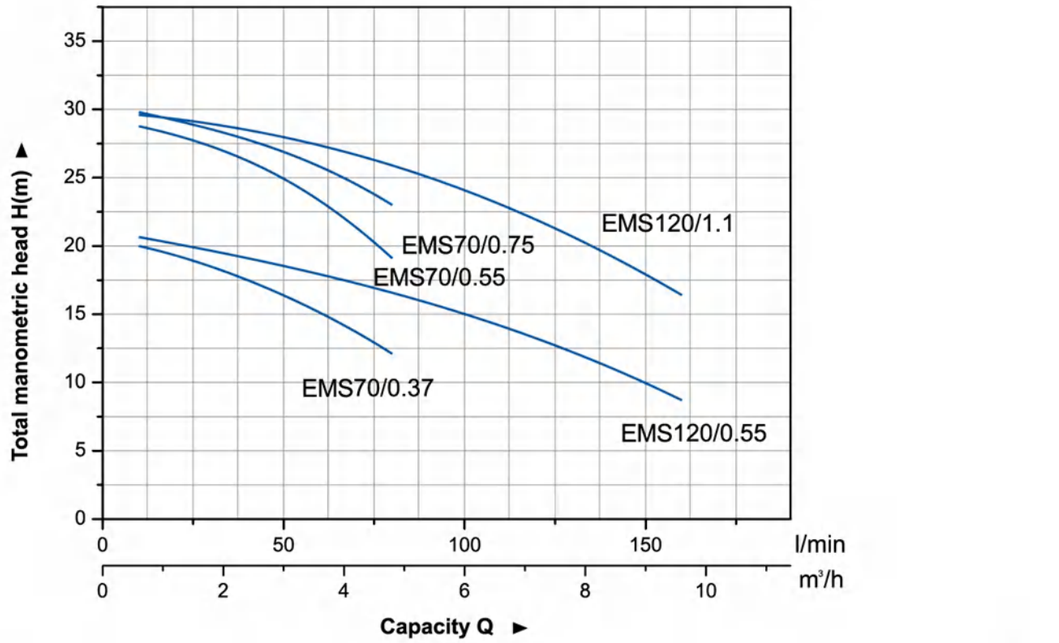
MODEL		POWER		l/min	0	30	40	60	80	100	120	140	160	180
Single Phase	Three Phase	kW	HP	m^3/h	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
EMSm70/0.37	EMS70/0.37	0.37	0.5	H (m)	20.9	19.0	18.1	15.7	12.1	-	-	-	-	-
EMSm70/0.55	EMS70/0.55	0.55	0.75		29.5	27.3	26.3	23.4	19.1	-	-	-	-	-
EMSm70/0.75	EMS70/0.75	0.75	1.0		30.4	28.5	27.8	26.0	23.0	-	-	-	-	-
EMSm120/0.55	EMS120/0.55	0.55	0.75		21.2	-	-	17.9	16.6	15.1	13.3	11.2	8.7	-
EMSm120/1.1	EMS120/1.1	1.1	1.5		20.2	-	-	26.7	25.1	23.3	21.2	19.0	16.4	-



Dimension

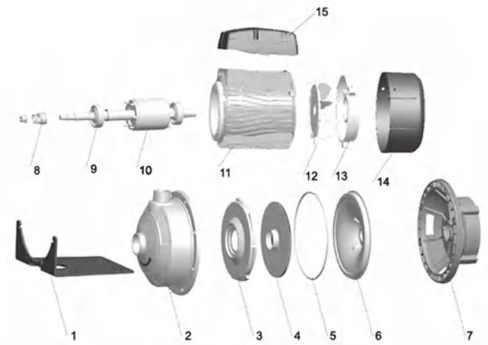
Model	Ports		L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	W_1 (mm)	H_1 (mm)
	DN1	DN2							
EMS70/0.37	1 1/4"	1"	332	210	224	119	55	149	110
EMS70/0.55	1 1/4"	1"	332	210	224	119	55	149	110
EMS70/0.75	1 1/4"	1"	381	210	234	119	55	149	110
EMS120/0.55	1 1/4"	1"	332	210	224	119	55	149	110
EMS120/1.1	1 1/4"	1"	381	210	234	119	55	149	110

Hydraulic Performance Curve



Materials Table

No.	Part	Material
1	Bottom support	Steel
2	Pump body	AISI 304
3	Diffuser	AISI 304
4	Impeller	AISI 304
5	O-ring	NBR
6	Airproof plate	AISI 304
7	Support	ZL102
8	Mechanical seal	Silicon/carbon
9	Ball bearing	
10	Rotor	
11	Stator	
12	Fan	PP
13	Rear housing	ZL102
14	Fan cover	PP
15	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EMS70/0.37	10	380	240	270	1200
EMS70/0.55	11	380	240	270	1200
EMS70/0.75	14	410	240	270	1104
EMS120/0.55	11	380	240	270	1200
EMS120/1.1	15	410	240	270	1104

EMS

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

- AISI 304 pump body
- AISI 304 shaft
- Max. liquid temperature: +85℃
- 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℃

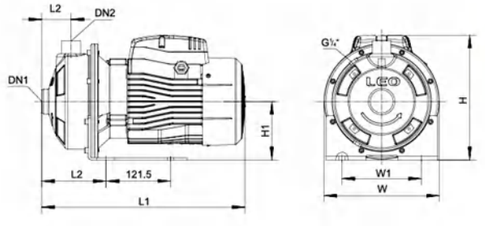
Identification Codes

EMS m 210 / 1.5

- 1.5 — Rated Power (kW)
- 210 — Rated Flow (l/min)
- m — Single Phase Motor (Omitted for three-phase motor)
- EMS — Stainless Steel Centrifugal Pump

Technical Data

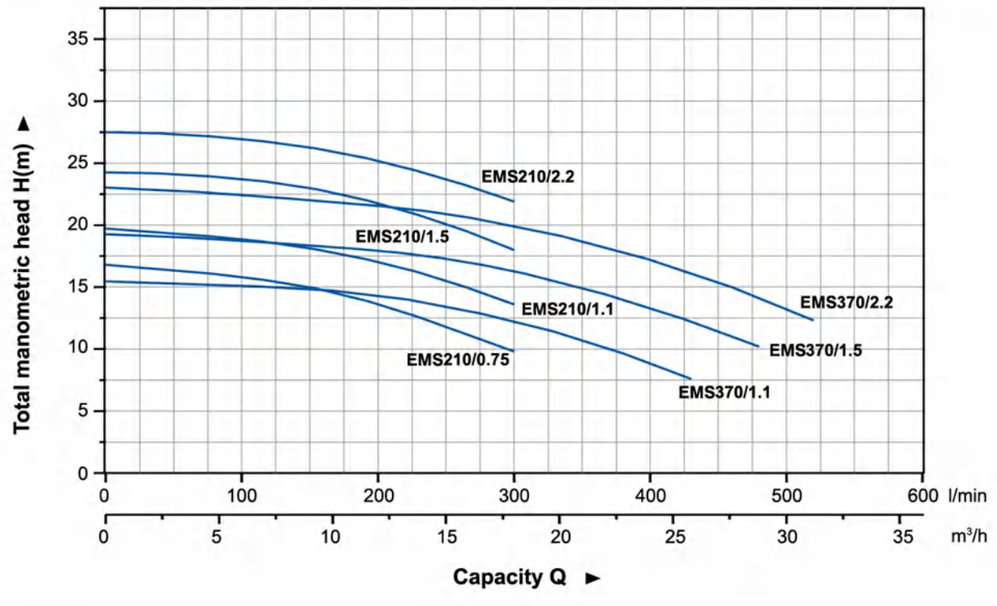
MODEL		POWER		l/min	0	30	60	100	120	140	160	180	200	250	300	350	400	430	480	520
Single Phase	Three Phase	kW	HP	m^3/h	0	1.8	3.6	6	7.2	8.4	9.6	10.8	12	15	18	21	24	26	29	31
EMSm210/0.75	EMS210/0.75	0.75	1.0	H (m)	16.8				15.6	15.2	14.8	14.2	13.6	11.9	9.8					
EMSm210/1.1	EMS210/1.1	1.1	1.5		19.7				18.7	18.3	18.0	17.5	17.1	15.6	13.6					
EMSm210/1.5	EMS210/1.5	1.5	2.0		24.2				23.5	23.2	22.8	22.4	21.8	20.2	18.0					
EMSm210/2.2	EMS210/2.2	2.2	3.0		27.5				26.7	26.5	26.1	25.7	25.2	23.8	21.9					
EMSm370/1.1	EMS370/1.1	1.1	1.5		15.4							14.7	14.4	13.5	12.3	10.8	8.9	7.6		
EMSm370/1.5	EMS370/1.5	1.5	2.0		19.3								18.1	17.3	16.3	15.0	13.3	12.3	10.2	
EMSm370/2.2	EMS370/2.2	2.2	3.0		23.1								21.7	20.9	20.0	18.8	17.2	16.2	14.2	12.3



Dimension

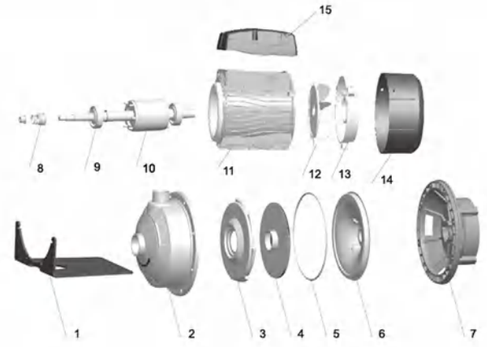
Model	Ports		L (mm)	W (mm)	H (mm)	L_1 (mm)	L_2 (mm)	W_1 (mm)	H_1 (mm)
	DN1	DN2							
EMS210/0.75	1 1/2"	1 1/4"	392	210	234	129	55	149	110
EMS210/1.1	1 1/2"	1 1/4"	392	210	234	129	55	149	110
EMS210/1.5	1 1/2"	1 1/4"	440	210	250	129	55	149	110
EMS210/2.2	1 1/2"	1 1/4"	440	210	250	129	55	149	110
EMS370/1.1	2"	1 1/4"	392	210	234	129	55	149	110
EMS370/1.5	2"	1 1/4"	440	210	250	129	55	149	110
EMS370/2.2	2"	1 1/4"	440	210	250	129	55	149	110

Hydraulic Performance Curve



Materials Table

No.	Part	Material
1	Bottom support	Steel
2	Pump body	AISI 304
3	Diffuser	AISI 304
4	Impeller	AISI 304
5	O-ring	NBR
6	Airproof plate	AISI 304
7	Support	ZL102
8	Mechanical seal	Silicon/carbon
9	Ball bearing	
10	Rotor	
11	Stator	
12	Fan	PP
13	Rear housing	ZL102
14	Fan cover	PP
15	Terminal box	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EMS210/0.75	14	410	240	270	1104
EMS210/1.1	15	410	240	270	1104
EMS210/1.5	18	465	240	270	968
EMS210/2.2	20	465	240	270	968
EMS370/1.1	15	410	240	270	1104
EMS370/1.5	18	465	240	270	968
EMS370/2.2	20	465	240	270	968

EBK

Application

- Suitable for cleaning systems for production lines and transfer of liquid medium containing impurities

Pump

- AISI 304 pump body
- AISI 304 shaft
- Liquid temperature: -15℃ ~ +80℃

Motor

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

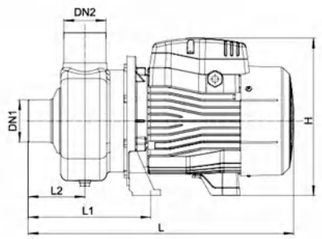
Identification Codes

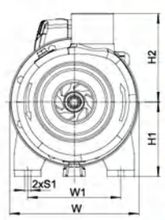
EBK 200 D

- D — Single Phase Motor (Omitted for three–phase motor)
- 200 — Power x 100 (W)
- EBK — Semi–open Impeller Pump

Technical Data

MODEL		POWER		Q (m^3/h)	1.2	2.4	3.6	4.8	6	12	18	24	33	42	48	57	66
Single Phase	Three Phase	kW	HP	Q (l/min)	20	40	60	80	100	200	300	400	550	700	800	950	1100
EBK50D	EBK50	0.37	0.5	H (m)	11.6	10.5	9.7	8.7	7.5	-	-	-	-	-	-	-	-
EBK100D	EBK100	0.75	1		-	-	-	-	8	7	5	-	-	-	-	-	-
EBK120D	EBK120	0.9	1.2		-	-	-	-	11	10	9	-	-	-	-	-	-
EBK150D	EBK150	1.1	1.5		-	-	-	-	9.5	8.8	7.8	6.7	5	-	-	-	-
EBK200D	EBK200	1.5	2		-	-	-	-	12.7	12	11.2	10	8.3	6.5	-	-	-
EBK300D	EBK300	2.2	3		-	-	-	-	15	14	13.5	12.7	11.2	9.8	8.9	7.5	-
–	EBK400	3	4		-	-	-	-	17.5	16.8	16	15.2	14	12.5	11.5	9.7	7.5



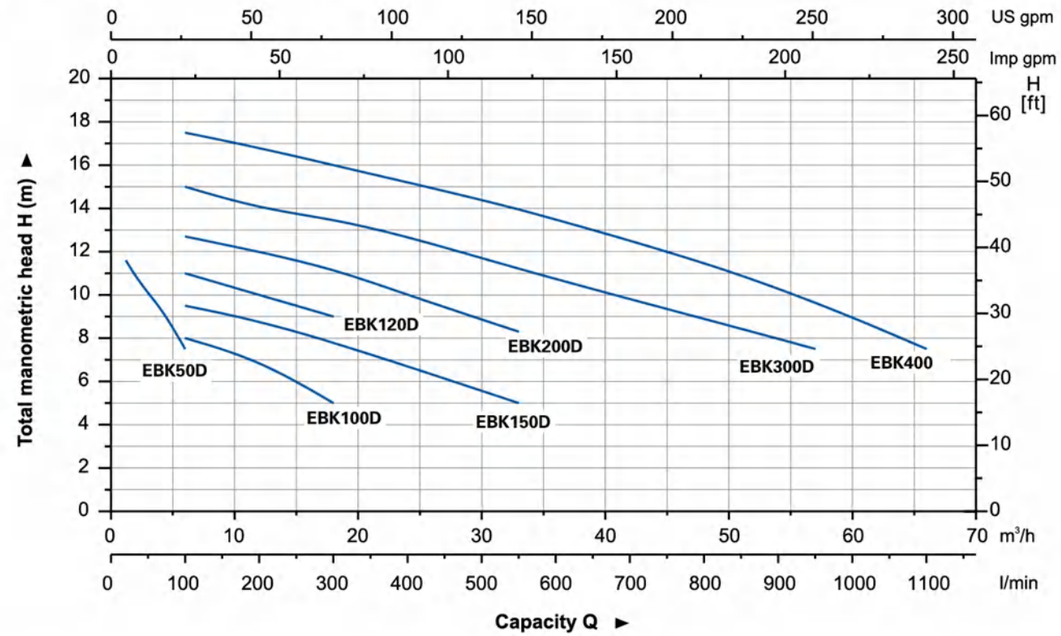


Dimension

Model	Ports		L (mm)	L_1 (mm)	L_2 (mm)	H (mm)	H_1 (mm)	H_2 (mm)	W (mm)	W_1 (mm)	S_1 (mm)
	DN1	DN2									
EBK50(D)	1 1/4"	1"	280	123	50	180	90	106	170	105	9
EBK100(D)	1 1/2"	1 1/2"	332	160	76	212	100	118	170	120	9
EBK120(D)	1 1/2"	1 1/2"	332	160	76	212	100	118	170	120	9
EBK150(D)	2"	2"	400	184	85	235	112	133	195	140	9
EBK200(D)	2"	2"	400	184	85	235	112	133	195	140	9
EBK300(D)	2 1/2"	2"	450	184	85	252	117	133	195	140	9
EBK400	2 1/2"	2"	450	184	85	252	117	133	195	140	9

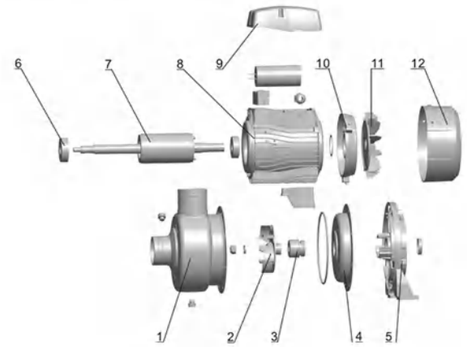
AQUASTRONG
Semi-open Impeller Stainless Steel Centrifugal Pump

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Impeller	AISI 304
3	Mechnical seal	Sic/Carbon
4	Bracket cover	AISI 304
5	Support	ZL102
6	Bearing	
7	Rotor	
8	Stator	
9	Terminal box	PC/ABS
10	Rear cover	ZL102
11	Fan	PP-GF30
12	Fan cover	08F



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EBK50(D)	6.5	310	190	215	2130
EBK100(D)	9.6	360	200	235	1566
EBK120(D)	10.7	360	200	235	1566
EBK150(D)	14	420	235	265	1032
EBK200(D)	15.7	420	235	265	1032
EBK300(D)	20.7	475	230	275	864
EBK400	21.8	475	230	275	864

EGP

Application

- To transfer clean water with liquid temperature between 0°C and 40°C
- Applicable in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, etc.

Features

- New unique design with ergonomic feature
- Portable and compact pump frame
- High quality motor with excellent performance and long service life
- Impeller designed with high effcient hydraulic system
- Low fuel consumption

Pump

- Anti-rust cast iron impeller and diffuser
- Max. suction: 8 m/120 s
- Inlet/outlet: 25 mm/38 mm

Engine

- Single cylinder, 2-stroke, Air-cooled
- Max. power: 1.6 HP
- Displacement: 42.7 cc
- Rated speed: 7500 rpm

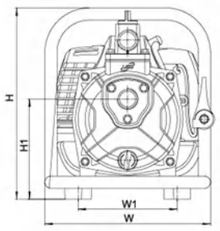
Identification Codes

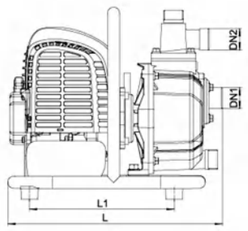
EGP 10

- 10 — Inlet/Outlet Diameter (1")
- EGP — Gasoline Engine Pump

Technical Data

MODEL	POWER	Q (m^3/h)	0	2	4	6	8	10	12	14	16	18
	HP	Q (l/min)	0	33.3	66.7	100	133.3	166.7	200	233.3	266.7	200
EGP10	1.6	H (m)	38	35.7	26.9	6	-	-	-	-	-	-
EGP15	1.6		37	36.8	34	33	30	22.5	23.5	15	5	-

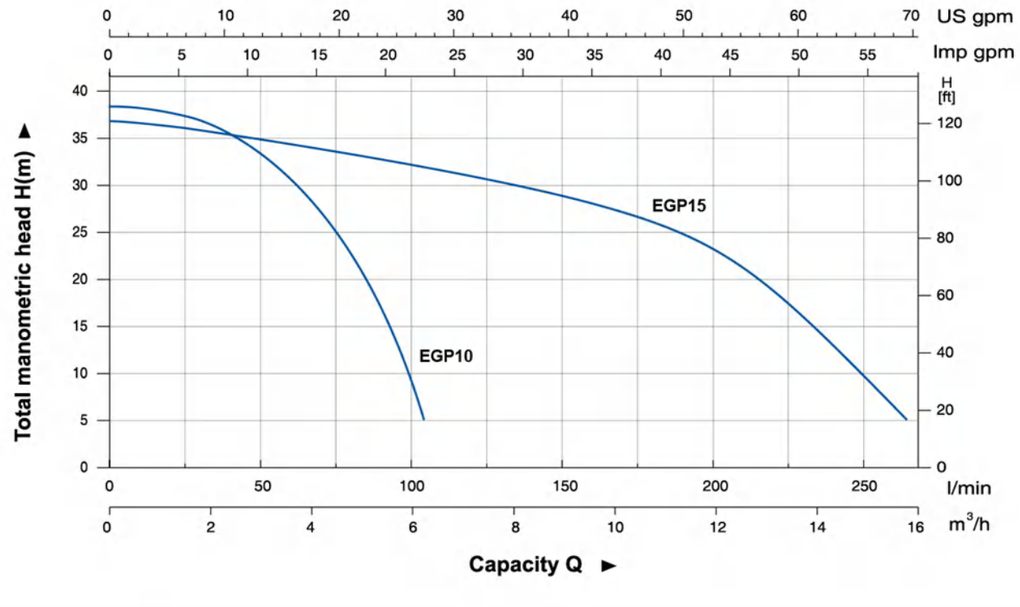




Dimension

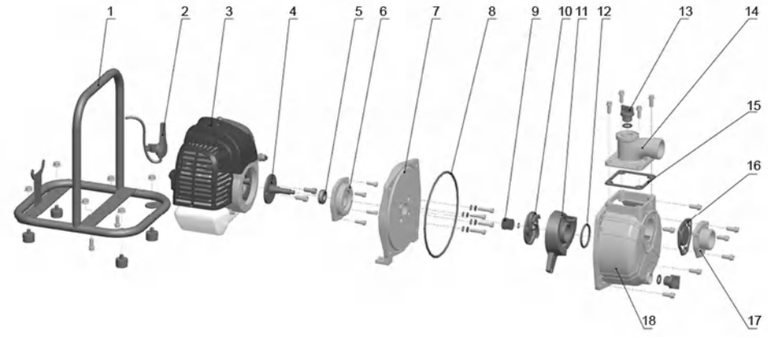
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
EGP10	1"	1"	336	279	300	217.5	155	157
EGP15	$1^1/_2$"	$1^1/_2$"	344	279	345	233	175	144

Hydraulic Performance Curve



Materials Table

No.	Part	Material
1	Frame	Steel
2	Throttle trigger	
3	Engine	
4	Crankshaft	
5	Bearing	
6	Seat connection	Aluminum
7	Pump cover	Aluminum
8	O-ring	NBR
9	Mechanical seal	Carbon/Ceramic
10	Impeller	HT200
11	Diffuser	HT200
12	O-ring	NBR
13	Plug	PP
14	Outlet	Aluminum
15	Seal	NBR
16	Non-return valve	NBR
17	Inlet	Aluminum
18	Pump body	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EGP10	8.1	350	290	325	896
EGP15	8.3	355	290	370	768

Application

- To transfer clean water with liquid temperature between 0℃ and 40℃
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, ect

Features

- 4-stroke gasoline engine power performance, structural optimization and upgrading
- Ignition more convenient, more complete combustion, low energy consumption, more environmentally friendly
- Strengthened pump body ensures more durable and relicalbe service
- Better sealing effect by using special mechanical seal
- Impeller designed with high efficient hydraulic system

Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m/120 s
- Inlet/outlet: 38 mm

Engine

- Single cylinder,4-stroke,Air-cooled
- Max.power: 3 HP
- Displacement: 87 cc
- Rated speed: 3600 rpm

EGP

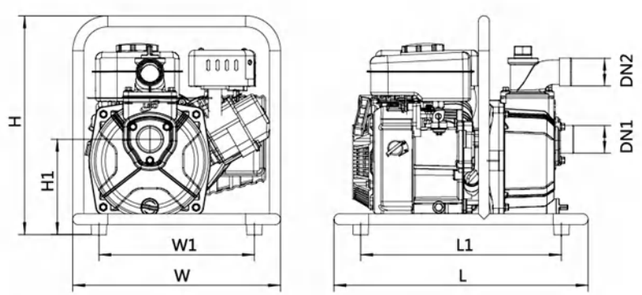
Identification Codes

EGP 15 - A

- A — Symbol for Product Optimization
- 15 — Inlet/Outlet Diameter ($1^1/_2$")
- EGP — Gasoline Water Pump

Technical Data

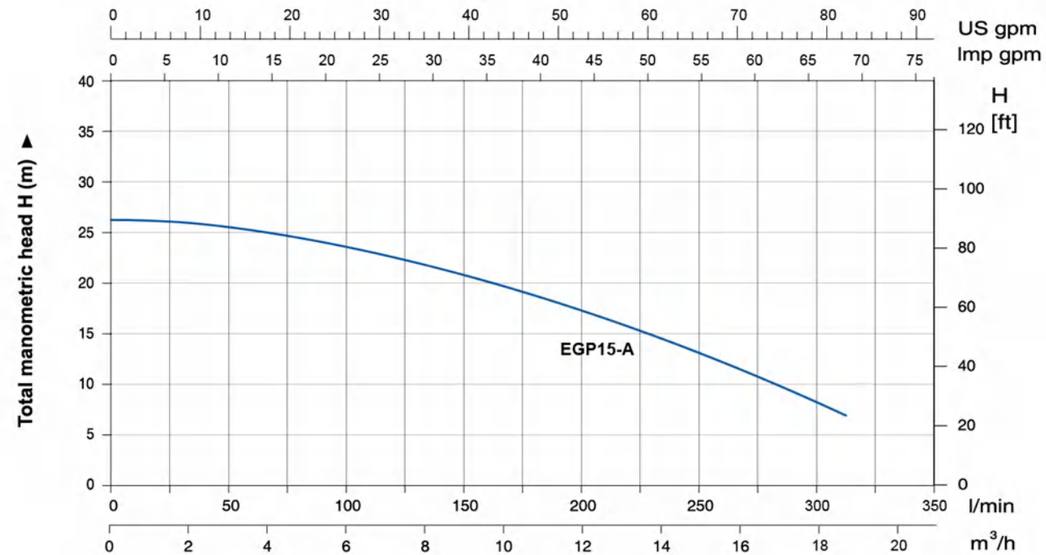
MODEL	POWER	Q (m^3/h)	0	2	4	6	8	10	12	14	16	18
	HP	Q (l/min)	0	33.3	66.7	100	133.3	166.7	200	233.3	266.7	300
EGP15-A	3	H (m)	26	25	24.8	23	22	20	17	15	12	7.2



Dimension

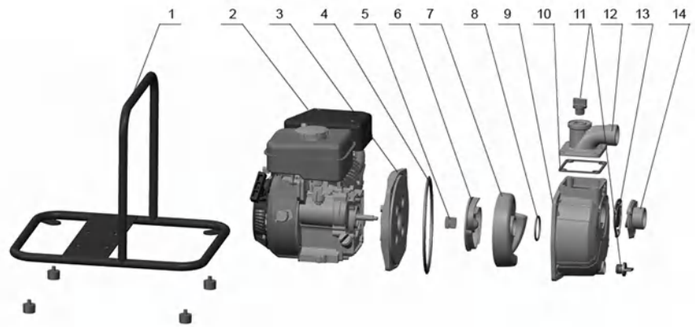
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
EGP15-A	$1^1/_2$"	$1^1/_2$"	438	358	377	346	268	164.2

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Pump cover	Aluminum
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	HT200
7	Diffuser	HT200
8	O-ring	NBR
9	Pump body	Aluminum
10	Seal	NBR
11	Plug	PP
12	Outlet	Aluminum
13	Non-return valve	NBR
14	Inlet	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EGP15-A	15.5	464	378	400	340

EGP

Application

- To transfer clean water with liquid temperature between 0℃ and 40℃
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, ect

Features

- Strengthened pump body ensures more durable and reliable service
- Better sealing effect by using special mechanical seal
- 5-direction outlet for convenient use
- Improved starter handle for easier starting
- 20% increased loading quantity thanks to very compact design
- Less gasoline consumption
- LEO engine as default, BS/Honda engine is optional

Pump

- Anti-rust cast iron impeller and diffuser
- High quality forged steel crankshaft
- Max. suction: 5 m/120 s
- Inlet/outlet: 38 mm/50 mm/80 mm

Engine

- Single cylinder, 4-stroke, Air-cooled
- Max. power: 3 HP/5.5 HP/6.5 HP
- Displacement: 87 cc/163 cc/196 cc
- Rated speed: 3600 rpm

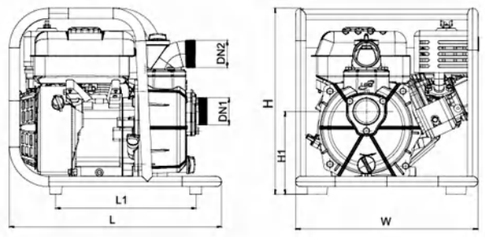
Identification Codes

EGP 20 - A

- A — Symbol for Product Optimization
- 20 — Inlet/Outlet Diameter (2")
- EGP — Gasoline Water Pump

Technical Data

MODEL	POWER	Q (m^3/h)	0	5	10	15	20	25	30	35	40	45	50	55	60
	HP	Q (l/min)	0	83.3	166.7	250	333.3	416.7	500	583.3	666.7	750	833.3	916.7	1000
EGP20-A	5.5	H (m)	32	29.1	25.2	21.5	16.6	11.3	6.5	-	-	-	-	-	-
EGP30-A	6.5		32	30.4	29.3	27.1	25.5	23	20.5	18	16.2	13.5	11	9	6

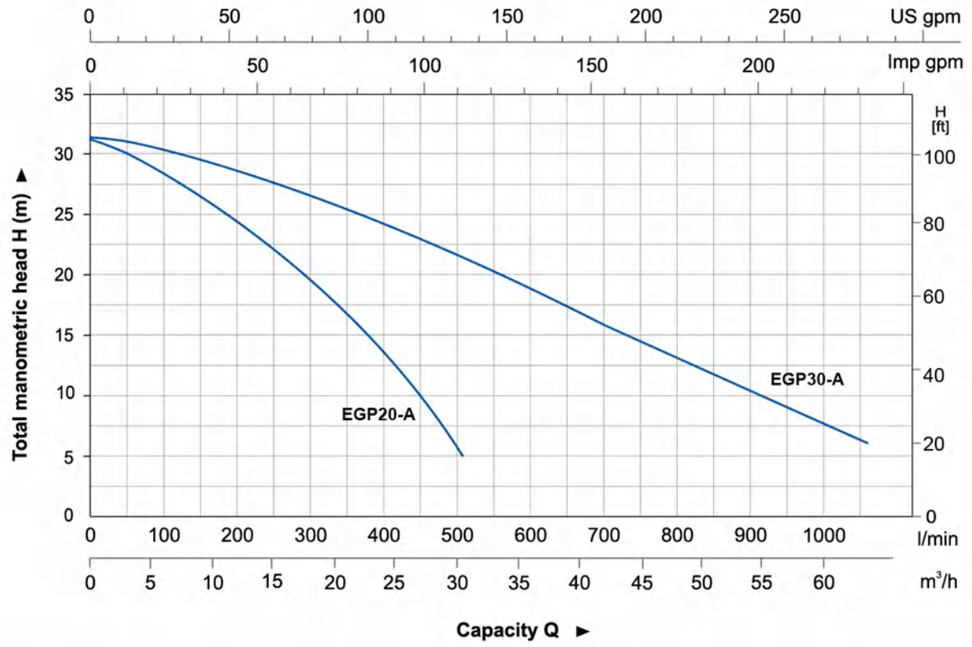


Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	H1 (mm)
EGP20-A	2"	2"	462	397.5	405.5	181
EGP30-A	3"	3"	462	397.5	405.5	189

AQUASTRONG
Gasoling Water Pumps

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Gasoline engine	
3	Pump cover	ADC12
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	Cast iron
7	Diffuser	Cast iron
8	O-ring	NBR
9	Pump body	Aluminum
10	Gasket	NBR
11	Outlet	Aluminum
12	Filling plug	PA6
13	Non-return valve	NBR
14	Inlet	Aluminum

Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EGP20-A	21.5	470	412	432	340
EGP30-A	23	470	412	432	340

EGP

Application

- To transfer clean water with liquid temperature between 0℃ and 40℃
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, ect

Features

- New unique design with ergonomic feature
- Portable and compact pump frame
- Hight quality motor with excellent performance and long service life
- Impeller designed with high efficient hydraulic system
- Low fuel consumption
- LEO engine as default, BS/Honda engine is optional

Pump

- Anti-rust cast iron diffuser
- Max. suction: 5 m/120 s
- Inlet/outlet: 50 mm/2 x 38 mm+1 x 50 mm
  38 mm/1 x 38 mm+2 x 25 mm

Engine

- Single cylinder, 4-stroke, Air-cooled
- Max. power: 6.5 HP
- Displacement: 196 cc/208 cc
- Rated speed: 3600 rpm

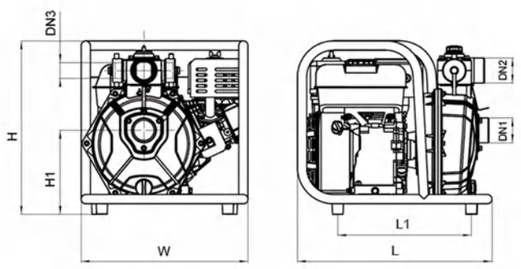
Identification Codes

EGP 20 - H

- H: High Head
- 20: Inlet/Outlet Diameter
- EGP: Gasoline Water Pump

Technical Data

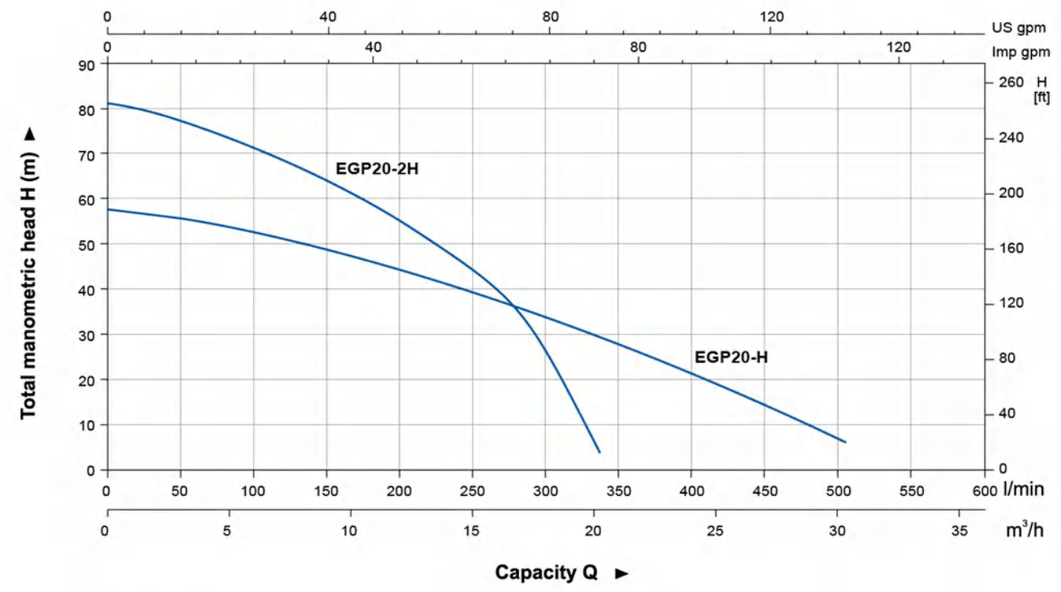
MODEL	POWER	Q (m^3/h)	0	5	10	15	20	25	30
	HP	Q (l/min)	0	83.3	166.7	250	333.3	416.7	500
EGP20-H	6.5	H (m)	58	51	45	38.5	29	19	6
EGP20-2H	6.5		81	72.5	60	45	5	-	-



Dimension

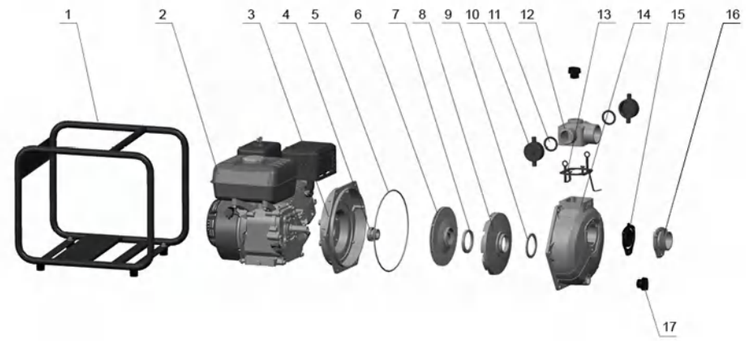
Model	DN1	DN2	2×DN3	L (mm)	W (mm)	H (mm)	H1 (mm)
EGP20-H	2"	2"	1.5"	463	397	412	200
EGP20-2H	2"	2"	1.5"	463	397	412	200

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Bracket	Aluminum
4	Mechanical seal	Carbon/Ceramic
5	O-ring	NBR
6	Impeller	Aluminum
7	Seal ring	NBR
8	Diffuser	HT200
9	Seal ring	NBR
10	Pipe blanking cap	PP
11	Seal ring	NBR
12	Outlet	Aluminum
13	Gasket	NBR
14	Pump body	Aluminum
15	Non-return valve	NBR
16	Inlet	Aluminum
17	Filling plug	PA6



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EGP20-H	22.22	470	412	432	340
EGP20-2H	22.24	470	412	432	340

Application

- To transfer clean water with liquid temperature between 0℃ and 40℃
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, ect

Features

- All new design with ergonomic feature
- Reliable 4-stroke gasoline engine with low fuel consumption and high quality crankshaft
- Portable, durable and compact pump frame
- Durable sealing system with special mechanical seal
- Optional outlet selection

Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m
- Inlet/outlet: 3"
- Max. diameter of particle: 22 mm

Engine

- Single cylinder,4-stroke,Air-cooled
- Max.power: 6.5 HP
- Displacement: 196 cc
- Rated speed: 3600 rpm

EGP

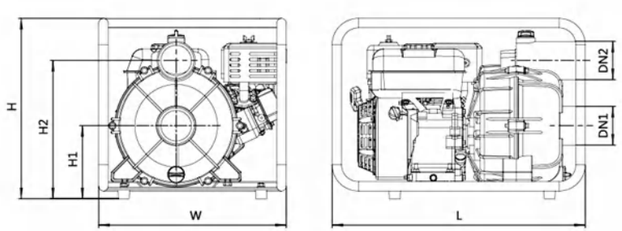
Identification Codes

EGP 30 - W

- W — Sewage
- 30 — Inlet/Outlet Diameter (3")
- EGP — Gasoline Sewage Pump

Technical Data

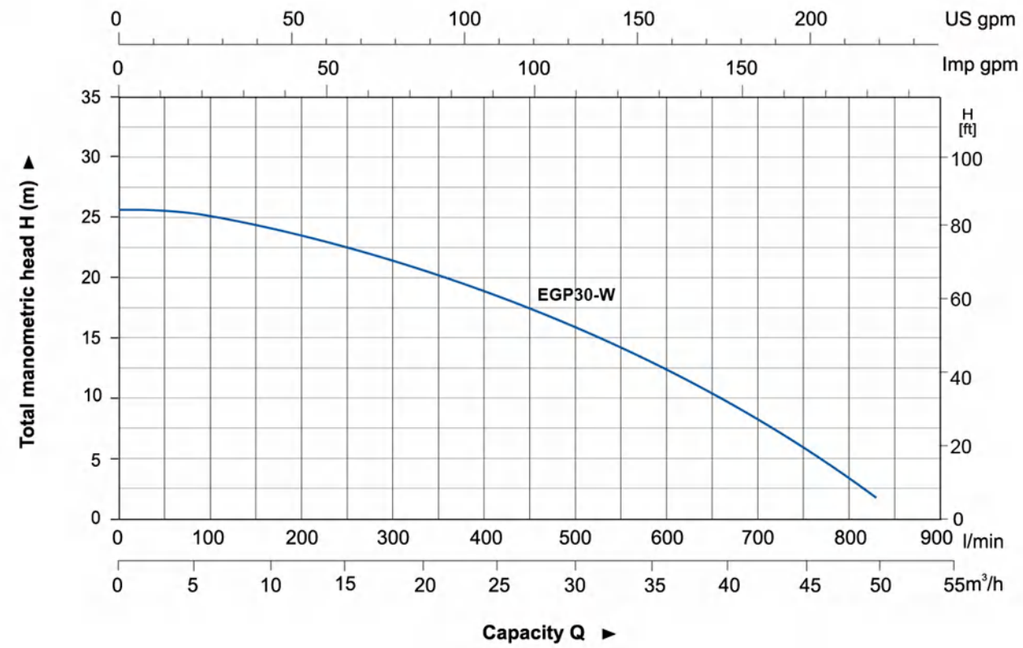
MODEL	POWER	Q (m^3/h)	0	5	10	15	20	25	30	35	40	45	50	55	60
	HP	Q (l/min)	0	83.4	166.7	250.1	333.4	416.8	500.1	583.5	666.8	750.2	833.5	916.9	1000.2
EGP30-W	6.5	H (m)	25.9	25.3	24.1	22.8	21.2	18.8	16.1	13.2	9.6	6.1	2.1	-	-



Dimension

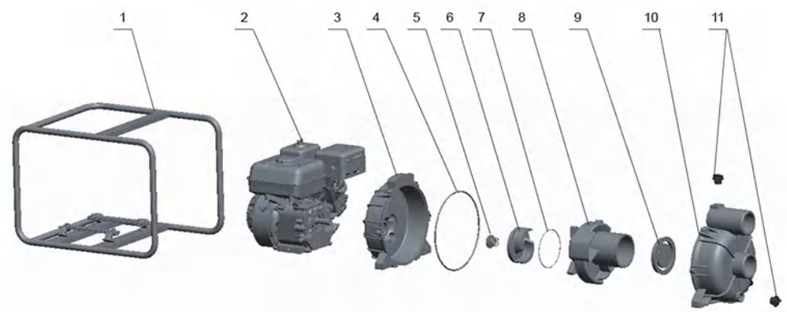
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	H1 (mm)	H2 (mm)
EGP30-W	3"	3"	590	447	430	195	347

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Pump cover	Aluminum
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	HT200
7	O-ring	NBR
8	Diffuser	HT200
9	Non-return valve	NBR
10	Pump body	Aluminum
11	Plug	ABS



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EGP30-W	33.6	605	450	459	188

Application

- To transfer clean water with liquid temperature between 0℃ and 40℃
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, ect

Features

- All new design with ergonomic feature
- High lift series with LEO high efficient hydraulic system
- Reliable 4-stroke gasoline engine with low fuel consumption and high quality crankshaft
- Portable, durable and compact pump frame
- Durable sealing system with special mechanical seal
- Optional outlet selection

Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m
- Inlet/outlet: 2"/3"

Engine

- Single cylinder,4-stroke,Air-cooled
- Max.power: 3.8 HP
- Displacement: 219 cc
- Rated speed: 3600 rpm

EDP

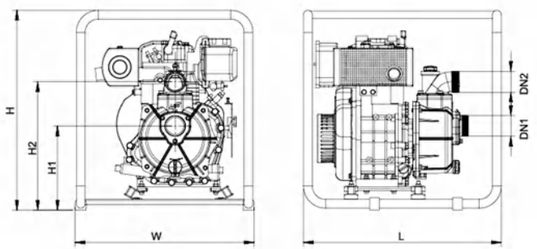
Identification Codes

EDP 20 - A

- A — Symbol for Product Optimization
- 20 — Inlet/Outlet Diameter (2")
- EDP — Diesel Water Pump

Technical Data

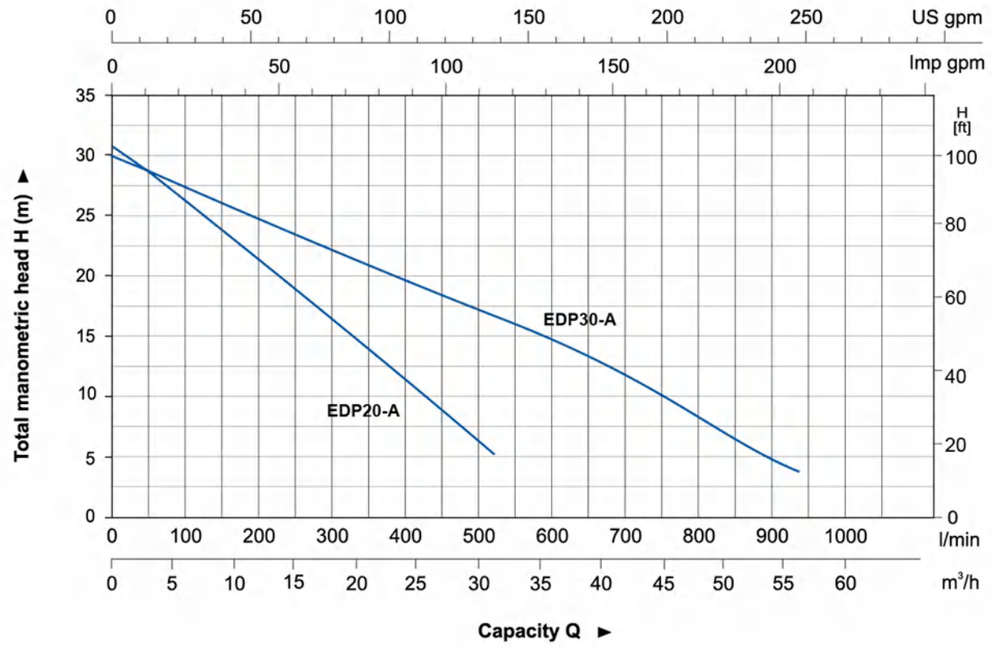
MODEL	POWER	Q (m^3/h)	0	5	10	15	20	25	30	35	40	45	50	55
	HP	Q (l/min)	0	83.4	166.7	250.1	333.4	416.8	500.1	583.5	666.8	750.2	833.5	916.9
EDP20-A	3.8	H (m)	31	27	23	18.4	15	10	5.9	-	-	-	-	-
EDP30-A	3.8		30	27	26.5	24.1	21.4	19.3	16.7	15.8	13.5	11	8	4.8



