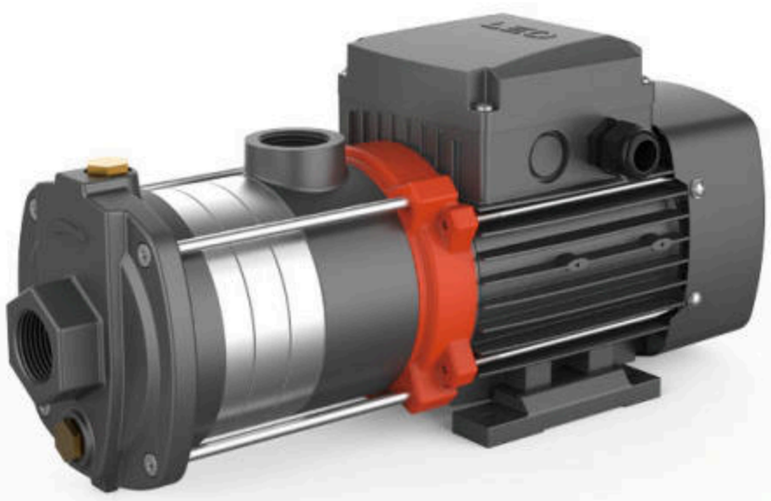
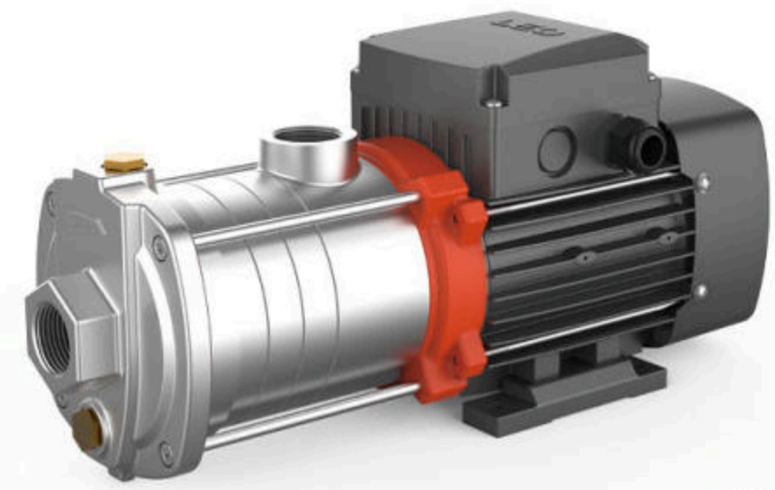
ECH

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
- Enclosures class: IP55
- Max ambient temperature: +40℃

