

LEO EDH HORIZONTAL

PUMP

Catalogue



APPLICATION

Various Applications of the System

The system has broad applications in various settings, including but not limited to:

Household water supply

Equipment maintenance and support

Pipeline pressurization

Garden and greenhouse watering

Fish farming and poultry raising

Industrial and mining operations

Water supply and drainage in enterprises and high-rise buildings

Central air conditioning and heating circulation systems

PUMP

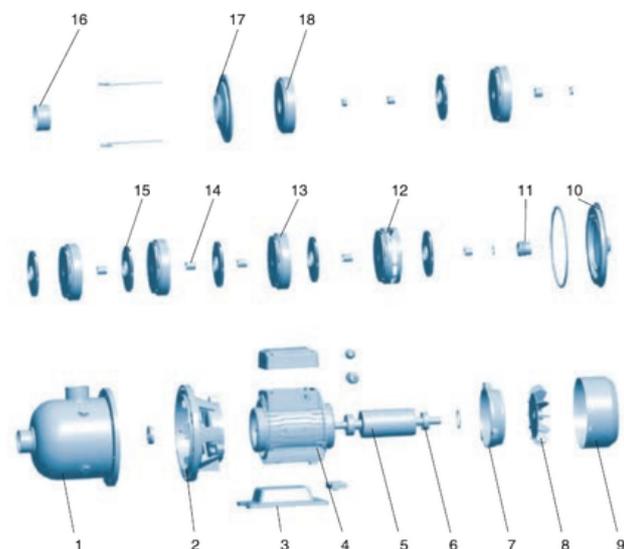
- **AISI304 Shaft**
- **Max. Liquid temperature: + 85°C**
- **Altitude: up to 1000m**
- **Max. suction: 8m**
- **Max inlet pressure: limited by max operating pressure**

MOTOR

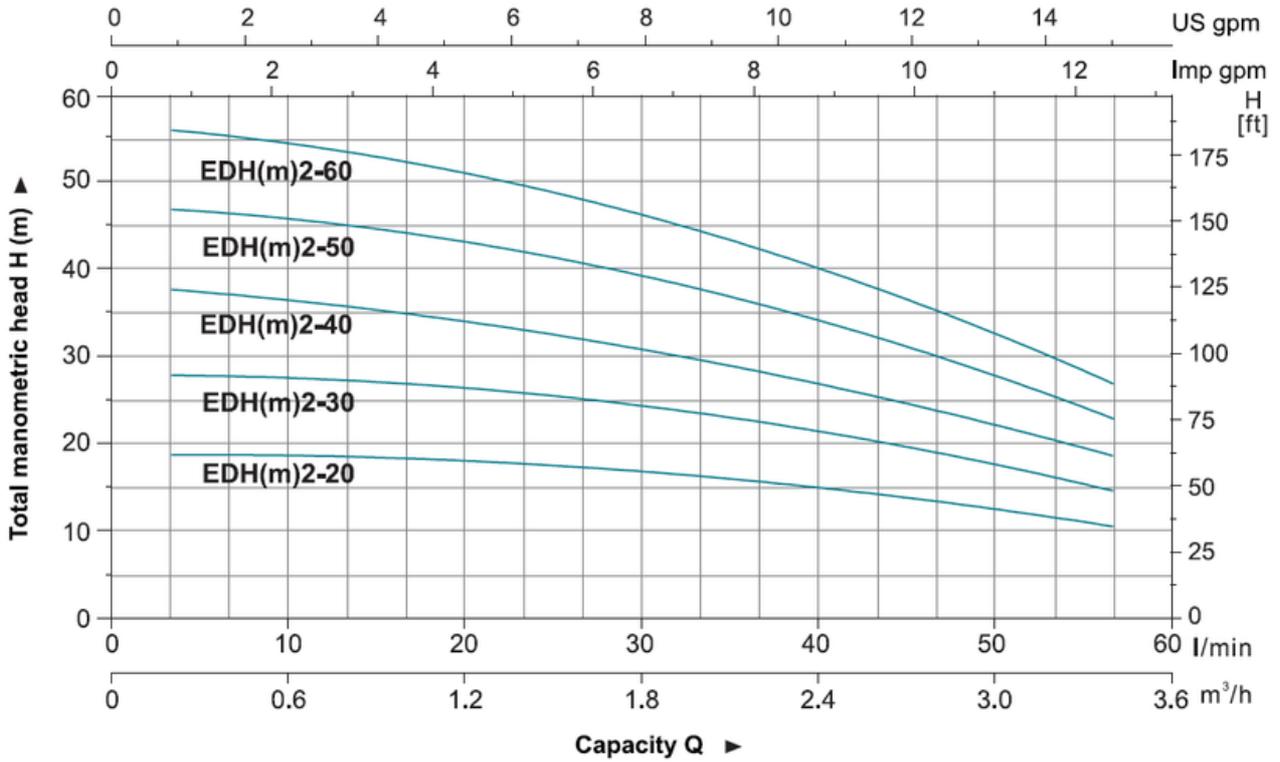
- **Motor and Copper winding**
- **Built-in thermal protector for single phase motor**
- **Insulation class: F**
- **Protection class: IP44**
- **Max. ambient temperature: +40°C**