Dimension

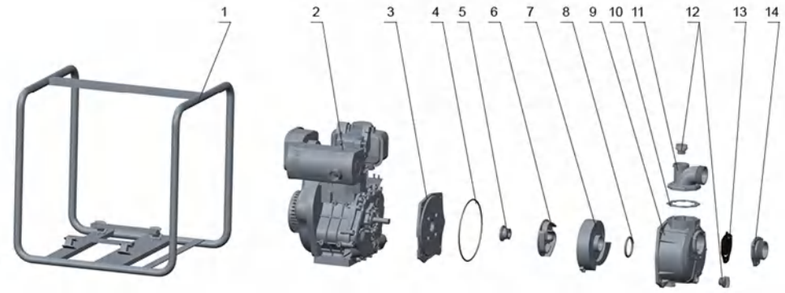
Model	DN1	DN1	L (mm)	W (mm)	H (mm)	H1 (mm)	H2 (mm)
EDP20-A	2"	2"	470	427	536	225	335
EDP30-A	3"	3"	470	427	536	240	390

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Pump cover	Aluminum
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	HT200
7	Diffuser	HT200
8	O-ring	NBR
9	Pump body	Aluminum
10	Seal	NBR
11	Outlet	Aluminum
12	Plug	ABS
13	Non-return valve	NBR
14	Inlet	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDP20-A	35.1	485	435	550	244
EDP30-A	36.2	485	435	550	244

Application

- To transfer clean water with liquid temperature between 0℃ and 40℃
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, ect

Features

- Strengthened pump body ensures more durable and reliable service
- Better sealing effect by using special mechanical seal
- 5-direction outlet for convenient use
- 20% increased loading quantity thanks to very compact construction design
- Less gasoline consumption

Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m
- Inlet/outlet: 2"/2"+2x1.5"
- Electric starting

Engine

- Single cylinder,4-stroke,Air-cooled
- Max.power: 8.4 HP
- Displacement: 418 cc
- Rated speed: 3600 rpm

EDP

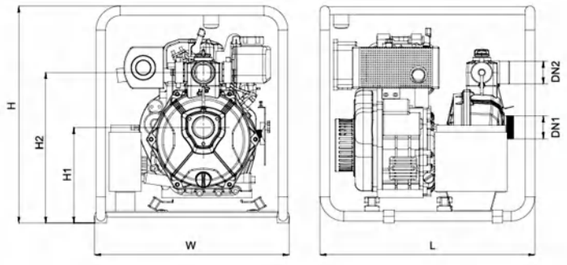
Identification Codes

EDP 20 e - H

- H: High Head
- e: Electric starting
- 20: Inlet/Outlet Diameter (2")
- EDP: Diesel Water Pump

Technical Data

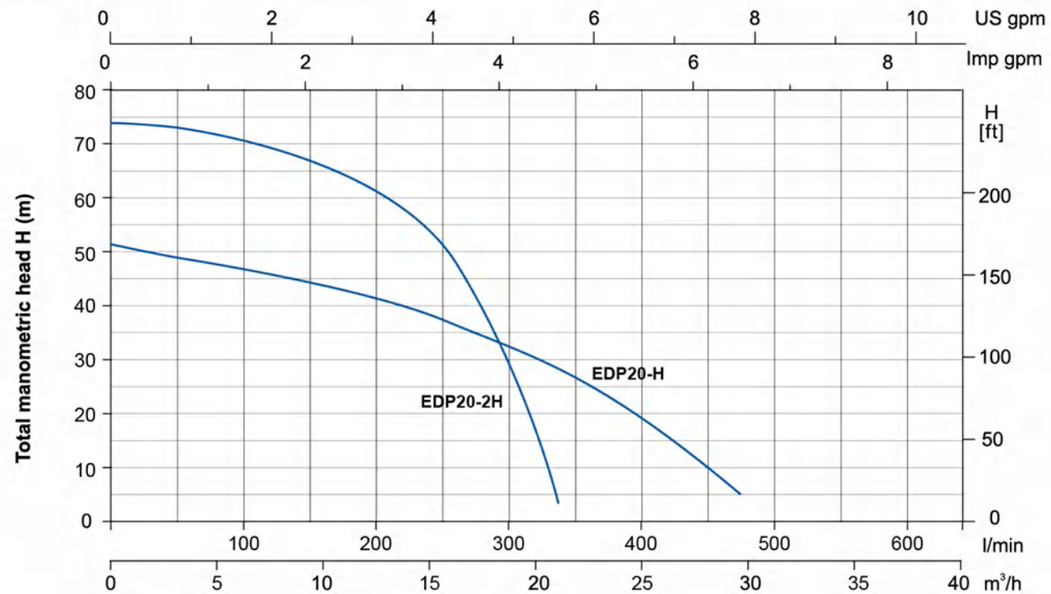
MODEL	POWER	Q (m^3/h)	0	5	10	15	20	25	30	35	40	45	50	55
	HP	Q (l/min)	0	83.4	166.7	250.1	333.4	416.8	500.1	583.5	666.8	750.2	833.5	916.9
EDP20e-H	8.4	H (m)	52	48.8	42	39	30	10	5	-	-	-	-	-
EDP20e-2H	8.4		74	71	68.5	52	20	-	-	-	-	-	-	-



Dimension

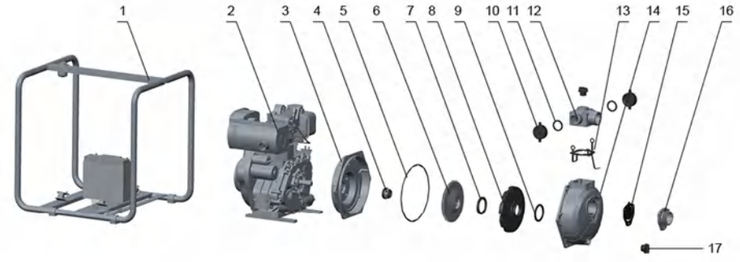
Model	DN1	DN2	2xDN3	L (mm)	W (mm)	H (mm)	H1 (mm)	H2 (mm)
EDP20e-H	2"	2"	1.5"	600	530	620	375	415
EDP20e-2H	2"	2"	1.5"	600	530	620	375	415

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Bracket	Aluminum
4	Mechanical seal	Carbon/Ceramic
5	O-ring	NBR
6	Impeller	Aluminum
7	Seal ring	NBR
8	Diffuser	HT200
9	Seal ring	NBR
10	Pipe blanking cap	PP
11	Seal ring	NBR
12	Outlet	Aluminum
13	Gasket	NBR
14	Pump body	Aluminum
15	Non-return valve	NBR
16	Inlet	Aluminum
17	Filling plug	PA6

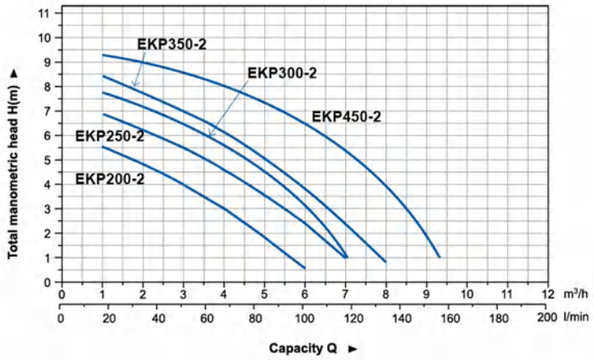


Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDP20e-H	62.4	630	570	680	108
EDP20e-2H	63.8	630	570	680	108

EKP

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

The XKP series of pool pumps is mainly used for water circulation & filtration systems, such as:

- Hot springs
- Small and medium-sized swimming pools
- Water treatment systems
- Landscape fountains
- Light industries

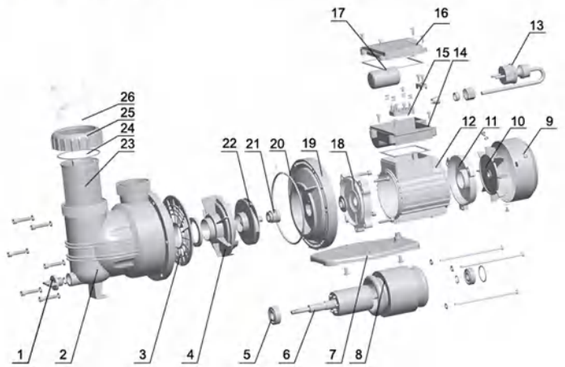
PUMP

- Plastic pump body
- AISI 304 shaft
- Integrated pre-filter
- Quiet operation
- Max. liquid temperature: +35℃

MODEL	RATED POWER (W)	INLET/OUTLET (mm)	MAX.FLOW (m³/h)	MAX.HEAD (m)	MAX.SUCT (m)
EKP200-2	200	40/40	6	6	3.5
EKP250-2	250	40/40	7	7	3.5
EKP300-2	300	40/40	7	8	3.5
EKP350-2	350	40/40	8	9	3.5
EKP450-2	450	40/40	9.5	10	3.5

MOTOR

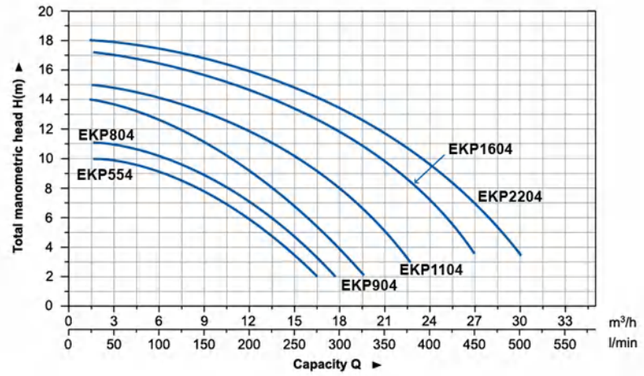
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX5



	Part		Part
1	Filling plug	14	Terminal box
2	Pump body	15	Terminal board
3	Water proof cover	16	Terminal box cover
4	Diffuser	17	Capacitor
5	Ball bearing	18	Front plate
6	Rotor	19	Support
7	Base	20	O-ring
8	Stator	21	Mechanical seal
9	Fan cover	22	Impeller
10	Fan	23	Sieve
11	Rear cover	24	O-ring
12	Motor housing	25	Nut
13	Cable	26	Connector

EKP

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

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- Small and medium-sized swimming pools
- Water treatment systems
- Landscape fountains
- Light industries

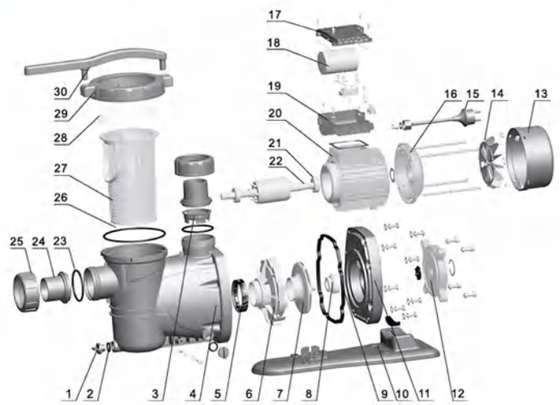
PUMP

- Plastic pump body
- AISI 304 shaft
- Integrated pre-filter
- Quiet operation
- Max. liquid temperature: +35℃

MODEL	RATED POWER (W)	INLET/OUTLET (mm)	MAX.FLOW (m³/h)	MAX.HEAD (m)	MAX.SUCT (m)
EKP554	600	63/63	18	10	3.5
EKP804	800	63/63	19	11	3.5
EKP904	900	63/63	21	13	3.5
EKP1104	1100	63/63	22	15	3.5
EKP1604	1600	63/63	28	17	3.5
EKP2204	2200	63/63	31	18	3.5

MOTOR

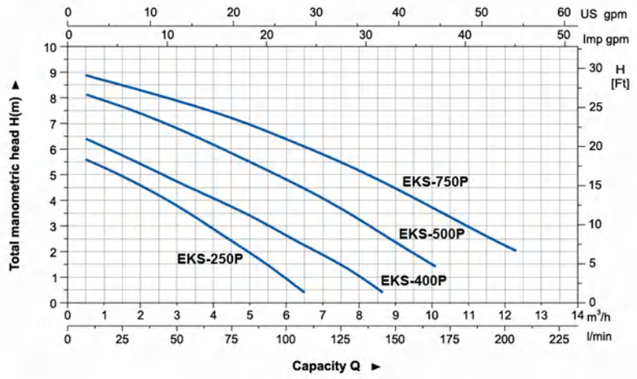
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX5



	Part		Part
1	Drain plug	16	Rear cover
2	O-ring	17	Capacitor cover
3	Valve body	18	Capacitor
4	Pump body	19	Terminal box
5	O-ring	20	Stator
6	Diffuser	21	Bearing
7	Impeller	22	Rotor
8	Mechanical seal	23	O-ring
9	O-ring	24	Connector
10	Bottom board	25	Nut
11	Plastic support	26	O-ring
12	Pump support	27	Sieve
13	Fan cover	28	Pump cover
14	Fan	29	Pump cover nut
15	Cable	30	Wrench

EKS

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

- 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

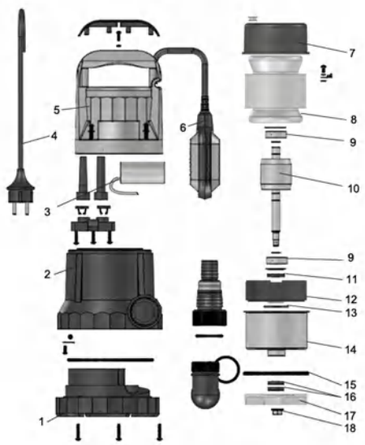
MOTOR

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

PUMP

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

MODEL	POWER (W)	POWER (HP)	OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
EKS-250P	250	0.3	32	75	6	7
EKS-400P	400	0.5	32	125	7	7
EKS-500P	500	0.7	32	150	8	7
EKS-750P	750	1.0	40	175	9	7

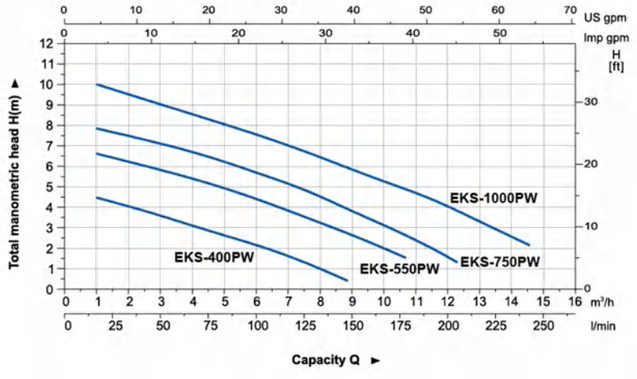


	Part
1	Pump base
2	Pump body
3	Capacitor
4	Cable
5	Roof
6	Float switch
7	Upper cover
8	Stator
9	Bearing
10	Rotor
11	Lip seal
12	Bearing seat
13	O-ring
14	Stator shield
15	O-ring

	Part
16	Lip seal
17	Impeller
18	Nut

EKS

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

- Can be used to transfer clean or 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

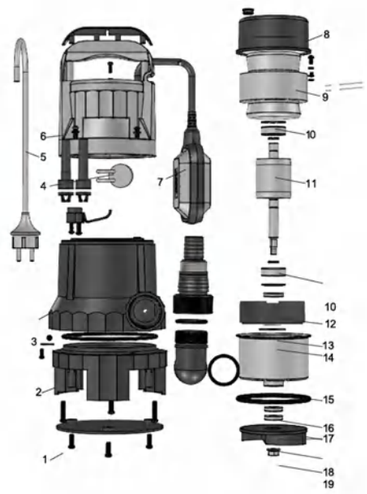
MOTOR

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

PUMP

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

MODEL	POWER (W)	POWER (HP)	OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
EKS-400PW	400	0.5	32	125	5	7
EKS-550PW	550	0.7	32	175	7	7
EKS-750PW	750	1.0	40	225	8	7
EKS-1000PW	1000	1.3	40	250	11	7

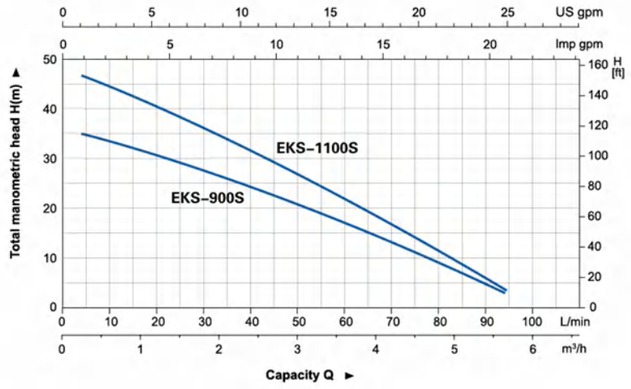


	Part
1	Base plate
2	Pump base
3	Pump body
4	Capacitor
5	Cable
6	Roof
7	Float switch
8	Upper cover
9	Stator
10	Bearing
11	Rotor
12	Lip seal
13	Bearing seat
14	O-ring
15	Stator shield

	Part
16	O-ring
17	Lip seal
18	Impeller
19	Nut

EKS

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

- Mainly used for use in traditional wells, water deposits and collection tanks.
- Suitable for small scale irrigation systems

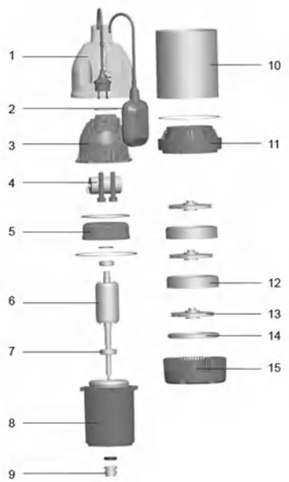
MOTOR

- Both copper and aluminum winding available
- Built-in thermal protector
- Insulation class: F
- Protection class: IPX8

PUMP

- Stainless steel pump body
- High lift with multistage-impeller design
- Max. liquid temperature: +35℃
- Max. immersion depth: 5 m
- Max. particle diameter: 1 mm

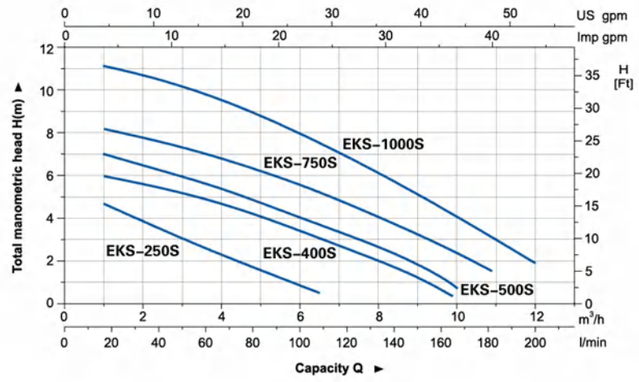
MODEL	RATED POWER (W)	OUTLET (mm)	MAX.FLOW (m^3/h)	MAX.HEAD (m)	MAX. IMMERSION (m)
EKS-900S	900	25	6	36	3
EKS-1100S	1100	25	6	48	4



	Part
1	Pump body
2	Float switch
3	Upper cover
4	Capacitor
5	Upper plate
6	Rotor
7	Bearing
8	Stator
9	Mechanical seal
10	Pump body
11	Diffuser
12	Diffuser
13	Impeller
14	Pump cover
15	Base

EKS

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

- 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

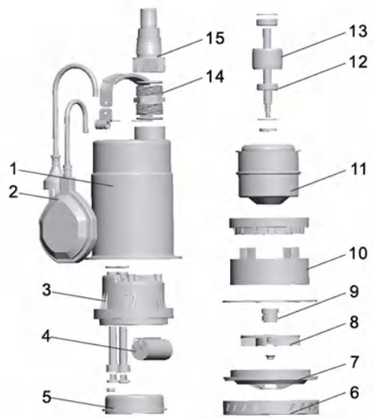
MOTOR

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

PUMP

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

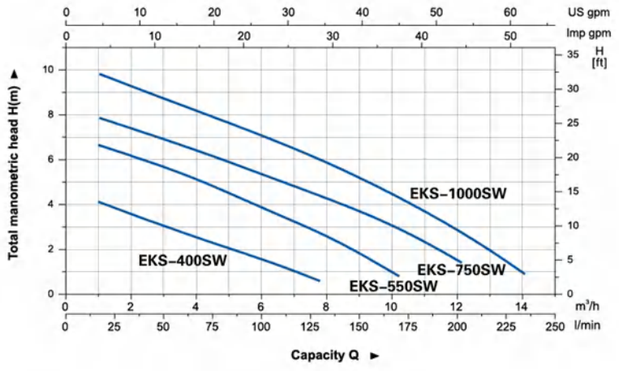
MODEL	POWER		OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(W)	(HP)				
EKS-250S	250	0.3	32	67	6	7
EKS-400S	400	0.5	32	133	7	7
EKS-500S	500	0.7	32	133	8	7
EKS-750S	750	1.0	32	167	9	7
EKS-1000S	1000	1.3	32	200	12	7



	Part
1	Pump cover
2	Float switch
3	Upper cover
4	Capactior
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

EKS

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

- Can be used to transfer clean or 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

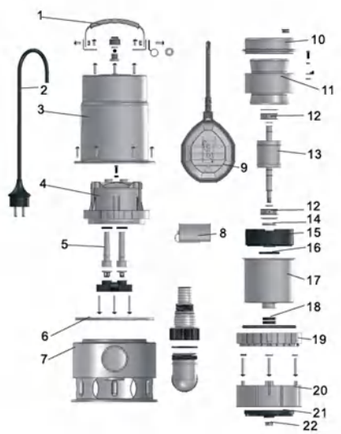
MOTOR

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

PUMP

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

MODEL	POWER (W)	POWER (HP)	OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
EKS-400SW	400	0.5	40	100	5	7
EKS-550SW	550	0.7	40	133	7	7
EKS-750SW	750	1.0	40	167	8	7
EKS-1000SW	1000	1.3	40	200	11	7

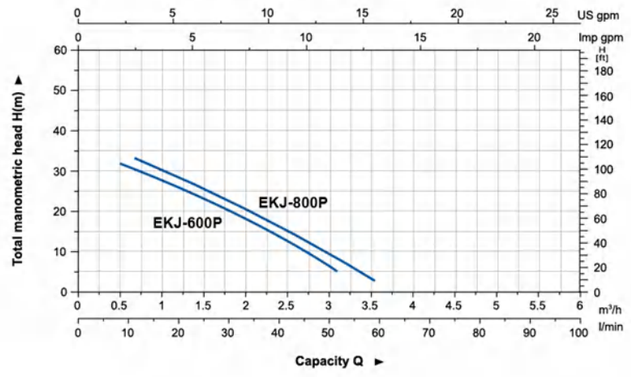


	Part
1	Handle
2	Cable
3	Pump body
4	Roof
5	Jacket
6	O-ring
7	Pump body
8	Capacitor
9	Float switch
10	Upper cover
11	Stator
12	Bearing
13	Rotor
14	Lip seal
15	Bearing base

	Part
16	O-ring
17	Canister
18	Lip seal
19	Retainer ring
20	Pump support
21	Impeller
22	Nut

EKJ

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for water supply and drainage in garden irrigation, greenhouses, fish breeding and poultry raising. The pump also can be used for domestic automatic water supply places, such as lifting water from a deep well, pressure boosting of running water, etc.

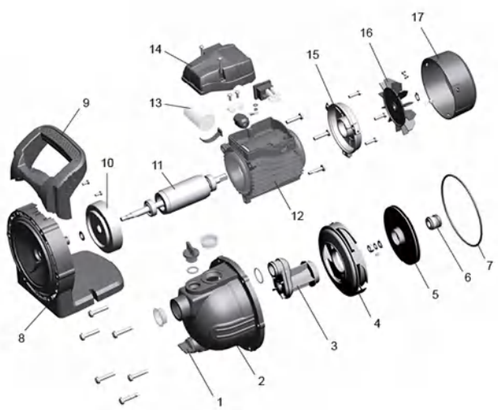
MOTOR

- Built-in thermal protector
- Aluminum winding
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

PUMP

- Unique ergonomic design
- Max.fluid temperature: +35℃
- Max.suction: +7 m

MODEL	POWER (W)	POWER (HP)	INLET/OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EKJ-600P	600	0.8	1" /1"	50	35	7
EKJ-800P	800	1.1	1" /1"	60	40	7

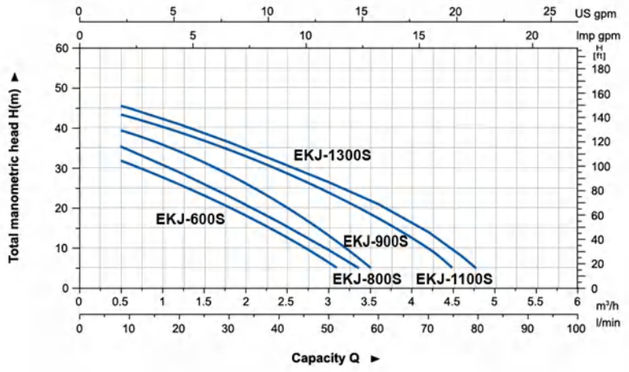


	Part
1	Drain plug
2	Pump body
3	Enjector
4	Diffuser
5	Impeller
6	Mechanical seal
7	O-ring
8	Motor flange
9	Terminal board
10	Front plate
11	Rotor
12	Stator
13	Capacitor
14	Terminal box

	Part
15	Rear cover
16	Fan
17	Fan cover

EKJ

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

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- Suitable for water supply and drainage in garden irrigation, greenhouses, fish breeding and poultry raising. The pump also can be used for domestic automatic water supply places, such as lifting water from a deep well, pressure boosting of running water, etc.

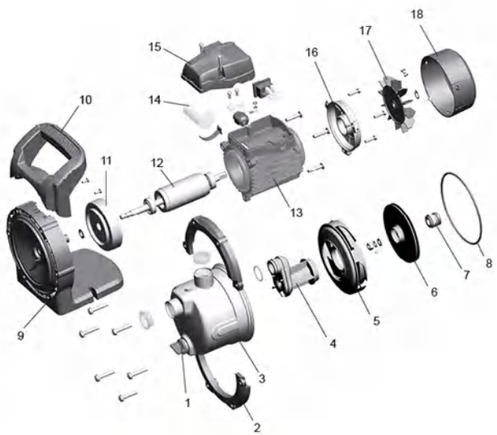
PUMP

- Unique ergonomic design
- Max.fluid temperature: +35℃
- Max.suction: +7/8 m

MOTOR

- Built-in thermal protector
- Aluminum winding
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

MODEL	POWER		OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(W)	(HP)				
EKJ-600S	600	0.8	1" /1"	50	35	7
EKJ-800S	800	1.1	1" /1"	60	40	7
EKJ-900S	900	1.2	1" /1"	60	43	8
EKJ-1100S	1100	1.5	1" /1"	77	46	8
EKJ-1300S	1300	1.75	1" /1"	83	48	8

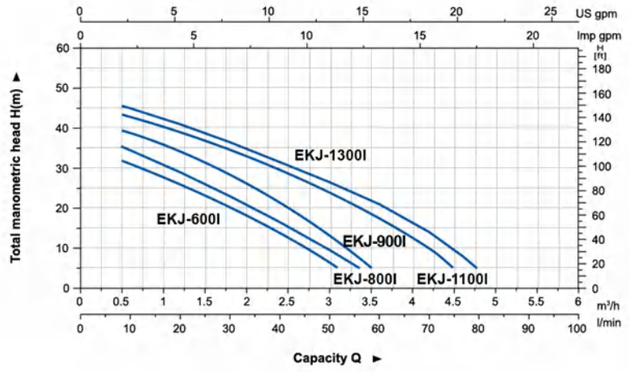


	Part
1	Drain plug
2	Holder
3	Pump body
4	Enjector
5	Diffuser
6	Impeller
7	Mechanical seal
8	O-ring
9	Motor flange
10	Terminal board
11	Front plate
12	Rotor
13	Stator
14	Capacitor

	Part
15	Terminal box
16	Rear cover
17	Fan
18	Fan cover

EKJ

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

- Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
- Suitable for water supply and drainage in garden irrigation, greenhouses, fish breeding and poultry raising. The pump also can be used for domestic automatic water supply places, such as lifting water from a deep well, pressure boosting of running water, etc.

PUMP

- Unique ergonomic design
- Max.fluid temperature: +35℃
- Max.suction: +7/8 m

MOTOR

- Built-in thermal protector
- Aluminum winding
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

MODEL	POWER		OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(W)	(HP)				
EKJ-600I	600	0.8	1" /1"	50	35	7
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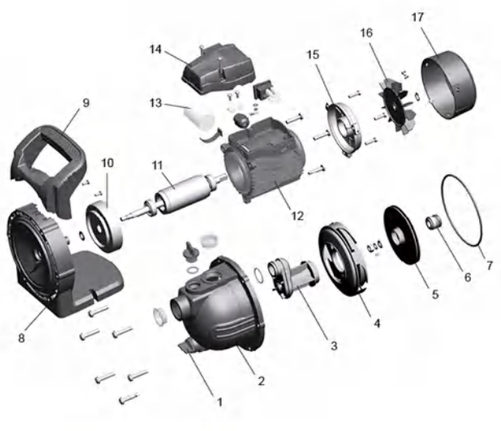
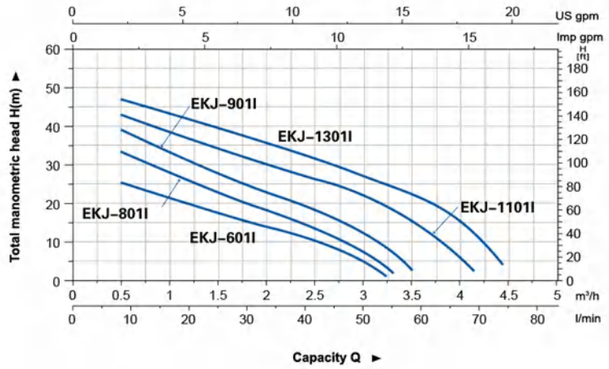


	Part
1	Drain plug
2	Pump body
3	Enjector
4	Diffuser
5	Impeller
6	Mechanical seal
7	O-ring
8	Motor flange
9	Terminal board
10	Front plate
11	Rotor
12	Stator
13	Capacitor
14	Terminal box

	Part
15	Rear cover
16	Fan
17	Fan cover

EKJ

HYDRAULIC PERFORMANCE CURVE



APPLICATIONS

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- Fully automatic water supply in house and garden

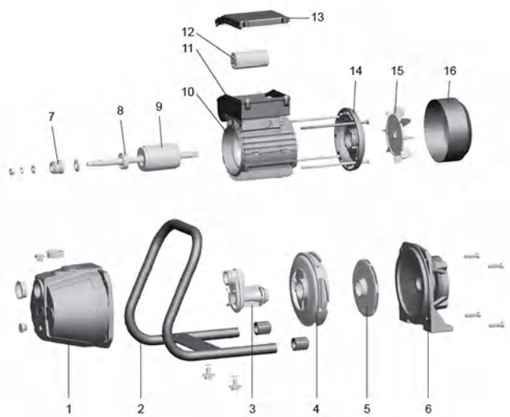
PUMP

- Unique ergonomic design
- Max. fulid temperature: +35℃
- Max. suction: +8m

MOTOR

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

MODEL	POWER		INLET/OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
	(W)	(HP)				
EKJ-601I	600	0.8	1" /1"	60	30	8
EKJ-801I	800	1.1	1" /1"	60	37	8
EKJ-901I	900	1.2	1" /1"	60	43	8
EKJ-1101I	1100	1.5	1" /1"	75	47	8
EKJ-1301I	1300	1.75	1" /1"	80	53	8

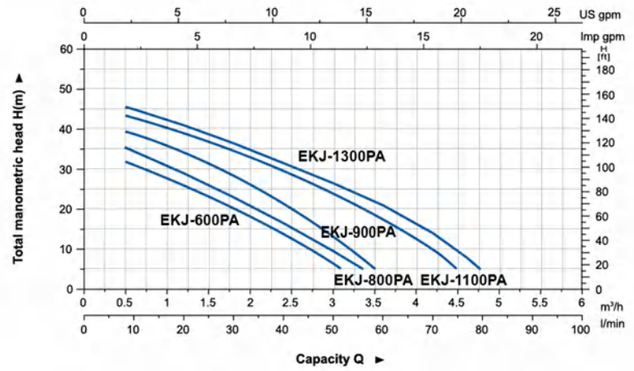


	Part
1	Pump body
2	Handle
3	Venturi tube
4	Diffuser
5	Impeller
6	Support
7	Mechanical seal
8	Bearing
9	Rotor
10	Stator
11	Terminal box
12	Capacitor
13	Terminal box cover
14	End plate

	Part
15	Fan
16	Fan cover

EKJ

HYDRAULIC PERFORMANCE CURVE



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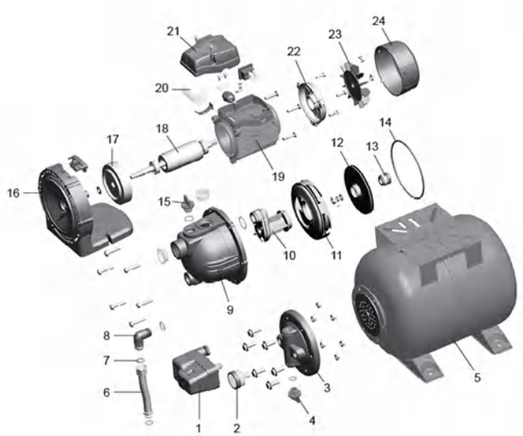
MODEL	POWER		OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(W)	(HP)				
EKJ-600PA	600	0.8	1" /1"	50	35	7
EKJ-800PA	800	1.1	1" /1"	60	40	7
EKJ-900PA	900	1.2	1" /1"	60	43	8
EKJ-1100PA	1100	1.5	1" /1"	77	46	8
EKJ-1300PA	1300	1.75	1" /1"	83	48	8

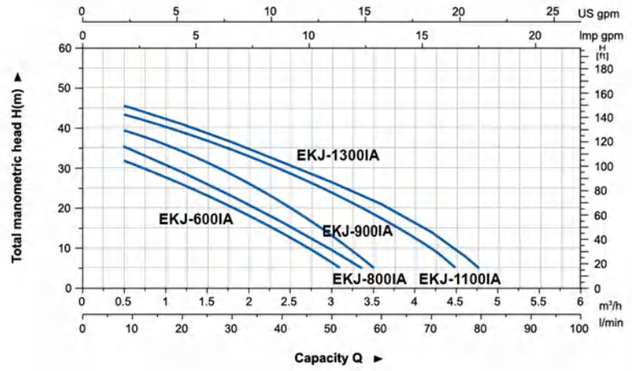


	Part
1	Pressure switch
2	Pressure gauge
3	Tank cover
4	Drain plug
5	Tank
6	Flexible hose
7	Seal washer
8	Elbow connector
9	Pump body
10	Enjector
11	Diffuser
12	Impeller
13	Mechanical seal
14	O-ring

	Part
15	Plug
16	Motor flange
17	Front plate
18	Rotor
19	Stator
20	Capacitor
21	Terminal box
22	Rear cover
23	Fan
24	Fan cover

EKJ

HYDRAULIC PERFORMANCE CURVE



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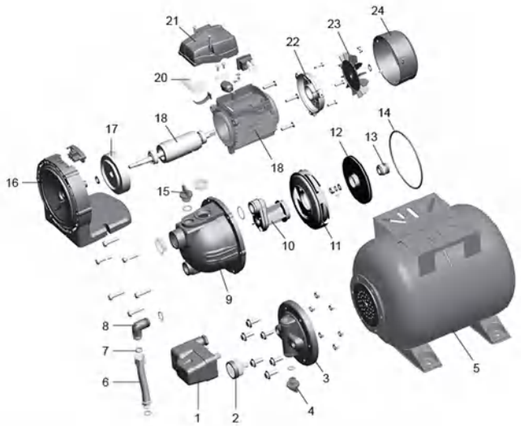
	(W)	(HP)				
EKJ-600IA	600	0.8	1" /1"	50	35	7
EKJ-800IA	800	1.1	1" /1"	60	40	7
EKJ-900IA	900	1.2	1" /1"	60	43	8
EKJ-1100IA	1100	1.5	1" /1"	77	46	8
EKJ-1300IA	1300	1.75	1" /1"	83	48	8

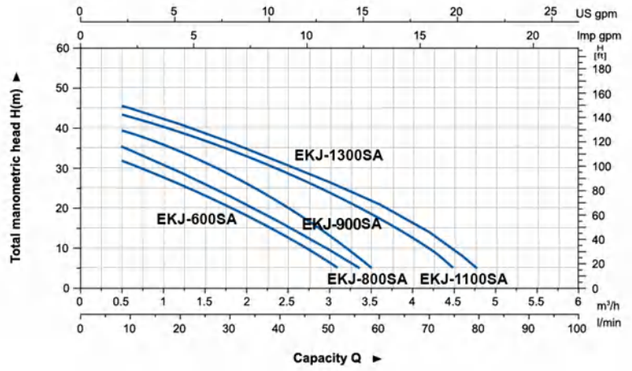


	Part
1	Pressure switch
2	Pressure gauge
3	Tank cover
4	Drain plug
5	Tank
6	Flexible hose
7	Seal washer
8	Elbow connector
9	Pump body
10	Enjector
11	Diffuser
12	Impeller
13	Mechanical seal
14	O-ring

	Part
15	Plug
16	Motor flange
17	Front plate
18	Rotor
19	Stator
20	Capacitor
21	Terminal box
22	Rear cover
23	Fan
24	Fan cover

EKJ

HYDRAULIC PERFORMANCE CURVE



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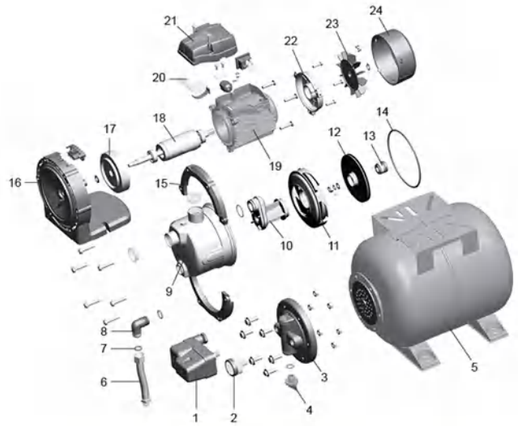
MOTOR

- Built-in thermal protector
- Aluminum winding
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

MODEL	POWER		OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(W)	(HP)				
EKJ-600SA	600	0.8	1" /1"	50	35	7
EKJ-800SA	800	1.1	1" /1"	60	40	7
EKJ-900SA	900	1.2	1" /1"	60	43	8
EKJ-1100SA	1100	1.5	1" /1"	77	46	8
EKJ-1300SA	1300	1.75	1" /1"	83	48	8

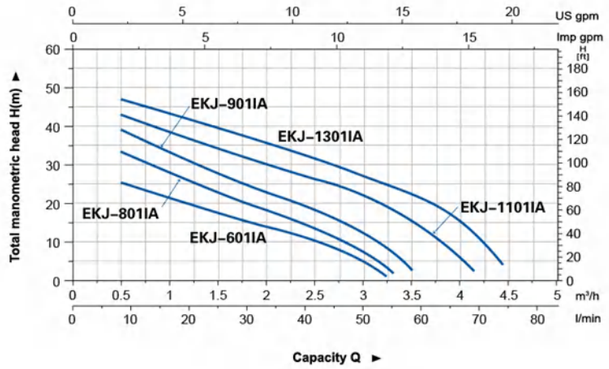


	Part
1	Pressure switch
2	Pressure gauge
3	Tank cover
4	Drain plug
5	Tank
6	Flexible hose
7	Seal washer
8	Elbow connector
9	Pump body
10	Enjector
11	Diffuser
12	Impeller
13	Mechanical seal
14	O-ring

	Part
15	Holder
16	Motor flange
17	Front plate
18	Rotor
19	Stator
20	Capacitor
21	Terminal box
22	Rear cover
23	Fan
24	Fan cover

EKJ

HYDRAULIC PERFORMANCE CURVE



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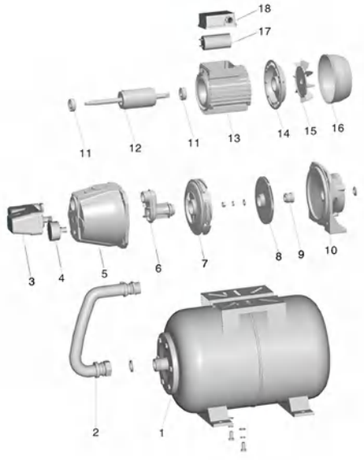
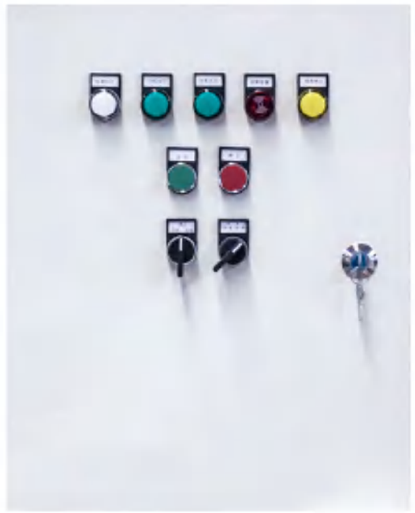
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

MODEL	POWER (W)	POWER (HP)	INLET/OUTLET (mm)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.SUCT (m)
EKJ-601IA	600	0.8	1" /1"	60	30	8
EKJ-801IA	800	1.1	1" /1"	60	37	8
EKJ-901IA	900	1.2	1" /1"	60	43	8
EKJ-1101IA	1100	1.5	1" /1"	75	47	8
EKJ-1301IA	1300	1.75	1" /1"	80	53	8



	Part
1	Pressure tank
2	Flexible hose
3	Pressure switch
4	Pressure gauge
5	Pump body
6	Vebturi tube
7	Diffuser
8	Impeller
9	Mechanical seal
10	Support
11	Bearing
12	Rotor
13	Stator
14	End plate
15	Fan

	Part
16	Fan cover
17	Capacitor
18	Terminal box



Control Box

- The device is specially designed for automatic water drainage in pump stations, elevator shafts, sewage pits, etc.

Features

- Liquid level control
- Excellent anti-interference performance
- The primary pump and standby pumps can be set arbitrarily. In case the primary pump is failed or water output is less than input, the standby pump(s) start to run automatically
- Display of Power and Operating status
- Manual and automatic operation mode for selection
- Protection of earth leakage, overcurrent, overvoltage, overheating and phase loss
- Audible and visual alarm

Operating Conditions

- Ambient temperature: 5 ~ 40℃
- Humidity: ≤90%
- Operating voltage: 380 V ± 10%
- Ambient environment: Freedom from corrosive gases and/or conductive dust.

Instructions

- DOL (Direct On Line): High starting current. Applicable for pumps with power up to 15 kW.
- Autotransformer Starter: Small starting current. Applicable for pumps with power more than 15 kW.
- Soft Starter: Smooth starting current with small influence on the grid. Applicable for pumps with power more than 15 kW.

Identification Codes

D – 2 – 1.5 – Z

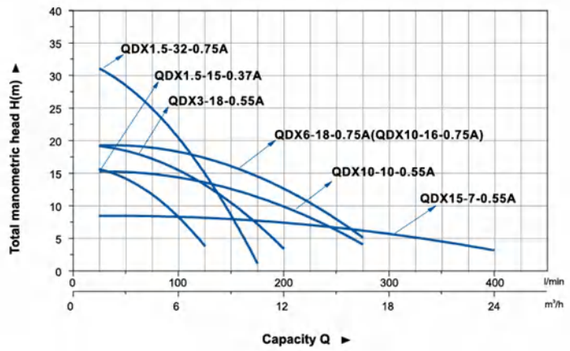
- Starting Method (Omitted for Direct Start)
- Power for Single Pump
- Pump Quantity
- Control Box

	Q	Z	R
Starting Method	Direct on Line	Autotransformer Starter	Soft Starter

Controlled Quantity	1	2	3
Control Mode	For One Pump	For Three Pumps	For Four Pumps

QDX

HYDRAULIC PERFORMANCE CURVE



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.