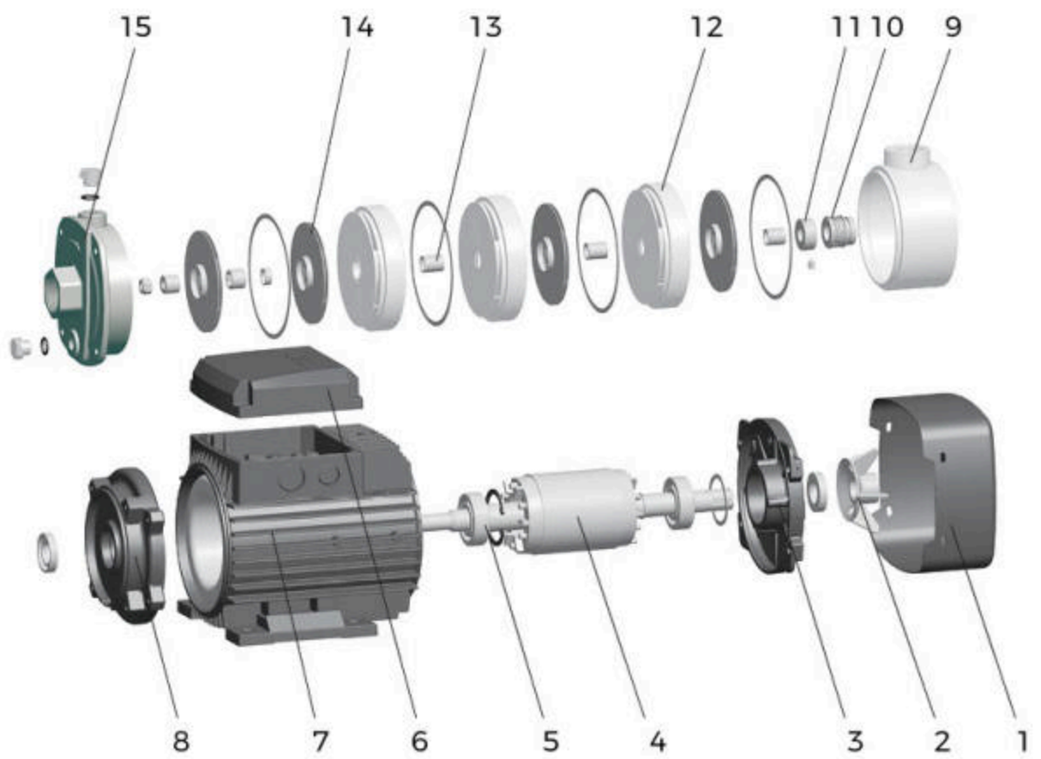
Identification Codes

ECH (m) 2 - 20 (S)

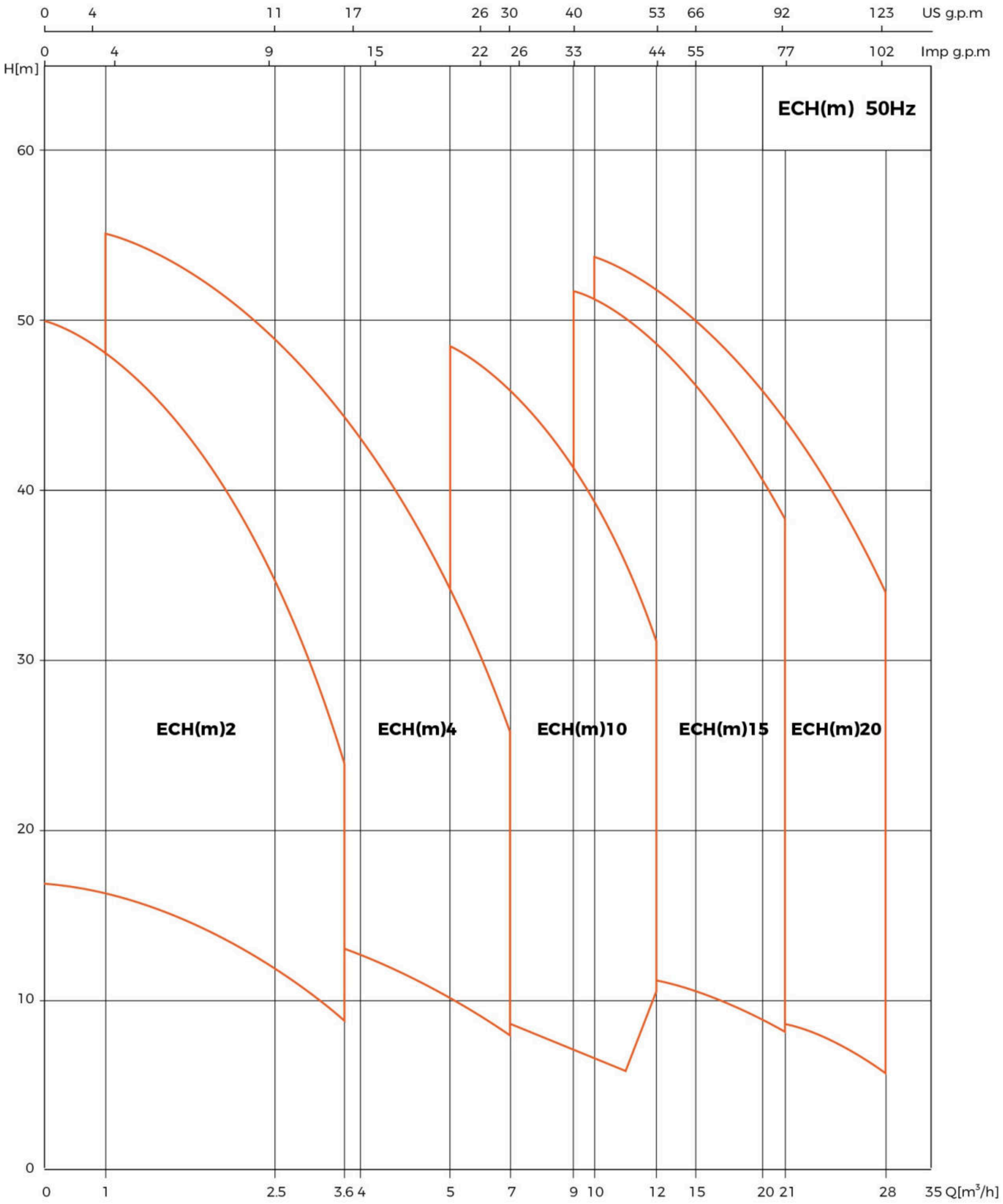
- (S) — Stainless Steel Wetted Parts
- 20 — Impeller Stage x10
- 2 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase without m)
- ECH — Stainless Steel Horizontal Multistage Pump