MATERIALS TABLE

No.	Part	Material
1	Pump body	AISI 304/AISI 316
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	Carbon/Ceramic
12	Diffuser 3	AISI 304
13	Diffuser 2	AISI 304
14	Sleeve	AISI 304
15	Impeller	AISI 304
16	Spacer bush	AISI 304
17	Pressure plate	AISI 304
18	Diffuser 1	AISI 304



HYDRAULIC PERFORMANCE CURVES



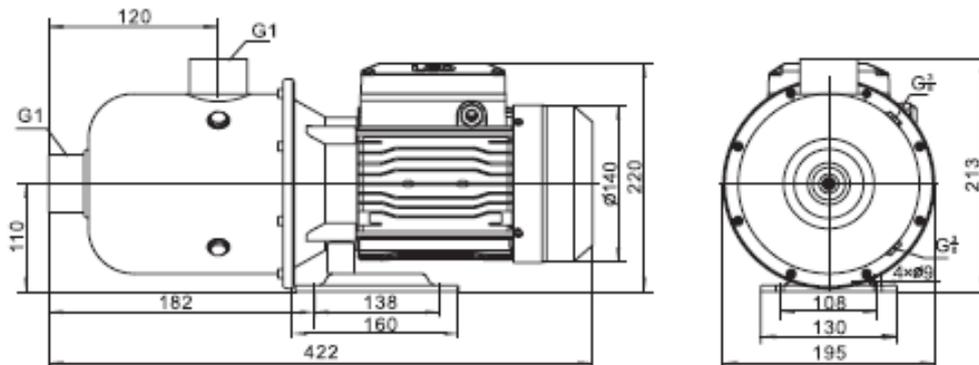
TECHNICAL DATA

Model		Power (P2)		Q (m³/h)	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
Single-phase	Three-phase	kW	HP	Q (l/min)	0	8.3	16.7	25	33.3	41.7	50	58.3	66.7
EDHm2-20	EDH2-20	0.37	0.5	H (m)	17.5	16.7	16.2	15	14	12	10.6	8.5	6.5
EDHm2-30	EDH2-30	0.37	0.5		27.5	26.6	25.6	23.8	21.3	19.2	16.1	12.5	7.2
EDHm2-40	EDH2-40	0.55	0.75		37	36.2	35.4	33.2	30.7	27.6	22.9	18.4	12.6
EDHm2-50	EDH2-50	0.55	0.75		48	44	42.1	39.5	35.9	30.8	25.7	19.6	13.5
EDHm2-60	EDH2-60	0.75	1.0		52	50.8	49.2	45.6	41.5	36.2	30.4	23.4	14.3



DIMENSIONS

Model	L	A	B	C	D	E	F	G	H	J	K	M	N
EDH(m)2-20	422	182	138	Φ140	220	108	130	120	G1	110	195	213	Φ9
EDH(m)2-30													
EDH(m)2-40													
EDH(m)2-50													
EDH(m)2-60													