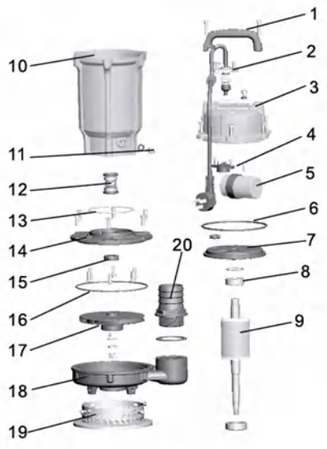
Pump

- Cast iron pump body under special anti-rust treatment
- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 6.5 – 8

Motor

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

MODEL	POWER		MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(kW)	(HP)			
QDX1.5–15–0.37A	0.37	0.5	120	16	5
QDX3–18–0.55A	0.55	0.75	200	20	5
QDX10–10–0.55A	0.55	0.75	275	16	5
QDX15–7–0.55A	0.55	0.75	400	9	5
QDX1.5–32–0.75A	0.75	1.0	175	33	5
QDX6–18–0.75A	0.75	1.0	275	20	5
QDX10–16–0.75A	0.75	1.0	275	20	5

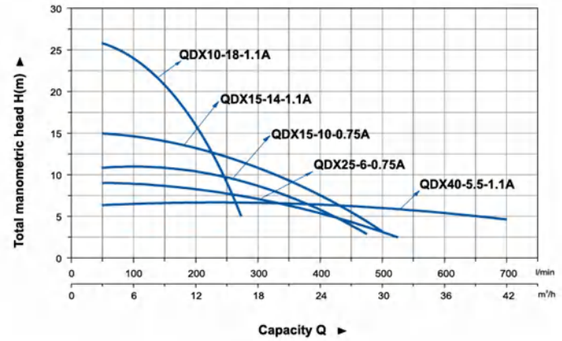


	Part
1	Handle
2	Cable
3	Top cover
4	Protector
5	Capacitor
6	O-ring
7	Upper cover
8	Bearing
9	Rotor
10	Stator
11	Oil injection screw
12	Mechanical seal
13	O-ring
14	Cover of oil cylinder

	Part
15	Oil seal
16	O-ring
17	Impeller
18	Pump body
19	Filter screen
20	Outlet connector

QDX

HYDRAULIC PERFORMANCE CURVE



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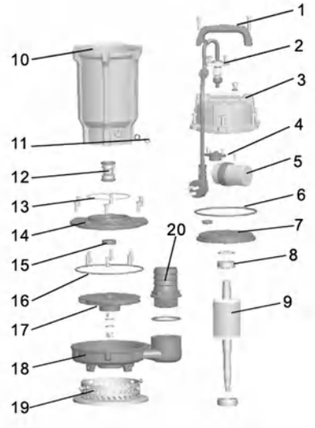
Motor

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

MODEL	POWER		MAX.FLOW (L/min)	MAX.HEAD (m)	MAX. IMMERSION (m)
	(kW)	(HP)			
QDX15–10–0.75A	0.75	1.0	475	11	5
QDX25–6–0.75A	0.75	1.0	525	10	5
QDX10–18–1.1A	1.1	1.5	275	26	5
QDX15–14–1.1A	1.1	1.5	500	15	5
QDX40–5.5–1.1A	1.1	1.5	675	7	5

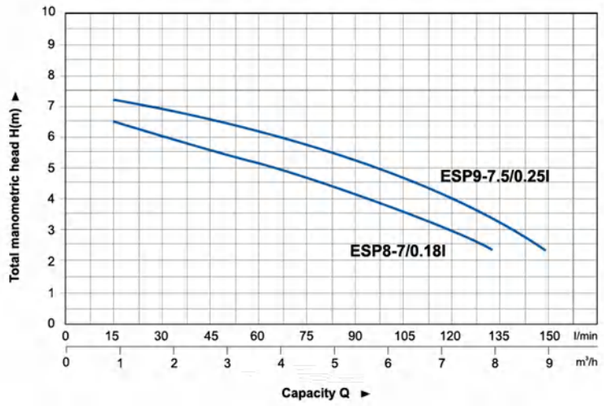


	Part
1	Handle
2	Cable
3	Top cover
4	Protector
5	Capacitor
6	O-ring
7	Upper cover
8	Bearing
9	Rotor
10	Stator
11	Oil injection screw
12	Mechanical seal
13	O-ring
14	Cover of oil cylinder

	Part
15	Oil seal
16	O-ring
17	Impeller
18	Pump body
19	Filter screen
20	Outlet connector

ESP

HYDRAULIC PERFORMANCE CURVE



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

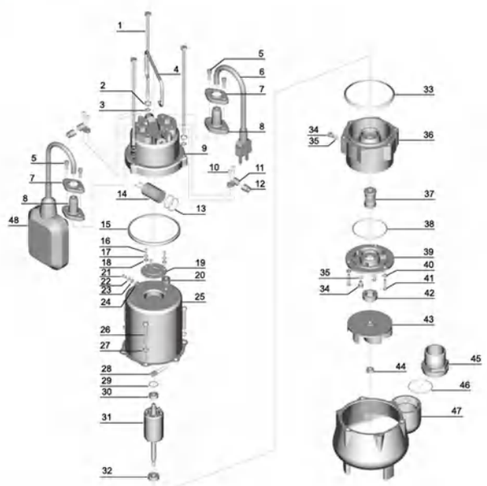
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

MODEL	POWER (kW)	POWER (HP)	OUTLET DIAMETER (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
ESP8-7/0.18I	0.18	0.25	40,32,25	220/50	133	7	15
ESP9-7.5/0.25I	0.25	0.33	40,32,25	220/50	150	7.5	15

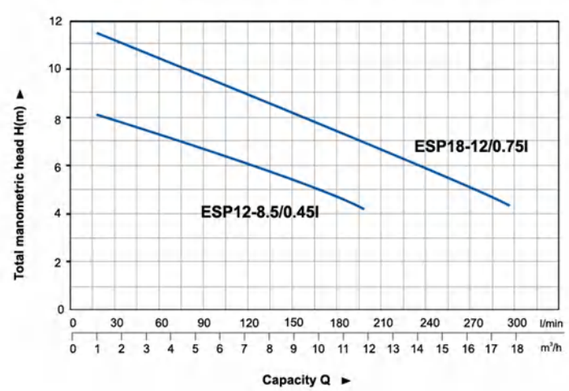


	Part
1	Bolt
2	Stretching washer
3	Washer
4	Handle
5	Screw
6	Cable
7	Flange
8	Cable protector
9	Capacitor cover
10	Screw
11	Cable presser
12	Protector
13	O-ring
14	Capacitor
15	Rubber washer
16	Screw
17	Stretching washer
18	Washer
19	Press plate
20	Cable holder
21	Screw
22	Stretching washer
23	Washer
24	Nut

	Part
25	Stator
26	Screw
27	Stretching washer
28	Thermal protector
29	Wave washer
30	Ball bearing
31	Rotor
32	Ball bearing
33	Rubber washer
34	Screw
35	O-ring
36	Connection part
37	Mechanical seal
38	O-ring
39	Oil chamber cover
40	Washer
41	Screw
42	Oil seal
43	Impeller
44	Nut
45	Connector
46	O-ring
47	Pump body
48	Float switch

ESP

HYDRAULIC PERFORMANCE CURVE



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

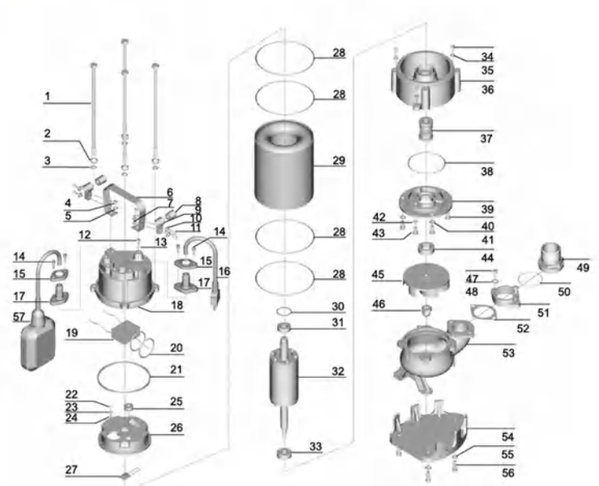
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

MODEL	POWER (kW)	POWER (HP)	OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
ESP12–8.5/0.45I	0.45	0.6	50	220/50	200	8.5	25
ESP18–12/0.75I	0.75	1.0	50	220/50	300	12	25

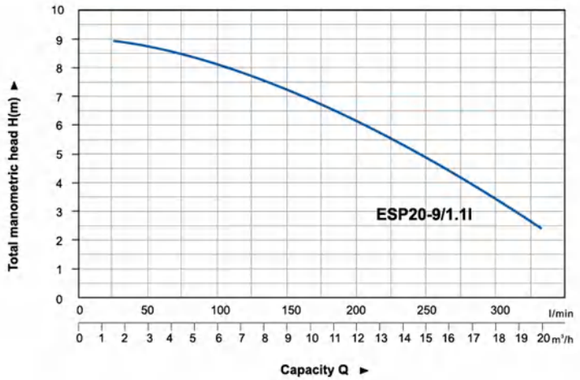


	Part
1	Bolt
2	Stretching washer
3	Washer
4	Bolt
5	Washer
6	Handle
7	Nut
8	Protector
9	Cable presser
10	Washer
11	Screw
12	Bolt
13	O-ring
14	Screw
15	Flange
16	Cable
17	Cable protector
18	Capacitor cover
19	Capacitor
20	O-ring
21	Rubber washer
22	Screw
23	Stretching washer
24	Washer
25	Cable holder
26	Motor cover
27	Thermal protector
28	O-ring
29	Stator

	Part
30	Wave washer
31	Ball bearing
32	Rotor
33	Ball bearing
34	Screw
35	Washer
36	Connection part
37	Mechanical seal
38	O-ring
39	Oil chamber cover
40	Screw
41	Washer
42	O-ring
43	Screw
44	Oil seal
45	Impeller
46	Nut
47	Bolt
48	Washer
49	Connector
50	O-ring
51	Connector nut
52	Rubber washer
53	Pump body
54	Base plate
55	Washer
56	Screw
57	Float switch

ESP

HYDRAULIC PERFORMANCE CURVE



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

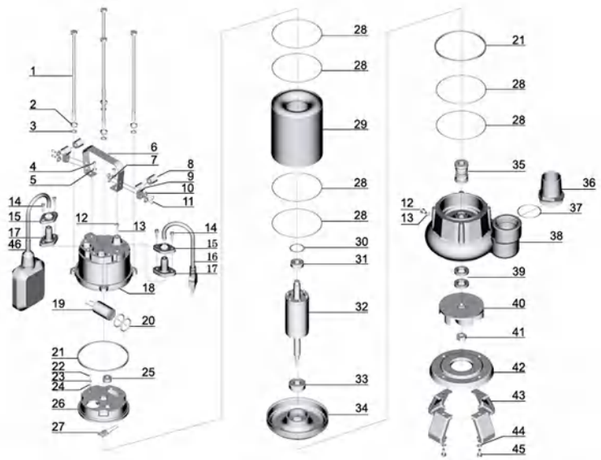
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

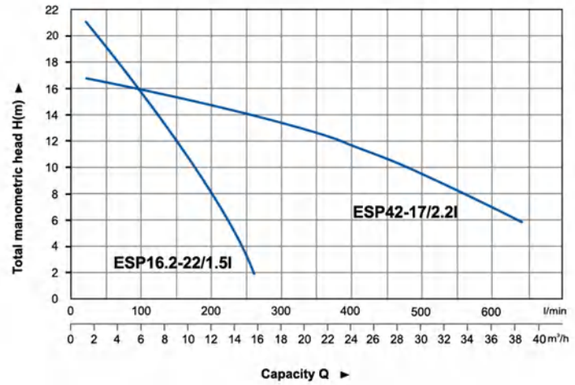
MODEL	POWER (kW)	POWER (HP)	OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
ESP20–9/1.1I	1.1	1.5	50	220/50	333	9	35



	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	Streching washer	46	Float switch

ESP

HYDRAULIC PERFORMANCE CURVE



Application

- Wastewater drainage in factories, construction sites and commercial facilities
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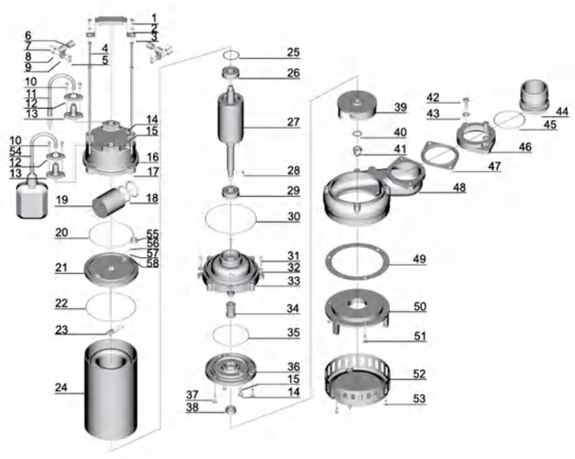
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

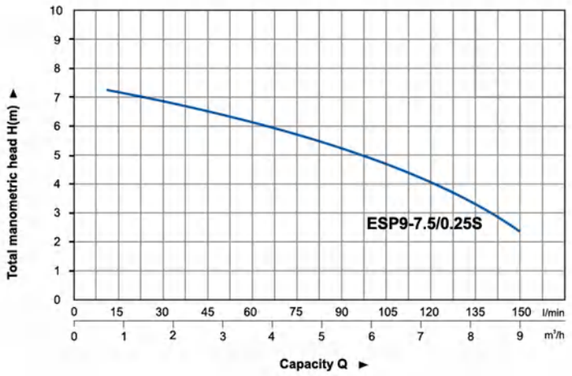
MODEL	POWER (kW)	POWER (HP)	OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
ESP16.2–22/1.5I	1.5	2.0	40	220/50	270	22	10
ESP42–17/2.2I	2.2	3.0	75	220/50	700	17	20



	Part		Part
1	Bolt	30	O-ing
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	Lmpepller
11	Cable	40	Washer
12	Flange	41	Nut
13	Cable protector	42	Bolt
14	Bolt	43	Washer
15	O-ing	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 washe
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

ESP

HYDRAULIC PERFORMANCE CURVE



Application

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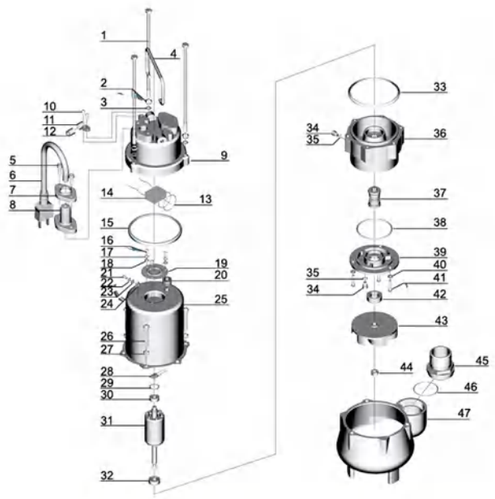
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
ESP9–7.5/0.25S	0.25	0.33	40,32,25	220/50	150	7.5	15

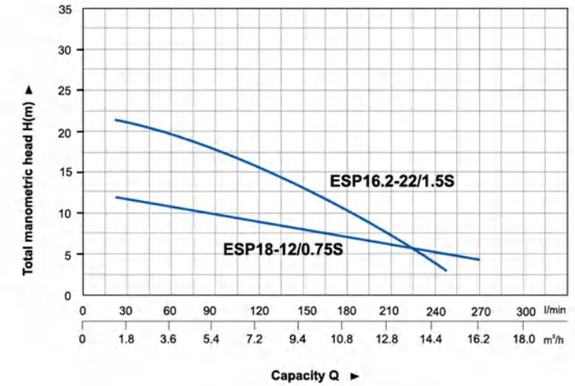


	Part
1	Bolt
2	Stretching washer
3	Washer
4	Handle
5	Screw
6	Cable
7	Flange
8	Cable protector
9	Capacitor cover
10	Screw
11	Cable presser
12	Protector
13	O-ring
14	Capacitor
15	Rubber washer
16	Screw
17	Stretching washer
18	Washer
19	Press plate
20	Cable holder
21	Screw
22	Stretching washer
23	Washer
24	Nut

	Part
25	Stator
26	Screw
27	Stretching washer
28	Thermal protector
29	Wave washer
30	Ball bearing
31	Rotor
32	Ball bearing
33	Rubber wsher
34	Screw
35	O-ring
36	Connection part
37	Mechanical seal
38	O-ring
39	Oil chamber cover
40	Washer
41	Screw
42	Oil seal
43	Lmpeller
44	Nut
45	Connector
46	O-ring
47	Pump body

ESP

HYDRAULIC PERFORMANCE CURVE



Application

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

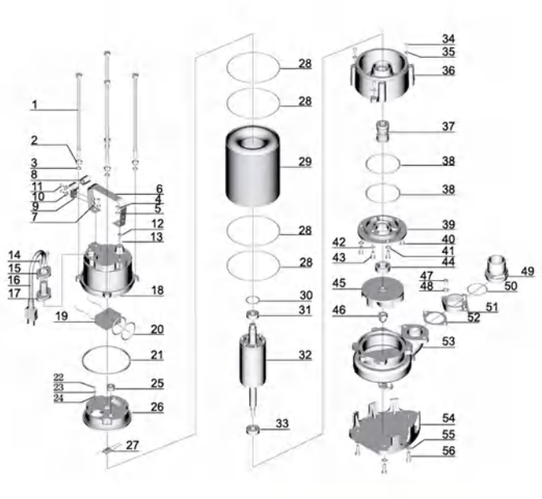
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
	(kW)	(HP)					
ESP18–12/0.75S	0.75	1.0	50	220/50	300	12	25
ESP16.2–22/1.5S	1.5	2.0	40	220/50	270	22	10



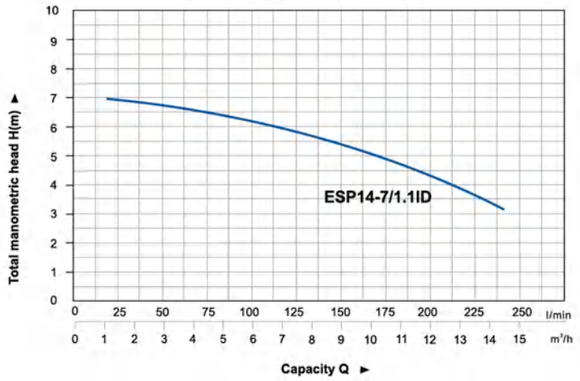
	Part
1	Bolt
2	Stretching washer
3	Washer
4	Bolt
5	Washer
6	Handle
7	Nut
8	Protector
9	Cable presser
10	Washer
11	Screw
12	Bolt
13	O-ring
14	Bolt
15	Flange
16	Cable
17	Cable protector
18	Capacitor cover
19	Capacitor
20	O-ring
21	Rubber washer
22	Screw
23	Stretching washer
24	Washer
25	Cable holder
26	Motor cover
27	Thermal protector
28	O-ring

	Part
29	Stator
30	Wave washer
31	Ball bearing
32	Rotor
33	Ball bearing
34	Scew
35	Washer
36	Connection part
37	Mechanical seal
38	O-ring
39	Oil chamber cover
40	Screw
41	Washer
42	O-ring
43	Screw
44	Oil seal
45	Impeller
46	Nut
47	Bolt
48	Washer
49	Connector
50	O-ring
51	Connection nut
52	Rubber washer
53	Pump body
54	Base plate
55	Washer
56	Screw

Cutting Blade

ESP

HYDRAULIC PERFORMANCE CURVE



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

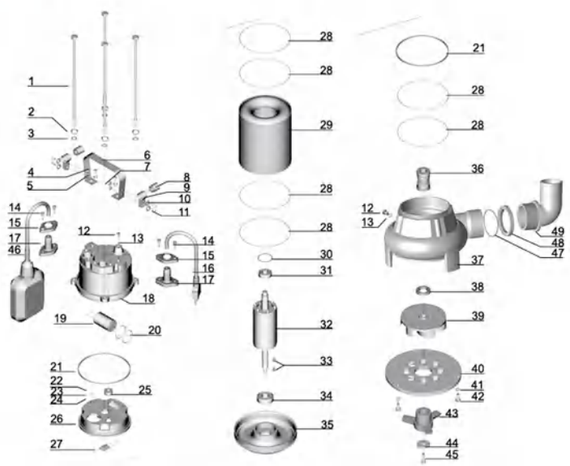
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

MODEL	POWER (kW)	POWER (HP)	OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
ESP14–7/1.1ID	1.1	1.5	50	220/50	233	7	22.5



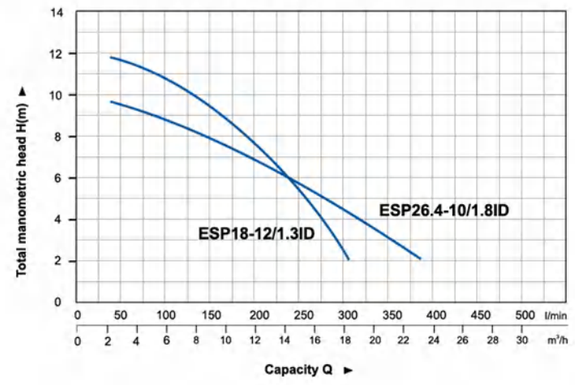
	Part
1	Bolt
2	Stretching washer
3	Washer
4	Bolt
5	Washer
6	Handle
7	Nut
8	Protector
9	Cable presser
10	Washer
11	Screw
12	Bolt
13	O-ring
14	Screw
15	Flange
16	Cable
17	Cable protector
18	Capacitor cover
19	Capacitor
20	O-ring
21	Rubber washer
22	Screw
23	Stretching washer
24	Washer
25	Cable holder

	Part
26	Upper cover
27	Thermal protector
28	O-ring
29	Stator
30	Wave washer
31	Ball bearing
32	Rotor
33	Key
34	Ball bearing
35	Lower cover
36	Mechanical seal
37	Pump body
38	Oil seal
39	Impeller
40	Shredding ring
41	Washer
42	Screw
43	Radial cutter
44	Washer
45	Screw
46	Float switch
47	O-ring
48	Connection nut
49	Connector

Cutting Blade

ESP

HYDRAULIC PERFORMANCE CURVE



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

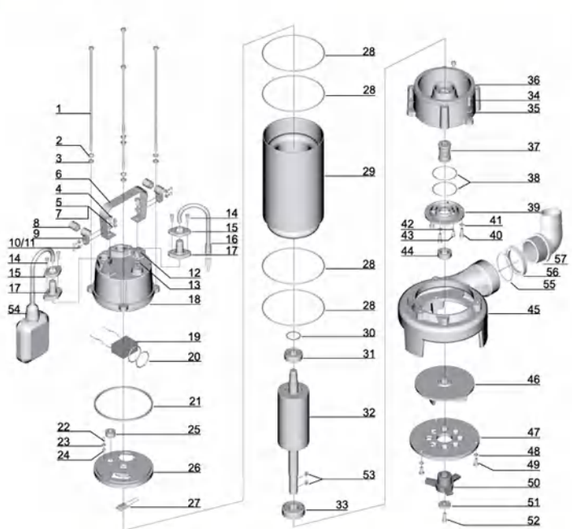
Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid pH value: 4 – 10
- Liquid kinematic viscosity: $7x10^{-7}$~ $23x10^{-6}m^2/s$
- Max. liquid density: $1.2x10^3 kg/m^3$

Motor

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

MODEL	POWER (kW)	POWER (HP)	OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)	MAX.DIA. OF PARTICLE (mm)
ESP18–12/1.3ID	1.3	1.75	50	220/50	300	12	22.8
ESP26.4–10/1.8ID	1.8	2.4	75	220/50	440	10	30

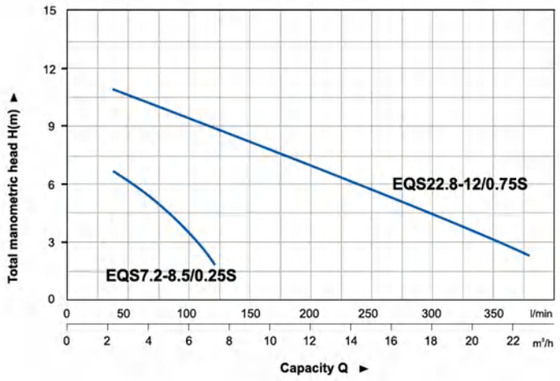


	Part
1	Bolt
2	Stretching washer
3	Washer
4	Bolt
5	Washer
6	Handle
7	Nut
8	Protector
9	Cable presser
10	Washer
11	Screw
12	Bolt
13	O-ring
14	Screw
15	Flange
16	Cable
17	Cable protector
18	Capacitor cover
19	Capacitor
20	O-ring
21	Rubber washer
22	Screw
23	Stretching washer
24	Washer
25	Line protector
26	Motor cover
27	Thermal protector
28	O-ring
29	Motor stator

	Part
30	Undulated washer
31	Ball bearing
32	Rotor
33	Ball bearing
34	Screw
35	Washer
36	Connection part
37	Mechanical seal
38	O-ring
39	Oil chamber cover
40	Screw
41	Washer
42	O-ring
43	Screw
44	Oil seal
45	Pump body
46	Impeller
47	Shredding ring
48	Washer
49	Bolt
50	Radial cutter
51	Washer
52	Screw
53	Key
54	Float switch
55	O-ring
56	Connection nut
57	Out-let connector

EQS

HYDRAULIC PERFORMANCE CURVE



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.

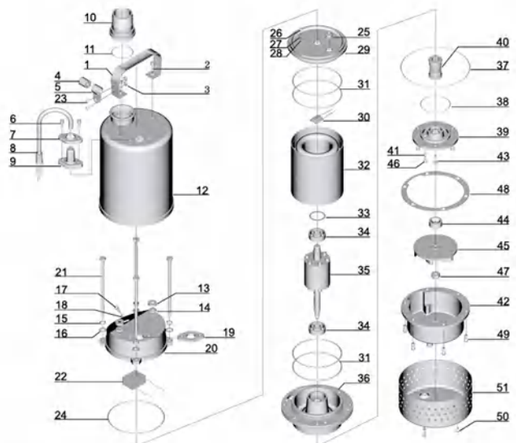
Pump

- 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℃
- Liquid pH value: 4 – 10
- Max. liquid density: 1.03x10^{3}kg/m^3

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
	(kW)	(HP)				
EQS7.2–8.5/0.25S	0.25	0.33	40,32,25	220/50	120	8.5
EQS22.8–12/0.75S	0.75	1.0	50	220/50	380	12

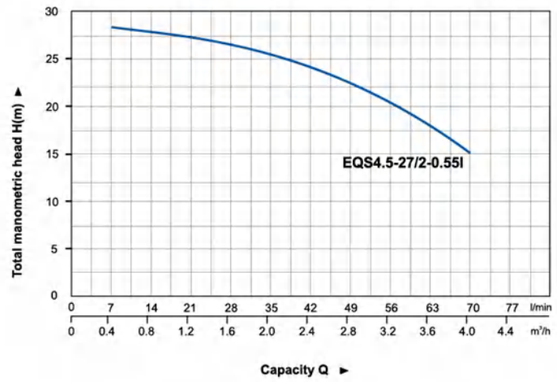


	Part
1	Handle
2	Screw
3	Nut
4	Protector
5	Cable presser
6	Screw
7	Flange
8	Cable
9	Cable protector
10	Connector
11	O-ring
12	Motor shell
13	Rubber washer
14	Washer
15	Stretching washer
16	Washer
17	Screw
18	O-ring
19	Rubber washer
20	Capacitor cover
21	Bolt
22	Capacitor
23	Screw
24	O-ring
25	Cable holder
26	Screw

	Part
27	Stretching washer
28	Washer
29	Motor cover
30	Thermal protector
31	O-ring
32	Stator
33	Wave washer
34	Ball bearing
35	Rotor
36	Connection part
37	O-ring
38	O-ring
39	Oil chamber cover
40	Mechanical seal
41	O-ring
42	Pump body
43	Screw
44	Oil seal
45	Impeller
46	Screw
47	Nut
48	Rubber washer
49	Screw
50	Screw
51	Filter mesh

EQS

HYDRAULIC PERFORMANCE CURVE



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.

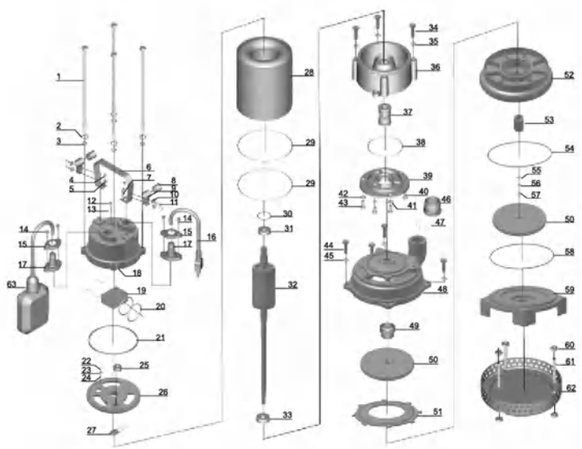
Pump

- 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℃
- Liquid pH value: 6.5 – 8

MODEL	POWER		OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
	(kW)	(HP)				
EQS4.5–27/2–0.55I	0.55	0.75	25	220/50	75	27

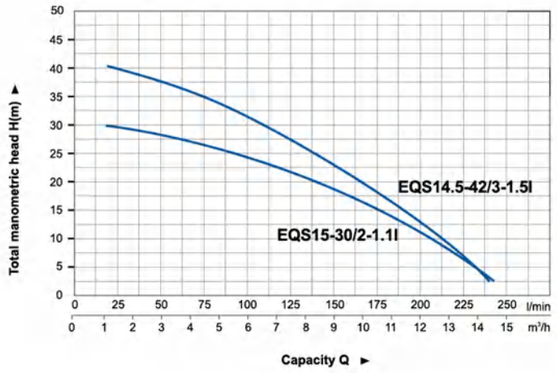


	Part
1	Bolt
2	Stretching washer
3	Washer
4	Bolt
5	Washer
6	Handle
7	Nut
8	Protector
9	Cable presser
10	Washer
11	Screw
12	Bolt
13	O-ring
14	Bolt
15	Flange
16	Cable
17	Cable protector
18	Capacitor cover
19	Capacitor
20	O-ring
21	O-ring
22	Screw
23	Stretching washer
24	Washer
25	Cable holder
26	Motor cover
27	Thermal protector
28	Stator
29	O-ring
30	Wave washer
31	Ball bearing
32	Rotor

	Part
33	Ball bearing
34	Bolt
35	Washer
36	Connection part
37	Mechanical seal
38	O-ring
39	Oil chamber cover
40	Screw
41	Washer
42	O-ring
43	Screw
44	Bolt
45	Washer
46	Connertor
47	O-ring
48	Pump body
49	Mechanical seal
50	Impeller
51	Guidleaf cover
52	Guidleaf
53	Sleeve
54	O-ring
55	Washer
56	Stretching washer
57	Nut
58	O-ring
59	Pump cover
60	Nut
61	Bilateral bolt
62	Filter mesh
63	Float switch

EQS

HYDRAULIC PERFORMANCE CURVE



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.

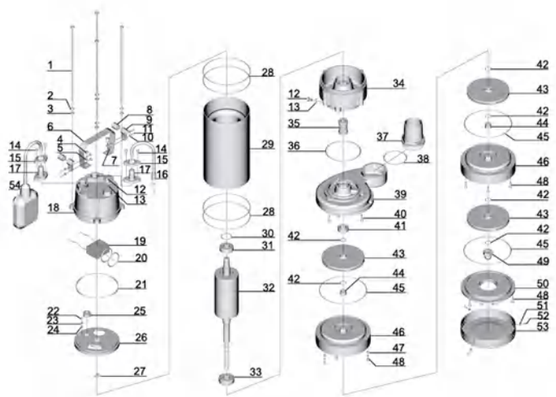
Pump

- 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℃
- Liquid pH value: 6.5 – 8

MODEL	POWER (kW)	POWER (HP)	OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
EQS15-30/2-1.1I	1.1	1.5	50	220/50	250	30
EQS14.5-42/3-1.5I	1.5	2.0	50	220/50	240	42

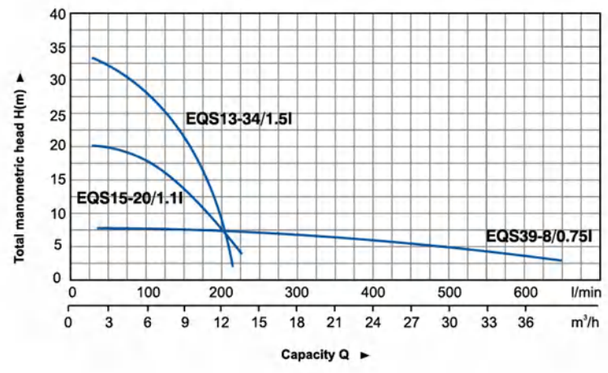


	Part
1	Bolt
2	Stretching washer
3	Washer
4	Bolt
5	Washer
6	Handle
7	Nut
8	Protector
9	Cable presser
10	Washer
11	Screw
12	Bolt
13	O-ring
14	Screw
15	Flange
16	Cable
17	Cable protector
18	Capacitor cover
19	Capacitor
20	O-ring
21	Rubber washer
22	Screw
23	Stretching washer
24	Washer
25	Cable holder
26	Motor cover
27	Thermal protector
28	O-ring

	Part
29	Stator
30	Wave washer
31	Ball bearing
32	Rotor
33	Ball bearing
34	Connection part
35	Mechanical seal
36	O-ring
37	Connector
38	O-ring
39	Pump body
40	Screw
41	Oil seal
42	Rubber washer
43	Impeller
44	Ring
45	O-ring
46	Diffuser
47	Stretching washer
48	Screw
49	Nut
50	Pump cover
51	Washer
52	Screw
53	Filter mesh
54	Float switch
55	Key

EQS

HYDRAULIC PERFORMANCE CURVE



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.

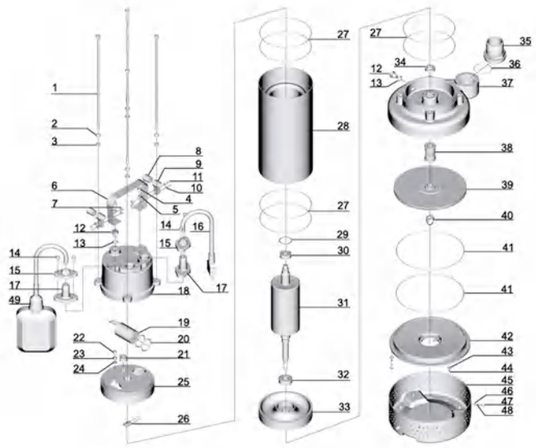
Pump

- 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℃
- Liquid pH value: 6.5 – 8

MODEL	POWER (kW)	POWER (HP)	OUTLET (mm)	VOLTAGE (V/Hz)	MAX.FLOW (L/min)	MAX.HEAD (m)
EQS39-8/0.75I	0.75	1.0	75	220/50	650	8
EQS15-20/1.1I	1.1	1.5	40,32,25	220/50	250	20
EQS13-34/1.5I	1.5	2.0	40,32,25	220/50	216	34



	Part
1	Bolt
2	Stretching washer
3	Washer
4	Bolt
5	Washer
6	Handle
7	Nut
8	Protector
9	Cable presser
10	Washer
11	Screw
12	Bolt
13	O-ring
14	Screw
15	Flange
16	Cable
17	Cable protector
18	Capacitor cover
19	Capacitor
20	O-ring
21	Cable holder
22	Screw
23	Stretching washer
24	Washer
25	Upper cover

	Part
26	Thermal protector
27	O-ring
28	Stator
29	Wave washer
30	Ball bearing
31	Rotor
32	Ball bearing
33	Lower cover
34	Oil seal
35	Connector
36	O-ring
37	Pump body
38	Mechanical seal
39	Impeller
40	Nut
41	O-ring
42	Pump body
43	Washer
44	Screw
45	Filter mesh
46	Washer
47	Screw
48	Stretching washer
49	Float switch

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Features

- High efficient and anti-clogging Enclosed Channel impeller design
- Flexible installations with hoses, pipes or quick-coupling systems
- Flow switch included for single phase pump with motor power ⩽ 1.1 kW

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

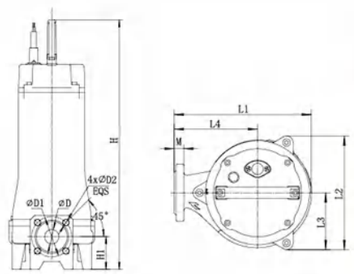
Identification Codes

50 EDS E m 8 – 16 – 1.1

- Rated Power (kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- Single Phase Motor (Omitted for three–phase motor)
- Enclosed Channel Impeller
- Submersible Sewage Pump
- Discharge Diameter (mm)

Technical Data

Model		Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
Single Phase	Three Phase	kW	HP				
50EDSEm8-16-1.1	50EDSE8-16-1.1	1.1	1.5	50 (2")	8	16	15
50EDSEm8-20-1.5	50EDSE8-20-1.5	1.5	2	50 (2")	8	20	15
50EDSEm15-20-2.2	50EDSE15-20-2.2	2.2	3	50 (2")	15	20	25
-	50EDSE15-25-3	3	4	50 (2")	15	26	25

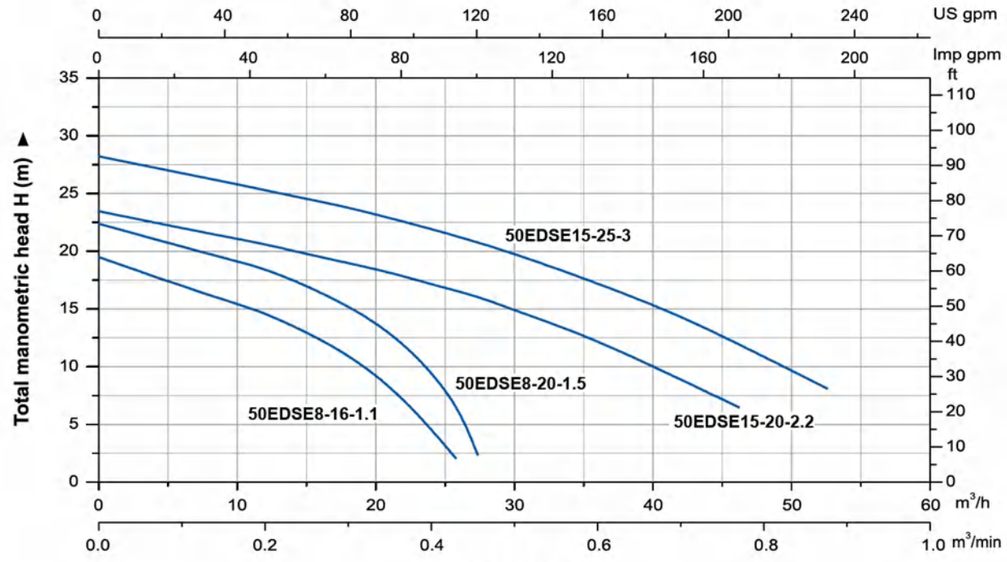


Dimension

Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
50EDSE8-16-1.1	223	191	96	135	559	88	50	110	14	16
50EDSEm8-16-1.1										
50EDSE8-20-1.5					586					
50EDSEm8-20-1.5					627					
50EDSE15-20-2.2	270	223	113	163	570	75	50	110	14	16
50EDSEm15-20-2.2					611					
50EDSE15-25-3					559					

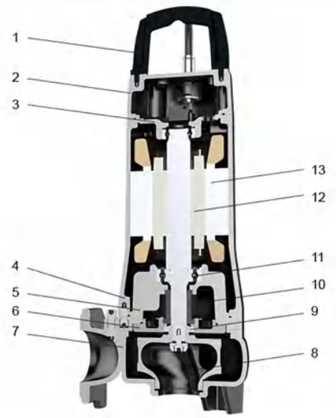
AQUASTRONG
Submersible Sewage Pumps

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
50EDSE8-16-1.1	39.3	750	290	368	372
50EDSEm8-16-1.1	42.5	750	290	368	372
50EDSE8-20-1.5	50.5	848	358	311	294
50EDSEm8-20-1.5	53	848	358	311	294
50EDSE15-20-2.2	56	848	358	311	294
50EDSEm15-20-2.2	57	848	358	311	294
50EDSE15-25-3	62	848	358	311	294

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Features

- High efficient and anti-clogging Enclosed Channel impeller design
- Flexible installations with hoses, pipes or quick-coupling systems
- Flow switch included for single phase pump with motor power ⩽ 1.1 kW

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

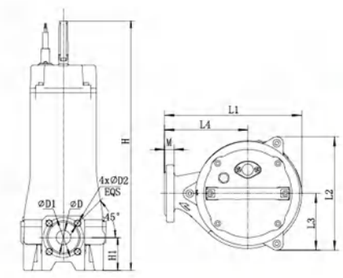
Identification Codes

65 EDS E m 15 – 10 – 1.1

- Rated Power (kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- Single Phase Motor (Omitted for three–phase motor)
- Enclosed Channel Impeller
- Submersible Sewage Pump
- Discharge Diameter (mm)

Technical Data

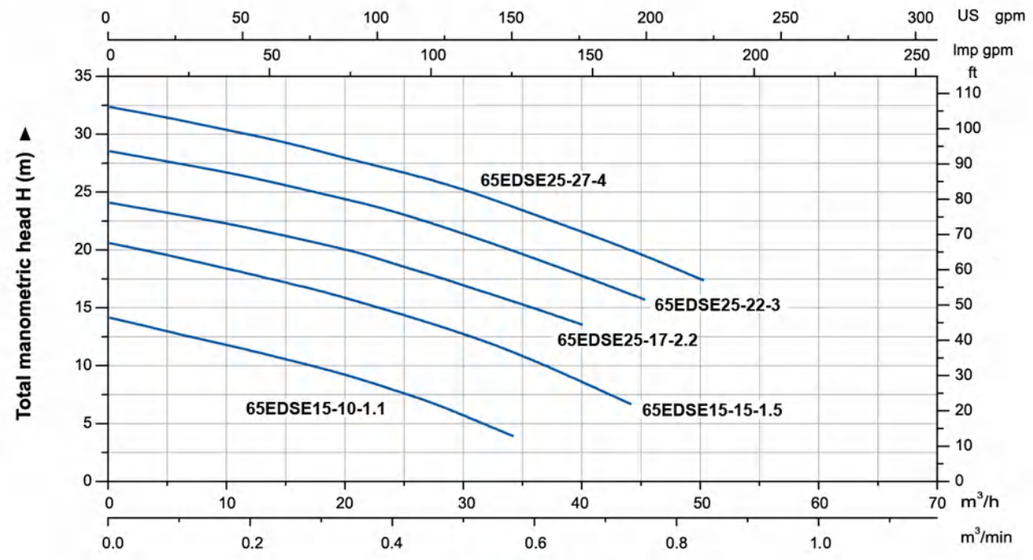
Model		Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
Single Phase	Three Phase	kW	HP				
65EDSEm15-10-1.1	65EDSE15-10-1.1	1.1	1.5	65 (2.5")	15	10	25
65EDSEm15-15-1.5	65EDSE15-15-1.5	1.5	2	65 (2.5")	15	15	25
-	65EDSE25-17-2.2	2.2	3	65 (2.5")	25	17	25
-	65EDSE25-22-3	3	4	65 (2.5")	25	22	25
-	65EDSE25-27-4	4	5.5	65 (2.5")	25	28	25



Dimension

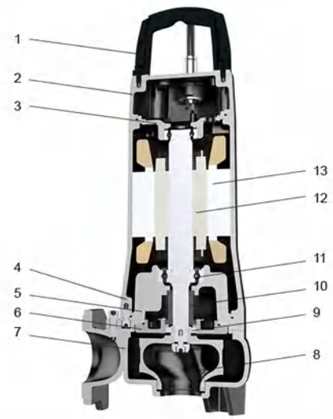
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
65EDSE15-10-1.1	291	226	117	178	557	85	65	130	14	16
65EDSEm15-10-1.1										
65EDSE15-15-1.5					581					
65EDSEm15-15-1.5					622					
65EDSE25-17-2.2					581					
65EDSE25-22-3					610					
65EDSE25-27-4										

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
65EDSE15-10-1.1	46	750	290	368	372
65EDSEm15-10-1.1	48	750	290	368	372
65EDSE15-15-1.5	57	848	290	368	372
65EDSEm15-15-1.5	60	848	290	368	372
65EDSE25-17-2.2	61	848	358	311	294
65EDSE25-22-3	67	848	358	311	294
65EDSE25-27-4	68	848	358	311	294

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Features

- High efficient and anti-clogging Enclosed Channel impeller design
- Flexible installations with hoses, pipes or quick-coupling systems

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

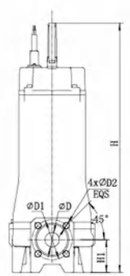
Identification Codes

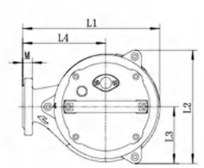
80 EDS E 40 – 9 – 2.2

- Rated Power (kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- Enclosed Channel Impeller
- Submersible Sewage Pump
- Discharge Diameter (mm)

Technical Data

Model	Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
	kW	HP				
80EDSE40-9-2.2	2.2	3	80 (3")	40	9	30
80EDSE40-13-3	3	4	80 (3")	40	13	30
80EDSE40-18-4	4	5.5	80 (3")	40	18	30



