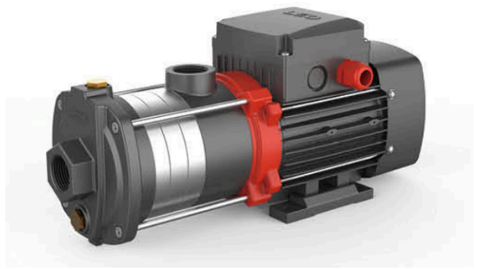
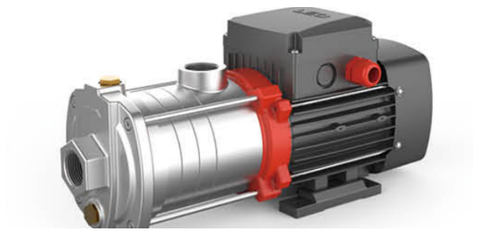
ECH

Stainless Steel Horizontal Multistage Pump



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
- Max. operating pressure: 10 bar
- Liquid PH Value: 4-10

Motor

- IE2 motor (IE3 motor available on request)
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP55
- Max ambient temperature: +40℃

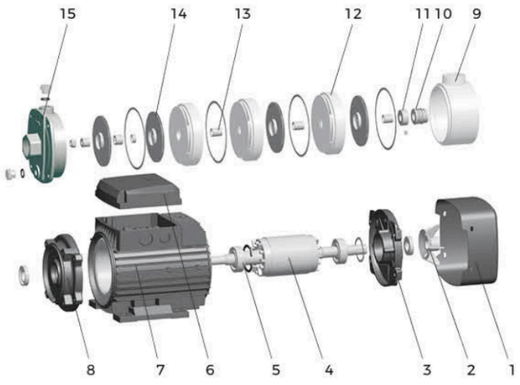
Identification Codes

ECH (m) 2 - 20 (S)

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

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	Positioning sleeve	AISI 304
12	Diffuser	AISI 304
13	Sleeve	AISI 304
14	Impeller	AISI 304
15	Pump body	Cast iron/AISI 304



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: +60℃
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max. operating pressure: 10 bar
- Liquid PH Value: 6.5 - 8.5

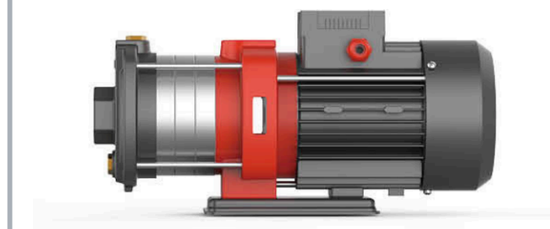
Motor

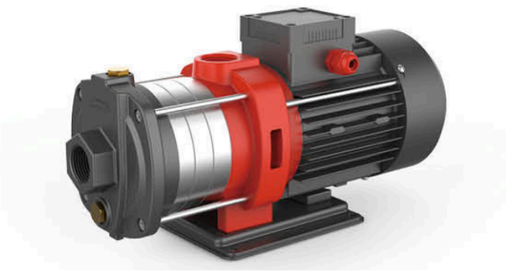
- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IPX4
- Max. ambient temperature: +40℃

Identification Codes

ECH (m) 2 - 20 - F

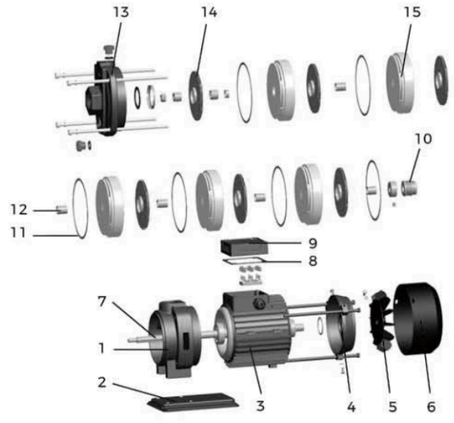
- Feature
- Impeller Stage x10
- Rated Flow (m^3/h)
- Single Phase (Three-phase without m)
- Stainless Steel Horizontal Multistage Pump