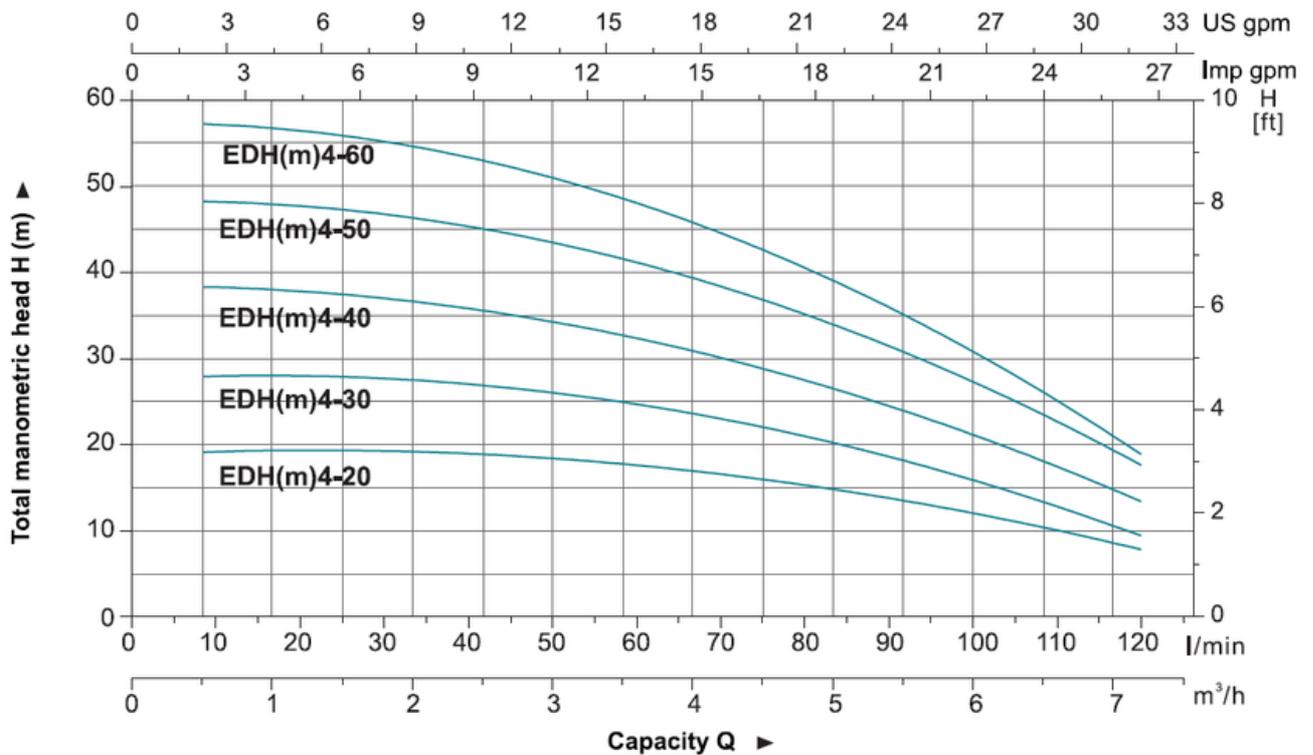


PACKAGE INFORMATION

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20' TEU)
EDH(m)2-20	10.3	460	224	278	1088
EDH(m)2-30	10.8	460	224	278	1088
EDH(m)2-40	12.2	460	224	278	1088
EDH(m)2-50	13	460	224	278	1088
EDH(m)2-60	14	460	224	278	1088