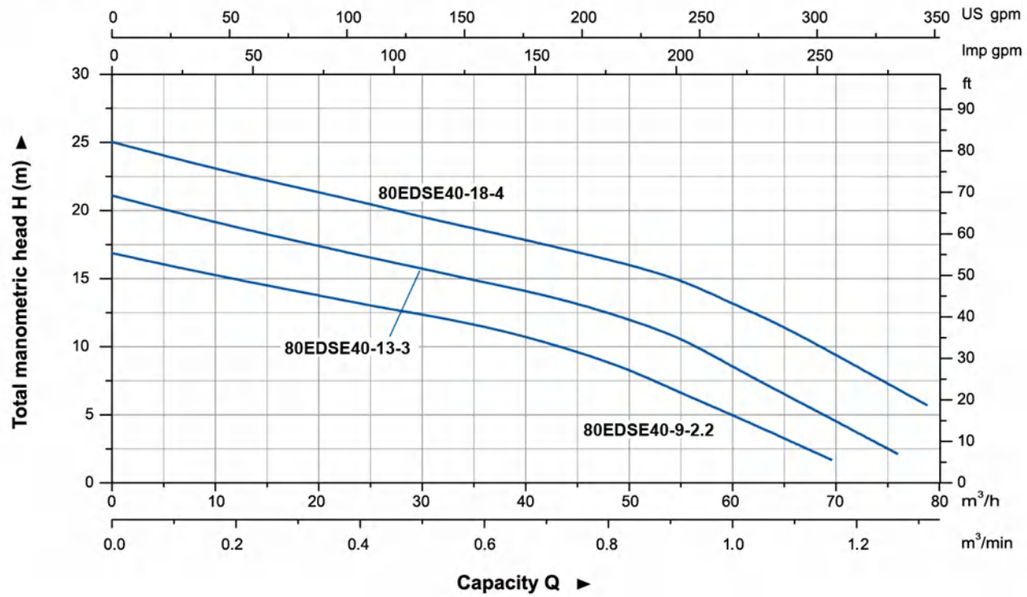


Dimension

Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
80EDSE40-9-2.2	266	224	113	160	594	86	80	150	18	18
80EDSE40-13-3	266	224	113	160	620	86	80	150	18	18
80EDSE40-18-4	266	224	113	160	620	86	80	150	18	18

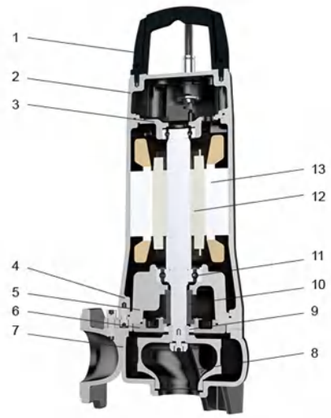
AQUASTRONG
Submersible Sewage Pumps

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
80EDSE40-9-2.2	70	848	358	311	294
80EDSE40-13-3	68.5	848	358	311	294
80EDSE40-18-4	62	848	358	311	294

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Features

- Semi-open Vortex Impeller design, suitable for transfer of liquid containing impurities and long fiber substance
- Flexible installations with hoses, pipes or quick-coupling systems
- Flow switch included for single phase pump with motor power ⩽ 1.1 kW

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

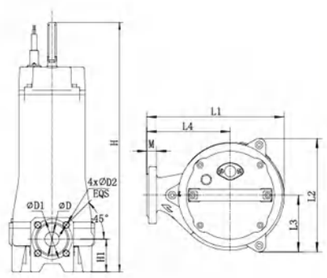
Identification Codes

50 EDS U m 9 – 6 – 0.37

- 0.37 — Rated Power (kW)
- 6 — Rated Head (m)
- 9 — Rated Flow (m^3/h)
- m — Single Phase Motor (Omitted for three–phase motor)
- U — Semi-open Vortex Impeller
- S — Submersible Sewage Pump
- EDS — Discharge Diameter (mm)

Technical Data

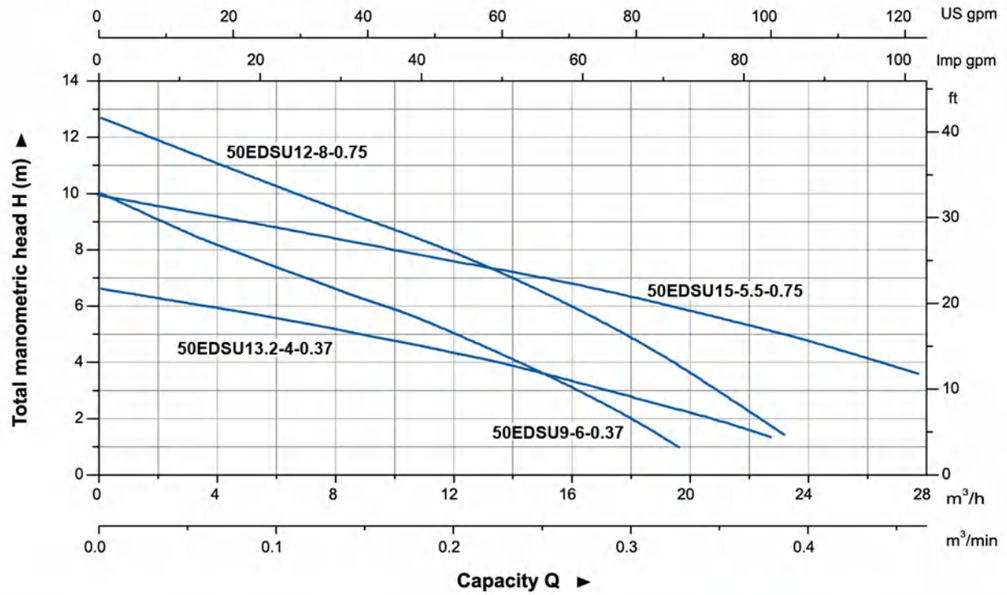
Model		Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
Single Phase	Three Phase	kW	HP				
50EDSUm9-6-0.37	50EDSU9-6-0.37	0.37	0.5	50 (2")	9	6	35
50EDSUm13.2-4-0.37	50EDSU13.2-4-0.37	0.37	0.5	50 (2")	13.2	4	50
50EDSUm12-8-0.75	50EDSU12-8-0.75	0.75	1	50 (2")	12	8	35
50EDSUm15-5.5-0.75	50EDSU15-5.5-0.75	0.75	1	50 (2")	15	5.5	50



Dimension

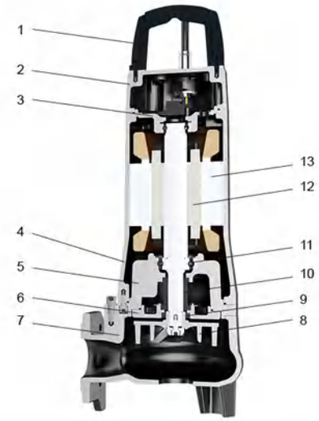
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
50EDSU9-6-0.37	203	178	89	121	560	75	50	110	14	16
50EDSUm9-6-0.37										
50EDSU13.2-4-0.37					575	80				
50EDSUm13.2-4-0.37										
50EDSU12-8-0.75					560	75				
50EDSUm12-8-0.75										
50EDSU15-5.5-0.75					575	80				
50EDSUm15-5.5-0.75										

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
50EDSU9-6-0.37	36	750	290	368	372
50EDSUm9-6-0.37	37	750	290	368	372
50EDSU13.2-4-0.37	36	750	290	368	372
50EDSUm13.2-4-0.37	37	750	290	368	372
50EDSU12-8-0.75	38	750	290	368	372
50EDSUm12-8-0.75	39	750	290	368	372
50EDSU15-5.5-0.75	38	750	290	368	372
50EDSUm15-5.5-0.75	39	750	290	368	372

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Features

- Semi-open Vortex Impeller design, suitable for transfer of liquid containing impurities and long fiber substance
- Flexible installations with hoses, pipes or quick-coupling systems

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

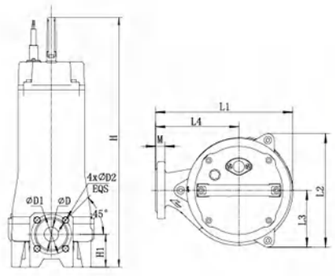
Identification Codes

65 EDS U m 24 – 8.5 – 1.5

- Rated Power (kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- Single Phase Motor (Omitted for three–phase motor)
- Semi-open Vortex Impeller
- Submersible Sewage Pump
- Discharge Diameter (mm)

Technical Data

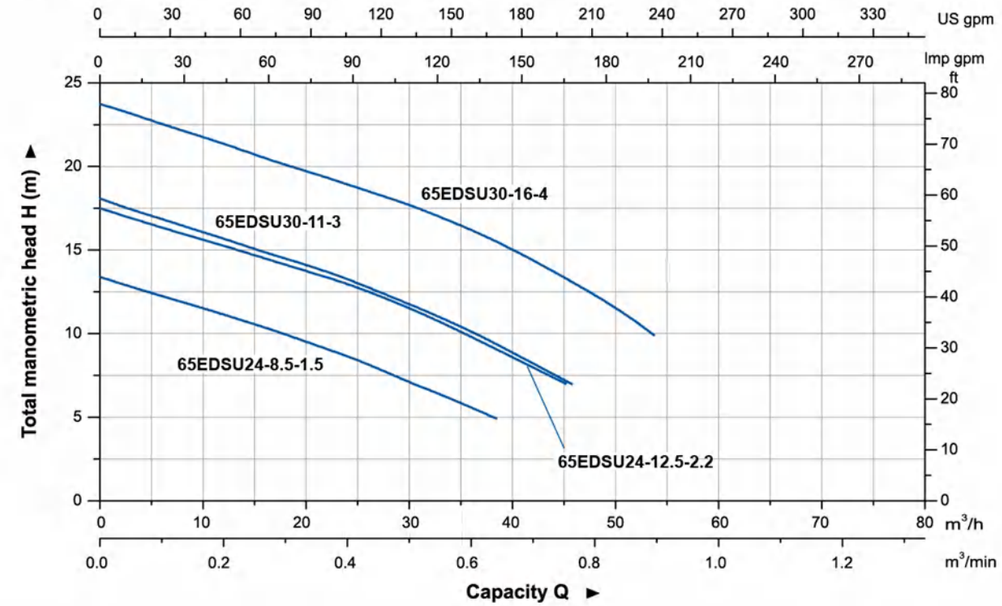
Model		Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
Single Phase	Three Phase	kW	HP				
65EDSUm24-8.5-1.5	65EDSU24-8.5-1.5	1.5	2	65 (2.5")	24	8.5	50
65EDSUm24-12.5-2.2	65EDSU24-12.5-2.2	2.2	3	65 (2.5")	24	12.5	50
-	65EDSU30-11-3	3	4	65 (2.5")	30	11	55
-	65EDSU30-16-4	4	5.5	65 (2.5")	30	16	55



Dimension

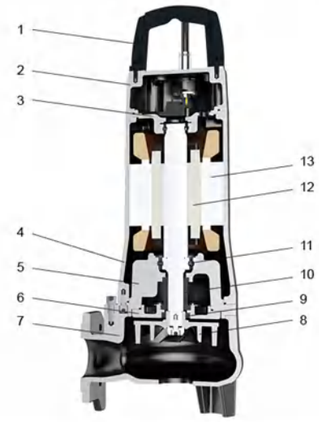
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
65EDSU24-8.5-1.5	268	219	111	161	626	93	65	130	14	16
65EDSUm24-8.5-1.5					667					
65EDSU24-12.5-2.2					626					
65EDSUm24-12.5-2.2					667					
65EDSU30-11-3	260	218	118	149	806	122	80	150	18	18
65EDSU30-16-4										

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
65EDSU24-8.5-1.5	58	848	358	311	294
65EDSUm24-8.5-1.5	60	848	358	311	294
65EDSU24-12.5-2.2	60	848	358	311	294
65EDSUm24-12.5-2.2	62	918	338	306	294
65EDSU30-11-3	68	848	358	311	294
65EDSU30-16-4	69	918	338	306	294

Impeller

(Hose coupling as standard.
Flange elbow is available on request.)

Applications

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage form hotels, restaurants, schools and public buildings

Features

- Semi-open Vortex Impeller design, suitable for transfer of liquid containing impurities and long fiber substance
- Flexible installations with hoses, pipes or quick-coupling systems

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

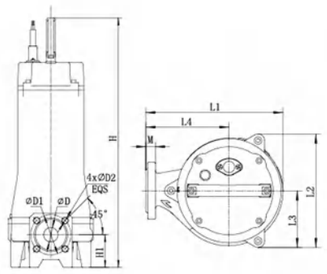
Identification Codes

80 EDS U m 30 – 4.5 – 1.5

- Rated Power (kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- Single Phase Motor (Omitted for three–phase motor)
- Semi-open Vortex Impeller
- Submersible Sewage Pump
- Discharge Diameter (mm)

Technical Data

Model		Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
Single Phase	Three Phase	kW	HP				
80EDSUm30-4.5-1.5	80EDSU30-4.5-1.5	1.5	2	80 (3")	30	4.5	76
80EDSUm30-7-2.2	80EDSU30-7-2.2	2.2	3	80 (3")	30	7	76

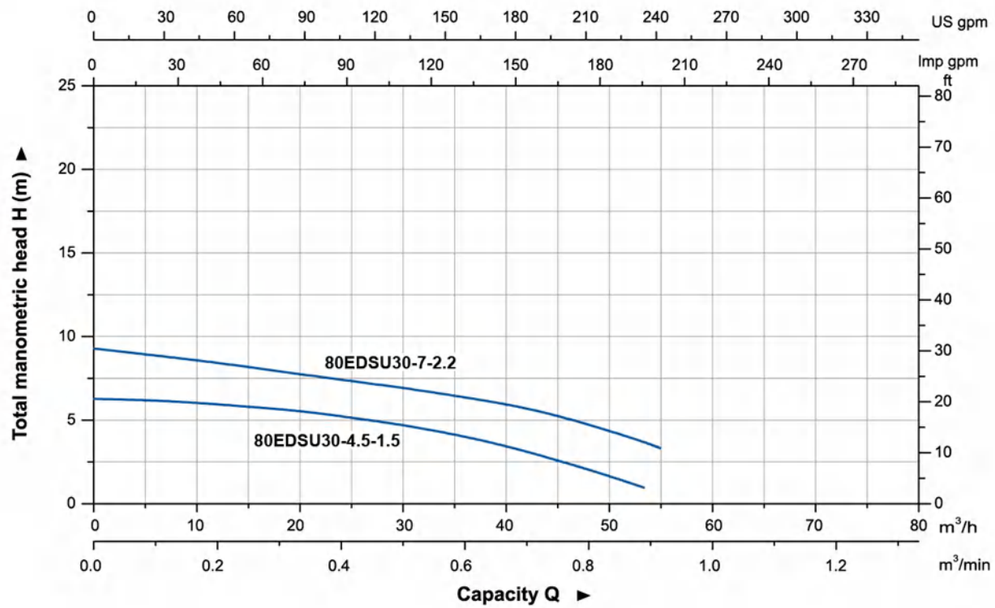


Dimension

Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
80EDSU30-4.5-1.5	260	218	118	149	665	122	80	150	18	18
80EDSUm30-4.5-1.5					706					
80EDSU30-7-2.2					665					
80EDSUm30-7-2.2					706					

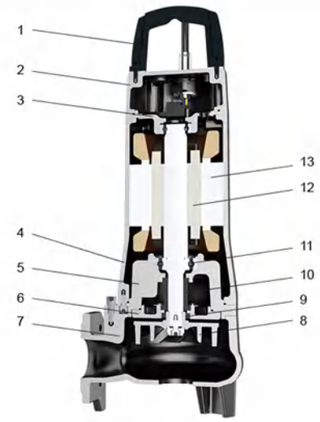
AQUASTRONG
Submersible Sewage Pumps

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Oil seal	
10	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
11	Bearing	
12	Rotor	
13	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
80EDSU30-4.5-1.5	58	918	338	306	294
80EDSUm30-4.5-1.5	61	918	338	306	294
80EDSU30-7-2.2	62	918	338	306	294
80EDSUm30-7-2.2	63	918	338	306	294


Impeller


Cutter

(Flange elbow as standard.)

Applications

- Used In pressure sewage system
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, models
- Transferring wastewater of commercial buildings, industrial plants, wastewater sampling, small hospitals
- Schools, federal, state and local parks, wastewater drainage
- To transfer various wastewater and sewage

Features

- The pump has a semi-open impeller design with a reliable grinding system.
- The large-diameter impeller generates a high pressure and the grinding system grinds solids into small pieces, which can be drained without clogging the pipes.
- The pumps can be connected to pipes directly or to an auto-coupling system.
- Flow switch included for single phase pump with motor power ⩽ 1.1 kW

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

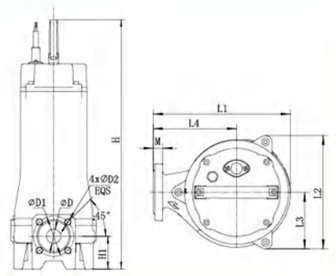
Identification Codes

32 EDS P m 3.6 – 17 – 1.1 /QG

- Cutting Blade
- Rated Power (kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- Single Phase Motor (Omitted for three–phase motor)
- Semi–openImpeller
- Submersible Sewage Pump
- Discharge Diameter (mm)

Technical Data

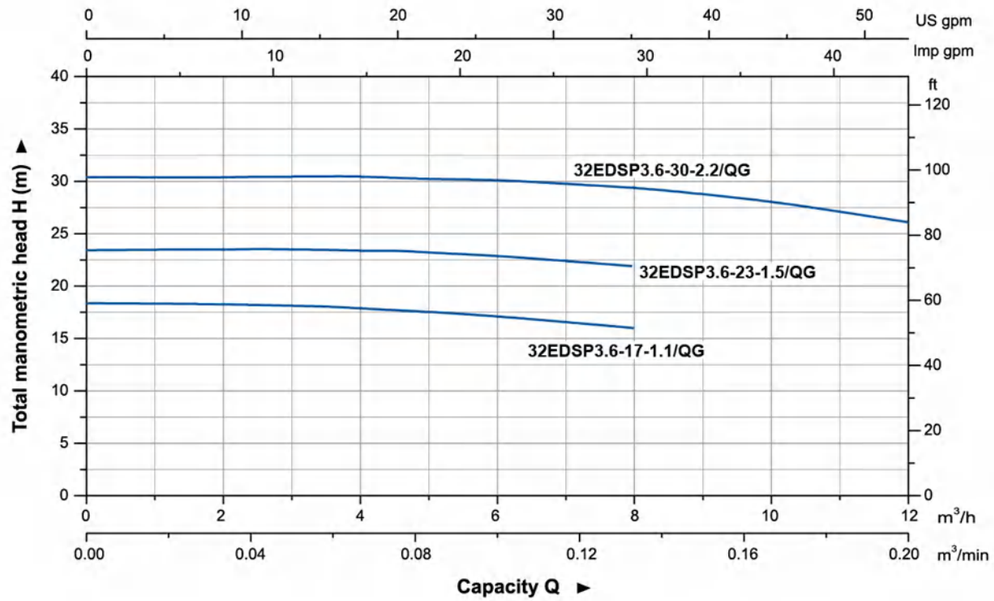
Model		Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
Single Phase	Three Phase	kW	HP				
32EDSPm3.6-17-1.1/QG	32EDSP3.6-17-1.1/QG	1.1	1.5	32 (1 1/4")	3.6	17	-
32EDSPm3.6-23-1.5/QG	32EDSP3.6-23-1.5/QG	1.5	2	32 (1 1/4")	3.6	23	-
32EDSPm3.6-30-2.2/QG	32EDSP3.6-30-2.2/QG	2.2	3	32 (1 1/4")	3.6	30	-



Dimension

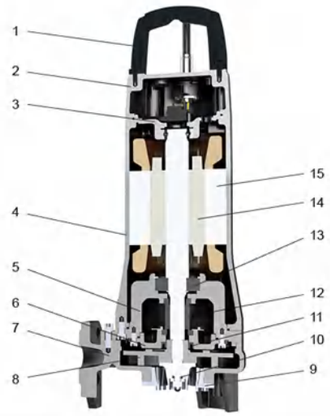
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
32EDSP3.6-17-1.1/QG	231	192	96	140	535	73	32	90	14	16
32EDSPm3.6-17-1.1/QG										
32EDSP3.6-23-1.5/QG					559					
32EDSPm3.6-23-1.5/QG					600					
32EDSP3.6-30-2.2/QG					559					
32EDSPm3.6-30-2.2/QG					600					

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Cutting ring	AISI304
10	Radial cutter	AISI304
11	Oil seal	
12	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
13	Bearing	
14	Rotor	
15	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
32EDSP3.6-17-1.1/QG	38	848	358	311	294
32EDSPm3.6-17-1.1/QG	39	848	358	311	294
32EDSP3.6-23-1.5/QG	48	848	358	311	294
32EDSPm3.6-23-1.5/QG	50	848	358	311	294
32EDSP3.6-30-2.2/QG	50.5	848	358	311	294
32EDSPm3.6-30-2.2/QG	52	848	358	311	294

Impeller Cutter

(Flange elbow as standard.)

Applications

- Used In pressure sewage system
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, models
- Transferring wastewater of commercial buildings, industrial plants, wastewater sampling, small hospitals
- Schools, federal, state and local parks, wastewater drainage
- To transfer various wastewater and sewage

Features

- The pump has a semi-open impeller design with a reliable grinding system.
- The large-diameter impeller generates a high pressure and the grinding system grinds solids into small pieces, which can be drained without clogging the pipes.
- The pumps can be connected to pipes directly or to an auto-coupling system.

Working Conditions

- Liquid temperature: 0 - 40 °C
- Max immersion depth: 5 m

Motor

- Frequency/Pole number: 50 Hz/2
- Insulation class: F
- Protection class: IPX8
- Bearing: Ball type
- Mechanical seal: Double-end mechanical seals

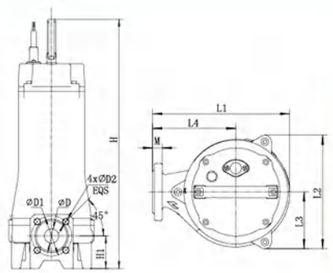
Identification Codes

50 EDS P 12 – 19 – 2.2/QG

- Cutting Blade
- Rated Power (kW)
- Rated Head (m)
- Rated Flow (m^3/h)
- Semi–openImpeller
- Submersible Sewage Pump
- Discharge Diameter (mm)

Technical Data

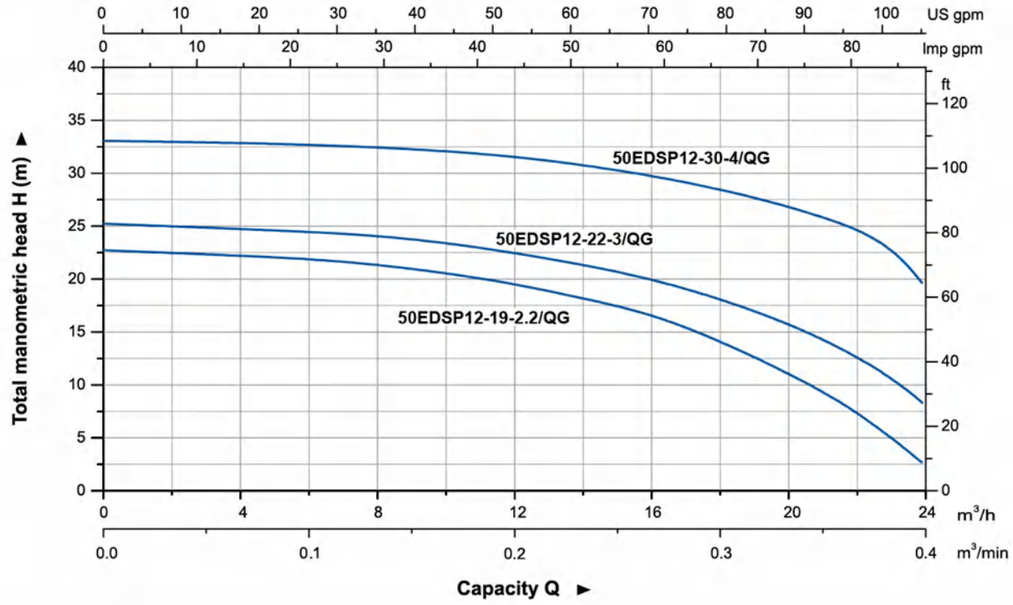
Model	Power		Discharge mm (inch)	Rated Flow (m^3/h)	Rated Head (m)	Solid Passage (mm)
	kW	HP				
50EDSP12-19-2.2/QG	2.2	3	50 (2")	12	19	-
50EDSP12-22-3/QG	3	4	50 (2")	12	22	-
50EDSP12-30-4/QG	4	5.5	50 (2")	12	30	-



Dimension

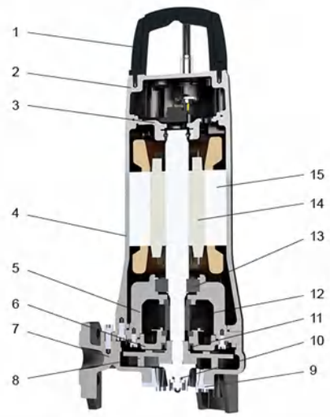
Model	L1	L2	L3	L4	H	H1	D	D1	D2	M
50EDSP12-19-2.2/QG	243	212	106	145	559	73	40	100	14	16
50EDSP12-22-3/QG	243	212	106	145	588	73	40	100	14	16
50EDSP12-30-4/QG	243	212	106	145	588	73	40	100	14	16

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Handle	ZG304
2	Upper cover	HT200
3	Upper bearing seat	HT200
4	Motor body	HT200
5	Oil chamber	HT200
6	Pump cover	HT200
7	Pump body	HT200
8	Impeller	HT200
9	Cutting ring	AISI304
10	Radial cutter	AISI304
11	Oil seal	
12	Mechanical seal	Upper:Sic/Carbon Lower:Sic/Sic
13	Bearing	
14	Rotor	
15	Stator	



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
50EDSP12-19-2.2/QG	53	848	358	311	294
50EDSP12-22-3/QG	60	848	358	311	294
50EDSP12-30-4/QG	63	848	358	311	294

Guide Rail System

- Suitable for pumps with flange conforming ISO7005-92 standard.
- Automatic engagement with flanged elbow

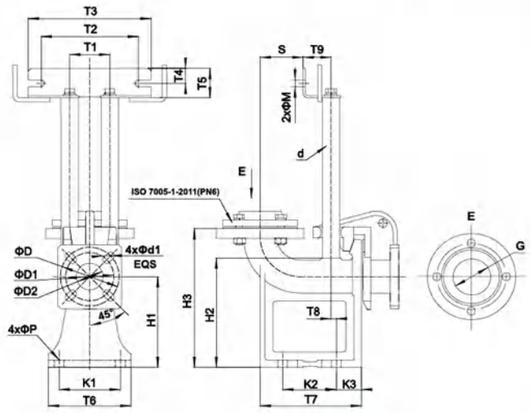
Includes

- Duck-foot bend
- Guide hook
- Flange connector
- Upper guide support
- Bolts and lock washers
  (Foundation bolts and guide pipes are not included)

Identification Codes

EDS 50 – 50

- Pipe Diameter
- Pump Outlet
- LEO Product Style



Dimension

Model	D	D1	D2	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	K3	H1	H2	H3	S	M	P	d	d1	G
EDS50-50	110	90	50	75	182	230	28	55	165	190	12	52.5	115	100	45	170	205	260	80.5	12	18	25	14	G2
EDS65-65	130	-	65	85	182	230	28	55	190	210	17	59	145	120	45	175	220	270	89	12	18	32	14	G2.5
EDS80-80	150	-	80	85	182	230	28	55	220	242	27	59	175	160	41	190	246	290	115	12	18	32	18	G3

Package Information：Carton（Wooden Case Optional）

Model	Carton				Wooden Case			
	L (mm)	W (mm)	H (mm)	G.W (kg)	L (mm)	W (mm)	H (mm)	G.W (kg)
EDS50-50	390	345	260	18.5	410	355	250	23
EDS65-65	430	375	285	24	440	375	275	28
EDS80-80	475	410	310	32.5	485	405	305	36

WQ(D) 0.75 - 7.5 kW

WQ 11 - 45 kW

(Hose coupling as standard. Flange elbow is available on request.)

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℃
- Liquid pH value: 6.5 – 8.5
- Max. liquid density: 1.3x10^{3}kg/m^3
- Water temperature: up to 35℃
- Max.Immersion depth: 10 m
- Allowed by the particle diameter: 20 - 80 mm

Motor

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

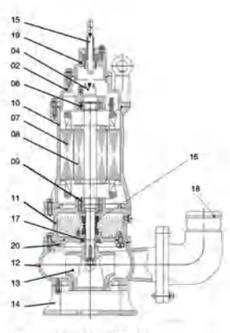
Technical Data

Model	Voltage	Motor Power		Outlet	Guide Rial Fitting	Max flow	Max head	Speed	Impeller passage	N.W	Packing dimension
	V	kW	HP	in		m^3/h	m	r.p.m	mm	kg	mm
50WQ10-10-0.75	380	0.75	1	2	50-50	28	13	2850	25	18	500*260*240
50WQD10-10-0.75	220	0.75	1	2	50-50	28	13	2850	25	19	500*260*240
50WQ8-16-1.1	380	1.1	1.5	2	50-50	25	19	2850	20	23.5	510*260*240
50WQD8-16-1.1	220	1.1	1.5	2	50-50	25	19	2850	20	24.5	520*260*240
65WQ15-10-1.1	380	1.1	1.5	2 1/2	50-65	28	15	2850	25	23.5	510*260*240
65WQD15-10-1.1	220	1.1	1.5	2 1/2	50-65	28	15	2850	25	24.5	520*260*240
50WQ8-20-1.5	380	1.5	2	2	50-50	25	22	2850	20	25	520*260*240
50WQD8-20-1.5	220	1.5	2	2	50-50	25	22	2850	20	26	520*260*240
65WQ15-15-1.5	380	1.5	2	2 1/2	50-65	35	20	2850	25	25	520*260*240
65WQD15-15-1.5	220	1.5	2	2 1/2	50-65	35	20	2850	25	26	520*260*240
50WQ15-20-2.2	380	2.2	3	2	50-50	38	23	2850	25	44	680*260*300
65WQ25-17-2.2	380	2.2	3	2 1/2	65-65	44	22	2850	25	42	680*260*300
80WQ40-9-2.2	380	2.2	3	3	65-80	65	16	2850	30	41	710*260*290
50WQ15-26-3	380	3	4	2	50-50	47	29	2850	25	49	710*260*290
65WQ25-22-3	380	3	4	2 1/2	65-65	55	26	2850	30	52	710*260*290
80WQ40-13-3	380	3	4	3	80-80	72	21	2850	30	51	740*240*290
100WQ60-9-3	380	3	4	4	80-100	88	19	2850	30	53	740*240*290
65WQ25-28-4	380	4	5.5	2 1/2	65-65	55	32	2850	25	61	770*260*230
80WQ40-18-4	380	4	5.5	3	80-80	80	24	2850	30	64	800*260*290
100WQ60-13-4	380	4	5.5	4	80-100	89	24	2850	30	65	800*260*290
50WQ15-40-5.5	380	5.5	7.5	2	50-50	50	43	2850	25	73	790*290*310
80WQ30-30-5.5	380	5.5	7.5	3	80-80	47	37	2850	30	73	810*290*320
100WQ65-15-5.5	380	5.5	7.5	4	100-100A	108	25	2850	30	79	820*300*350
50WQ20-45-7.5	380	7.5	10	2	50-50	59	48	2850	25	112	934*364*435

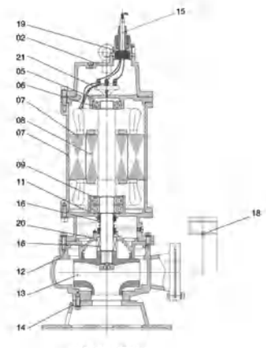
Model	Voltage	Motor Power		Outlet	Guide Rial Fitting	Max flow	Max head	Speed	Impeller passage	N.W	Packing dimension
	V	kW	HP	in		m³/h	m	r.p.m	mm	kg	mm
80WQ30-33-7.5	380	7.5	10	3	80-80	77	39	2850	30	112	934*364*435
100WQ65-22-7.5	380	7.5	10	4	100-100A	108	34	2850	35	115	964*364*425
150WQ100-10-7.5	380	7.5	10	6	150-150	140	20	2850	35	115	1010*370*410
100WQ65-15-5.5(4P)	380	5.5	7.5	4	100-100	145	21	1450	55	126	1030*450*530
150WQ110-10-5.5(4P)	380	5.5	7.5	6	150-150	200	16	1450	55	153	1030*450*530
100WQ100-15-7.5(4P)	380	7.5	10	4	100-100	170	21	1450	55	156	1030*450*530
150WQ150-10-7.5(4P)	380	7.5	10	6	150-150	220	16	1450	75	163	1050*500*600
200WQ250-6-7.5(4P)	380	11	15	8	200-200	372	12	1450	55	200	730*490*1115
100WQ100-25-11(4P)	380	11	15	4	100-100	180	26	1450	50	221	500*600*1050
150WQ130-15-11(4P)	380	11	15	6	150-150	270	20	1450	50	239	500*600*1180
200WQ300-7-11(4P)	380	11	15	8	200-200	360	18	1450	65	252	500*600*1180
100WQ100-30-15(4P)	380	15	20	4	100-100	190	32	1450	50	239	500*600*1180
150WQ130-20-15(4P)	380	15	20	6	150-150	300	23	1450	50	259	500*600*1180
200WQ250-11-15(4P)	380	15	20	8	200-200	380	22	1450	65	274	500*600*1180
100WQ100-29-18.5(4P)	380	11	15	4	100-100	200	35	1450	50	290	640*480*1270
150WQ180-20-18.5(4P)	380	18.5	25	6	150-150	300	26	1450	50	300	510*640*1210
200WQ250-15-18.5(4P)	380	18.5	25	8	200-200	400	25	1450	65	300	510*640*1210
100WQ100-32-22(4P)	380	22	30	4	100-100	210	40	1450	50	324	680*490*1360
150WQ180-25-22(4P)	380	22	30	6	150-150	330	28	1450	50	324	510*640*1250
200WQ300-15-22(4P)	380	22	30	8	200-200	450	28	1450	65	324	510*640*1250
150WQ180-30-30(4P)	380	30	40	6	150-150	350	38	1450	70	445	630*660*1360
200WQ250-22-30(4P)	380	30	40	8	200-200	500	34	1450	70	446	660*690*1360
250WQ600-9-30(4P)	380	30	40	10	250-250	600	28	1450	70	446	660*710*1360
300WQ800-7-30(4P)	380	30	40	12	300-300	1000	18	1450	80	486	700*750*1450
150WQ160-45-37(4P)	380	37	50	6	150-150	380	43	1450	70	490	630*660*1360
200WQ350-25-37(4P)	380	37	50	8	200-200	500	38	1450	70	492	660*690*1360
250WQ600-12-37(4P)	380	37	50	10	250-250	720	32	1450	70	495	660*710*1360
300WQ900-8-37(4P)	380	37	50	12	300-300	1200	22	1450	80	535	700*750*1450
200WQ380-28-45(4P)	380	45	60	8	200-200	800	38	1450	70	545	660*710*1450
250WQ600-15-45(4P)	380	45	60	10	250-250	600	43	1450	70	545	660*710*1500
300WQ800-12-45(4P)	380	45	60	12	300-300	1300	25	1450	80	575	700*750*1600

Materials Table

No.	Part	Material
01	Handle	Steel
02	Upper cover	Cast iron
03	Capacitor	
04	Thermal protector	
05	Upper bearing seat	Cast iron
06	Bearing	
07	Stator	
08	Rotor	
09	Bearing	
10	Motor body	Cast iron
11	Bearing seat	Cast iron
12	Pump body	Cast iron
13	Impeller	Cast iron
14	Base	Cast iron
15	Cable	
16	Mechanical seal	Sic-Sic/Carbon-Ceramic(<7.5 kW) Sic-Sic/Sic-Sic(>7.5 kW)
17	Oil seal	
18	Hose coupling	Cast iron
19	Terminal box	Cast iron
20	Seal bracket	Cast iron
21	Wiring terminal	

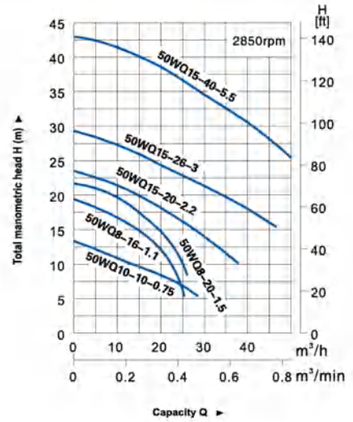


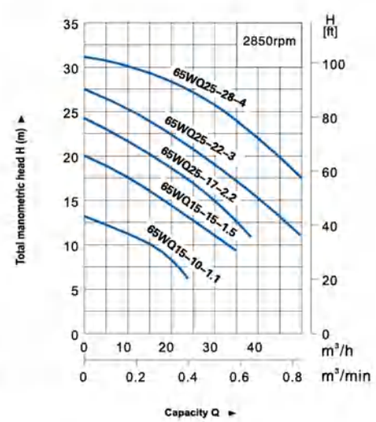
WQ(D) 0.75 - 7.5 kW

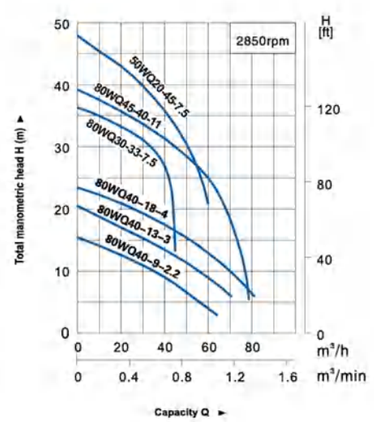


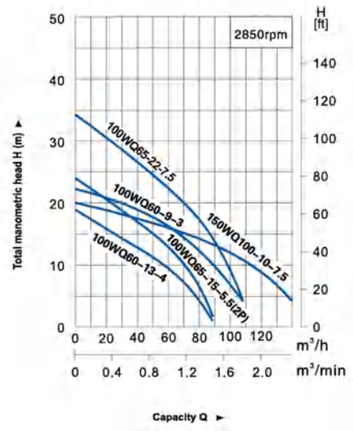
WQ 11 - 45 kW

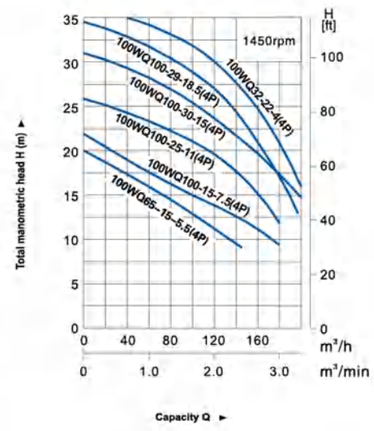
Hydraulic Performance Curves

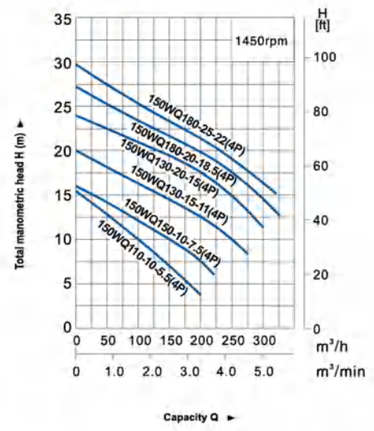


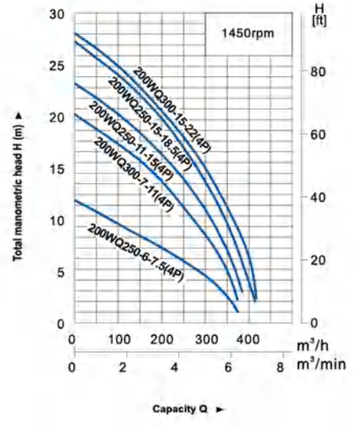


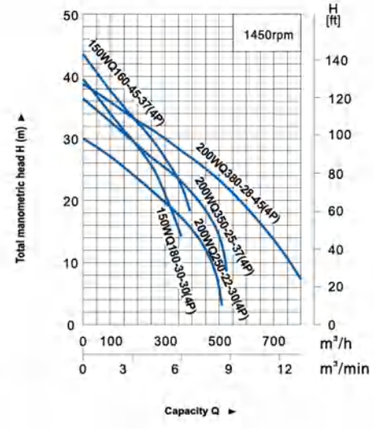


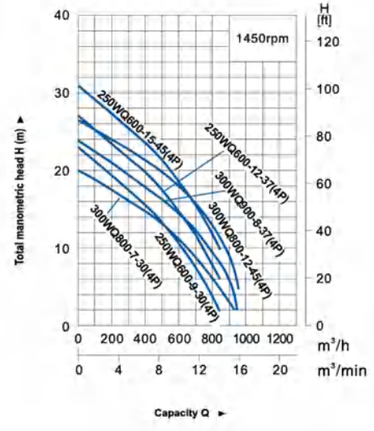




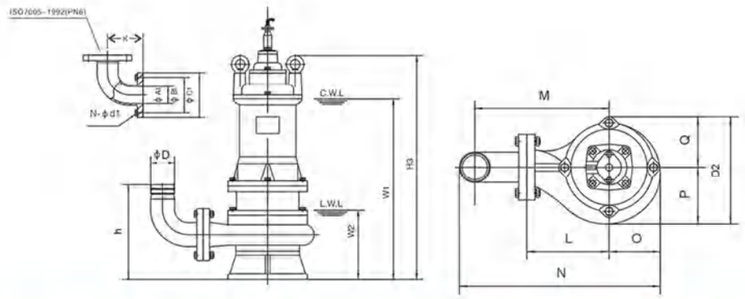






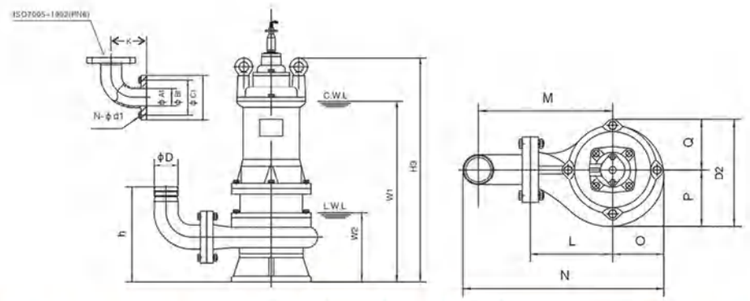


Dimension



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	160	450	100	330	95	100	85	140	205	185
50WQD10-10-0.75	50	50	110	140	4-Φ14	204	340	160	450	100	330	95	100	85	140	205	185
50WQ8-16-1.1	50	50	110	140	4-Φ14	202	350	165	460	100	340	90	105	82	145	210	187
50WQD8-16-1.1	50	50	110	140	4-Φ14	202	370	165	480	100	340	90	105	82	145	210	187
65WQ15-10-1.1	65	50	110	140	4-Φ14	212	350	165	460	122	345	90	105	82	145	208	187
65WQD15-10-1.1	65	50	110	140	4-Φ14	212	370	165	480	122	345	90	105	82	145	208	187
50WQ8-20-1.5	50	50	110	140	4-Φ14	202	370	165	480	100	340	90	105	82	145	210	187
50WQD8-20-1.5	50	50	110	140	4-Φ14	202	390	165	500	100	340	90	105	82	145	210	187
65WQ15-15-1.5	65	50	110	140	4-Φ14	212	370	165	480	122	345	90	105	82	145	208	187
65WQD15-15-1.5	65	50	110	140	4-Φ14	212	390	165	500	122	345	90	105	82	145	208	187
50WQ15-20-2.2	50	50	110	140	4-Φ14	213	445	224	550	100	360	105	114	98	165	230	212
65WQ25-17-2.2	65	65	130	160	4-Φ14	223	445	224	550	122	365	105	115	100	165	228	215
80WQ40-9-2.2	80	65	130	160	4-Φ14	251	455	233	560	122	385	105	112	96	160	245	208
50WQ15-26-3	50	50	110	140	4-Φ14	212	464	224	570	100	360	105	115	97	165	230	212
65WQ25-22-3	65	65	130	160	4-Φ14	222	464	224	570	122	365	105	115	98	165	228	213
80WQ40-13-3	80	80	150	190	4-Φ18	262	490	250	595	140	380	105	115	98	155	235	213
100WQ60-9-3	100	80	150	190	4-Φ18	292	490	250	595	150	410	105	115	98	155	255	213
65WQ25-28-4	65	65	130	160	4-Φ14	241	502	242	612	122	390	115	125	110	180	243	235
80WQ40-18-4	80	80	150	190	4-Φ18	272	528	270	640	140	375	105	112	98	150	230	210
100WQ60-13-4	100	80	150	190	4-Φ18	302	528	270	640	150	405	105	112	98	150	250	210
50WQ15-40-5.5	50	50	110	140	4-Φ14	237	523	238	645	100	390	120	125	115	180	245	240
80WQ30-30-5.5	80	80	150	190	4-Φ18	270	540	255	660	140	405	110	115	105	175	255	220
100WQ65-15-5.5	100	100	170	210	4-Φ18	305	555	270	675	150	461	130	140	115	181	281	255
50WQ20-45-7.5	50	50	110	140	4-Φ14	271	650	340	810	100	391	130	140	115	181	233	255
80WQ30-33-7.5	80	80	150	190	4-Φ18	310	650	340	810	140	431	130	140	115	181	261	255
100WQ65-22-7.5	100	100	170	210	4-Φ18	340	660	350	820	150	495	140	150	130	205	305	280
150WQ100-10-7.5	150	150	225	265	8-Φ18	560	670	362	830	230	565	145	160	135	210	345	295