Material 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



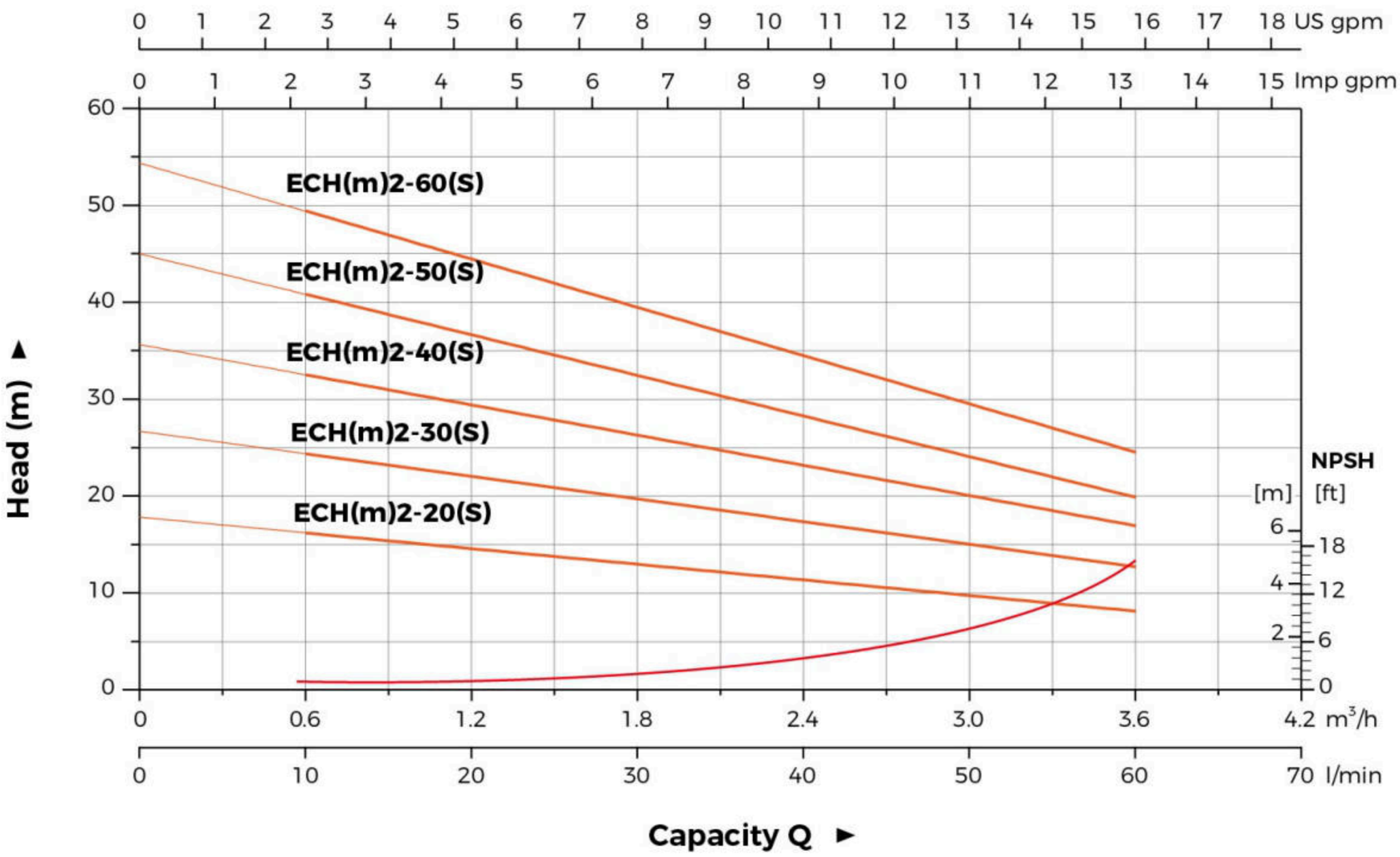
Scope of Performance



ECH

Stainless Steel Horizontal Multistage Pump

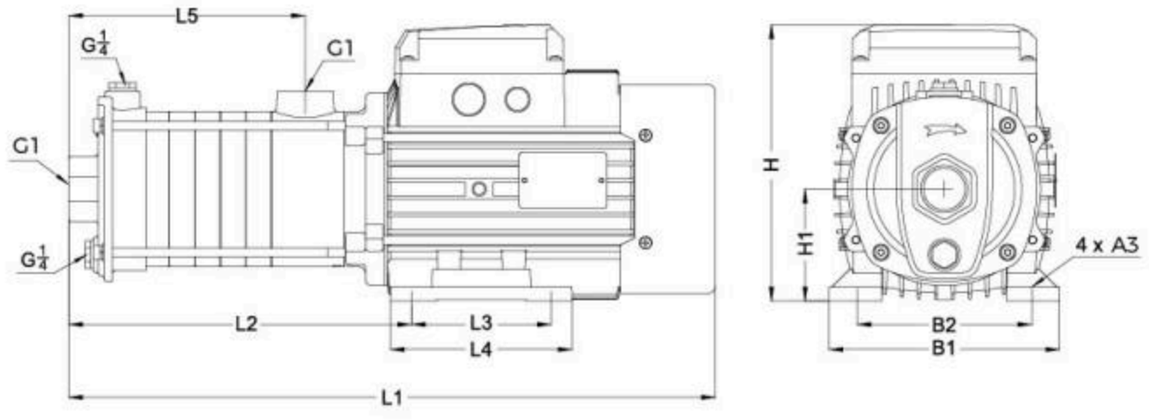
Hydraulic Performance Curves



Technical Data

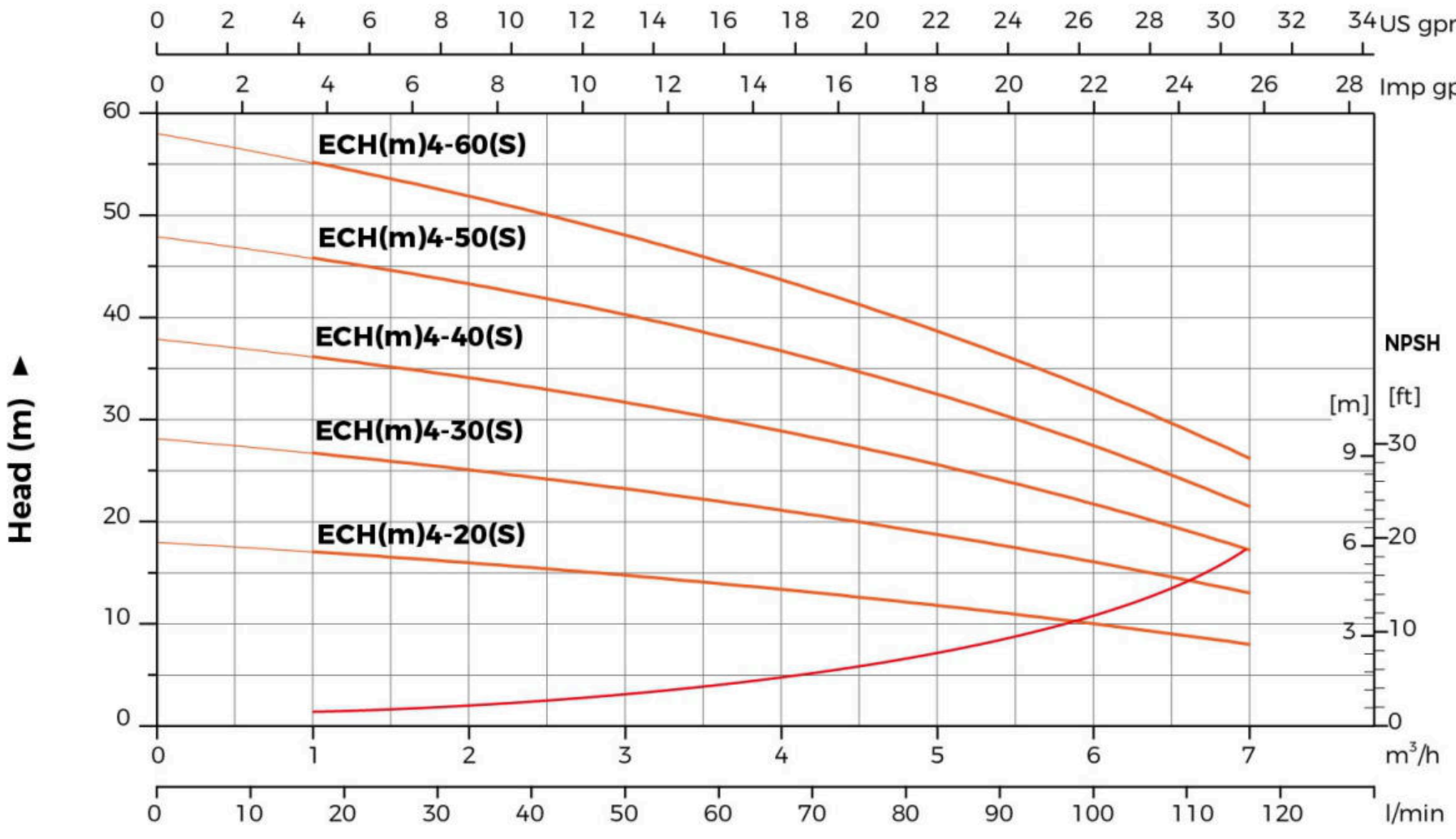
Model	Power		Q(m^3/h)	0.6	1.2	1.8	2.5	3.0	3.6
	kW	HP	Q(l/min)	10	20	30	40	50	60
ECH(m)2-20(S)	0.37	0.5	H (m)	16	15	13	12	10	8
ECH(m)2-30(S)	0.37	0.5		24	22	20	18	16	12
ECH(m)2-40(S)	0.55	0.75		33	30	26	24	21	16
ECH(m)2-50(S)	0.55	0.75		40	37	33	30	24	19
ECH(m)2-60(S)	0.75	1.0		50	45	40	36	30	23