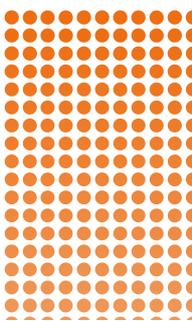


HYDRAULIC PERFORMANCE CURVES



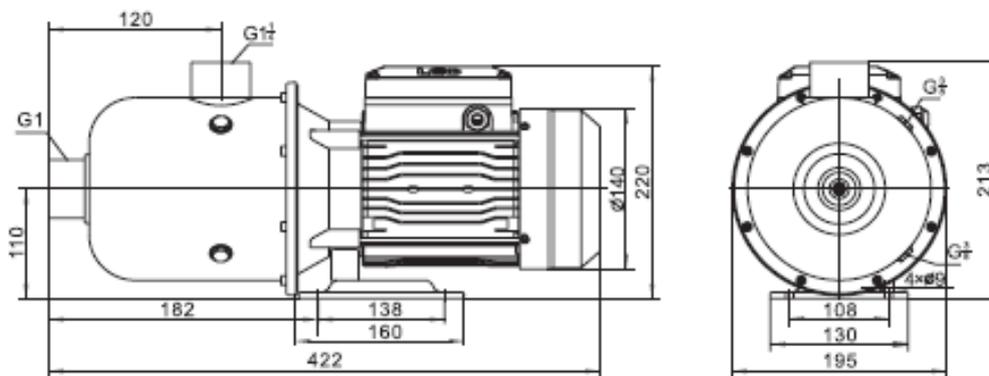
TECHNICAL DATA

Model		Power (P2)		Q (m³/h)	0	1.0	2.0	3.0	4.0	5.0	6.0	7.0
Single-phase	Three-phase	kW	HP	Q (l/min)	0	17	33	50	67	83	100	117
EDHm4-20	EDH4-20	0.55	0.75	H (m)	19	18.3	17.2	16.1	14.3	11.3	6.3	2.3
EDHm4-30	EDH4-30	0.55	0.75		28.3	27.7	26.4	24.6	22.1	18.8	13.5	7.3
EDHm4-40	EDH4-40	0.7	1.0		39.2	36.1	35.2	32.9	29.9	24.7	18.6	9.2
EDHm4-50	EDH4-50	1.1	1.5		48.7	46.5	45	42.5	37	31.8	21.8	10
EDHm4-60	EDH4-60	1.1	1.5		59	55.5	53	47	42.5	35	23	12



DIMENSIONS

Model	L	A	B	C	D	E	F	G	H	J	K	M	N
EDH(m)4-20	422	182	138	Φ140	220	108	130	120	G1 $\frac{1}{4}$	110	195	213	Φ9
EDH(m)4-30													
EDH(m)4-40													
EDH(m)4-50													
EDH(m)4-60													