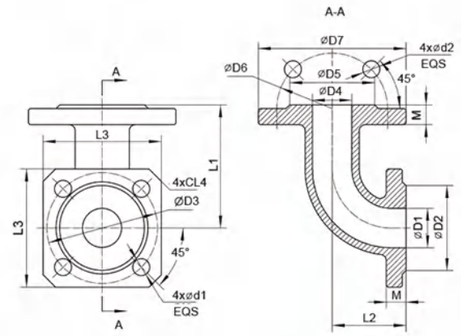
Dimension



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	363	835	150	620	190	200	175	280	380	375
150WQ110-10-5.5(4P)	150	150	225	265	8-Φ18	415	697	383	855	230	680	195	210	170	275	410	380
100WQ-100-15-7.5(4P)	100	100	170	210	4-Φ18	382	695	381	853	150	675	205	225	190	320	420	415
150WQ150-10-7.5(4P)	150	150	225	265	8-Φ18	420	708	394	866	230	705	195	216	170	300	345	386
200WQ250-6-7.5(4P)	200	200	280	320	8-Φ18	540	750	330	910	260	875	225	256	192	350	550	448
100WQ100-25-11(4P)	100	100	170	210	4-Φ18	370	730	410	980	150	680	210	240	220	320	420	460
150WQ130-15-11(4P)	150	150	225	265	8-Φ18	450	780	460	1020	230	760	200	240	190	350	458	430
200WQ300-7-11(4P)	200	200	280	320	8-Φ18	590	780	460	1020	260	875	205	240	190	370	570	430
100WQ100-30-15(4P)	100	100	170	210	4-Φ18	370	770	410	1010	150	680	210	240	220	320	420	460
150WQ130-20-15(4P)	150	150	225	265	8-Φ18	450	820	460	1060	230	760	200	240	190	350	485	430
200WQ250-11-15(4P)	200	200	280	320	8-Φ18	590	820	460	1060	260	875	205	240	190	370	570	430
100WQ100-29-18.5(4P)	100	100	170	210	4-Φ18	390	855	480	1100	150	690	220	240	220	320	420	440
150WQ180-20-18.5(4P)	150	150	225	265	8-Φ18	450	885	510	1130	230	760	200	240	190	350	485	430
200WQ250-15-18.5(4P)	200	200	280	320	8-Φ18	590	885	510	1130	260	875	205	240	190	370	570	430
100WQ100-32-22(4P)	100	100	170	210	4-Φ18	390	885	480	1130	150	690	220	240	220	320	420	460
150WQ180-25-22(4P)	150	150	225	265	8-Φ18	450	915	510	1160	230	760	200	240	190	350	485	430
200WQ300-15-22(4P)	200	200	280	320	8-Φ18	590	915	510	1160	260	875	205	240	190	370	570	430
150WQ180-30-30(4P)	150	150	225	265	8-Φ18	463	972	560	1200	230	810	240	270	230	360	495	500
200WQ250-22-30(4P)	200	200	280	320	8-Φ18	593	960	550	1200	260	950	250	310	220	400	600	530
250WQ600-9-30(4P)	250	250	335	375	12-Φ18	665	1020	605	1250	300	1030	260	330	240	410	615	570
300WQ800-7-30(4P)	300	300	395	440	12-Φ18	750	1070	650	1300	350	1040	270	330	240	410	620	570
150WQ160-45-37(4P)	150	150	225	265	28-Φ18	463	972	560	1185	230	810	240	270	230	360	495	500
200WQ350-25-37(4P)	200	200	280	320	8-Φ18	593	960	550	1170	260	950	250	310	220	400	600	530
250WQ600-12-37(4P)	250	250	335	375	12-Φ18	665	1020	605	1230	300	1000	260	330	240	410	615	570
300WQ900-8-37(4P)	300	300	395	440	12-Φ22	750	1070	650	1280	350	1040	270	330	240	410	620	570
200WQ380-28-45(4P)	200	200	280	320	8-Φ18	560	1045	585	1250	260	950	250	310	220	400	600	530
250WQ600-15-45(4P)	250	250	335	375	12-Φ18	665	1065	605	1230	300	1000	260	330	240	410	615	570
300WQ800-12-45(4P)	300	300	395	440	12-Φ22	750	1110	650	1350	1040	1270	330	410	240	620	590	650

Flange Elbow

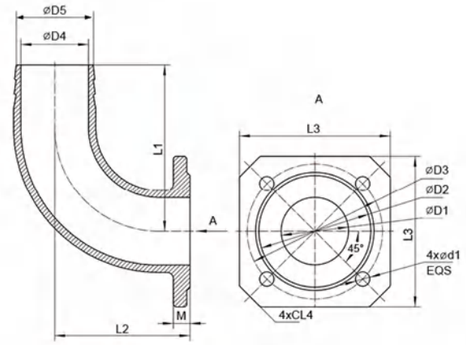
Dimension



Model	D1	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	M	d1	d2
32-32 Flange Elbow	32	69	90	32	69	90	120	100	60	96	10	16	14	14
40-50 Flange Elbow	40	78	100	50	88	110	140	120	60	110	15	16	14	14
50-50 Flange Elbow	50	88	110	50	88	110	140	105	105	120	15	16	14	14
65-65 Flange Elbow	65	108	130	65	108	130	160	130	130	145	20	16	14	14
80-80 Flange Elbow	80	124	150	80	124	150	190	155	155	145	15	18	18	18

Hose Coupling

Dimension



Model	D1	D2	D3	D4	D5	L1	L2	L3	L4	M	d1
• 50-40 Hose Coupling	50	88	110	38	48	115	65	120	15	16	14
• 65-50 Hose Coupling	65	108	130	51	61	125	68	145	20	16	14
• 80-60 Hose Coupling	80	124	150	60	70	140	75	145	15	16	18
50-50 Hose Coupling	50	88	110	50	58	140	120	120	15	16	14
65-65 Hose Coupling	65	108	130	65	74	160	130	145	20	18	14
80-80 Hose Coupling	80	124	150	80	87	190	135	145	15	18	18

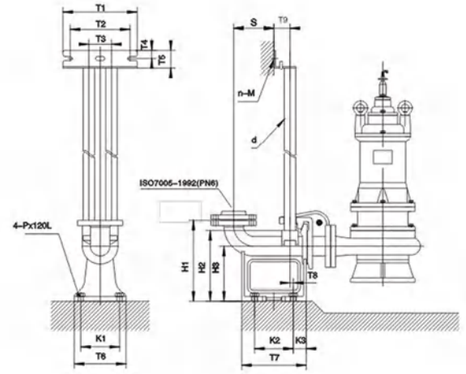
• Product standard

Guide Rail System

- Suitable for pumps with flange conforming ISO7005-92 standard.
- Automatic engagement with flanged elbow

Includes

- Duck-foot bend
- Guide hook
- Flange connector
- Upper guide support
- Bolts and lock washers
  (Foundation bolts and guide pipes are not included)



Model	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	K3	S	H1	H2	H3	D	n-M	P	A
50-50	288	185	70	25	63	160	200	10	50	120	120	40	125	250	203	170	25	2-M10x40	M16	Φ110/4-Φ14
50-65	288	185	70	25	63	160	200	10	50	120	120	40	125	250	203	170	25	2-M10x40	M16	Φ110/4-Φ14
65-65	288	195	80	25	63	190	220	10	60	120	120	40	130	250	203	175	32	2-M10x40	M16	Φ130/4-Φ14
65-80	288	195	80	25	63	190	220	10	60	120	120	40	130	270	220	175	32	2-M10x40	M16	Φ130/4-Φ14
80-80	288	195	80	25	63	220	250	15	60	170	170	40	165	290	242	192	32	2-M10x40	M16	Φ150/4-Φ18
80-100	288	195	80	25	63	220	250	15	60	170	170	40	165	290	242	192	32	2-M10x40	M16	Φ150/4-Φ18
100-100	410	315	170	30	60	320	385	17	90	260	300	48	200	305	245	200	32	2-M12x50	M18	Φ170/4-Φ18
150-150	410	260	280	30	60	400	410	90	100	300	300	55	300	480	388	300	40	2-M12x60	M20	Φ225/8-Φ18
200-200	410	260	280	30	60	400	450	100	100	320	300	54	350	550	432	320	40	2-M12x60	M22	Φ280/8-Φ18
250-250	410	260	280	30	60	460	560	100	100	360	430	65	380	630	453	335	40	2-M12x60	M22	Φ335/12-Φ18

EDH

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

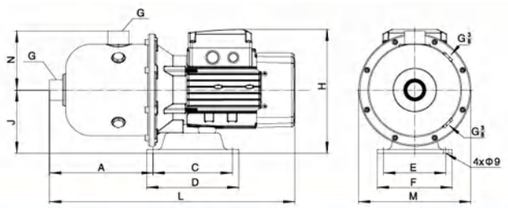
Identification Codes

EDH(m) 2-30
- Impeller Stage x 10
- Rated Flow (m^3/h)
- Single phase (Three-phase model without m)
- Stainless Steel Horizontal Multistage Pump

Technical Data

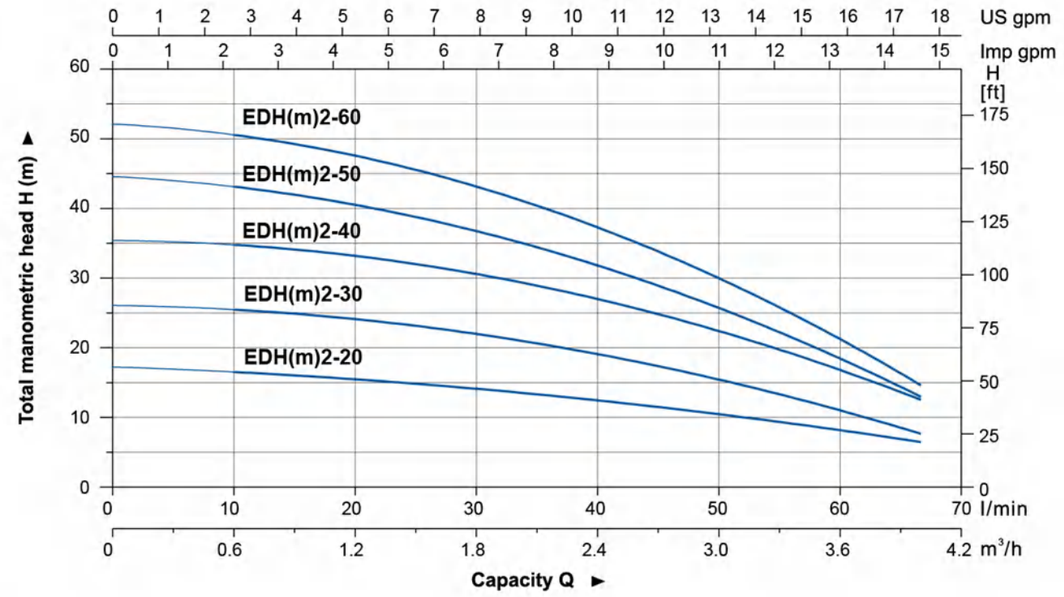
Model	Power (P2)		Q (m^3/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
	kW	HP	Q (l/min)	8.3	16.7	25	33.3	41.7	50	58.3	66.7
EDH(m)2-20	0.37	0.5	H (m)	16.7	16.2	15	14	11	10.6	8.8	6.5
EDH(m)2-30	0.37	0.5		25.8	24.3	23.8	21.3	17	16.1	12.5	7.2
EDH(m)2-40	0.55	0.75		34.8	34.1	33.2	30.7	23	22.9	18.4	12.6
EDH(m)2-50	0.55	0.75		43.5	42.1	39.5	35.9	29	25.7	19.6	13.5
EDH(m)2-60	0.75	1.0		50.8	49.2	45.6	41.5	35	30.4	23.4	14.3

Dimension



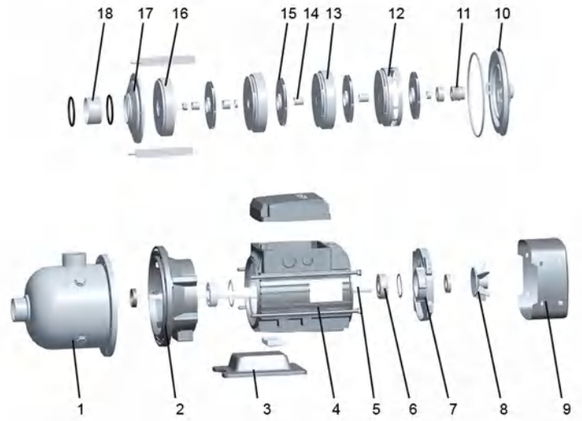
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)2-20	427	180	138	160	108	130	G1	216	110	Φ195	103
EDH(m)2-30	427	180	138	160	108	130	G1	216	110	Φ195	103
EDH(m)2-40	427	180	138	160	108	130	G1	216	110	Φ195	103
EDH(m)2-50	427	180	138	160	108	130	G1	216	110	Φ195	103
EDH(m)2-60	427	180	138	160	108	130	G1	216	110	Φ195	103

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Diffuser 3	AISI 304
13	Diffuser 2	AISI 304
14	Sleeve	AISI 304
15	Impeller	AISI 304
16	Diffuser 1	AISI 304
17	Pressure plate	AISI 304
18	Spacer bush	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)2-20	10.7	465	225	270	1044
EDH(m)2-30	11.1	465	225	270	1044
EDH(m)2-40	12.4	465	225	270	1044
EDH(m)2-50	12.8	465	225	270	1044
EDH(m)2-60	13.8	465	225	270	1044

EDH

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

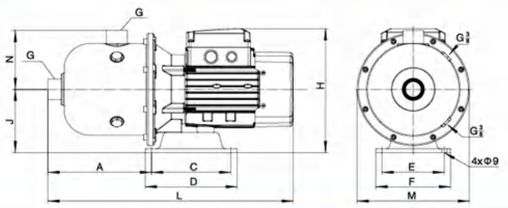
EDH(m) 4-30

- Impeller Stage x 10
- Rated Flow (m^3/h)
- Single phase (Three-phase model without m)
- Stainless Steel Horizontal Multistage Pump

Technical Data

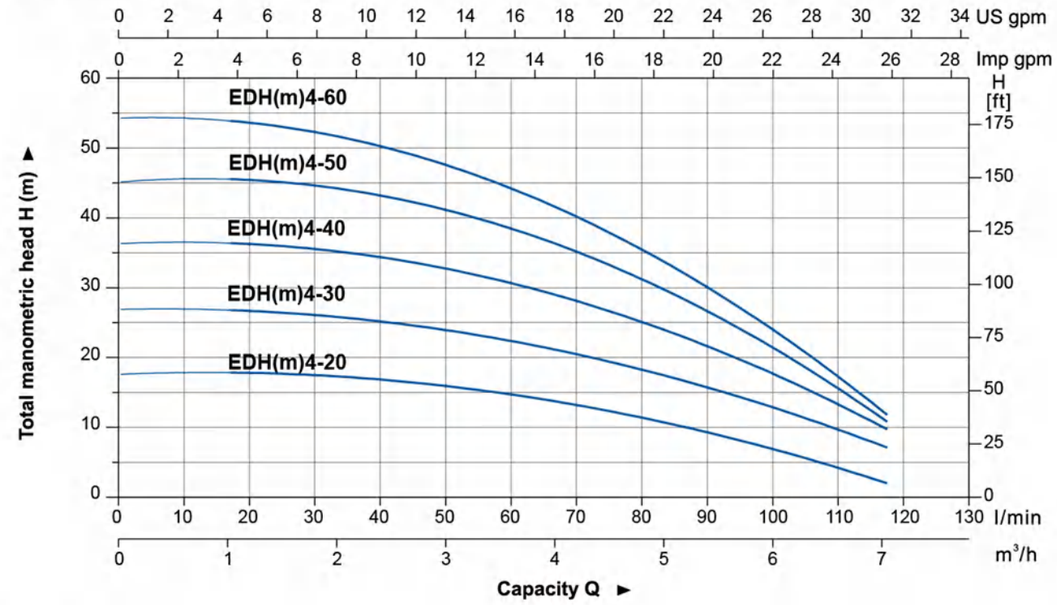
Model	Power (P2)		Q (m^3/h)	1.0	2.0	3.0	4.0	4.5	5.0	6.0	7.0
	kW	HP	Q (l/min)	17	33	50	67	75	83	100	117
EDH(m)4-20	0.55	0.75	H (m)	17.8	17.2	16.1	14.3	12	11.3	6.3	2.3
EDH(m)4-30	0.55	0.75		26.7	26.4	24.6	22.1	18	16.8	13.5	7.3
EDH(m)4-40	0.75	1.0		36.1	35.2	32.9	29.9	25	24.7	18.6	9.2
EDH(m)4-50	1.1	1.5		45.7	43.6	40.5	37	32	31.8	21.8	10
EDH(m)4-60	1.1	1.5		53.6	52	47	42.5	37	35	23	12

Dimension



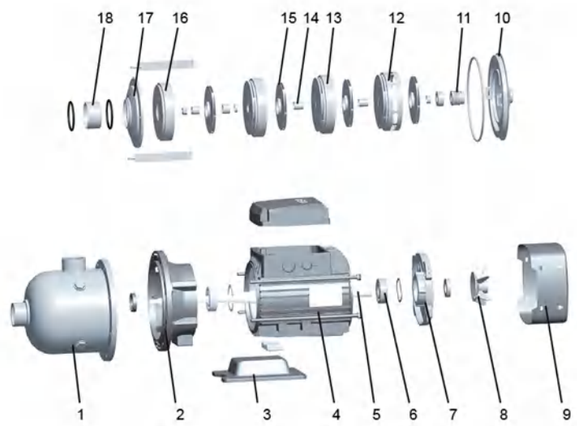
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)4-20	427	180	138	160	108	130	G1¼	216	110	Φ195	103
EDH(m)4-30	427	180	138	160	108	130	G1¼	216	110	Φ195	103
EDH(m)4-40	427	180	138	160	108	130	G1¼	216	110	Φ195	103
EDH(m)4-50	480	180	138	160	108	130	G1¼	245	120	Φ195	103
EDH(m)4-60	480	180	138	160	108	130	G1¼	245	120	Φ195	103

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	SiC/Carbon
12	Diffuser 3	AISI 304
13	Diffuser 2	AISI 304
14	Sleeve	AISI 304
15	Impeller	AISI 304
16	Diffuser 1	AISI 304
17	Pressure plate	AISI 304
18	Spacer bush	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)4-20	11.5	465	225	270	1044
EDH(m)4-30	12.9	465	225	270	1044
EDH(m)4-40	13.8	465	225	270	1044
EDH(m)4-50	18.2	515	225	297	870
EDH(m)4-60	18.6	515	225	297	870

EDH

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

- AISI 304 shaft
- Max.liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

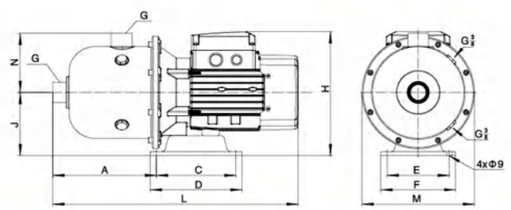
Identification Codes

EDH(m) 10-30
- 10-30: Impeller Stage x 10
- 10-30: Rated Flow (m^3/h)
- (m): Single phase (Three-phase model without m)
- EDH: Stainless Steel Horizontal Multistage Pump

Technical Data

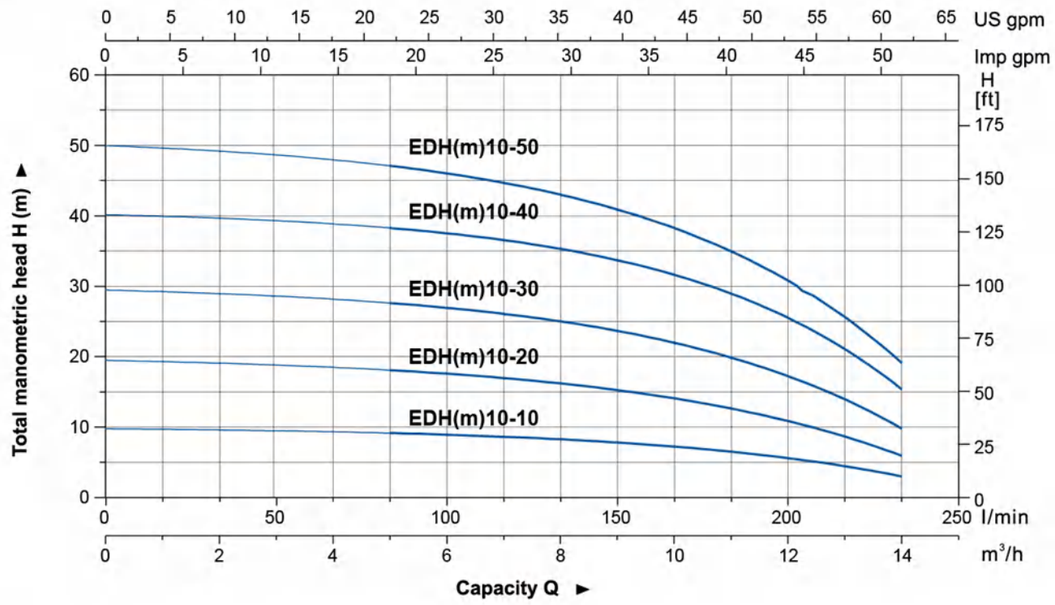
Model	Power		Q (m^3/h)	6	7	8	9	10	11	12	13	14
	kW	HP	Q (l/min)	100	117	133	150	167	183	200	217	233
EDH(m)10-10	0.75	1.0	H (m)	9.1	8.7	8.3	7.8	7.1	6.4	5.4	4.4	3.1
EDH(m)10-20				17.9	17.1	16.3	15.3	13.9	12.4	10.7	8.4	6.2
EDH(m)10-30	1.1	1.5		27.5	26.5	25.2	23.6	21.7	19.3	17	14	10
EDH(m)10-40	1.5	2.0		38.7	37.2	35.9	33.9	31.6	28.7	24.9	19.7	15.9
EDH(m)10-50	2.2	3.0		47.2	45.4	43.6	41	38.2	34.2	30	24.5	18

Dimension



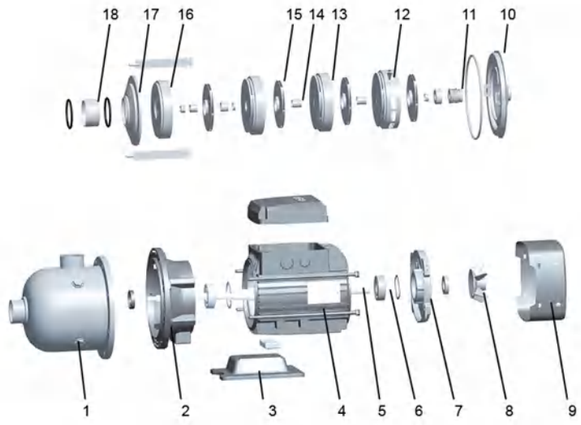
Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)10-10	568	278	138	160	108	130	G2	245	120	Φ233	140
EDH(m)10-20	568	278	138	160	108	130	G2	245	120	Φ233	140
EDH(m)10-30	568	278	138	160	108	130	G2	245	120	Φ233	140
EDH(m)10-40	626	287	138	160	108	130	G2	248	120	Φ233	140
EDH(m)10-50	626	287	138	160	108	130	G2	248	120	Φ233	140

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Diffuser 3	AISI 304
13	Diffuser 2	AISI 304
14	Sleeve	AISI 304
15	Impeller	AISI 304
16	Diffuser 1	AISI 304
17	Pressure plate	AISI 304
18	Spacer bush	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)10-10	21.5	610	265	317	540
EDH(m)10-20	22	610	265	317	540
EDH(m)10-30	23	610	265	317	540
EDH(m)10-40	29	660	265	317	480
EDH(m)10-50	30.7	660	265	317	480

EDH

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

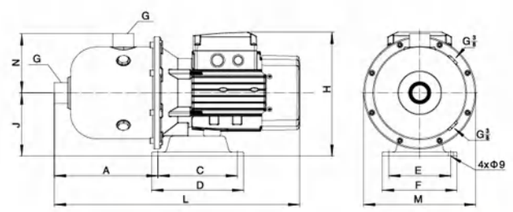
Identification Codes

EDH(m) 15 - 20
- 20 — Impeller Stage x 10
- 15 — Rated Flow (m^3/h)
- (m) — Single phase (Three-phase model without m)
- EDH — Stainless Steel Horizontal Multistage Pump

Technical Data

Model	Power		Q (m^3/h)	9	11	13	15	17	19	22	25	28
	kW	HP	Q (l/min)	150	183	217	250	283	317	367	417	467
EDH(m)15-10	1.1	1.5	H (m)	11.6	11	10.4	9.7	9.1	8.5	7.7	5.9	4.8
EDH(m)15-20	2.2	3.0		25.4	24.5	23.4	22.2	21.1	19.7	17.4	15	12
EDH15-30	3.0	4.0		38.4	37.2	35.8	34.1	32.3	30.2	26.6	22.8	18.8

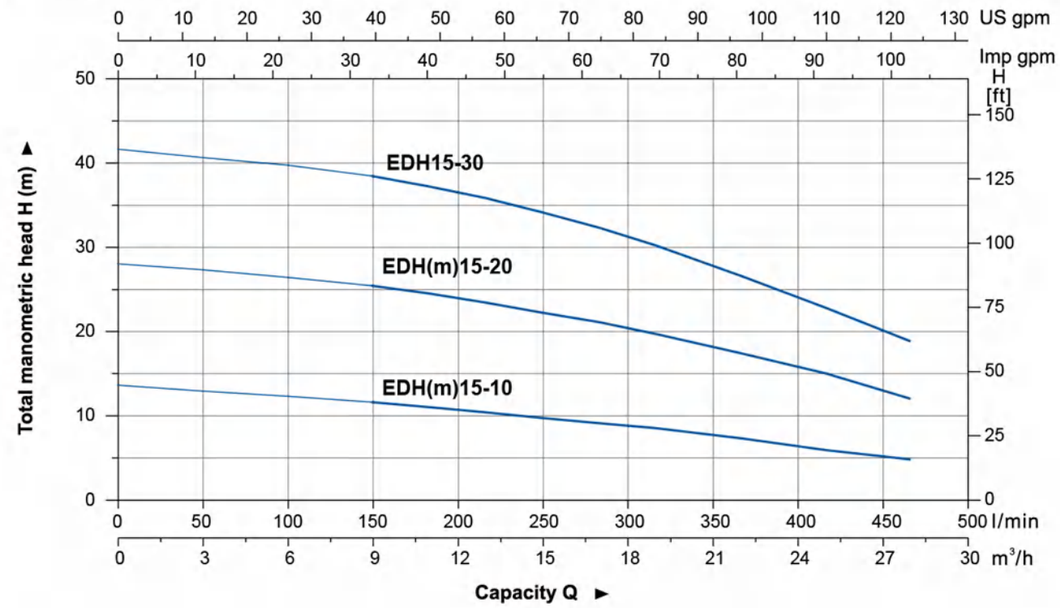
Dimension



Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)15-10	568	278	138	160	108	130	G2	245	120	Φ233	140
EDH(m)15-20	626	287	138	160	108	130	G2	248	120	Φ233	140
EDH15-30	626	287	138	160	108	130	G2	248	120	Φ233	140

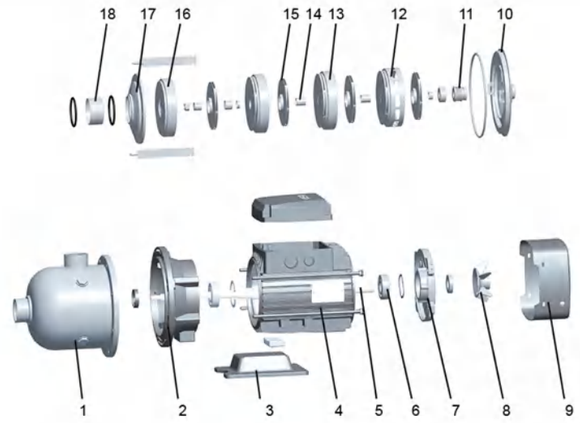
AQUASTRONG
Stainless Steel Horizontal Multistage Pumps

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Diffuser 3	AISI 304
13	Diffuser 2	AISI 304
14	Sleeve	AISI 304
15	Impeller	AISI 304
16	Diffuser 1	AISI 304
17	Pressure plate	AISI 304
18	Spacer bush	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)15-10	20.5	610	265	317	540
EDH(m)15-20	28.8	660	265	317	480
EDH15-30	33	660	265	317	480

EDH

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

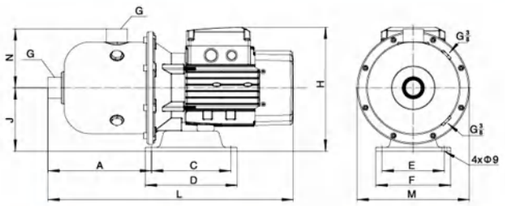
Identification Codes

EDH(m)20-20
- Impeller Stage x 10
- Rated Flow (m^3/h)
- Single phase (Three-phase model without m)
- Stainless Steel Horizontal Multistage Pump

Technical Data

Model	Power		Q (m^3/h)	9	12	15	18	20	22	25	28	31
	kW	HP	Q (l/min)	150	200	250	300	333	367	417	467	517
EDH(m)20-10	1.1	1.5	H (m)	12.6	11.9	11.2	10.2	9.8	8.7	8	6.8	5.2
EDH(m)20-20	2.2	3.0		26.5	25.7	24.5	23.1	22	20.8	18.5	15.9	13.2
EDH20-30	4.0	5.5		41.2	40.3	38.9	36.9	35.3	33.2	30.1	26.3	22

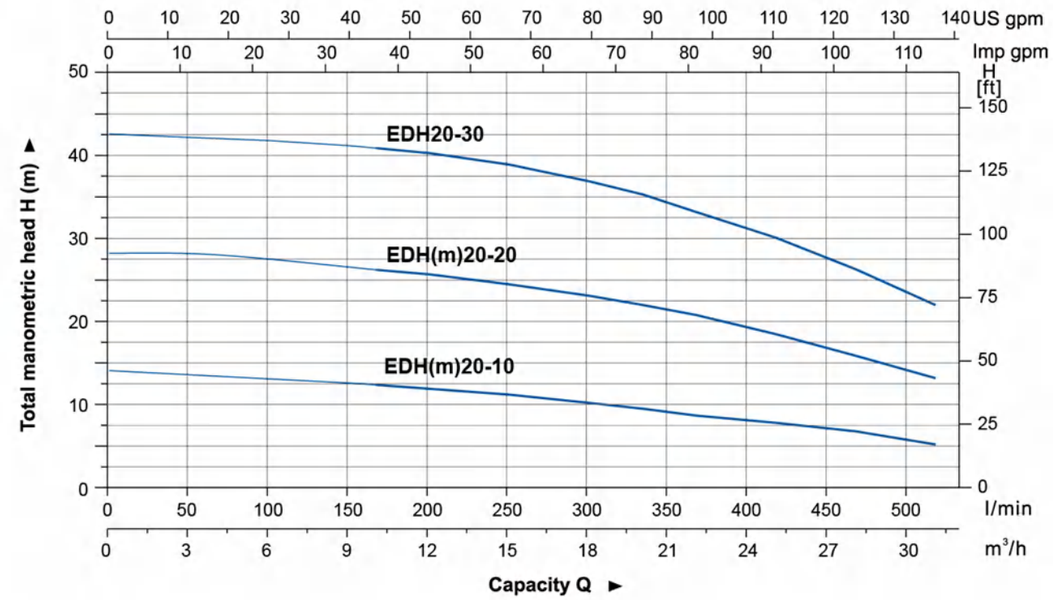
Dimension



Model	L	A	C	D	E	F	G	H	J	M	N
EDH(m)20-10	568	278	138	160	108	130	G2	245	120	Φ233	140
EDH(m)20-20	626	287	138	160	108	130	G2	248	120	Φ233	140
EDH20-30	642	278	190	220	170	200	G2	240	120	Φ233	140

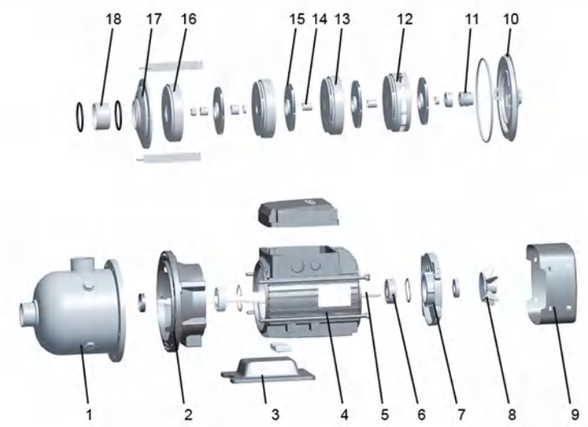
AQUASTRONG
Stainless Steel Horizontal Multistage Pumps

Hydraulic Performance Curves



Materials Table

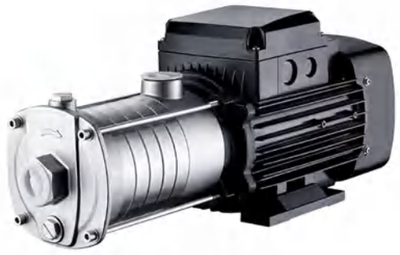
No.	Part	Material
1	Pump body	AISI 304
2	Support	ZL102
3	Bottom plate	Cast iron
4	Stator	
5	Rotor	
6	Bearing	
7	Rear cover	ZL102
8	Fan	PP
9	Fan cover	08F
10	Bracket cover	AISI 304
11	Mechanical seal	Sic/Carbon
12	Diffuser 3	AISI 304
13	Diffuser 2	AISI 304
14	Sleeve	AISI 304
15	Impeller	AISI 304
16	Diffuser 1	AISI 304
17	Pressure plate	AISI 304
18	Spacer bush	AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)20-10	20.5	610	265	317	540
EDH(m)20-20	28.8	660	265	317	480
EDH20-30	37.5	675	265	317	480

ECH



ECHS

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase moto
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

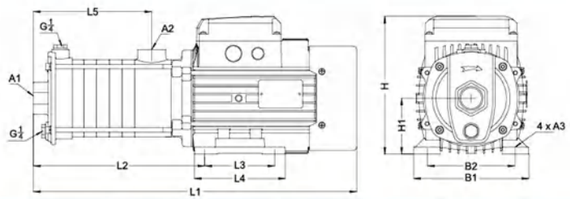
ECH (S) (m) 2- 30

- Impeller Stage x10
- Rated Flow (m^3/h)
- Single Phase (Three-phase without m)
- Stainless Steel Wetted Parts
- Stainless Steel Horizontal Multistage Pump

Technical Data

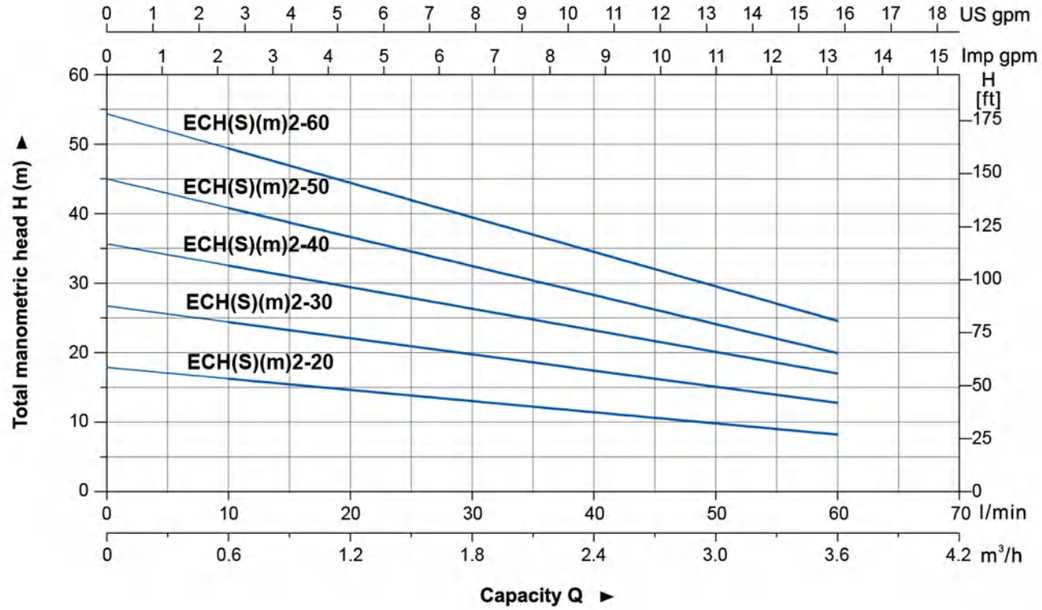
Model	Power		Q (m^3/h)	0.6	1.2	1.8	2.4	3.0	3.6
	kW	HP	Q (l/min)	10	20	30	40	50	60
ECH(S)(m)2-20	0.37	0.5	H (m)	16	15	13	12	10	8
ECH(S)(m)2-30	0.37	0.5		24	22	20	18	16	12
ECH(S)(m)2-40	0.55	0.75		33	30	26	24	21	16
ECH(S)(m)2-50	0.55	0.75		40	37	33	30	24	19
ECH(S)(m)2-60	0.75	1.0		50	45	40	36	30	23

Dimension



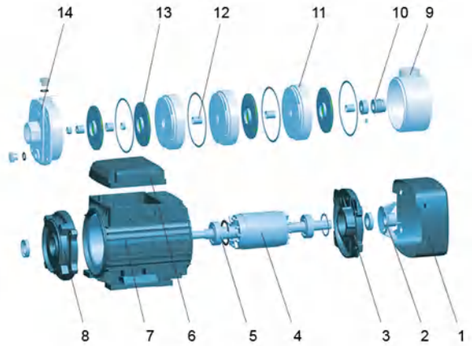
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(S)(m)2-20	344.5	165.5	90	110	98.5	137	109	176.5	71	G1	G1	Φ7
ECH(S)(m)2-30	362.5	183.5	90	110	116.5	137	109	176.5	71	G1	G1	Φ7
ECH(S)(m)2-40	380.5	201.5	90	100	134.5	137	109	176.5	71	G1	G1	Φ7
ECH(S)(m)2-50	399.5	220.5	90	110	153.5	137	109	176.5	71	G1	G1	Φ7
ECH(S)(m)2-60	417.5	238.5	90	110	171.5	137	109	176.5	71	G1	G1	Φ7

Hydraulic Performance Curves



Materials Table

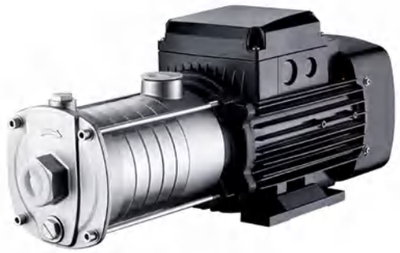
No.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron/AISI 304
10	Mechanical seal	Sic/Carbon
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron/AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(S)(m)2-20	11.5	420	215	243	1215
ECH(S)(m)2-30	11.8	420	215	243	1215
ECH(S)(m)2-40	13.2	420	215	243	1215
ECH(S)(m)2-50	13.7	455	215	243	1170
ECH(S)(m)2-60	14.6	455	215	243	1170

ECH



ECHS

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase moto
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

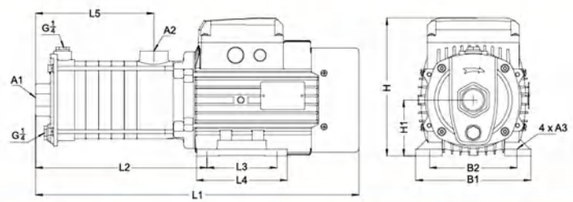
ECH (S) (m) 4- 30

- 30 — Impeller Stage x10
- 4 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase without m)
- (S) — Stainless Steel Wetted Parts
- ECH — Stainless Steel Horizontal Multistage Pump

Technical Data

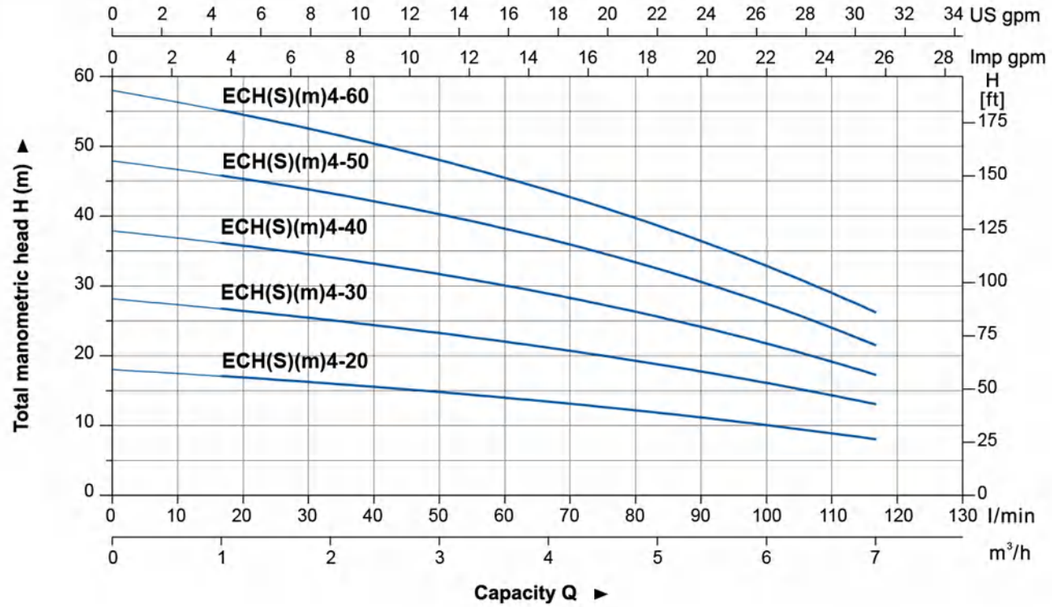
Model	Power		Q (m^3/h)	1	2	3	4	5	6	7
	kW	HP	Q (l/min)	17	33	50	67	83	100	117
ECH(S)(m)4-20	0.55	0.75	H (m)	17	16	15	13	12	10	8
ECH(S)(m)4-30	0.55	0.75		27	25	23	21	19	16	13
ECH(S)(m)4-40	0.75	1.0		36	34	32	28	26	22	17
ECH(S)(m)4-50	1.1	1.5		46	43	40	36	33	28	21
ECH(S)(m)4-60	1.1	1.5		55	52	48	43	39	33	26

Dimension



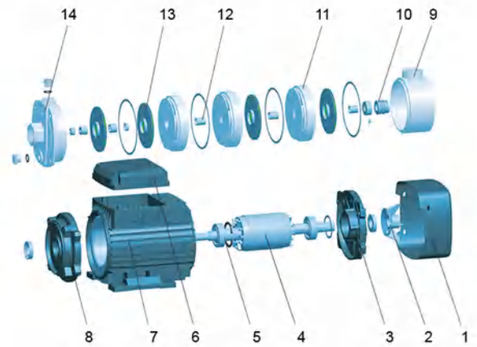
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(S)(m)4-20	354	175.5	90	110	108.5	137	109	176.5	71	G1¼	G1	Φ7
ECH(S)(m)4-30	381.5	203	90	110	136	137	109	176.5	71	G1¼	G1	Φ7
ECH(S)(m)4-40	408.5	230	90	110	163	137	109	176.5	71	G1¼	G1	Φ7
ECH(S)(m)4-50	484	266	100	130	190	165	125	204.5	80	G1¼	G1	Φ10
ECH(S)(m)4-60	511.5	293.5	100	130	217.5	165	125	204.5	80	G1¼	G1	Φ10

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron/AISI 304
10	Mechanical seal	Sic/Carbon
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron/AISI 304



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(S)(m)4-20	13.1	420	215	243	1215
ECH(S)(m)4-30	13.6	420	215	243	1215
ECH(S)(m)4-40	14.7	455	215	243	1170
ECH(S)(m)4-50	21.5	548	235	268	800
ECH(S)(m)4-60	22	548	235	268	800

ECH

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase moto
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

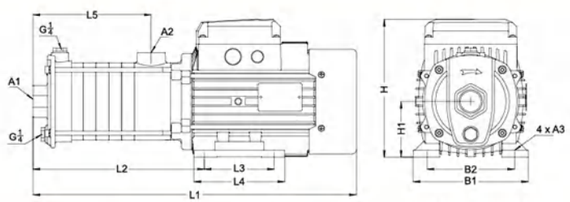
ECH (m) 10 - 30

- 30 — Impeller Stage x10
- 10 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase without m)
- ECH — Stainless Steel Horizontal Multistage Pump