Dimension



Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A3	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
											1~	3~		
ECH(m)2-20(S)	344.5	165.5	90	110	98.5	137	112	176.5	71	Φ7	11.46	10. 96	420x215x222	1215
ECH(m)2-30(S)	362.5	183.5	90	110	116.5	137	112	176.5	71	Φ7	11.82	11.32	420x215x222	1215
ECH(m)2-40(S)	380.5	201.5	90	100	134.5	137	112	176.5	71	Φ7	13.24	12. 77	420x215x222	1215
ECH(m)2-50(S)	399.5	220.5	90	110	153.5	137	112	176.5	71	Φ7	13.69	13.22	455x215x222	1170
ECH(m)2-60(S)	417.5	238.5	90	110	171.5	137	112	176.5	71	Φ7	14.6	14.35	455x215x222	1170

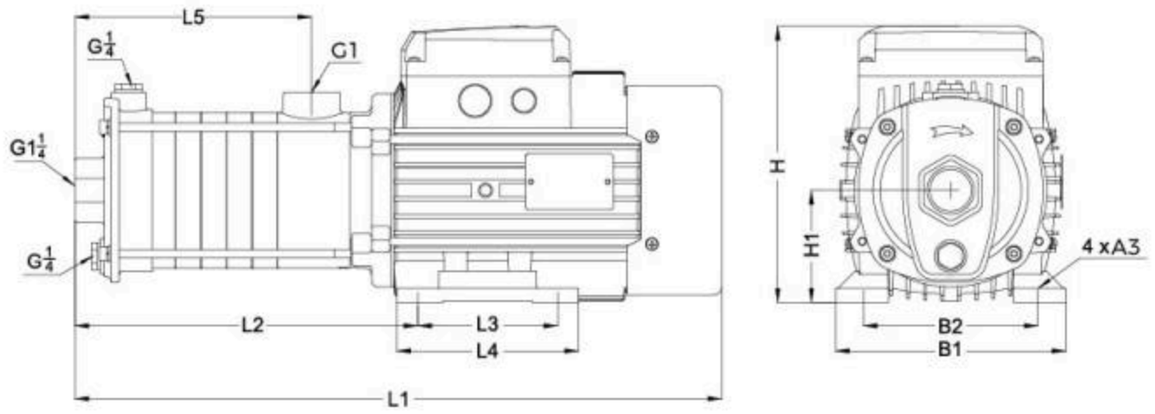
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	1	2	3	4	5	6	7
	kW	HP	Q(l/min)	17	33	50	67	83	100	117
ECH(m)4-20(S)	0.55	0.75	H (m)	17	16	15	13	12	10	8
ECH(m)4-30(S)	0.55	0.75		27	25	23	21	19	16	13
ECH(m)4-40(S)	0.75	1.0		36	34	32	28	26	22	17
ECH(m)4-50(S)	1.1	1.5		46	43	40	36	33	28	21
ECH(m)4-60(S)	1.1	1.5		55	52	48	43	39	33	26