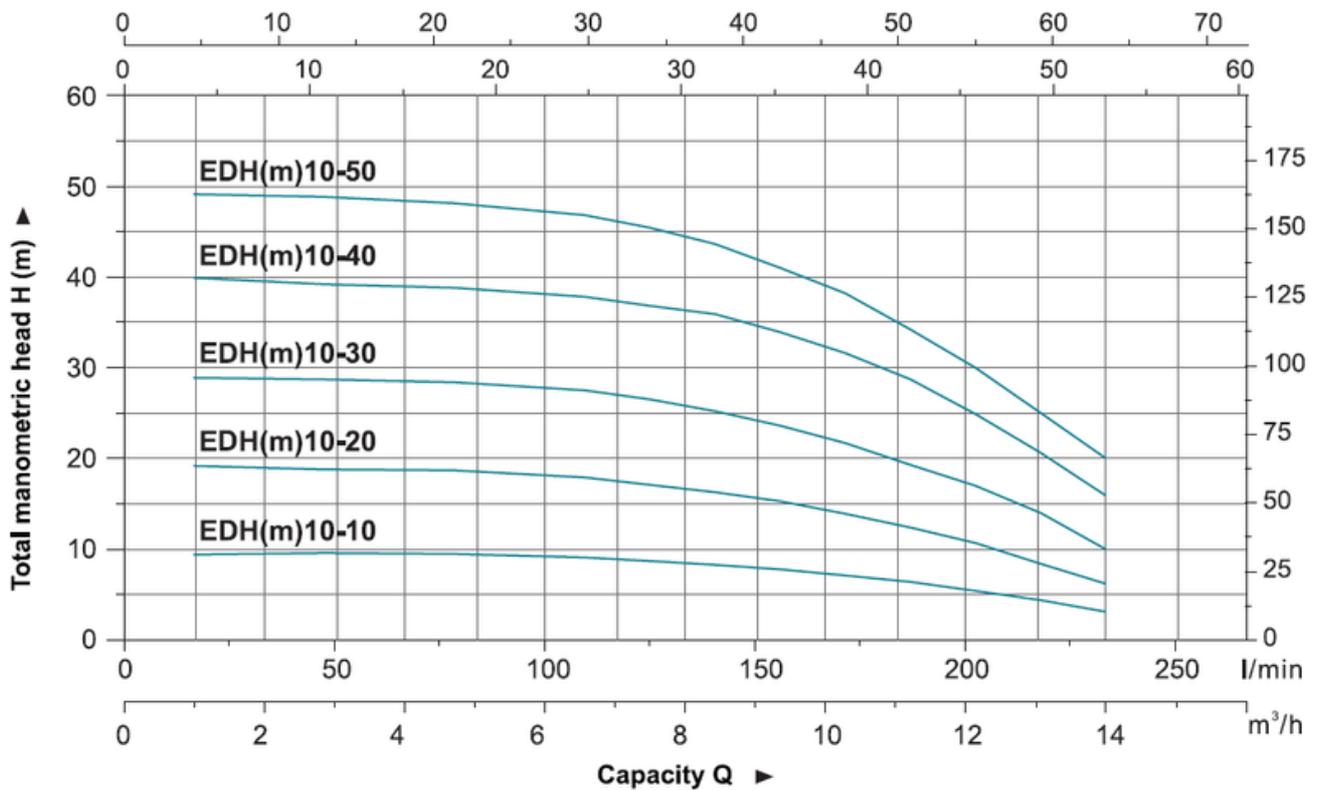


PACKAGE INFORMATION

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20' TEU)
EDH(m)4-20	11.5	460	224	278	1088
EDH(m)4-30	11.8	460	224	278	1088
EDH(m)4-40	12	460	224	278	1088
EDH(m)4-50	14.3	460	224	278	1088
EDH(m)4-60	14.5	460	224	278	1088



HYDRAULIC PERFORMANCE CURVES



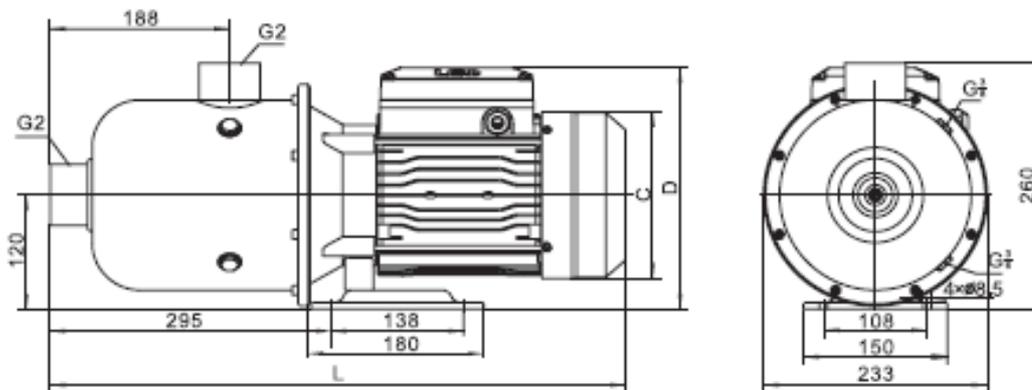
TECHNICAL DATA

Model	Power		Q (m³/h)	0	2	4	6	7	8	9	10	11	12	13	14
	kW	HP	Q (l/min)	0	33	67	100	117	133	150	167	183	200	217	233
EDH(m)10-10	0.75	1.0	H (m)	9.4	9.6	9.5	9.1	8.7	8.3	7.8	7.1	6.4	5.4	4.4	3.1
EDH(m)10-20				19.2	18.8	18.7	17.9	17.1	16.3	15.3	13.9	12.4	10.7	8.4	6.2
EDH(m)10-30				28.5	28.7	28.7	27.5	26.5	25.2	23.6	21.7	19.3	17	14	10
EDH(m)10-40				37	39.9	40.1	38.7	37.2	35.9	33.9	31.6	28.7	24.9	19.7	15.9
EDH(m)10-50				48.3	48.8	49.3	47.2	45.4	43.6	41	38.2	34.2	30	24.5	18



DIMENSIONS

Model	L	A	B	C	D	E	F	G	H	J	K	M	N
EDH(m)10-10	555	295	138	Φ164	245	108	150	188	G2	120	233	266	Φ8.5
EDH(m)10-20													
EDH(m)10-30	602	295	138	Φ173	254	108	150	188	G2	120	233	266	Φ8.5
EDH(m)10-40													
EDH(m)10-50													