Technical Data

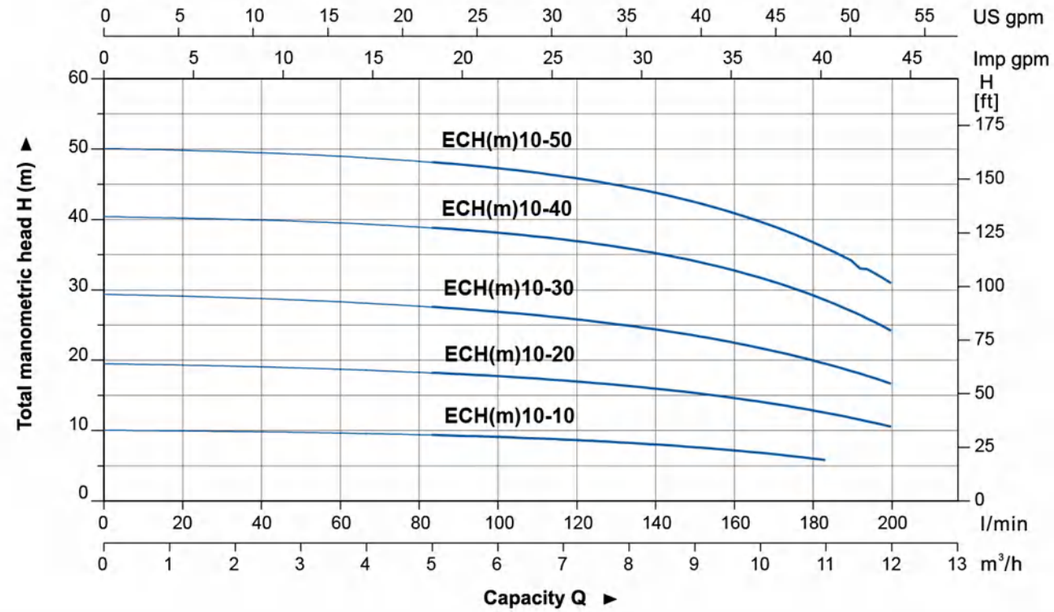
Model	Power		Q (m^3/h)	6	7	8	9	10	11	12
	kW	HP	Q (l/min)	100	117	133	150	167	183	200
ECH(m)10-10	0.75	1.0	H (m)	9.1	8.7	8.2	7.7	6.8	5.8	–
ECH(m)10-20				17.9	17.1	16.3	15.3	14.0	12.5	10.6
ECH(m)10-30	1.1	1.5		27.1	26.3	24.9	23.4	21.4	19.3	16.9
ECH(m)10-40	1.5	2.0		38.6	37.6	35.9	33.9	31.2	28.2	24.6
ECH(m)10-50	2.2	3.0		47.8	46.4	44.4	42.2	39.5	35.9	31.1

Dimension



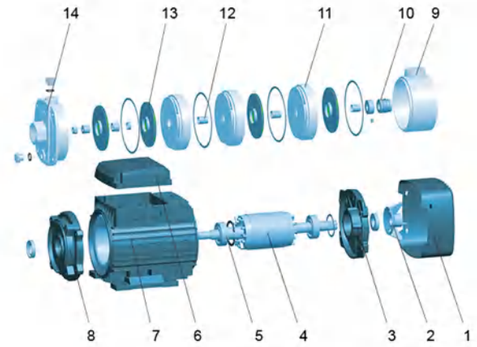
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)10-10	430	212	100	130	121	165	125	204.5	80	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH(m)10-20	430	212	100	130	121	165	125	204.5	80	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH(m)10-30	460.5	242.5	100	130	151.5	165	125	504.5	80	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH(m)10-40	549.5	261.5	125	150	182	180	140	217.5	90	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10
ECH(m)10-50	579.5	291.5	125	150	212	180	140	217.5	90	$G1\frac{1}{2}$	$G1\frac{1}{4}$	Φ10

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron
10	Mechanical seal	Sic/Carbon
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)10-10	20.7	503	235	268	856
ECH(m)10-20	20.8	503	235	268	856
ECH(m)10-30	21.9	503	235	268	856
ECH(m)10-40	28.2	618	245	283	653
ECH(m)10-50	30.6	618	245	283	653

ECH

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

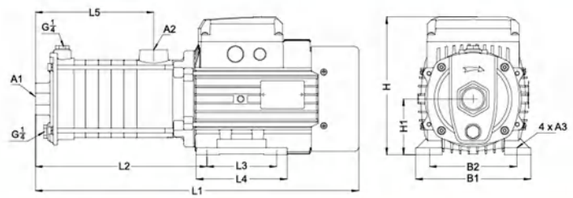
ECH (m) 15 - 20

- Impeller Stage x10
- Rated Flow (m^3/h)
- Single Phase (Three-phase without m)
- Stainless Steel Horizontal Multistage Pump

Technical Data

Model	Power		Q (m^3/h)	9	12	15	18	21
	kW	HP	Q (l/min)	150	200	250	300	350
ECH(m)15-10	1.1	1.5	H (m)	12.4	11.6	10.6	9.4	8.2
ECH(m)15-20	2.2	3		25.6	24.1	22.7	21.1	18.8
ECH15-30	3.0	4		38.7	36.9	34.9	31.9	28.5
ECH15-40	4.0	5.5		51.8	49.7	46.8	42.9	38.3

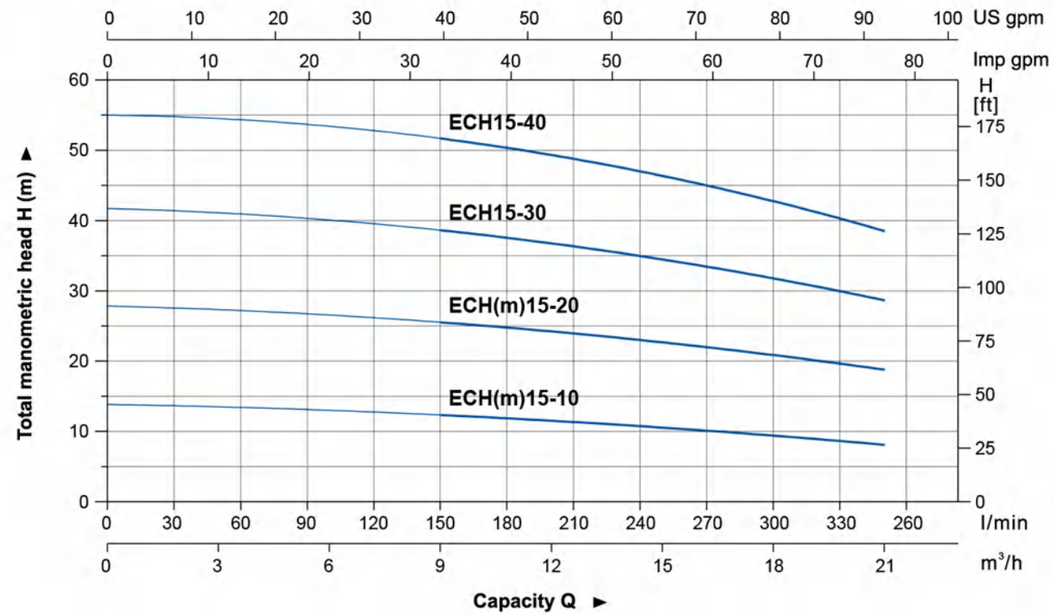
Dimension



Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)15-10	451	233.5	100	130	139.5	165	125	204.5	80	G2	G2	Φ10
ECH(m)15-20	510	222	125	150	139.5	180	140	217.5	90	G2	G2	Φ10
ECH15-30	560	272	125	150	189.5	180	140	247.5	90	G2	G2	Φ10
ECH15-40	616	336.5	140	180	230	205	160	224.5	100	G2	G2	Φ12

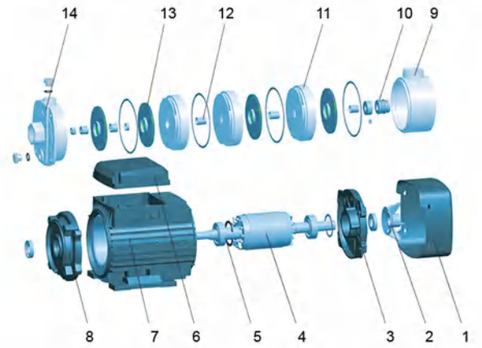
AQUASTRONG
Stainless Steel Horizontal Multistage Pumps

Hydraulic Performance Curves



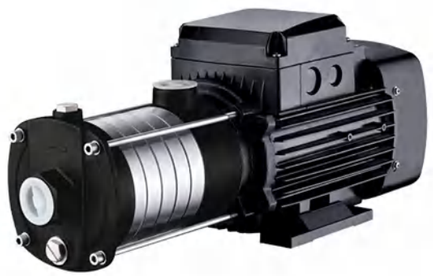
Materials Table

No.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron
10	Mechanical seal	Sic/Carbon
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)15-10	22.7	503	235	268	856
ECH(m)15-20	30.3	557	245	283	659
ECH15-30	32.2	618	245	283	620
ECH15-40	39.6	687	245	290	504



ECH

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

- AISI 304 shaft
- Max. liquid temperature: +85℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure

Motor

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max. ambient temperature: +40℃

Identification Codes

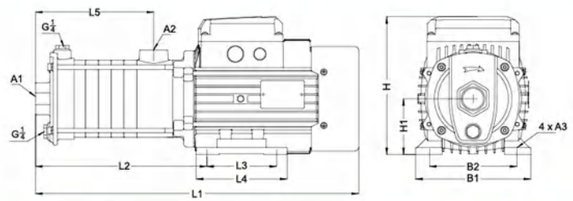
ECH (m) 20 - 20

- Impeller Stage x10
- Rated Flow (m^3/h)
- Single Phase (Three-phase without m)
- Stainless Steel Horizontal Multistage Pump

Technical Data

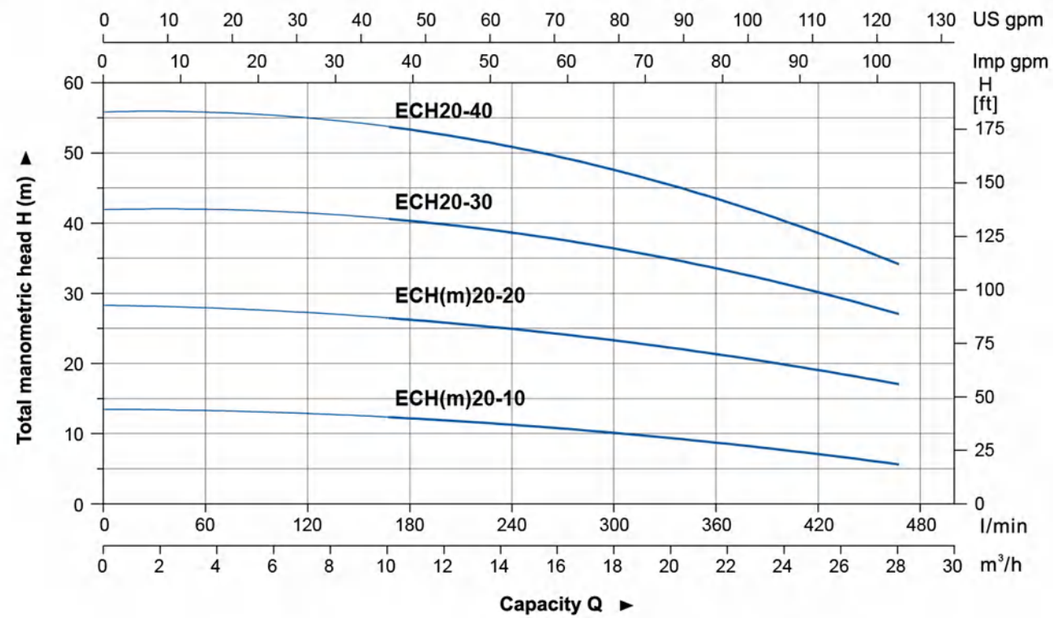
Model	Power		Q (m^3/h)	12	16	20	24	28
	kW	HP	Q (l/min)	200	267	333	400	467
ECH(m)20-10	1.1	1.5	H (m)	12.1	10.8	9.5	7.8	5.7
ECH(m)20-20	2.2	3		26.1	24.4	22.4	19.8	17.2
ECH20-30	4.0	5.5		39.9	38.0	35.5	31.4	26.9
ECH20-40				52.7	50.1	45.9	40.3	34.0

Dimension



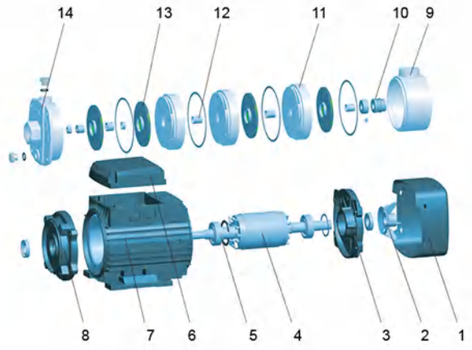
Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
ECH(m)20-10	451	233.5	100	130	139.5	165	125	204.5	80	G2	G2	Φ10
ECH(m)20-20	510	222	125	150	139.5	180	140	217.5	90	G2	G2	Φ10
ECH20-30	570.5	291	140	180	184.5	205	160	224.5	100	G2	G2	Φ12
ECH20-40	616	336.5	140	180	230	205	160	224.5	100	G2	G2	Φ12

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	ZL 102
4	Rotor	
5	Bearing	
6	Terminal box	ZL 102
7	Stator	
8	Front cover	Cast iron
9	Outlet body	Cast iron
10	Mechanical seal	Sic/Carbon
11	Diffuser	AISI 304
12	Sleeve	AISI 304
13	Impeller	AISI 304
14	Pump body	Cast iron



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
ECH(m)20-10	22.7	503	235	268	856
ECH(m)20-20	30.3	557	245	283	659
ECH20-30	38.9	687	245	290	513
ECH20-40	39.4	687	245	290	504

EST

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 210 m^3/h
- Head: up to 100 m
- Liquid temperature:
  Standard: -10℃ to 85℃ Upon request: -20℃ to 120℃
- 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 CEI 2–3 (IEC 34.1)
- Max. ambient temperature: +40℃

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, control valve and motor can be extracted without disconnecting the pump body from the pipes)

Accessories on request

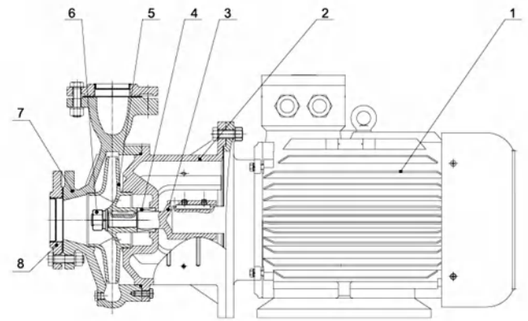
- Galvanised iron threaded counter flanges
- Flanged tapered coupling
- Pump and motor sealing gasket

EST m 32 – 125 K / 11

- Rated Power (1/10 kW)
- Extented Model
- Impeller Nominal Diameter (mm)
- Outlet Diameter (mm)
- Single Phase (m is omitted for three-phase)
- Standard Centrifugal Pump

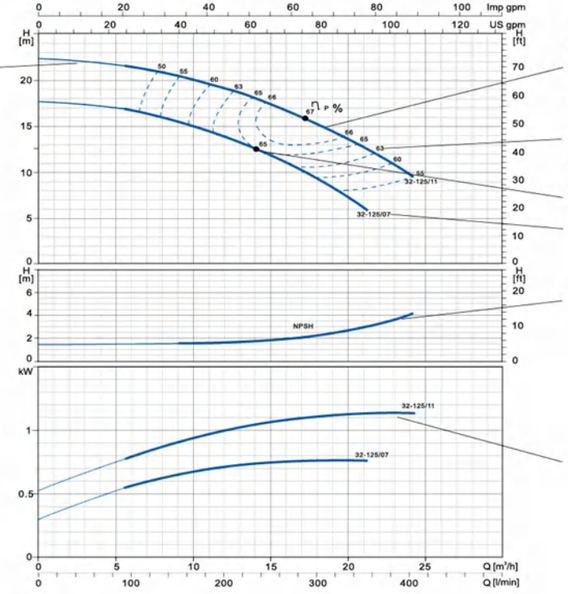
Materials Table

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℃ and kinematic viscosity of $1mm^2/s$.
To avoid overheating of the motor, the pump should not be use against a high head for a long time.

Technical Data

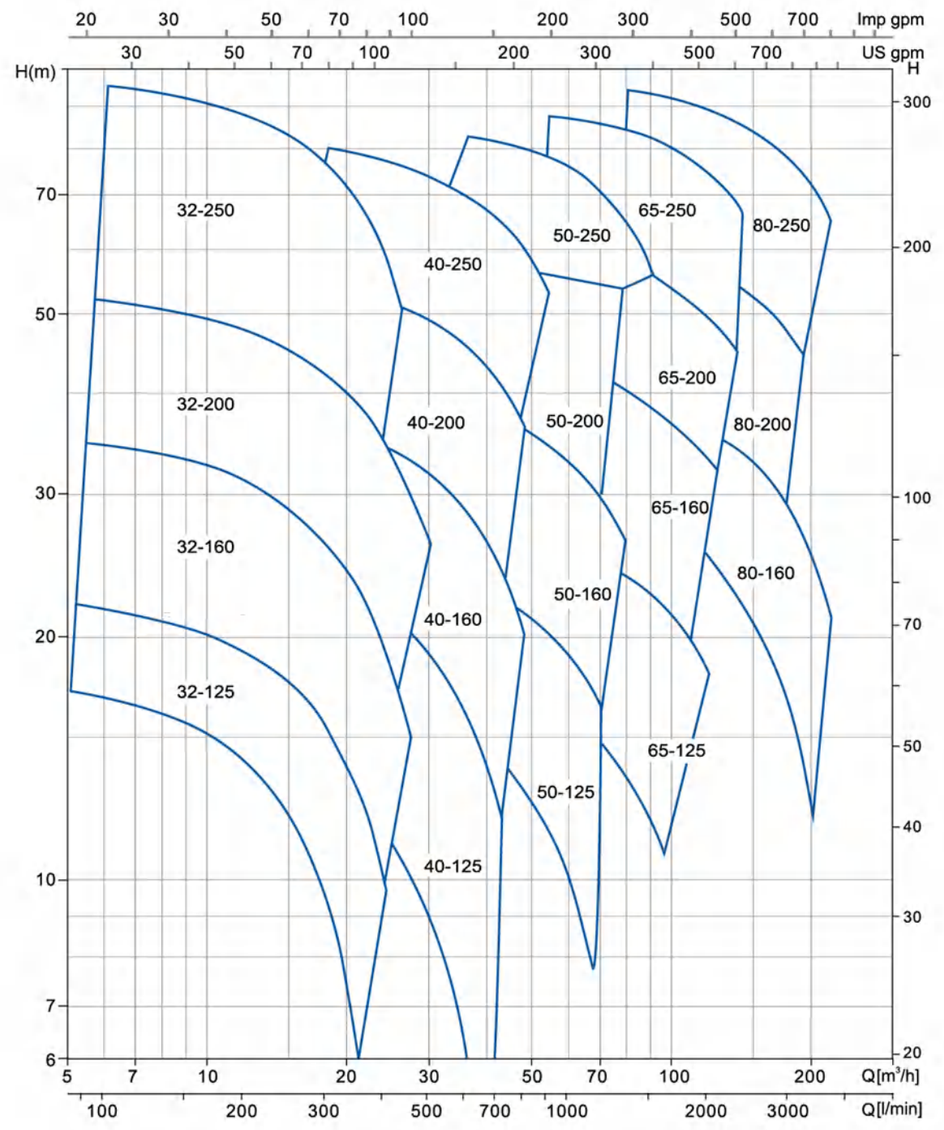
PUMP TYPE	POWER		l/min	Q=DELIVERY																		
	kW	HP	m^3/h	0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500
				0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210
32-125/7*	0.75	1		17.5	16.7	15	12	9														
32-125/11*	1.1	1.5		22	21	20.2	17	15	9													
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	H (m)	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		
65-25 0/220	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