Dimension

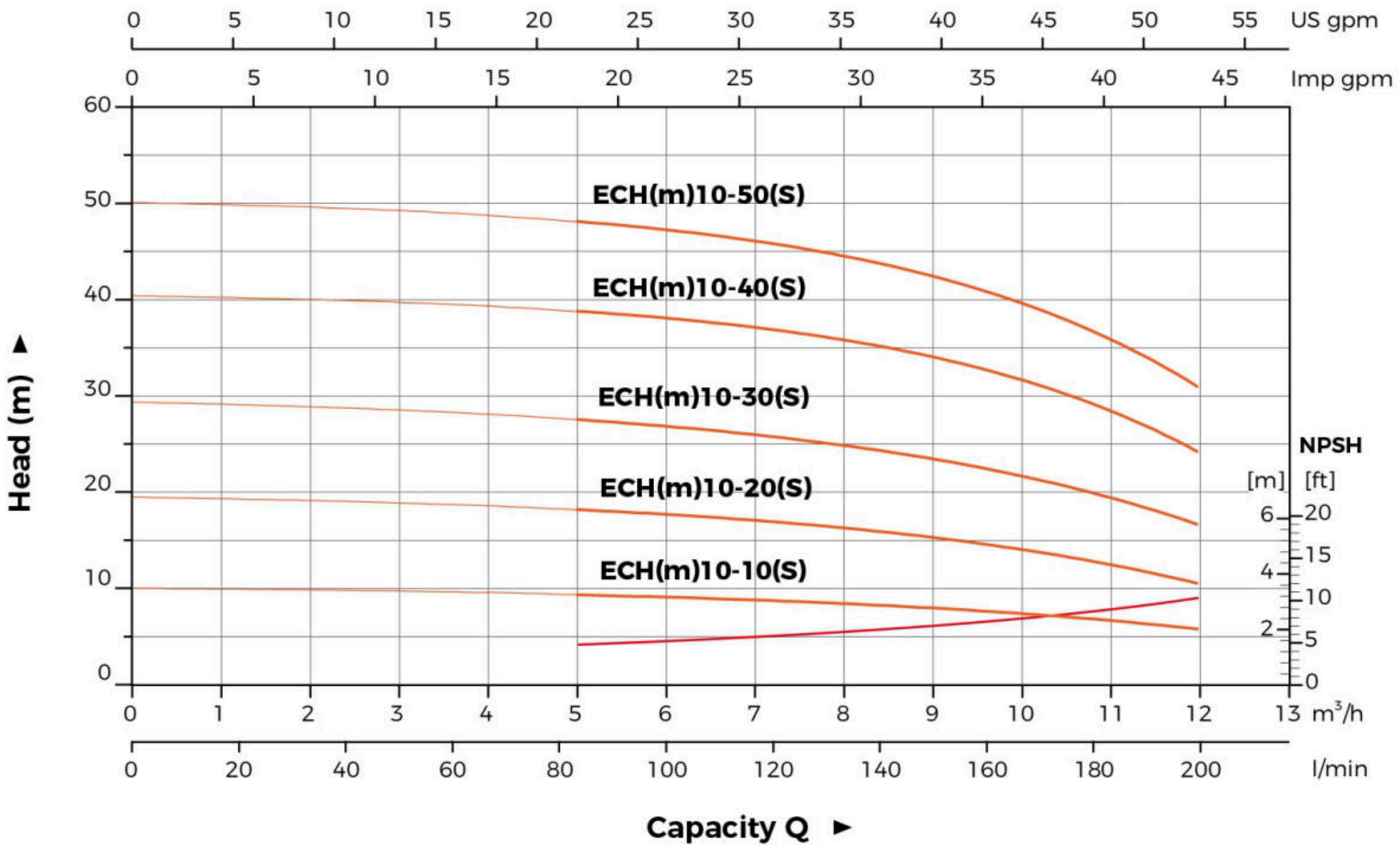


Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A3	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
											1~	3~		
ECH(m)4-20(S)	354	175.5	90	110	108.5	137	112	176.5	71	Φ7	13.1	12.65	420x215x222	1215
ECH(m)4-30(S)	381.5	203	90	110	136	137	112	176.5	71	Φ7	13.58	13.13	420x215x222	1215
ECH(m)4-40(S)	408.5	230	90	110	163	137	112	176.5	71	Φ7	14.75	14.51	455x215x222	1170
ECH(m)4-50(S)	484	266	100	130	190	165	125	204.5	80	Φ10	21.47	19.05	548x235x247	800
ECH(m)4-60(S)	511.5	293.5	100	130	217.5	165	125	204.5	80	Φ10	21.95	19.43	548x235x247	800