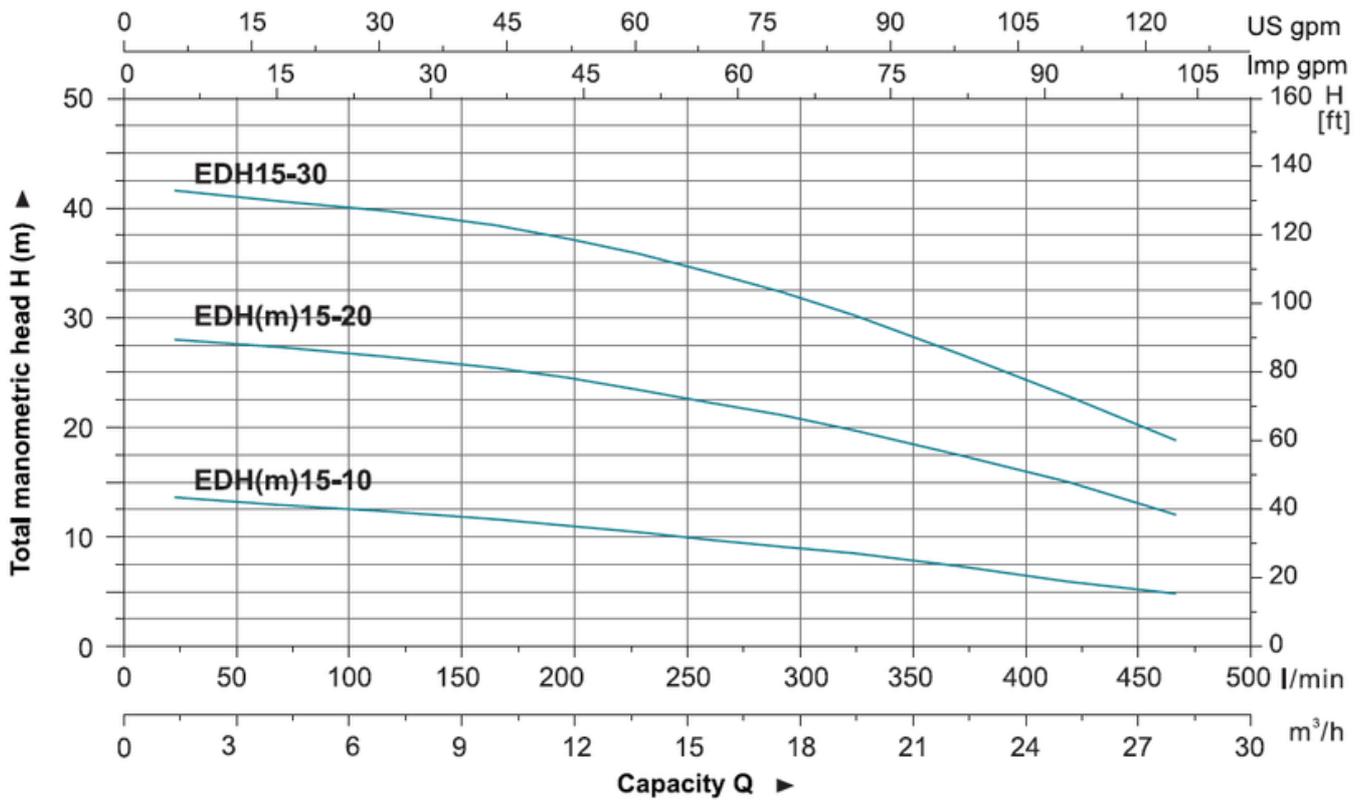


PACKAGE INFORMATION

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20' TEU)
EDH(m)10-10	19	595	275	302	553
EDH(m)10-20	19.2	595	275	302	553
EDH(m)10-30	21.5	595	275	302	553
EDH(m)10-40	22.4	640	275	302	525
EDH(m)10-50	26.7	640	275	302	525