*=Stainless steel impeller

AQUASTRONG
Standard Centrifugal Pumps

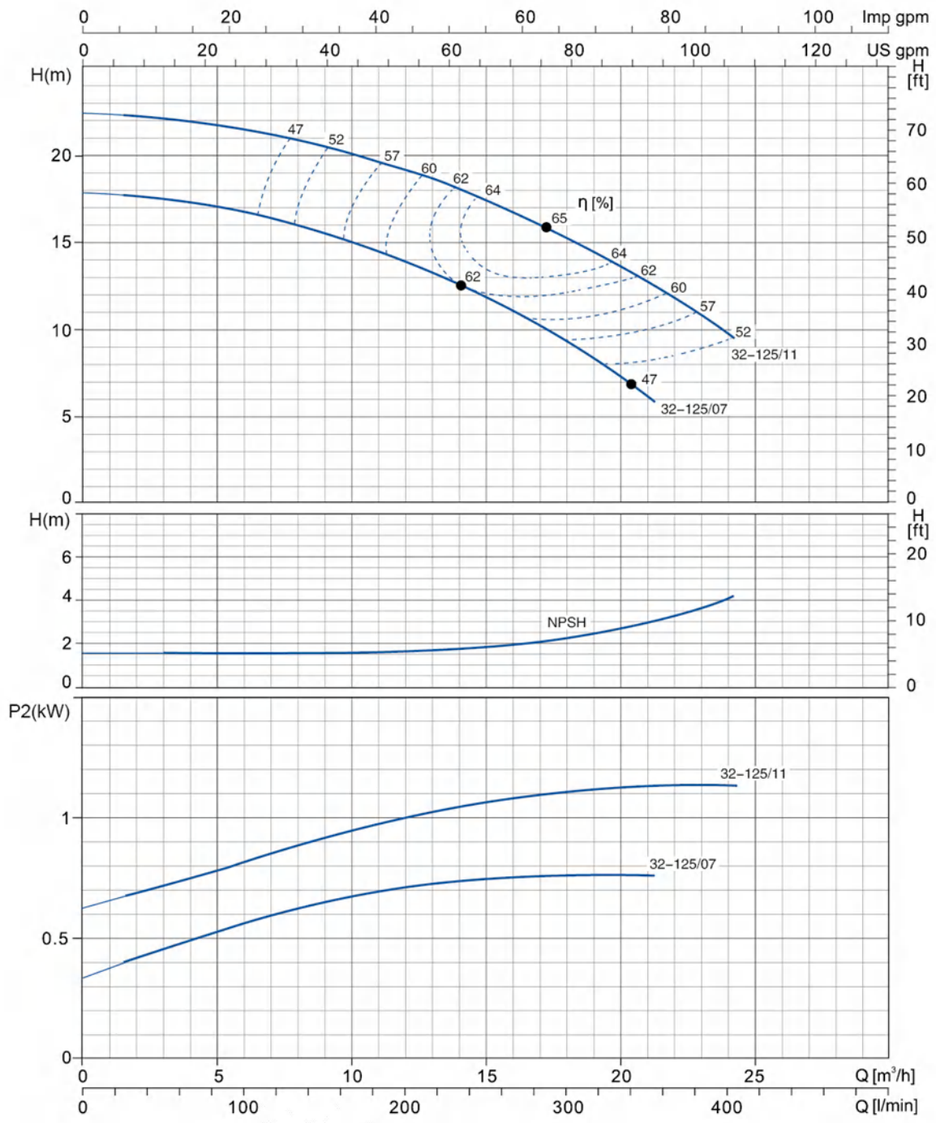
Characteristic Curves

EST	~2900 rpm	ISO 9906 Annex A



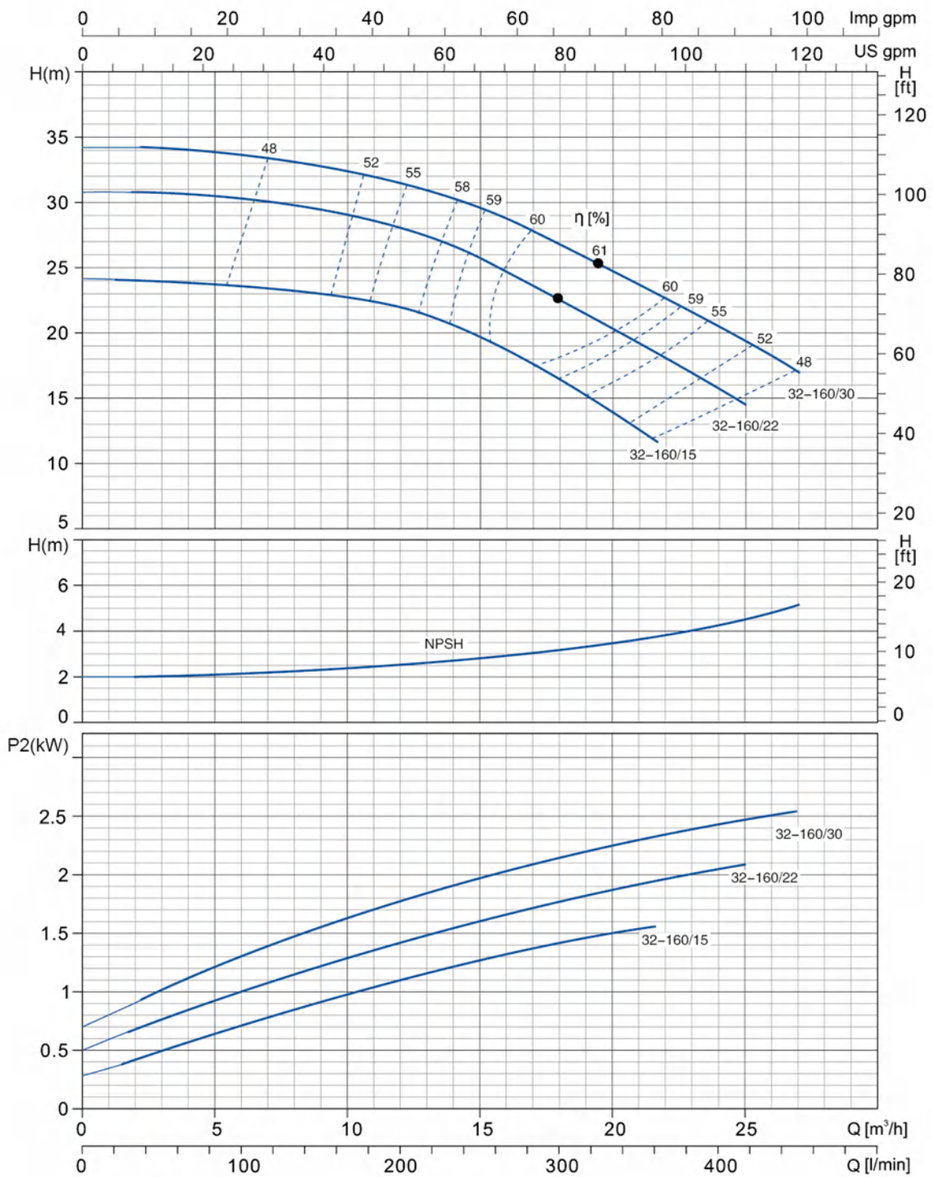
Hydraulic Performance Curves

EST 32-125	~2900 rpm	ISO 9906 Annex A



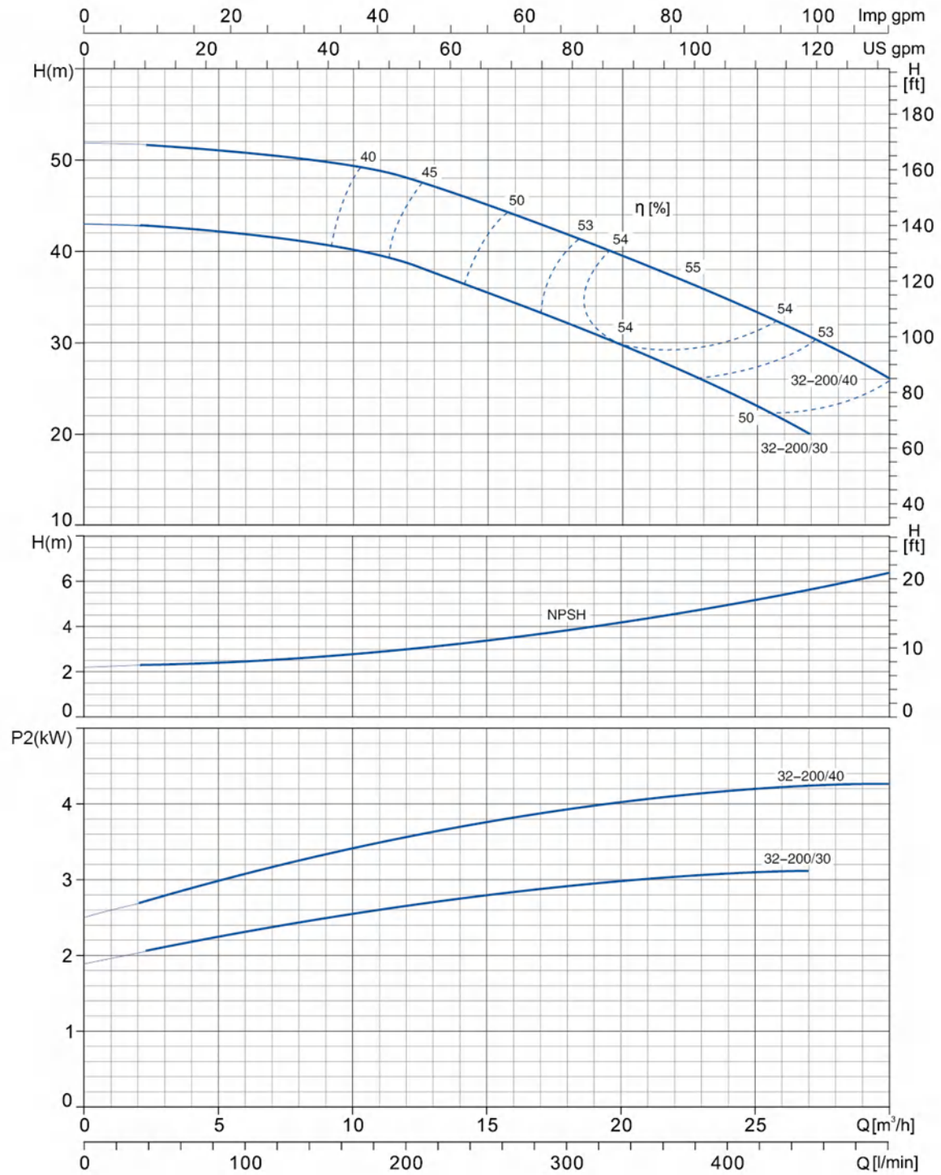
Hydraulic Performance Curves

EST 32-160	~2900 rpm	ISO 9906 Annex A



Hydraulic Performance Curves

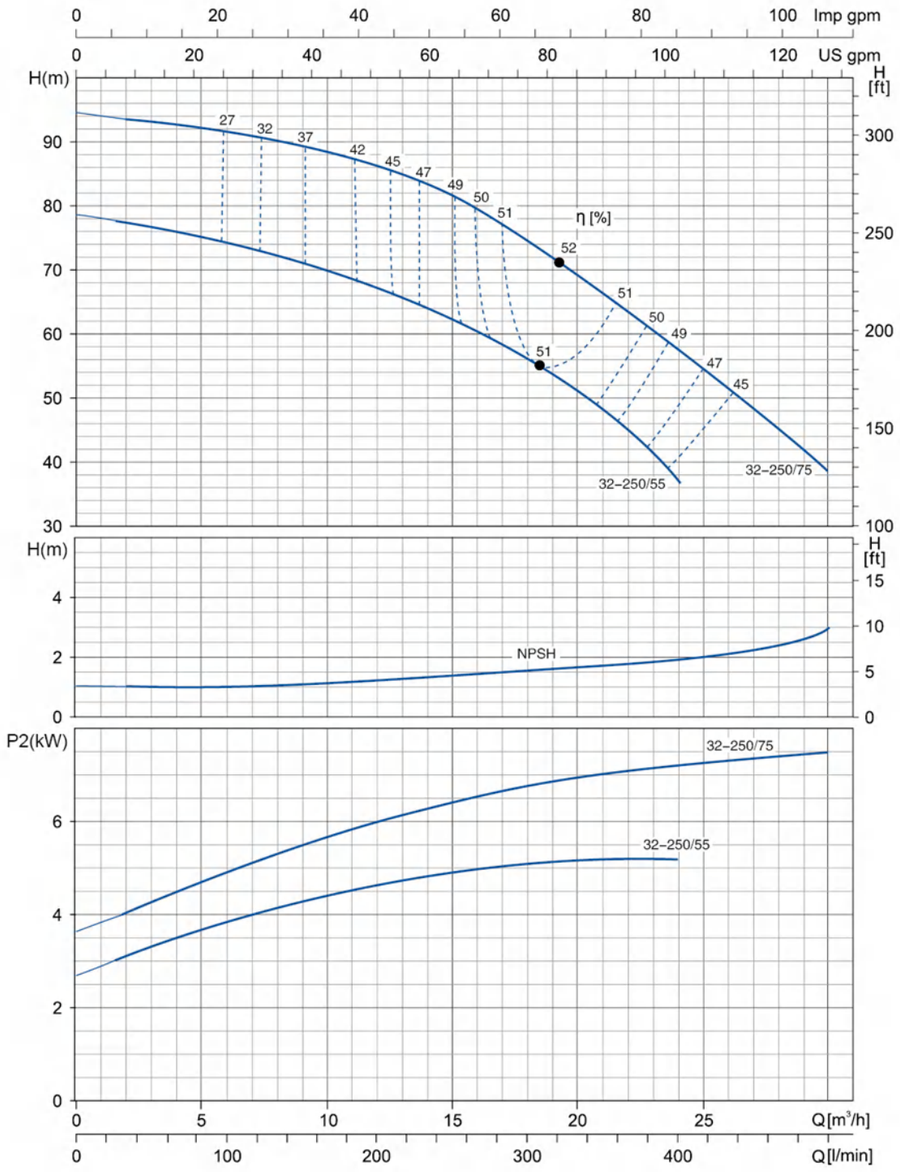
EST 32-200	~2900 rpm	ISO 9906 Annex A



AQUASTRONG
Standard Centrifugal Pumps

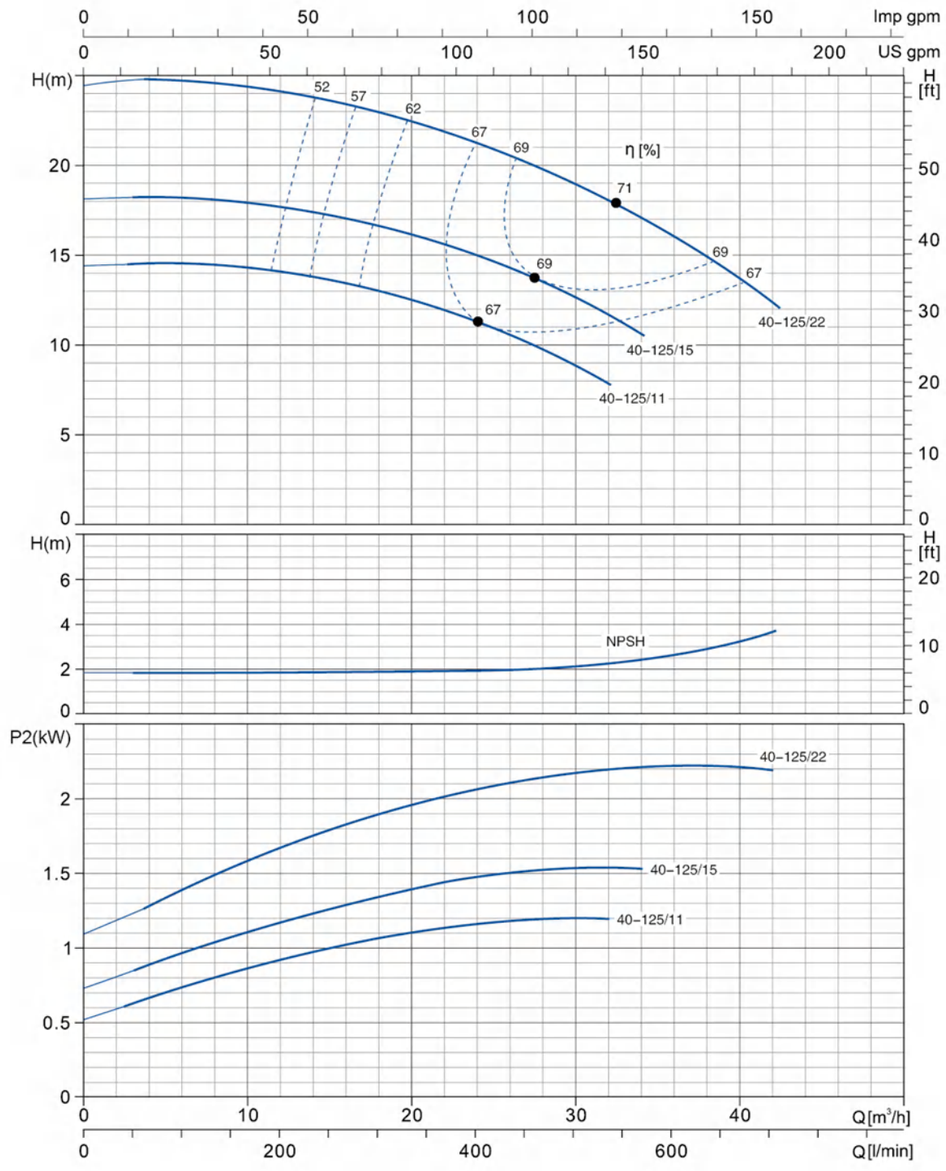
Hydraulic Performance Curves

EST 32-250	~2900 rpm	ISO 9906 Annex A



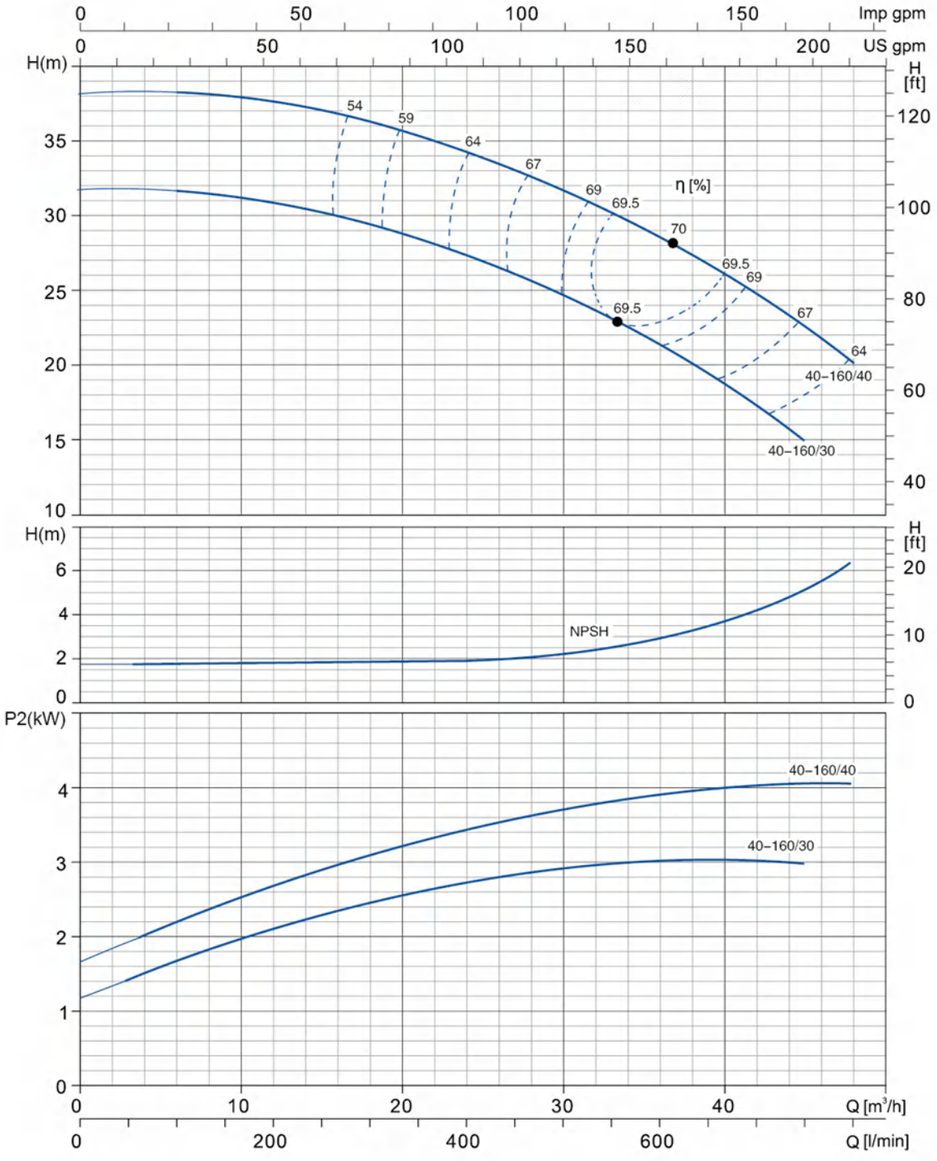
Hydraulic Performance Curves

EST 40-125	~2900 rpm	ISO 9906 Annex A



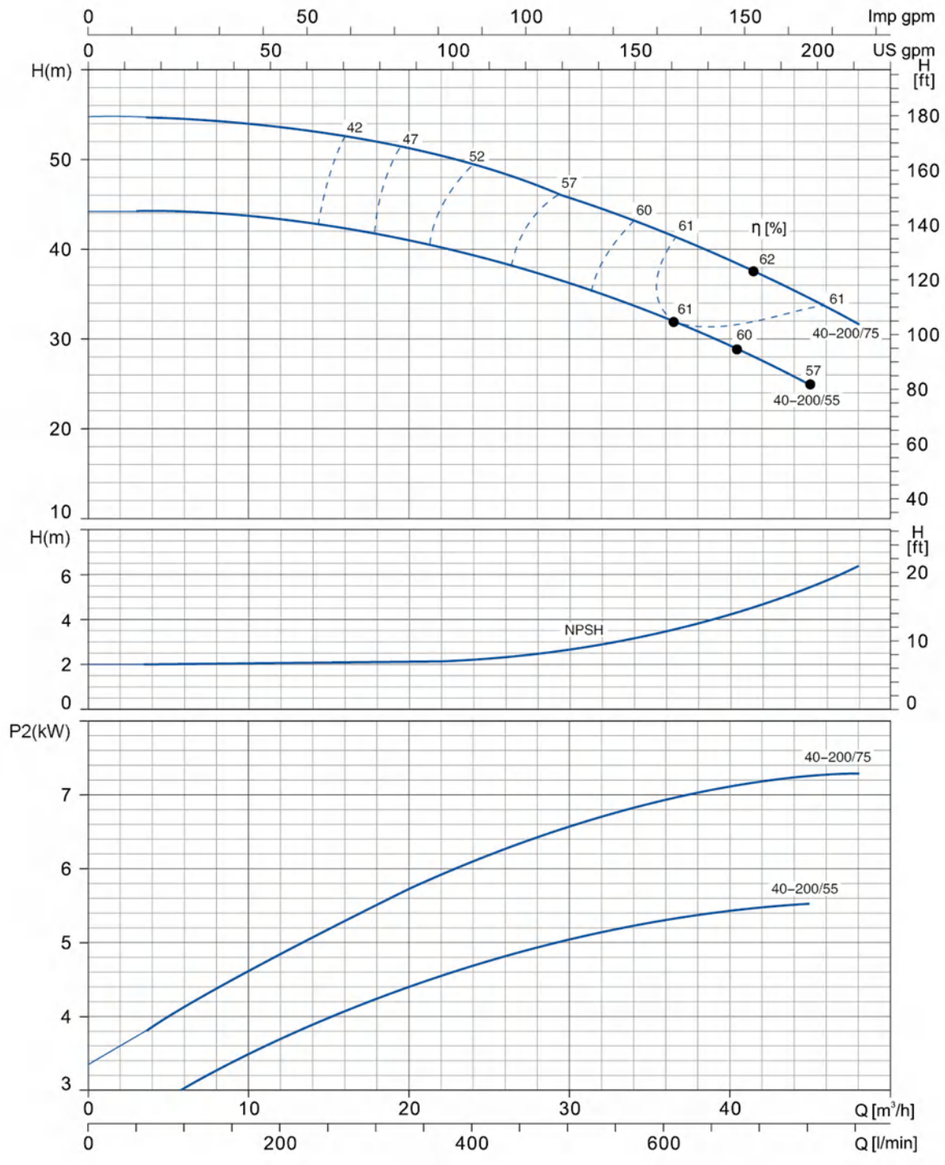
Hydraulic Performance Curves

EST 40-160	~2900 rpm	ISO 9906 Annex A



Hydraulic Performance Curves

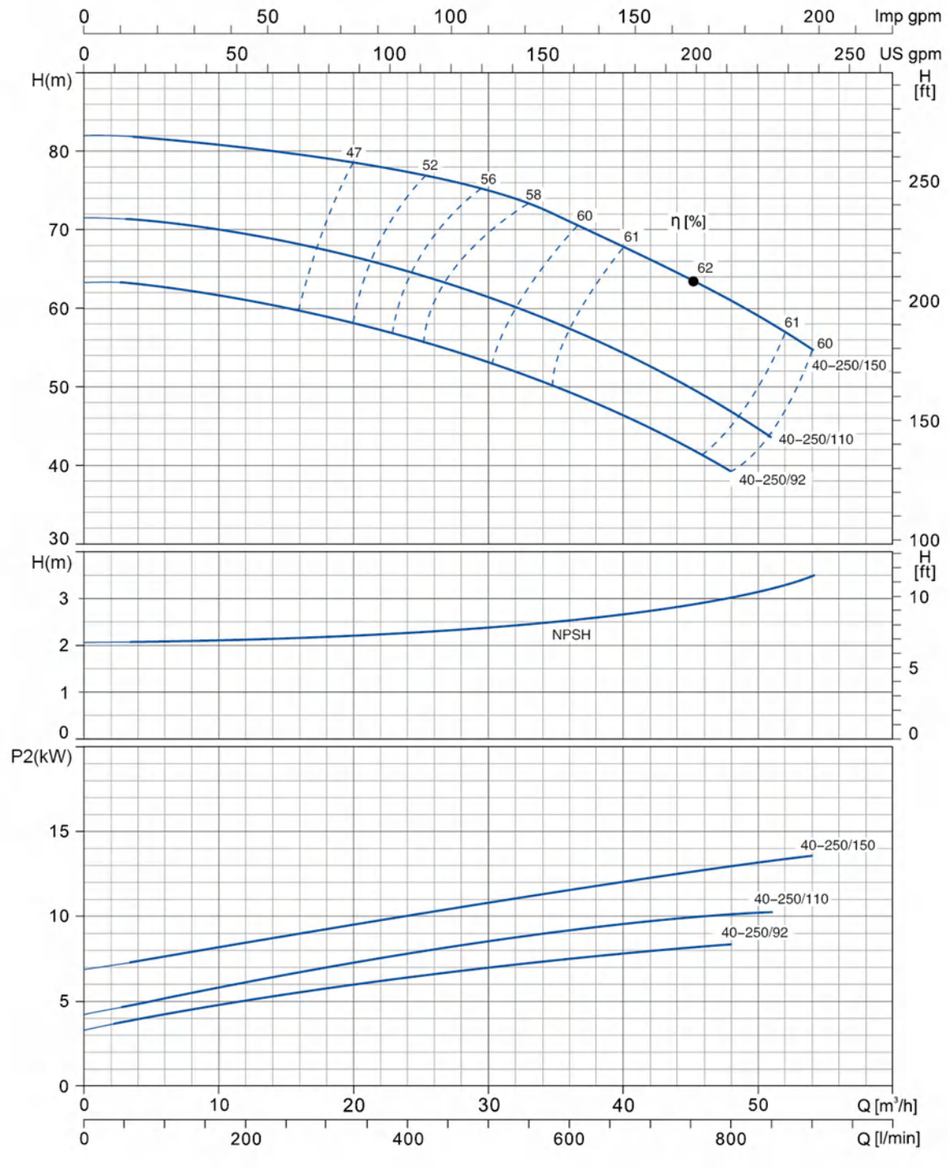
EST 40-200	~2900 rpm	ISO 9906 Annex A



AQUASTRONG
Standard Centrifugal Pumps

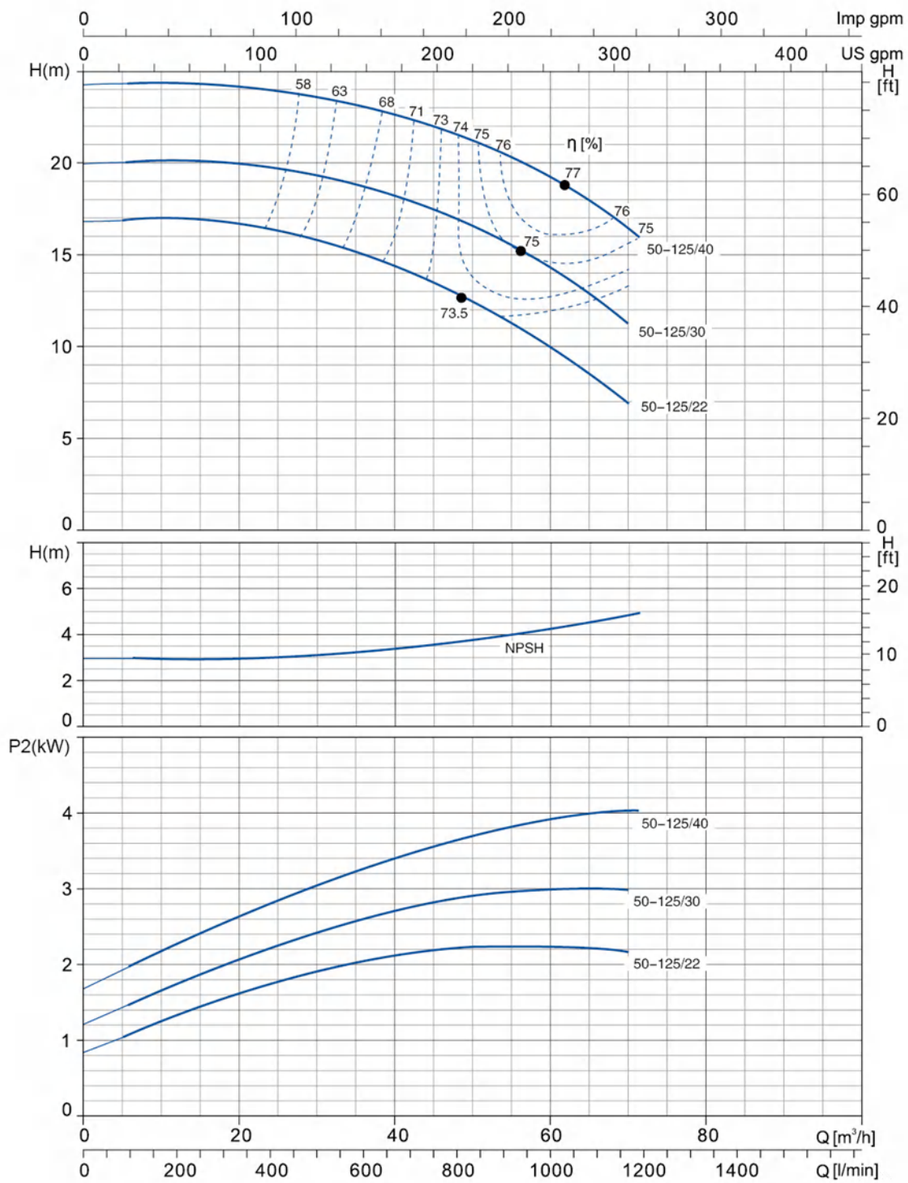
Hydraulic Performance Curves

EST 40-250	~2900 rpm	ISO 9906 Annex A



Hydraulic Performance Curves

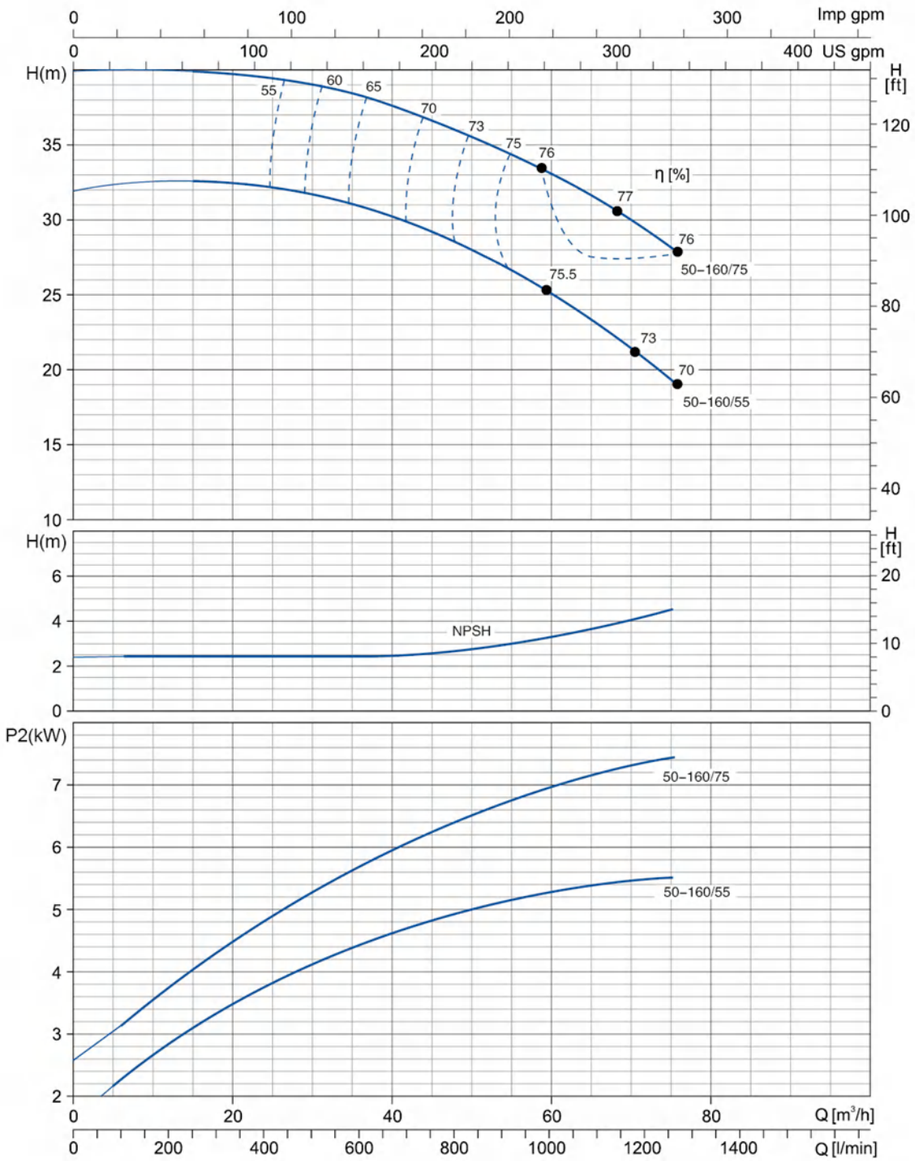
EST 50-125	~2900 rpm	ISO 9906 Annex A



AQUASTRONG
Standard Centrifugal Pumps

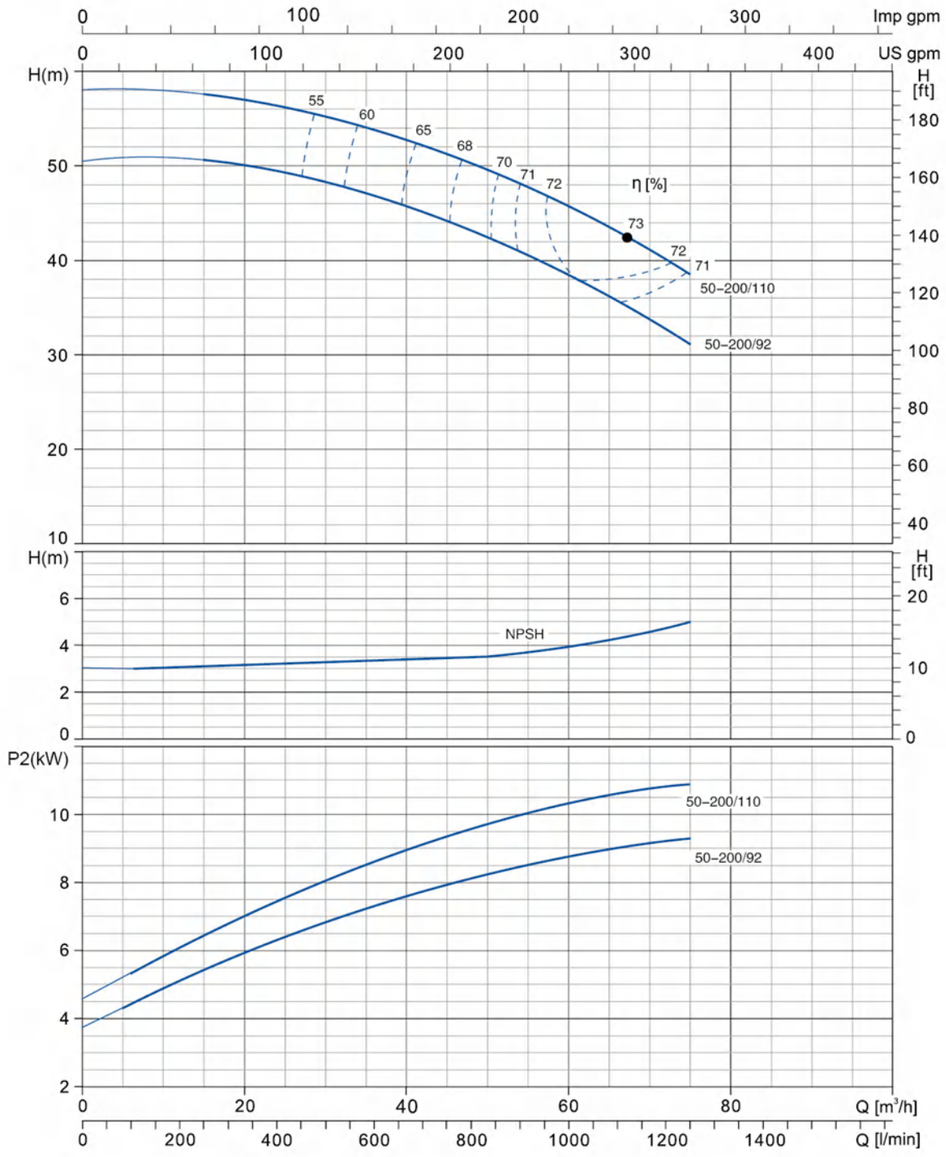
Hydraulic Performance Curves

EST 50-160	~2900 rpm	ISO 9906 Annex A



Hydraulic Performance Curves

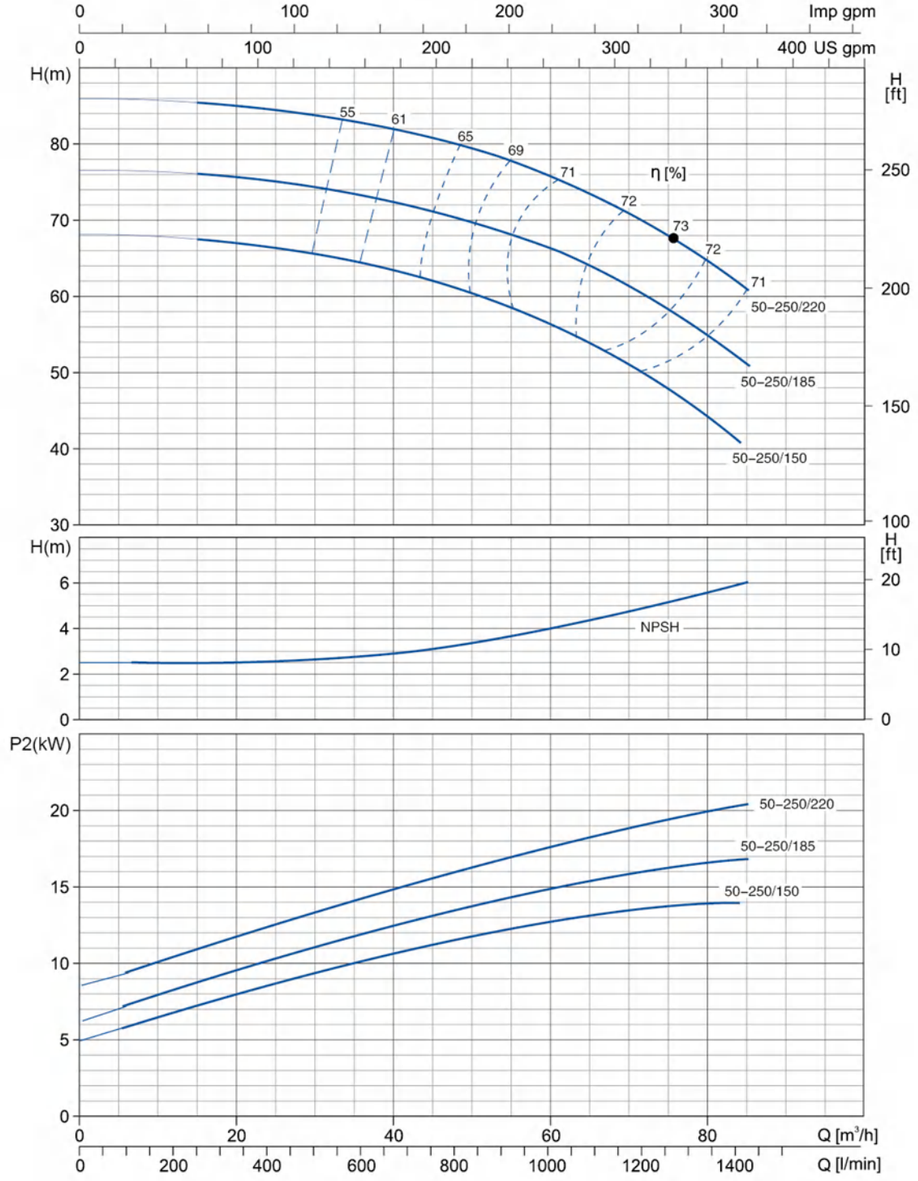
EST 50-200	~2900 rpm	ISO 9906 Annex A



AQUASTRONG
Standard Centrifugal Pumps

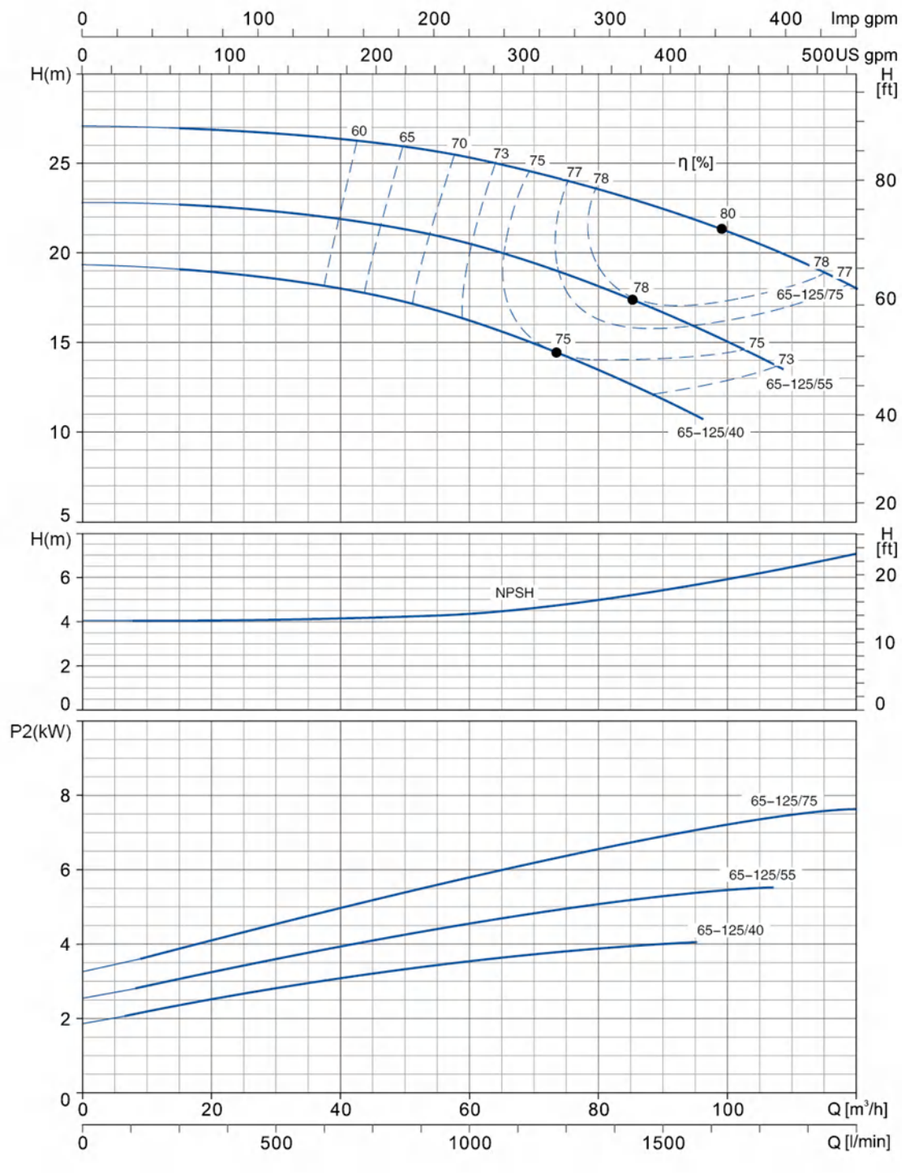
Hydraulic Performance Curves

EST 50-250	~2900 rpm	ISO 9906 Annex A



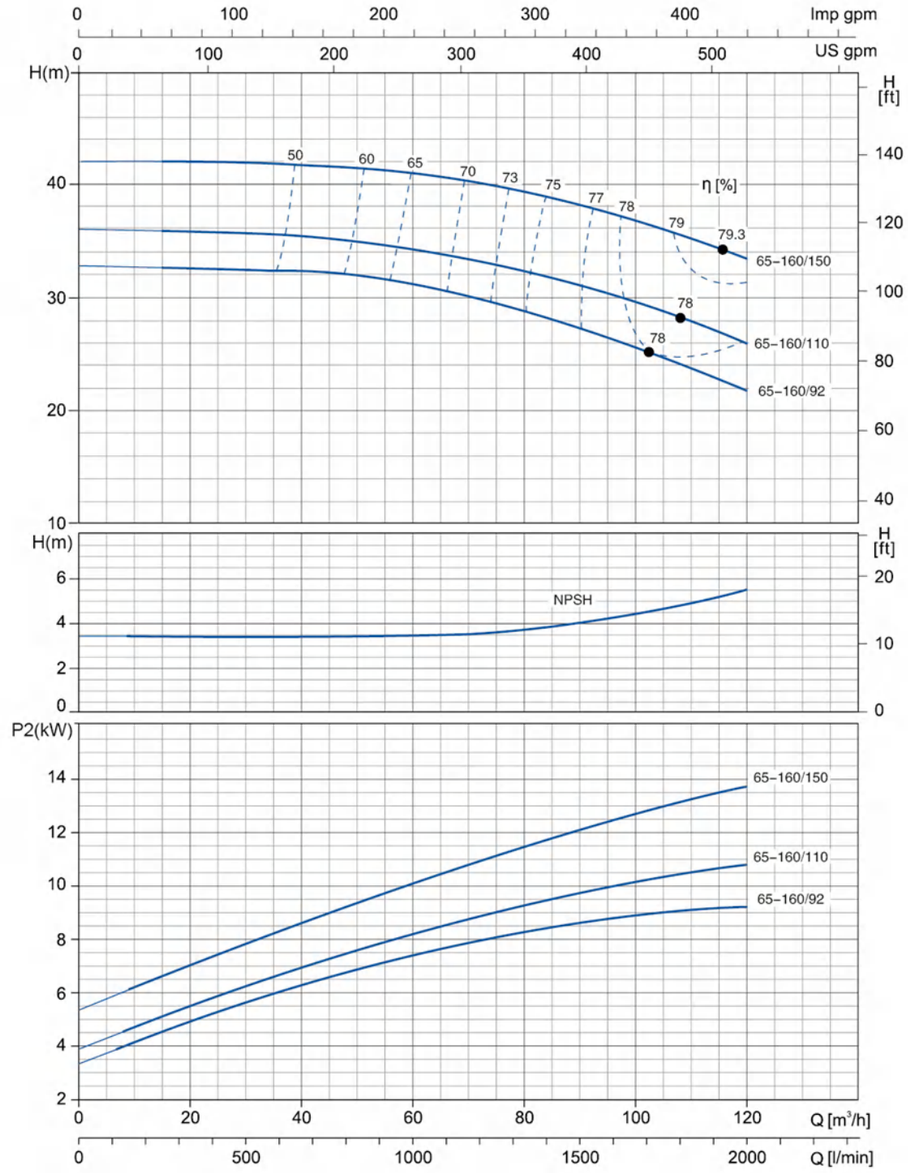
Hydraulic Performance Curves

EST 65-125	~2900 rpm	ISO 9906 Annex A



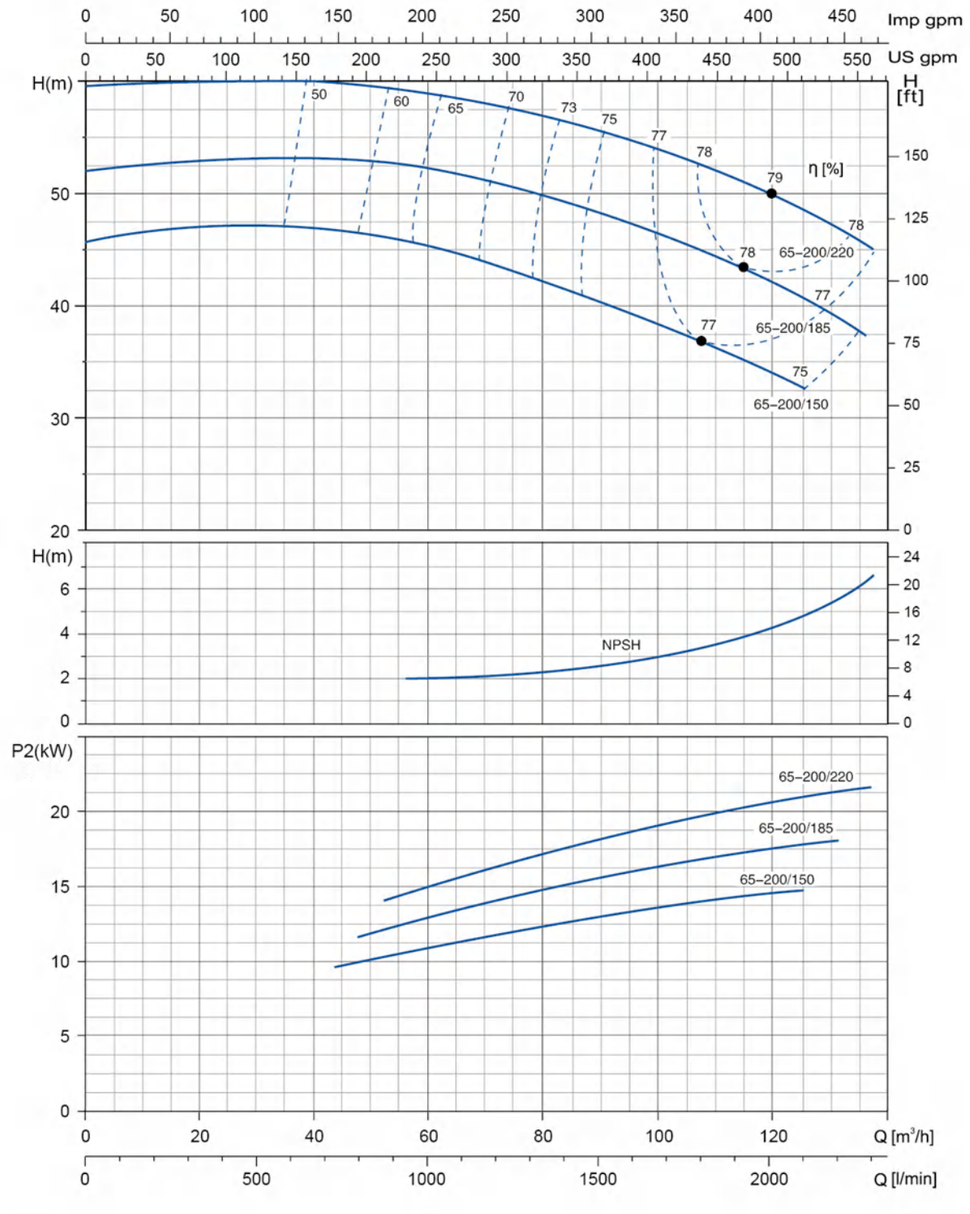
Hydraulic Performance Curves

EST 65-160	~2900 rpm	ISO 9906 Annex A



Hydraulic Performance Curves

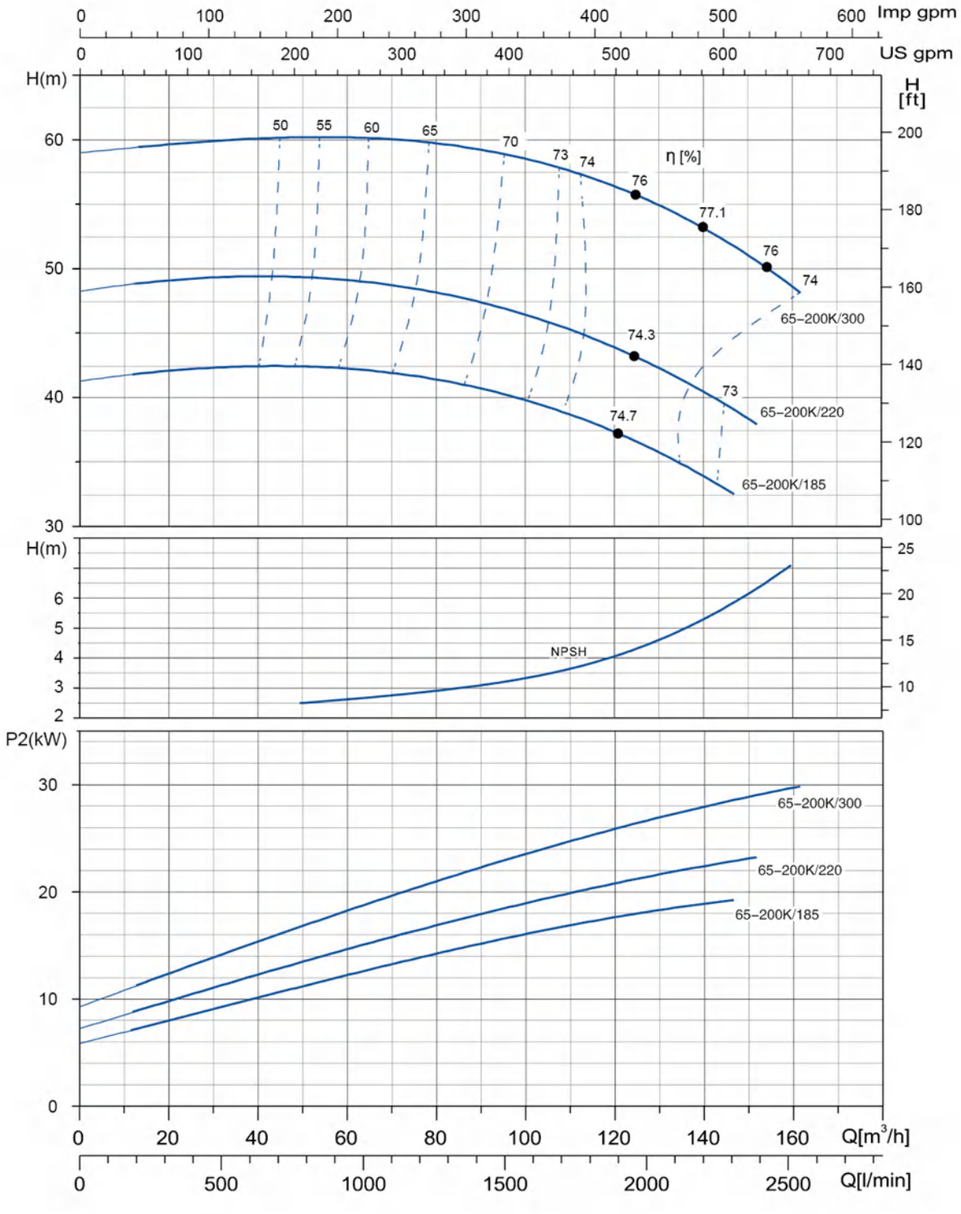
EST 65-200	~2900 rpm	ISO 9906 Annex A



AQUASTRONG
Standard Centrifugal Pumps

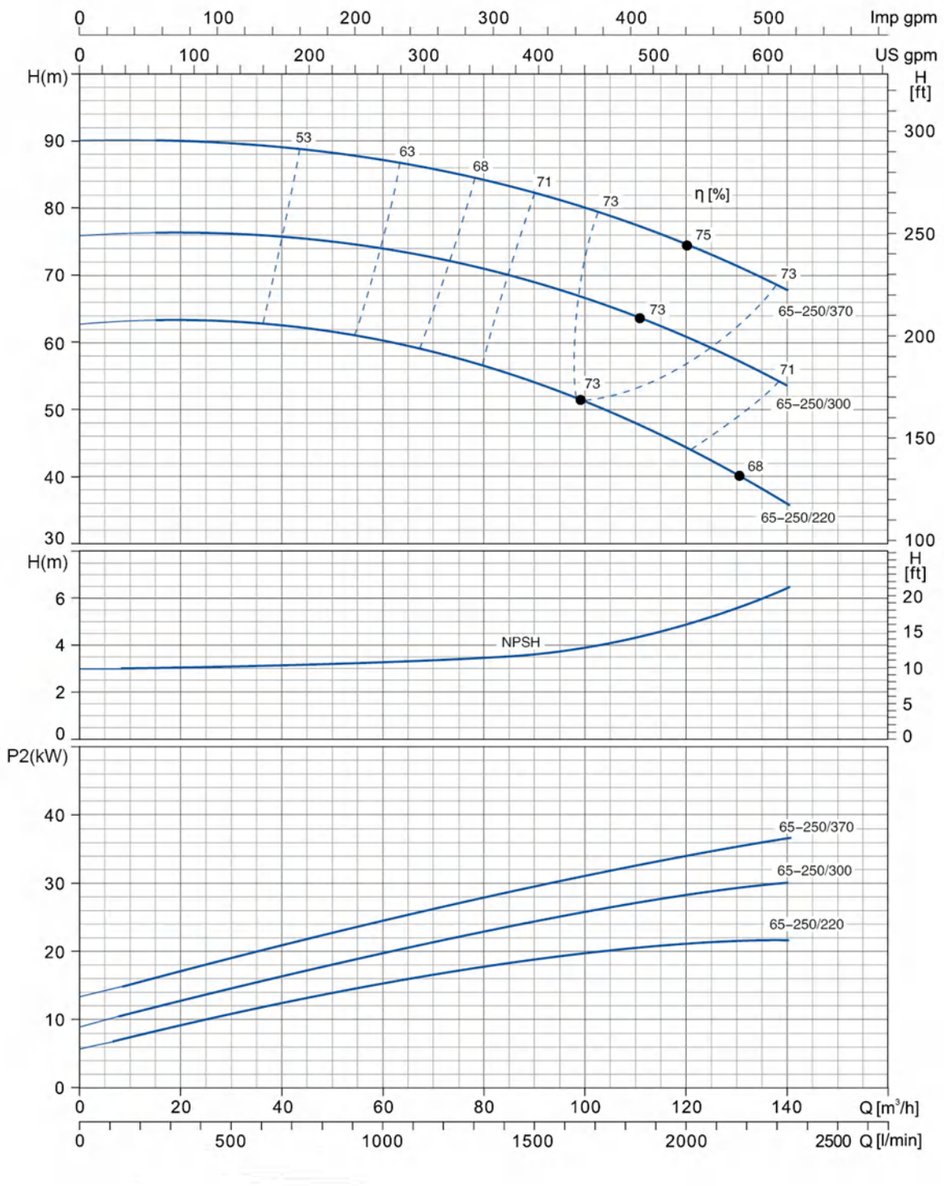
Hydraulic Performance Curves

EST 65-200K	~2900 rpm	ISO 9906 Annex A



Hydraulic Performance Curves

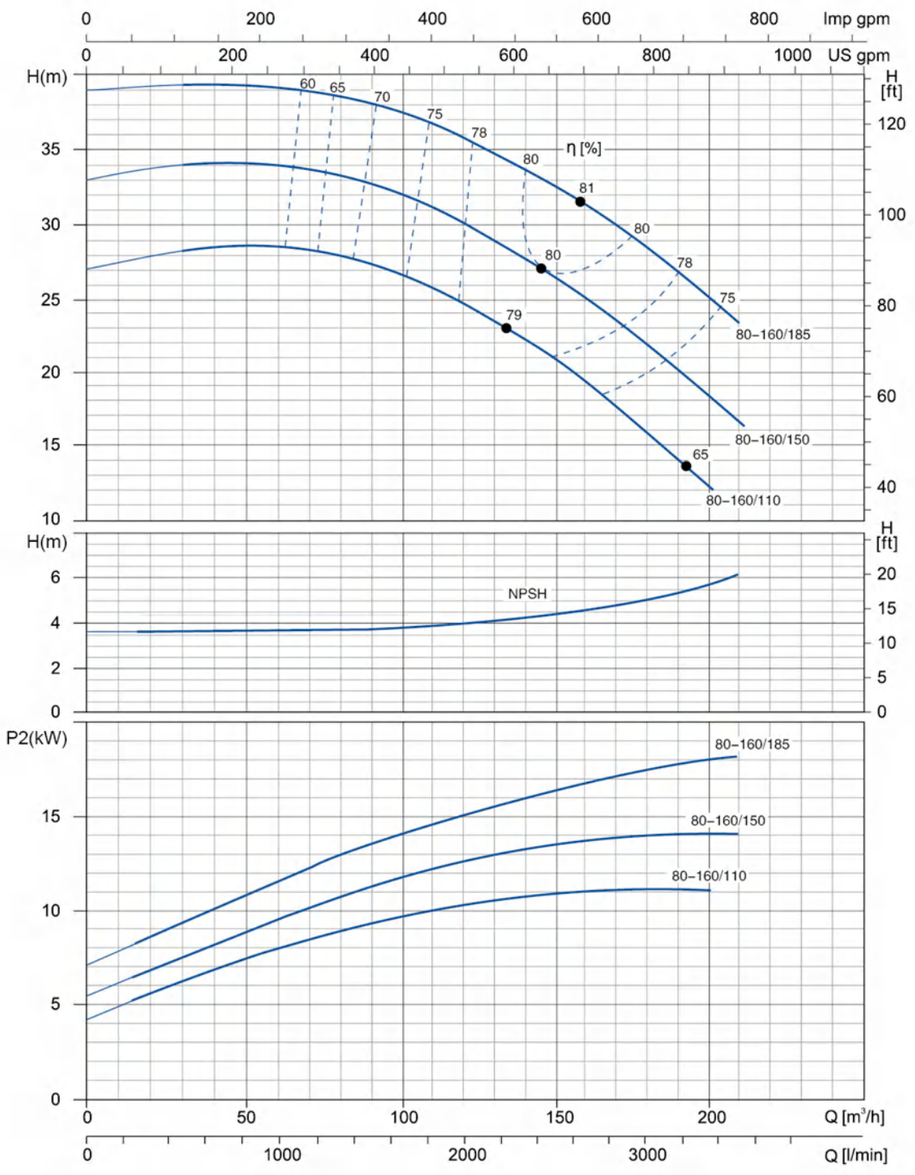
EST 65-250	~2900 rpm	ISO 9906 Annex A



AQUASTRONG
Standard Centrifugal Pumps

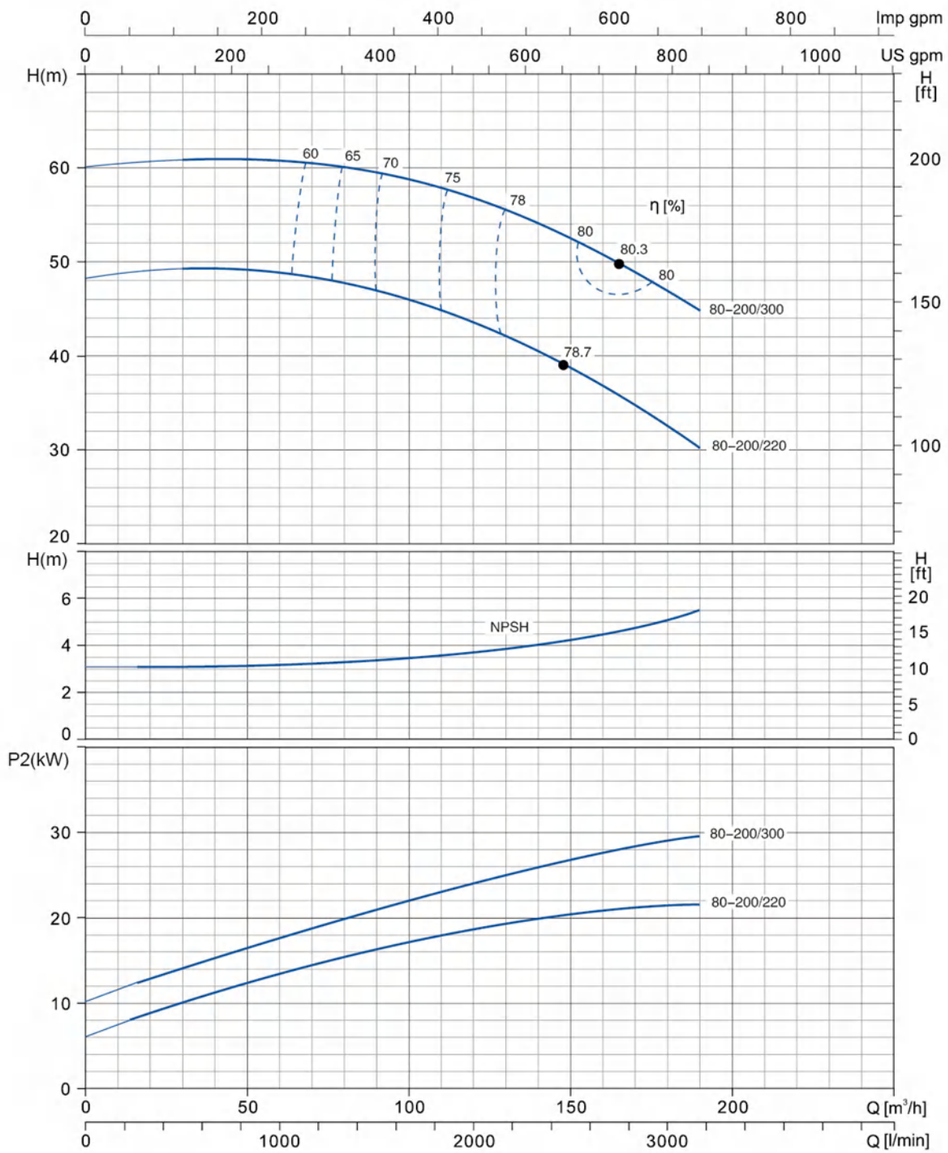
Hydraulic Performance Curves

EST 80-160	~2900 rpm	ISO 9906 Annex A



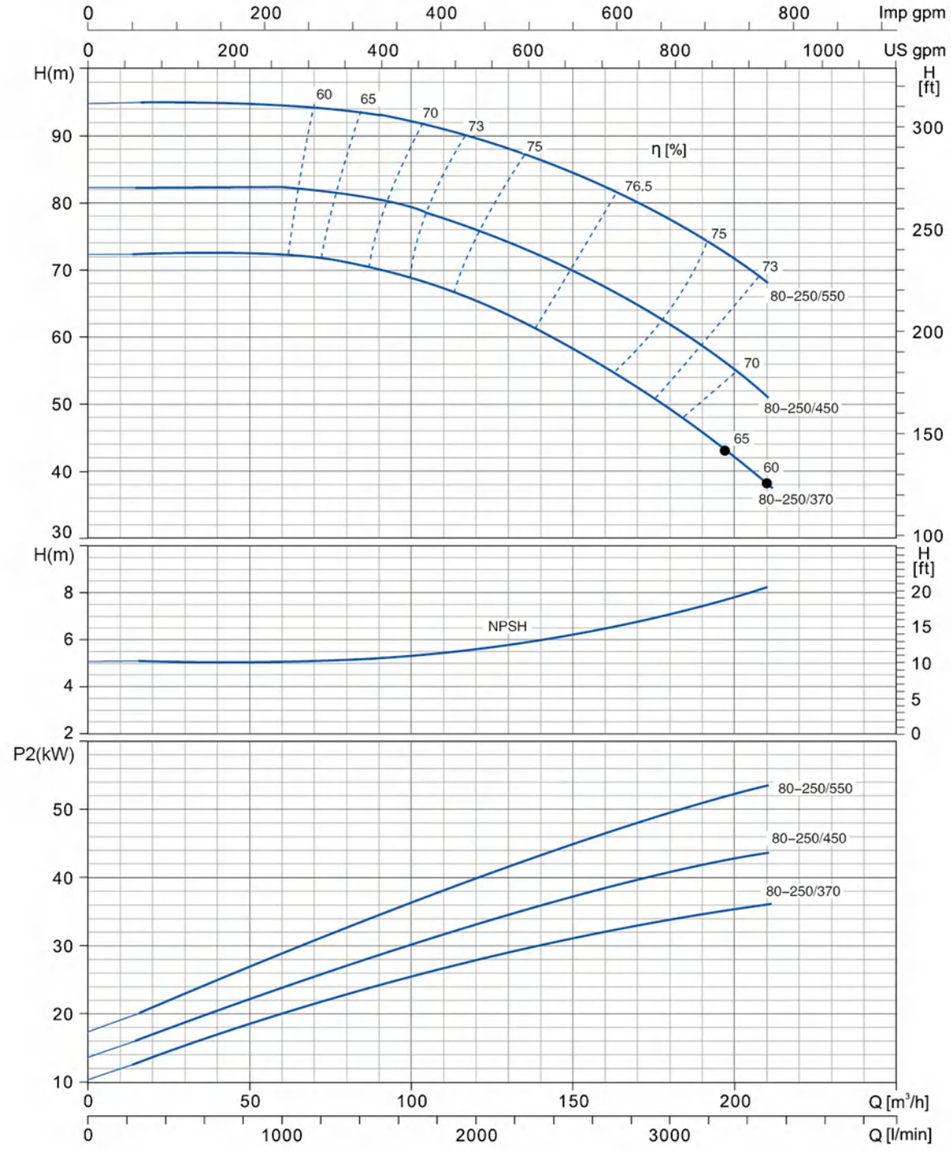
Hydraulic Performance Curves

EST 80-200	~2900 rpm	ISO 9906 Annex A

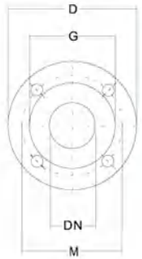


Hydraulic Performance Curves

EST 80-250	~2900 rpm	ISO 9906 Annex A

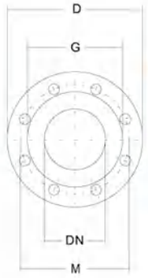


Flange Dimensions



PN16 FLANGES

DN	D	M	G	HOLES N°	HOLES ∅	MAX. THICKNESS
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