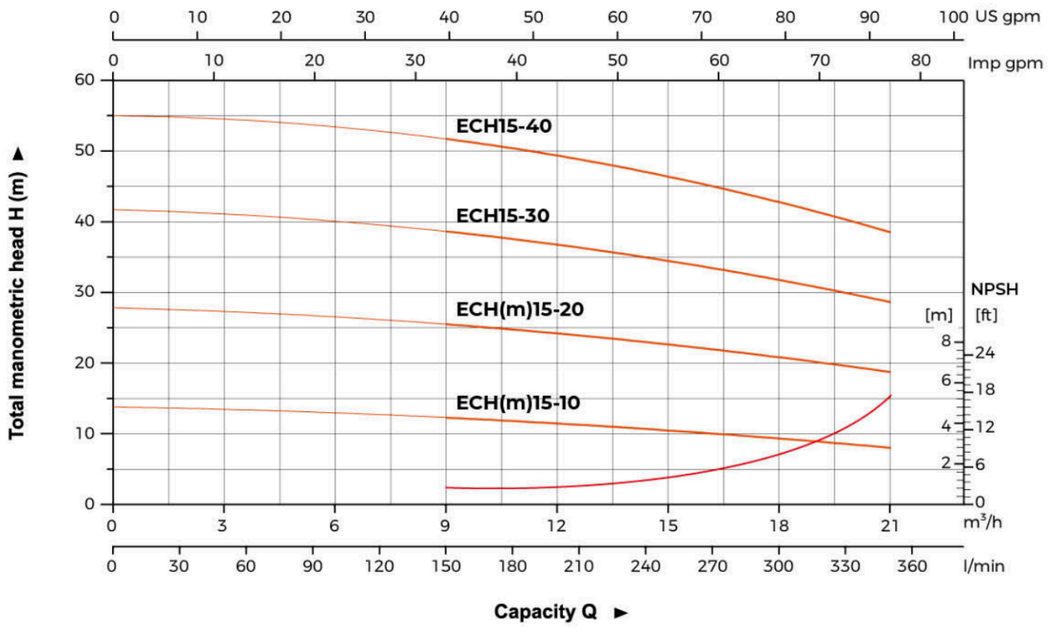


Materials Table

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



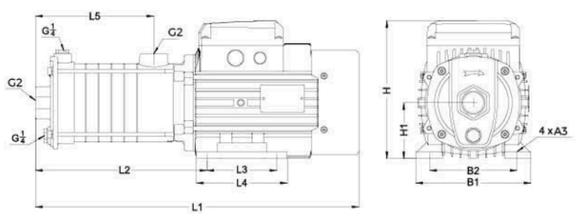
Hydraulic Performance Curves



Technical Data

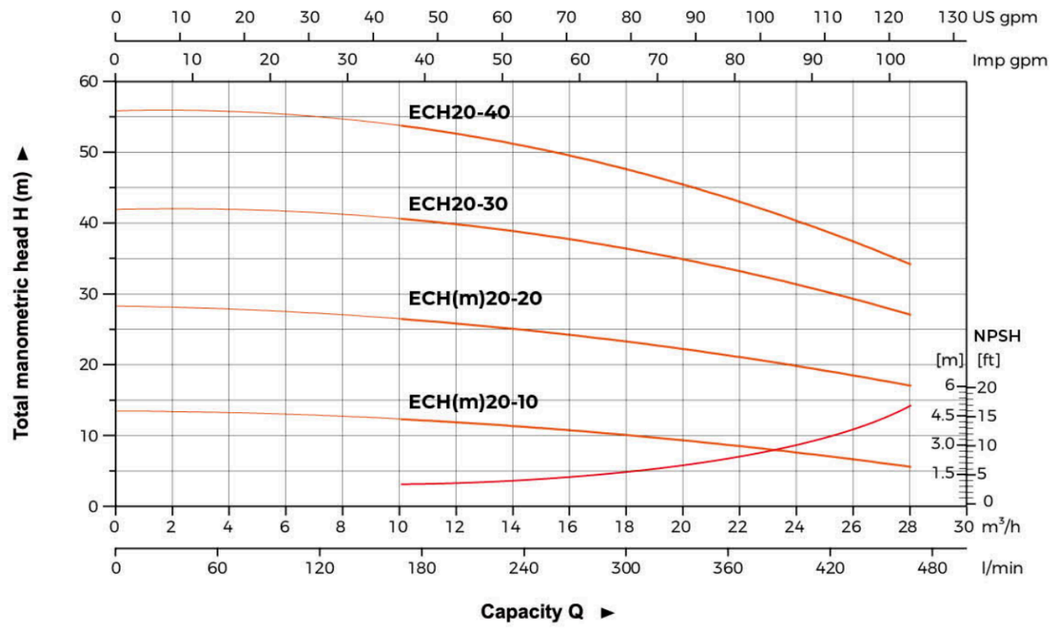
Model	Power		Q(m³/h)	9	12	15	18	21
	kW	HP	Q(l/min)	150	200	250	300	350
ECH(m)15-10	1.1	1.5	H (m)	12.4	11.6	10.6	9.4	8.2
ECH(m)15-20	2.2	3.0		25.6	24.1	22.7	21.1	18.8
ECH15-30	3.0	4.0		38.7	36.9	34.9	31.9	28.5
ECH15-40	4.0	5.5		51.8	49.7	46.8	42.9	38.3

Dimension



Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A3	GW (Kgs)	L x W x H (mm)	Quantity (PCS/20'TEU)
ECH(m)15-10	451	233.5	100	130	139.5	165	125	204.5	80	Φ10	22.7	503x235x268	856
ECH(m)15-20	510	222	125	150	139.5	180	140	217.5	90	Φ10	30.3	557x245x283	659
ECH15-30	560	272	125	150	189.5	180	140	217.5	90	Φ10	32.2	618x245x283	620
ECH15-40	616	336.5	140	180	230	205	160	224.5	100	Φ12	39.6	687x245x290	504

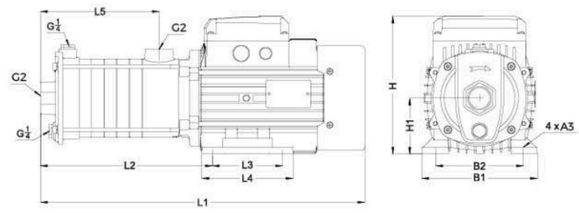
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/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	3.0		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	4.0	5.5		52.7	50.1	45.9	40.3	34.0

Dimension



Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A3	GW (Kgs)	L x W x H (mm)	Quantity (PCS/20'TEU)
ECH(m)20-10	451	233.5	100	130	139.5	165	125	204.5	80	Φ10	22.7	503x235x268	856
ECH(m)20-20	510	222	125	150	139.5	180	140	217.5	90	Φ10	30.3	557x245x283	659
ECH20-30	570.5	291	140	180	184.5	205	160	224.5	100	Φ12	38.9	687x245x290	513
ECH20-40	616	336.5	140	180	230	205	160	224.5	100	Φ12	39.4	687x245x290	504