HYDRAULIC PERFORMANCE CURVES

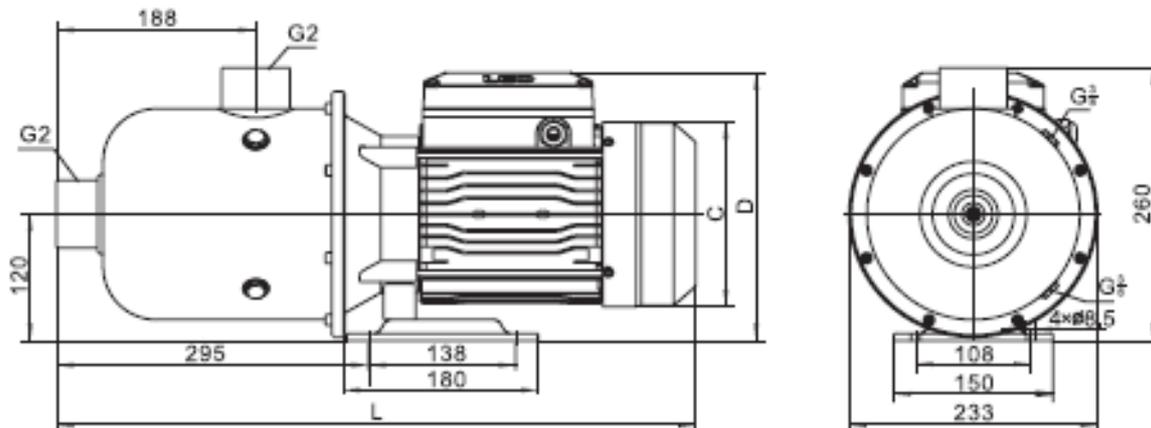


TECHNICAL DATA

Model	Power		Q (m³/h)	0	3	6	9	11	13	15	17	19	22	25	28
	kW	HP	Q (l/min)	0	50	100	150	183	217	250	283	317	367	417	467
EDH(m)15-10	1.1	1.5	H (m)	13.6	12.7	12.5	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		28	27.3	26.4	25.4	24.5	23.4	22.2	21.1	19.7	17.4	15	12
EDH 15-30	3.0	4.0		41.6	40.6	39.7	38.4	37.2	35.8	34.1	32.3	30.2	26.6	22.8	18.8

DIMENSIONS

Model	L	A	B	C	D	E	F	G	H	J	K	M	N
EDH(m)15-10	555	295	138	Φ164	245	108	150	188	G2	120	233	260	Φ8.5
EDH(m)15-20	602			Φ173	254								
EDH15-30	618			Φ194	261								