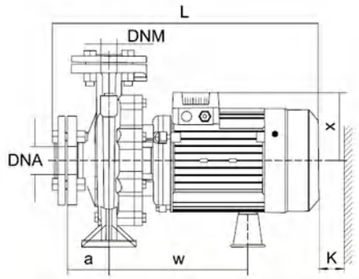


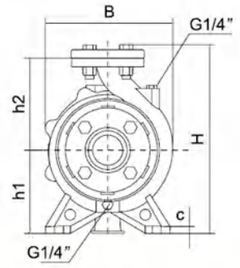
PN16 FLANGES

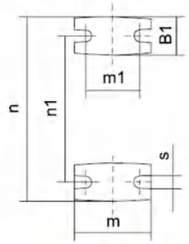
DN	D	M	G	HOLES N°	HOLES ∅	MAX. THICKNESS
80	200	160	138	8	18	22
100	220	180	158	8	18	22

Installation Sketch

up to 7.5 kW included



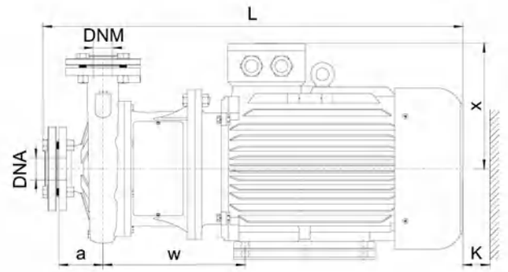


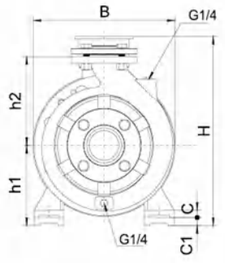


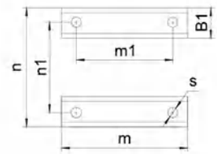
MODEL	DNM	DNA	a	w	x	h2	B1	c	h1	m	m1	n	n1	s	B	H	L	K
32-125/7	32	50	80	223	113	140	48	12	112	100	70	190	140	15	192	281	427	85
32-125/11																		
32-160/15				231	123	160	50	16	132			240	190	14	240	321	430	95
32-160/22					141													
32-160/30				266													496	
32-200/30				258	127	180	48	12	160						248	369	490	
32-200/40																		
32-250/55			155	264	180	198	60	15	160			272	212	15	308	386	610	60
32-250/75																	640	
40-125/11	40	65	80	255	127	140	45	12	112			210	160		218	282	489	95
40-125/15																		
40-125/22																		
40-160/30				238		168	48		132			240	190		249	330	494	105
40-160/40																		
40-200/55			100	259	180	180	50		160			264	212		275	370	553	
40-200/75																	583	
50-125/22	50			262	127	160			132			240	190		243	322	518	110
50-125/30																		
50-125/40																		
50-160/55					180	180	52		160			264	212		272	370	556	
50-160/75																	586	
65-125/40	65	80		265			68	14		125	95	280	212		283	372	564	
65-125/55																		
65-125/75																	594	

Installation Sketch

From 7.5 kW







MODEL	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		350	420	845	120
50-200/110																			
50-250/150						225			20	180							440		110
50-250/185											304	254						895	
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						225			20	180							440		
65-200/185											304	254						895	
65-200/220				323	275		70	22	-		311	241	355	279			455	925	
65-200K/185				337	260		65	20	20		304	254	320	254		355	440	920	
65-200K/220				350	275			22			311	241	355	279			455	950	
65-200K/300				362	305			25			369	305	395	318	18.5		505	1020	
65-250/220				353	275		70	22			311	241	355	279	14.5		455	956	
65-250/300				365	305	250		25		200	369	305	395	318	18.5	400	505	1026	
65-250/370																			
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											304							926	
80-200/220				352	275	250	70	22		180	311	241	355	279		355	461	978	
80-200/300				365	305			25		200	369	305	395	318	18.5	400	505	1050	
80-250/370																	508		
80-250/450				381	330	280	75	28		225	404	311	435	356	18.5	450	555	1098	120
80-250/550				433	365		80	30	30	280	450	349	490	406	24	550	646	1192	

Connectors on request

Application

It is widely used for

- Pressure boosting for domestic water supply
- Floor heating system
- Solar pumping system

Pump

- Automatic pressure boosting
- Anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150℃
- 99% alumina ceramic shaft
- Liquid temperature: 2℃ - 60℃

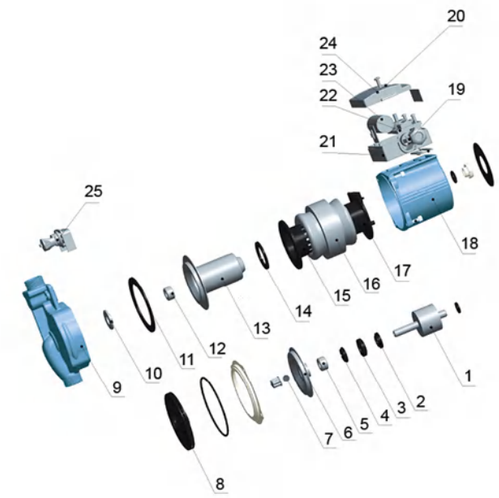
Motor

- Insulation class: H
- Protection class: IP42
- 99% alumina ceramic bearing
- Copper winding

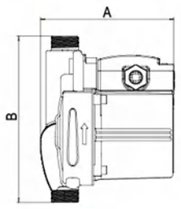
MODEL	Voltage/Frequency	Power(W)	Max. Flow (l/min)	Max. Head (m)	Inlet/Outlet (mm)	Pipe Size (inch)
ERP15-90A/160	1~230V/50Hz	123	25	9	Φ15	1/2

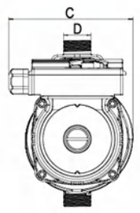
Materials Table

No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust bearing rubber mat	Silicon rubber
4	Thrust bearing	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Silicon rubber
8	Impeller	PPO
9	Pump body	Cast iron/bronze
10	Pump body insert	Stainless steel
11	Body gasket	
12	Rear bearing	HT200
13	Can brg asm	Stainless steel
14	Can brg asm seal	Silicon rubber
15	Stator cover(front)	PA66
16	Motor stator with winding	
17	Stator cover(back)	PA66
18	Housing	ADC12
19	Cable outlet nut	ABS
20	Button	ABS
21	Terminal box	PA6
22	Regulation switch	
23	Capacitor	
24	Terminal cover	ABS
25	Flow switch assembly	



Dimension Drawing



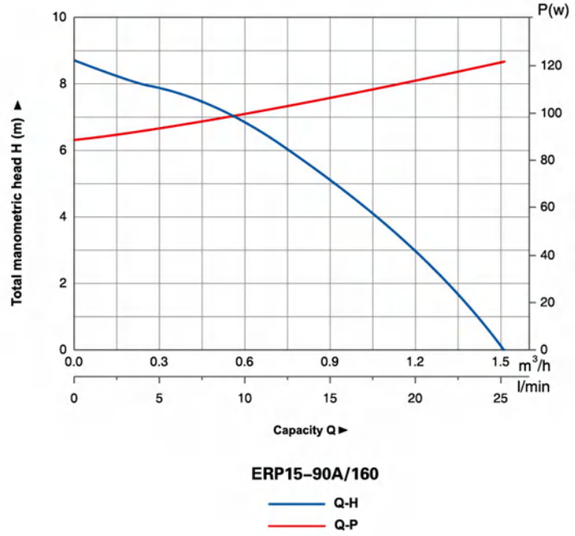


MODEL	A (mm)	B (mm)	C (mm)	D
ERP15-90A/160	129	160	120	G 3/4

Identification Codes

ERP 15 - 90 A / 160

- 160 — Distance between Inlet and Outlet (mm)
- A — Automatic Operation
- 90 — Max. Head (dm)
- 15 — Inlet/Outlet Diameter (mm)
- ERP — Booster/Circulation Pump



Connectors on request

G1"

G1½"

G1¼"

G2"

Application

- It is widely used for heating ventilating and air conditioning (HVAC) circulation, pressure boosting of hot water in family, homes powered by solar energy, industrial auxiliary equipment cold and hot water circulation and so forth
- Water circulation for the central and district heating system
- Domestic hot water circulation

Pump

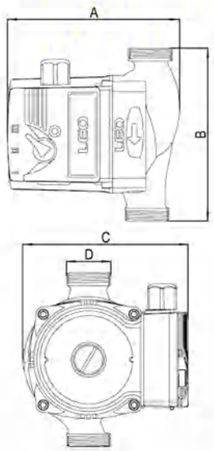
- Bronze or anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150℃
- 99% alumina ceramic shaft
- Liquid temperature: 2℃ - 110℃

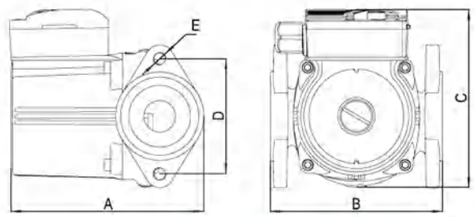
Motor

- Insulation class: H
- Protection class: IP44
- 99% alumina ceramic bearing
- Copper winding
- Three speed motor

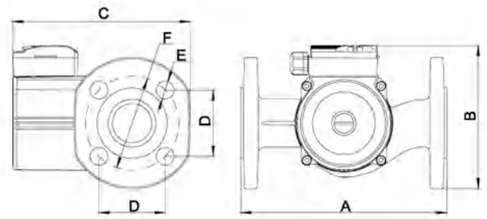
MODEL	A (mm)	B (mm)	C (mm)	D
ERP15-40/130	130	130	125	G1
ERP15-40B/130	130	130	125	G1
ERP20-40/130	130	130	125	G1.2
ERP25-40/130	130	130	125	G1.5
ERP25-40/180	130	180	125	G1.5
ERP32-40/180	135	180	125	G2
ERP15-50/130	130	130	125	G1
ERP15-50B/130	130	130	125	G1
ERP20-50/130	130	130	125	G1.2
ERP25-50/130	130	130	125	G1.5
ERP25-50/180	130	180	125	G1.5
ERP32-50/180	135	180	125	G2
ERP15-60/130	130	130	125	G1
ERP15-60B/130	130	130	125	G1
ERP20-60/130	130	130	125	G1.2
ERP25-60/130	130	130	125	G1.5
ERP25-60/180	130	180	125	G1.5
ERP32-60/180	135	180	125	G2
ERP25-70/130	130	130	125	G1.5
ERP25-70/180	130	180	125	G1.5
ERP32-70/180	135	180	125	G2
ERP25-80/180	154	180	134	G1.5
ERP25-120/180	155	180	148	G1.5
ERP32-80/180	168	180	137	G2

Dimension Drawing





MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E
ERP21-40F/120	130	120	125	80	M10
ERP21-50F/120	130	120	125	80	M10
ERP21-60F/120	130	120	125	80	M10
ERP21-70F/120	130	120	125	80	M10



MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
ERP32-80F/220	220	150	191.5	70.7	Φ19	Φ100
ERP36-80F/200	200	138	174.5	63.6	Φ11.5	Φ90
ERP40-80F/250	250	155	196.5	77.8	Φ19	Φ110

Identification Codes

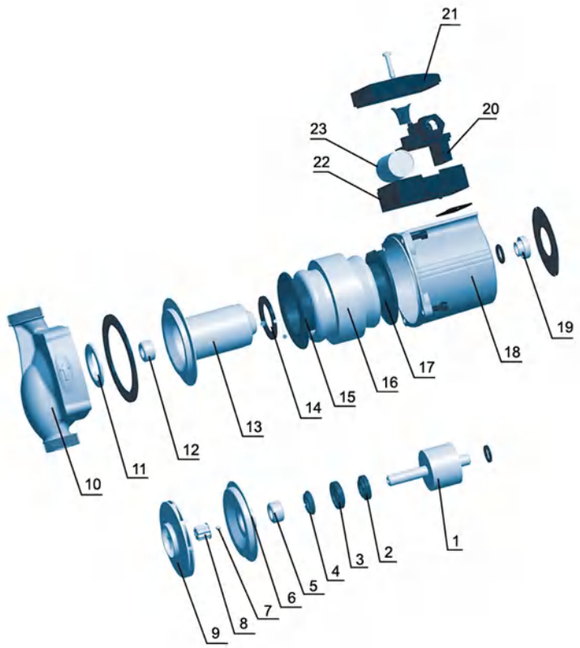
ERP 15 - 50 B / 130

- Distance between Inlet and Outlet (mm)
- No identification=Cast iron pump body & threaded connection
- F=Cast iron pump body & flange connection
- B=Bronze pump body & threaded connection
- Max. Head (dm)
- Inlet/Outlet Diameter (mm)
- LEO Booster/Circulation Pump

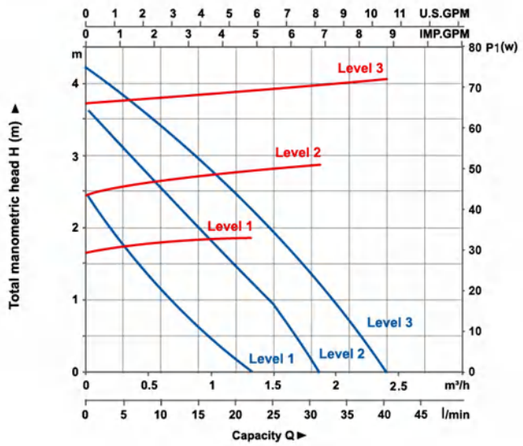
MODEL	POWER	POWER (W)			Max. Flow (l/min)	Max. Head (m)	Inet/Outlet (mm)	Pipe Size (inch)	N.W. (kgs)	G.W. (kgs)	Packing Size (mm)
		3	2	1							
ERP15-40/130	1~230V/50Hz	74	54	34	40/30/22	4.0/3.3/2.3	Φ15	1	2.32	2.45	154x143x153
ERP15-40B/130	1~230V/50Hz	74	54	34	40/30/22	4.0/3.3/2.3	Φ15	1	2.41	2.54	154x143x153
ERP20-40/130	1~230V/50Hz	74	54	34	45/35/25	4.0/3.3/2.3	Φ20	1.25	2.37	2.5	154x143x153
ERP21-40F/120	1~230V/50Hz	74	54	34	55/42/30	4.0/3.3/2.3	Φ21	1.25	2.65	2.78	154x143x153
ERP25-40/130	1~230V/50Hz	74	54	34	52/42/30	4.0/3.3/2.3	Φ25	1.5	2.44	2.57	154x143x153
ERP25-40/180	1~230V/50Hz	74	54	34	55/42/30	4.0/3.3/2.3	Φ25	1.5	2.55	2.705	198x143x160
ERP32-40/180	1~230V/50Hz	74	54	34	55/42/30	4.0/3.3/2.3	Φ32	2	2.73	2.885	198x143x160
ERP15-50/130	1~230V/50Hz	85	60	40	40/32/23	4.5/3.8/2.5	Φ15	1	2.32	2.45	154x143x153
ERP15-50B/130	1~230V/50Hz	85	60	40	40/32/23	4.5/3.8/2.5	Φ15	1	2.41	2.54	154x143x153
ERP20-50/130	1~230V/50Hz	85	60	40	47/37/25	4.5/3.8/2.5	Φ20	1.25	2.37	2.5	154x143x153
ERP21-50F/120	1~230V/50Hz	85	60	40	58/45/32	4.5/3.8/2.5	Φ21	1.25	2.65	2.78	154x143x153
ERP25-50/130	1~230V/50Hz	85	60	40	55/43/28	4.5/3.8/2.5	Φ25	1.5	2.44	2.57	154x143x153
ERP25-50/180	1~230V/50Hz	85	60	40	60/47/32	4.5/3.8/2.5	Φ25	1.5	2.55	2.705	198x143x160
ERP32-50/180	1~230V/50Hz	85	60	40	60/47/32	4.5/3.8/2.5	Φ32	2	2.73	2.885	198x143x160
ERP15-60/130	1~230V/50Hz	96	69	45	40/32/23	5.5/4.5/2.8	Φ15	1	2.32	2.45	154x143x153
ERP15-60B/130	1~230V/50Hz	96	69	45	40/32/23	5.5/4.5/2.8	Φ15	1	2.41	2.54	154x143x153
ERP20-60/130	1~230V/50Hz	96	69	45	53/37/25	5.5/4.5/2.8	Φ20	1.25	2.37	2.5	154x143x153
ERP21-60F/120	1~230V/50Hz	96	69	45	60/45/32	5.5/4.5/2.8	Φ21	1.25	2.65	2.78	154x143x153
ERP25-60/130	1~230V/50Hz	96	69	45	58/43/28	5.5/4.5/2.8	Φ25	1.25	2.44	2.57	154x143x153
ERP25-60/180	1~230V/50Hz	96	69	45	66/47/32	5.5/4.5/2.8	Φ25	1.5	2.55	2.705	198x143x160
ERP32-60/180	1~230V/50Hz	96	69	45	66/47/32	5.5/4.5/2.8	Φ32	2	2.73	2.885	198x143x160
ERP21-70F/120	1~230V/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	Φ21	1.5	2.65	2.805	154x143x153
ERP25-70/130	1~230V/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	Φ25	1.5	2.45	2.605	154x143x153
ERP25-70/180	1~230V/50Hz	150	130	105	67/50/37	6.3/6.0/5.2	Φ25	1.5	2.57	2.725	198x143x160
ERP32-70/180	1~230V/50Hz	150	130	105	67/50/34	6.3/6.0/5.2	Φ32	2	2.75	2.905	198x143x160
ERP25-80/180	1~230V/50Hz	200	190	160	120/100/60	7.1/6.5/5.5	Φ28	1.5	4.23	4.57	192x170x190
ERP32-80/180	1~230V/50Hz	270	245	160	170/100/60	7.3/6.7/5.4	Φ42	2	4.75	5.09	192x170x190
ERP32-80F/220	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Φ42	1.25	7.57	8	235x181x207
ERP36-80F/200	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Φ42	1.25	5.98	6.36	264x186x212
ERP40-80F/250	1~230V/50Hz	270	245	160	170/113/65	7.3/6.7/5.4	Φ42	1.25	8.27	8.74	192x170x190
ERP25-120/180	1~230V/50Hz	270	245	160	67/38/22.5	11.5/10/6.3	Φ18	1.5	4.62	4.96	192x170x190

Materials Table

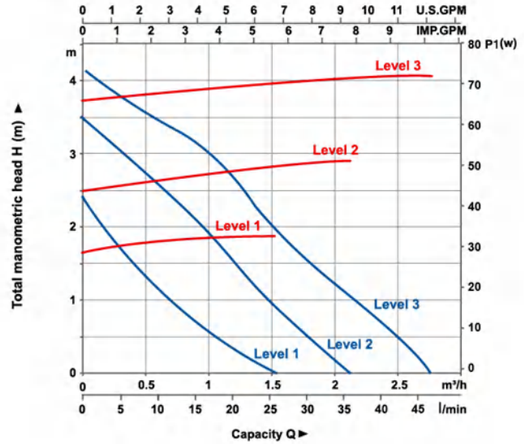
No.	Part	Material
1	Rotor	
2	Thrust bearing adjusting mat	Noryl
3	Thrust bearing rubber mat	Silicon rubber
4	Thrust bearing	Graphite
5	Front bearing	Alumina
6	Pump support cover	Stainless steel
7	Check ball	Silicon rubber
8	Locking	Stainless steel
9	Impeller	PPO
10	Pump body	Cast iron/Bronze
11	Pump body insert	Stainless steel
12	Back bearing	Alumina
13	Can brg asm	Stainless steel
14	Can brg asm seal	Silicon rubber
15	Stator cover(front)	PA66
16	Stator	
17	Stator cover(back)	PA66
18	Pump shell	ADC12
19	Drain plug	Copper
20	Speed regulation board	
21	Terminal cover	ABS
22	Terminal box	PC
23	Capacitor	



Hydraulic Performance Curves

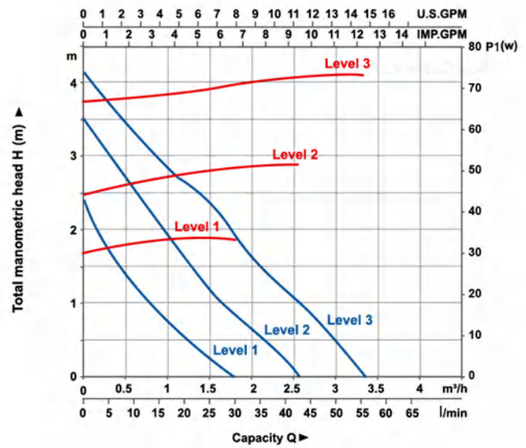


ERP15-40B/130
ERP15-40/130
Q-H
Q-P

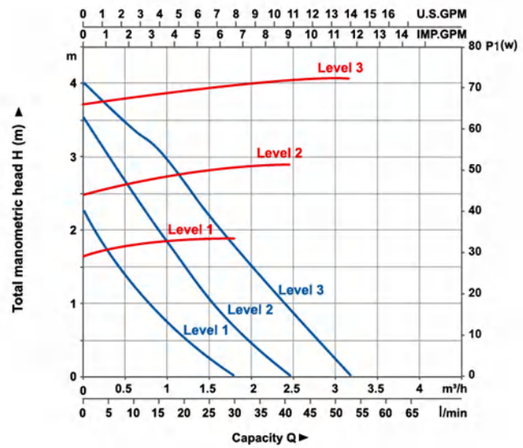


ERP20-40/130
Q-H
Q-P

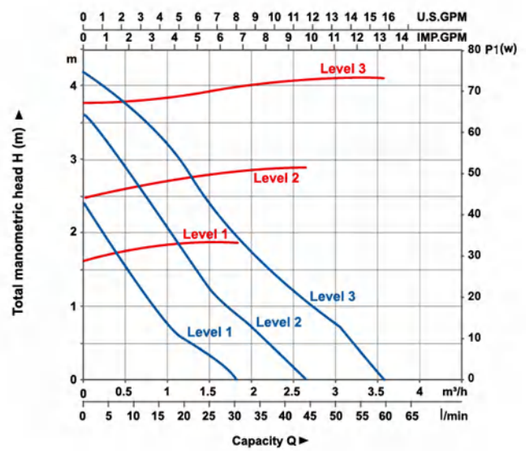
Hydraulic Performance Curves



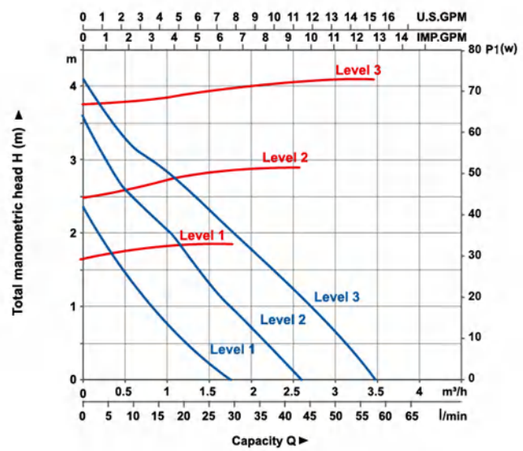
ERP21-40F/120
Q-H
Q-P



ERP25-40/130
Q-H
Q-P

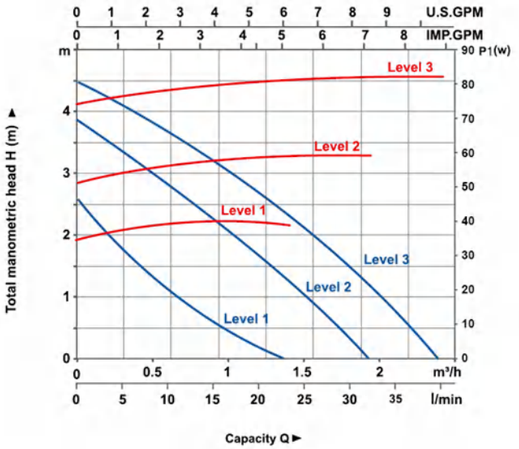


ERP25-40/180
Q-H
Q-P



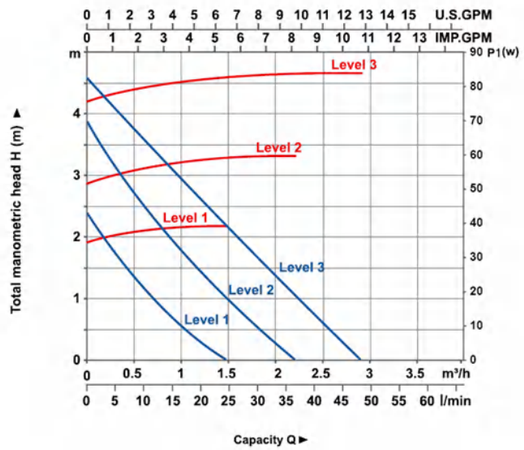
ERP32-40/180
Q-H
Q-P

Hydraulic Performance Curves



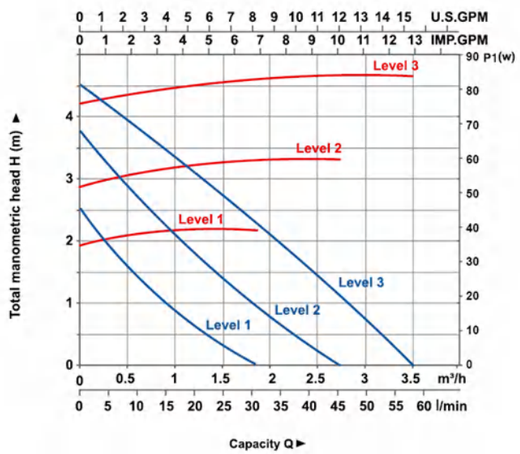
ERP15-50B/130
ERP15-50/130

Q-H
Q-P



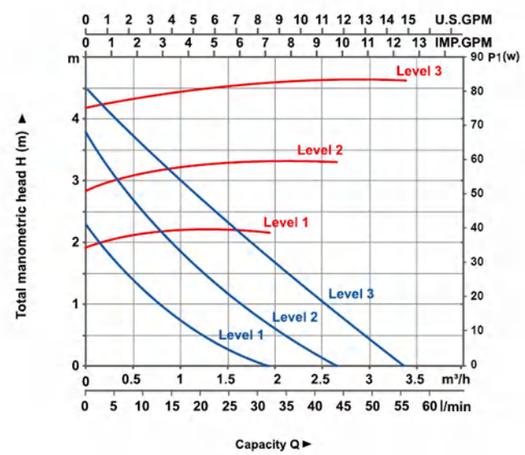
ERP20-50/130

Q-H
Q-P



ERP21-50F/120

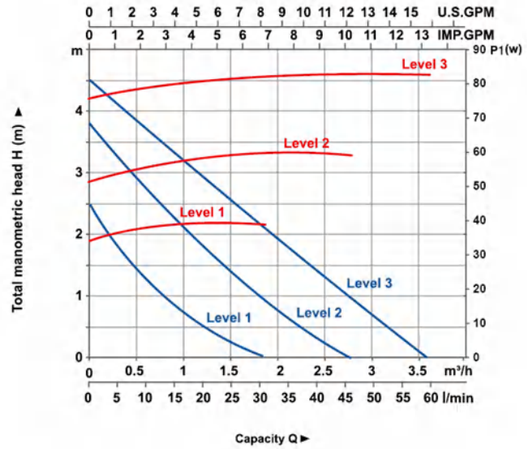
Q-H
Q-P



ERP25-50/130

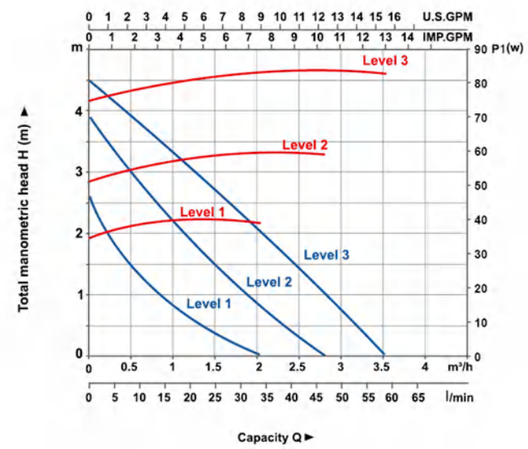
Q-H
Q-P

Hydraulic Performance Curves



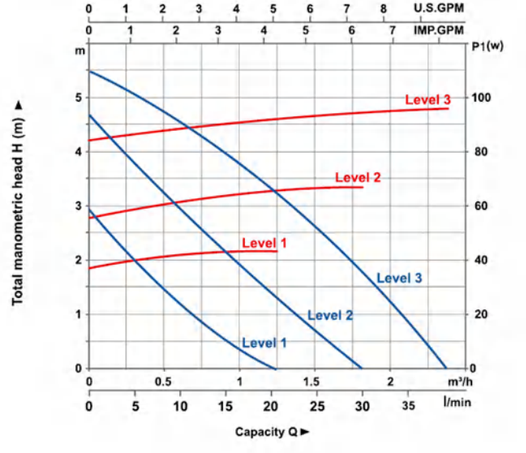
ERP25-50/180

Q-H
Q-P



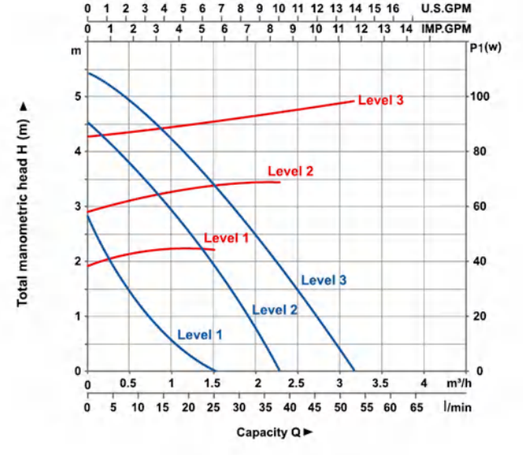
ERP32-50/180

Q-H
Q-P



ERP15-60B/130
ERP15-60/130

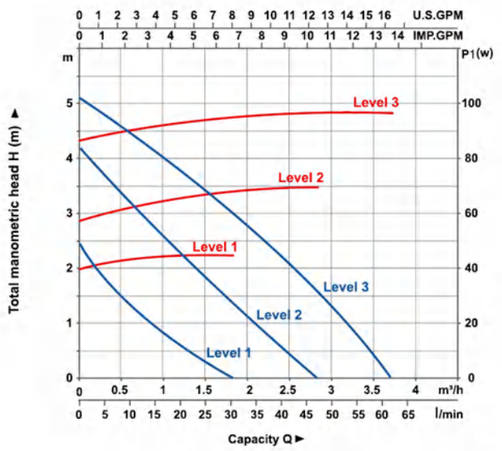
Q-H
Q-P



ERP20-60/130

Q-H
Q-P

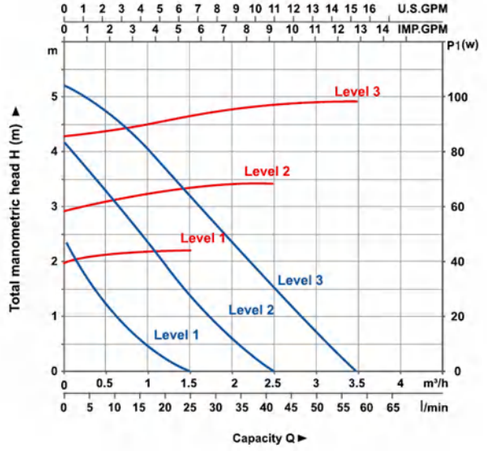
Hydraulic Performance Curves



ERP21-60F/120

Q-H

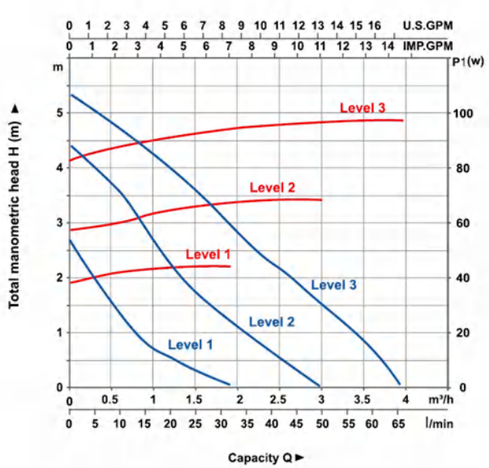
Q-P



ERP25-60/130

Q-H

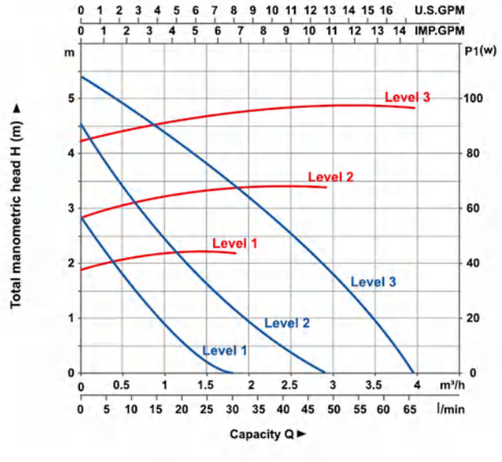
Q-P



ERP25-60/180

Q-H

Q-P

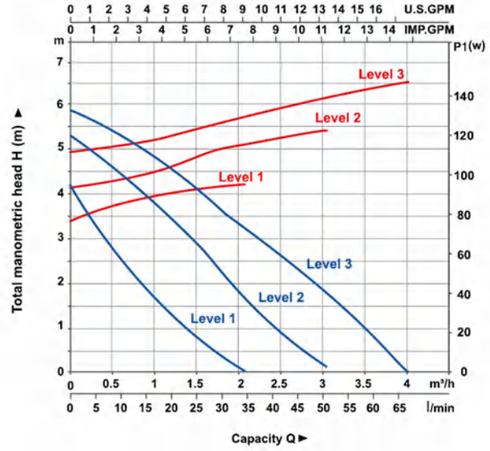


ERP32-60/180

Q-H

Q-P

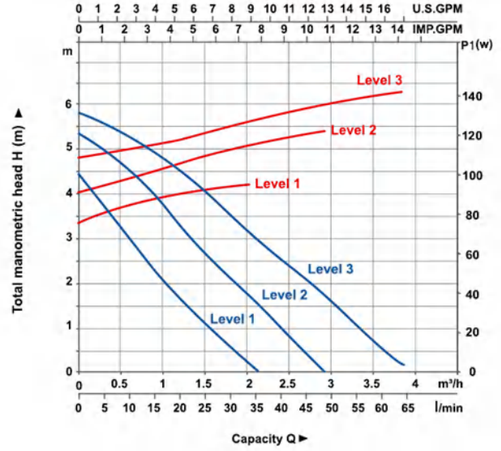
Hydraulic Performance Curves



ERP21-70F/120

Q-H

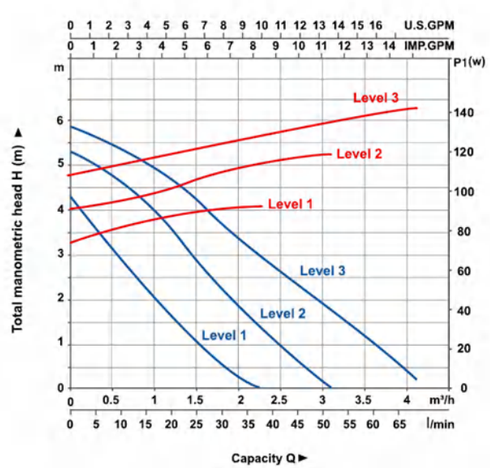
Q-P



ERP25-70/130

Q-H

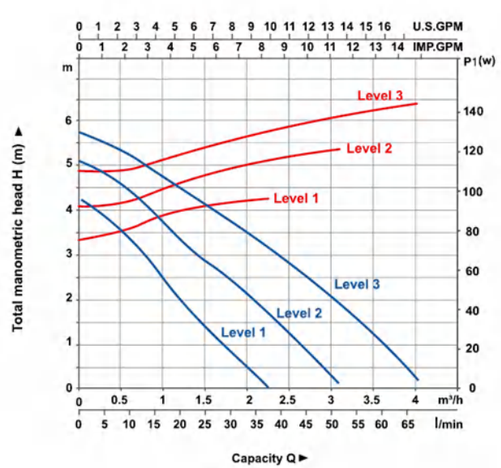
Q-P



ERP25-70/180

Q-H

Q-P

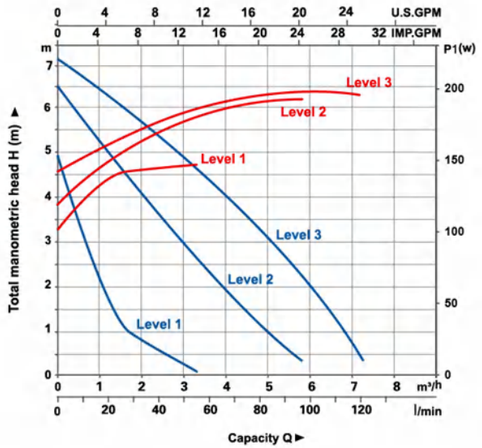


ERP32-70/180

Q-H

Q-P

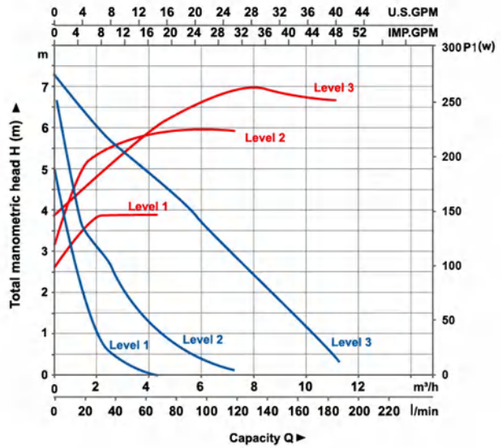
Hydraulic Performance Curves



ERP25-80/180

Q-H

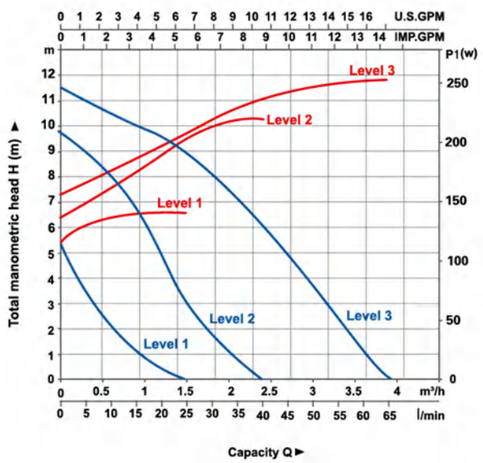
Q-P



ERP32-80/180
ERP32-80F/220
ERP36-80F/200

Q-H

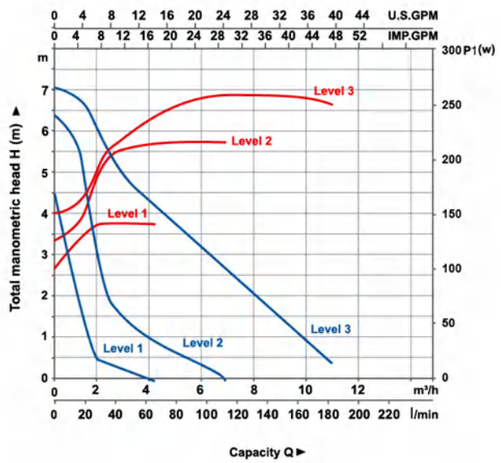
Q-P



ERP25-120/180

Q-H

Q-P



ERP40-80F/250

Q-H

Q-P

Tank

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
24ST	8	24	20	EPDM	99℃	G1"
24STT	8	24	24	EPDM	99℃	G1"

The service life of the membrane is 50,000 cycles.

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
2VT	8	2	2	EPDM	99℃	G1/2"
4VT	8	4	4	EPDM	99℃	G1"
8VT	8	8	8	N.R	60℃	G1"
19VT	8	19	18	EPDM	99℃	G1"
24VT	8	24	20	EPDM	99℃	G1"
24VTT	8	24	24	EPDM	99℃	G1"

The service life of the membrane is 50,000 cycles.

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
19CT	8	19	18	EPDM	99℃	G1"
24CT	8	24	20	EPDM	99℃	G1"
24CTT	8	24	24	EPDM	99℃	G1"
50CT	8	50	36	EPDM	99℃	G1"
50CTT	8	50	50	EPDM	99℃	G1"
60CTT	8	60	60	EPDM	99℃	G1"
100CT	8	100	80	EPDM	99℃	G1"
100CTT	8	100	100	EPDM	99℃	G1"

The service life of the membrane is 50,000 cycles.

Model	Max. Pressure (bar)	Nominal Capacity (L)	Actual Capacity (L)	Membrane	Max. Temp	Connection
50FT	8	50	36	EPDM	99℃	G1"
50FTT	8	50	50	EPDM	99℃	G1"
60FTT	8	60	60	EPDM	99℃	G1"
100FT	8	100	80	EPDM	99℃	G1"
100FTT	8	100	100	EPDM	99℃	G1"

The service life of the membrane is 50,000 cycles.

3-Way/5-Way

5TA 5TB 3TA

Model	Connection	Length
3TA	G1"	70. 80. 90
5TA	G1"	70. 80. 90
5TB	G1"	70. 80. 90

Foot Valve

FVA

Model	Connection
FVA1	1"
FVA1.25	11/4"
FVA1.5	11/2"
FVA2	2"
FVA3	3"

- Stainless steel mesh
- Can be used as a check valve

Flexible Hose

Model	FH12.8-01(L=128mm)	FH44-03(L=440mm)
Inlet	G3/4"	G1"
Outlet	G3/8"	G1"
Material	Stainless Steel wire	Stainless Steel wire
Operating Limits	Fluid temperature up to 35℃; Maximum ambient temperature 40℃.	

Filter

Model	WF-01A	WF-02A
Inlet/Outlet	1"×1"	1"×1"
Capacity	1L	2L
Max.Pressure	5bar	5bar
Operating Limits	Fluid temperature up to 35℃; Maximum ambient temperature 40℃.	

Pressure Switch

PS-02B

- High precision
- High sensitivity
- Adjustable pressure range 1.4~5.6 bar
- G1/4"

PS-02C

- High precision
- High sensitivity
- Adjustable pressure range 1.4~5.6 bar
- G1/4"

Pressure Gauge

Axial Radial

PG - P 40 A

- A: Axial; R: Radial
- Size (40mm,50mm,60mm)
- P: Plastic; S:Iron sheet; SS: Stainless steel
- Pressure gauge

- Two connection types: (1)G1/4" (2)M10×1
- For 40mm gauge，the scale: 0-6 bar
- For 50mm gauge，the scale: 0-6 bar or 0-10 bar or 0-12 bar
- Back/bottom connection

Float Switch

EF-01 EF-01B (With balance block)

Model	EF-01	EF-01B (With balance block)
Specifcation	16(8)250V 16(14)125V	16(8)250V 16(14)125V
Cable	H07-RN-F 3G1x0.5m	H07-RN-F 3G1x3m
Lifetime	5000 cycles	5000 cycles
Operating Limits	Fluid temperature up to 35℃; Maximum ambient temperature 40℃.	

Automatic Switch

EPS-01

RATED VOLTAGE	220-240V
MAX CURRENT	10A
MAX POWER	1.1KW
FREQUENCY	50/60HZ
STARTING PRESSURE SETTING	1.2bar/1.5bar/2.2bar
MAX OPERATION PRESSURE	10bar
CONNECTION THREAD	G1"
PROTECTION RATING	IP65
MAX OPERATION TEMPERATURE	55℃

EPS-02

RATED VOLTAGE	220-240V
MAX CURRENT	10A
MAX POWER	1.1KW
FREQUENCY	50/60HZ
STARTING PRESSURE SETTING	1.2bar/1.5bar/2.2bar
MAX OPERATION PRESSURE	10bar
CONNECTION THREAD	G1"
PROTECTION RATING	IP65
MAX OPERATION TEMPERATURE	55℃

EPS-03

RATED VOLTAGE	220-240V
MAX CURRENT	10A
MAX POWER	1.1KW
FREQUENCY	50/60HZ
STARTING PRESSURE SETTING	1.2bar/1.5bar/2.2bar
MAX OPERATION PRESSURE	10bar
CONNECTION THREAD	G1"
PROTECTION RATING	IP65
MAX OPERATION TEMPERATURE	55℃

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