ECH

Stainless Steel Horizontal Multistage Pump

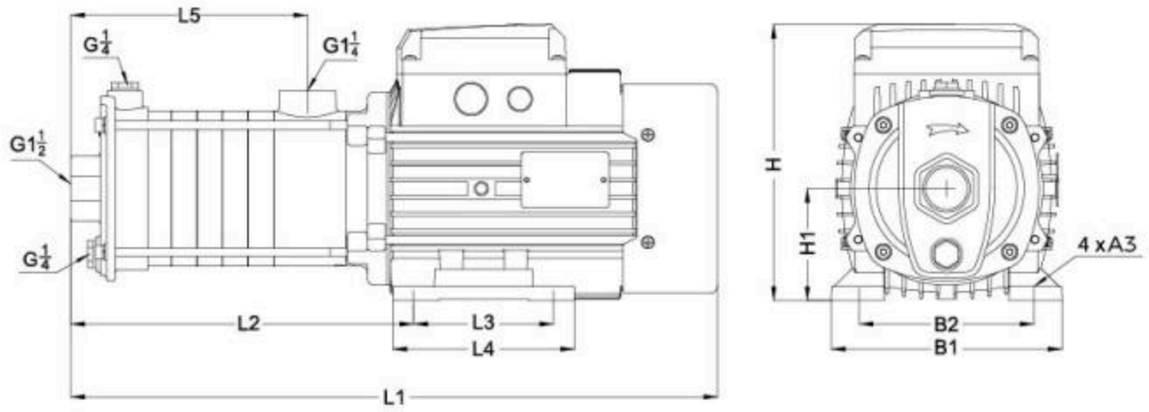
Hydraulic Performance Curves



Technical Data

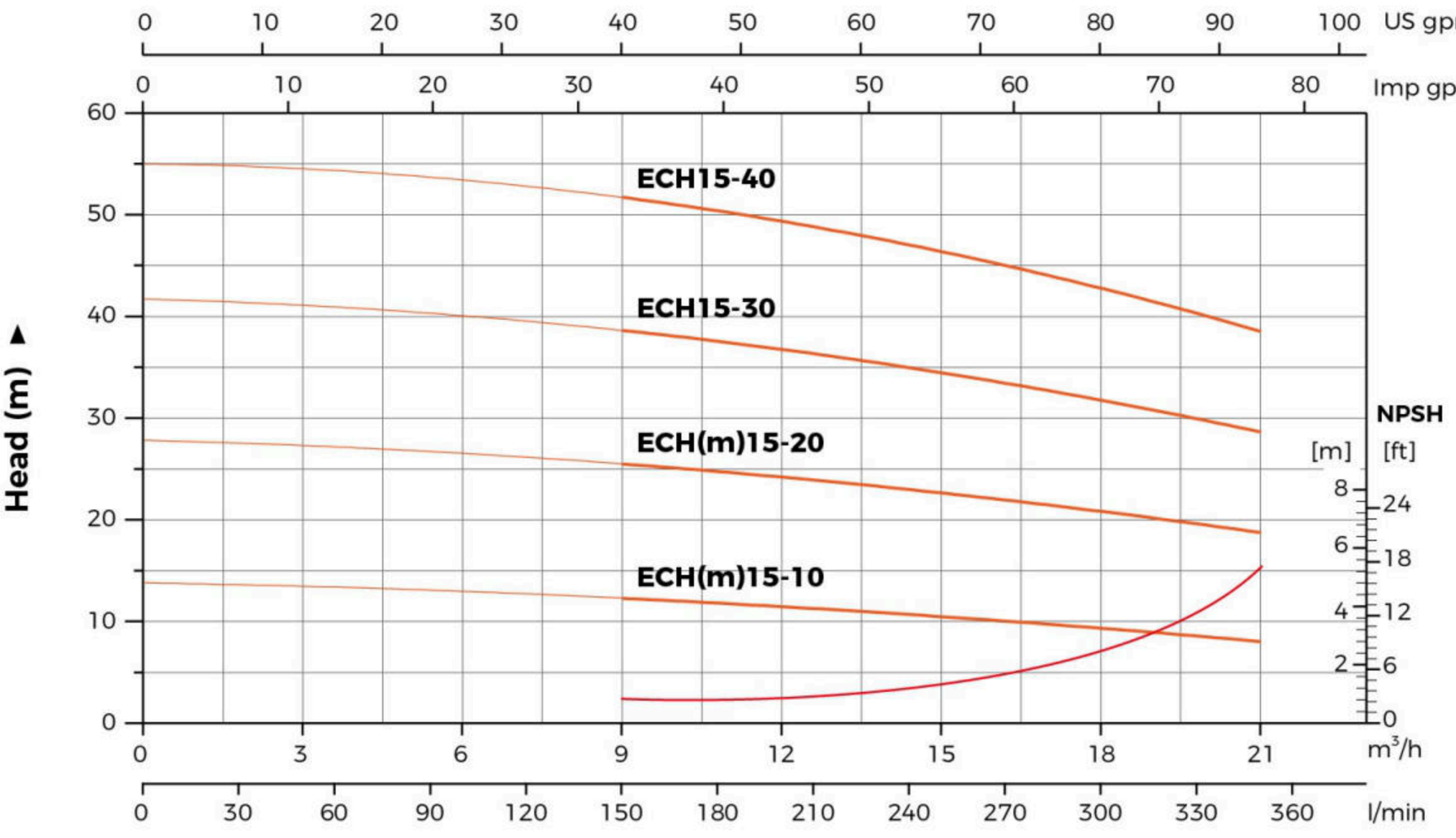
Model	Power		Q(m³/h)	6	7	8	9	10	11	12
	kW	HP	Q(l/min)	100	117	133	150	167	183	200
ECH(m)10-10(S)	0.75	1.0	H (m)	9.1	8.7	8.2	7.7	6.8	5.8	5.1
ECH(m)10-20(S)	0.75	1.0		17.9	17.1	16.3	15.3	14	12.5	10.6
ECH(m)10-30(S)	1.1	1.5		27.1	26.3	24.9	23.4	21.4	19.3	16.9
ECH(m)10-40(S)	1.5	2.0		38.6	37.6	35.9	33.9	31.2	28.2	24.6
ECH(m)10-50(S)	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	A3	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