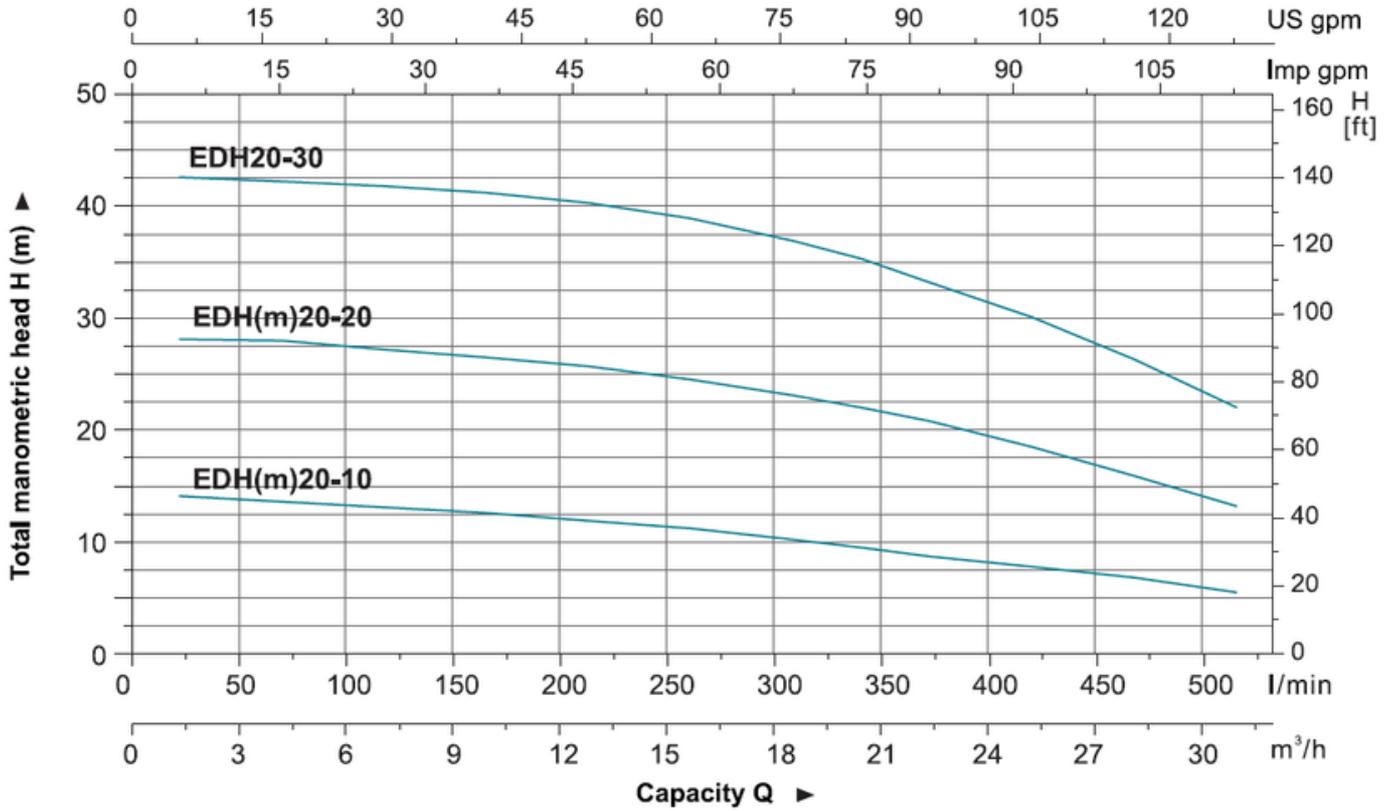


PACKAGE INFORMATION

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
EDH(m)15-10	20.6	595	275	302	553
EDH(m)15-20	26.9	640	275	302	525
EDH15-30	30.2	660	275	302	497

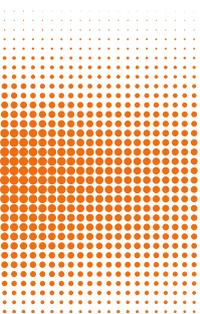


HYDRAULIC PERFORMANCE CURVES



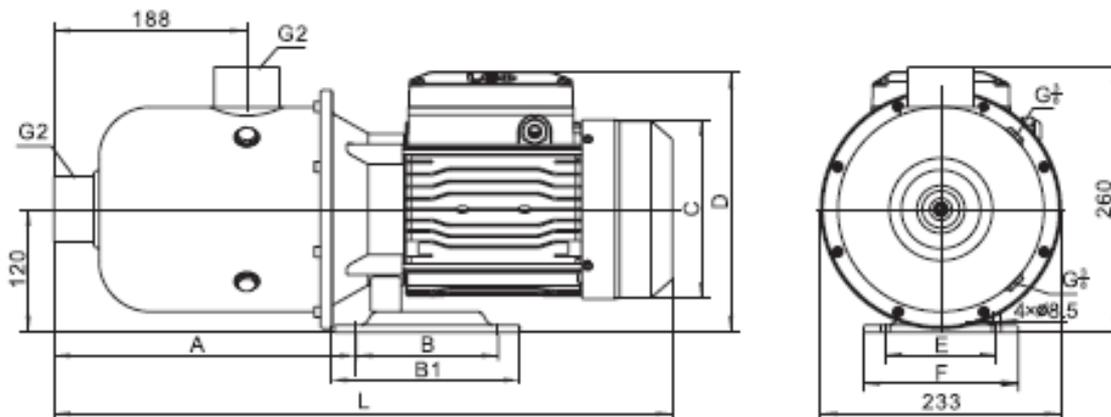
TECHNICAL DATA

Model	Power		Q (m³/h)	0	3	6	9	12	15	18	20	22	25	28	31
	kW	HP	Q (l/min)	0	50	100	150	200	250	300	333	367	417	467	517
EDH(m)20-10	1.1	1.5	H (m)	14.1	13.5	13.1	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		28.1	28	27.2	26.5	25.7	24.5	23.1	22	20.8	18.5	15.9	13.2
EDH20-30	4.0	5.5		42.6	42.2	41.5	41.2	40.3	38.9	36.9	35.3	33.2	30.1	26.3	22



DIMENSIONS

Model	L	A	B	C	D	E	F	G	H	J	K	M	N
EDH(m)20-10	555	295	138	Φ164	245	108	150	188	G2	120	233	260	Φ8.5
EDH(m)20-20	602			Φ173	254								
EDH20-30	618	285	190	Φ194	261	170	200						



PACKAGE INFORMATION

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20' TEU)
EDH(m)20-10	20.6	595	275	302	553
EDH(m)20-20	27	640	275	302	525
EDH20-30	33	660	275	302	497





+27 62 375 5088



+27 65 321 5803



<https://www.thewatersolarcompany.co.za/>



<https://maps.app.goo.gl/MBR2LMW3T6f9TtHV9>



<https://www.facebook.com/watersolarcompany>



<https://www.youtube.com/@TheWaterSolarCompany/>



<https://www.instagram.com/watersolarcompany2023/>