											1~	3~		
ECH(m)10-10(S)	430	212	100	130	121	165	125	204.5	80	Φ10	20.75	18.15	503x235x247	856
ECH(m)10-20(S)	430	212	100	130	121	165	125	204.5	80	Φ10	20.85	18.25	503x235x247	856
ECH(m)10-30(S)	460.5	242.5	100	130	151.5	165	125	204.5	80	Φ10	21.95	20.56	503x235x247	856
ECH(m)10-40(S)	549.5	261.5	125	150	182	180	140	217.5	90	Φ10	28.25	27.9	618x245x262	653
ECH(m)10-50(S)	579.5	291.5	125	150	212	180	140	217.5	90	Φ10	30.6	30.42	618x245x262	653

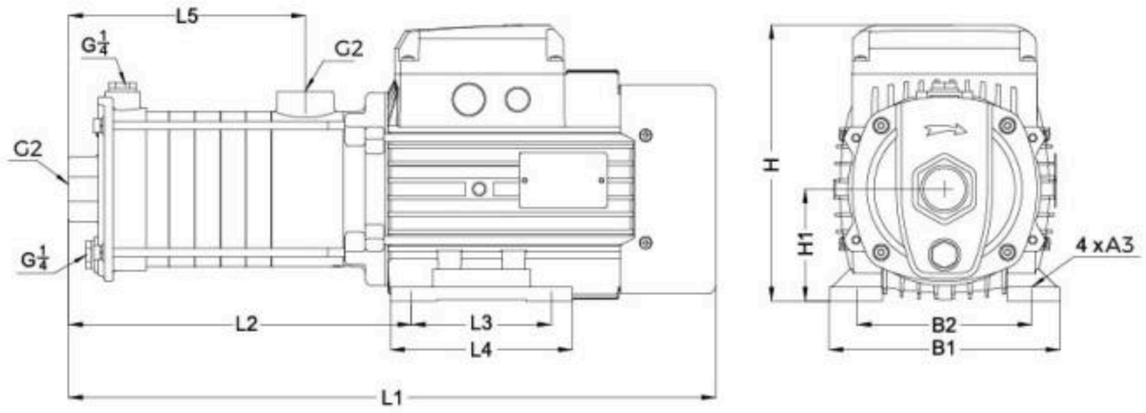
Hydraulic Performance Curves



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	3.0		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

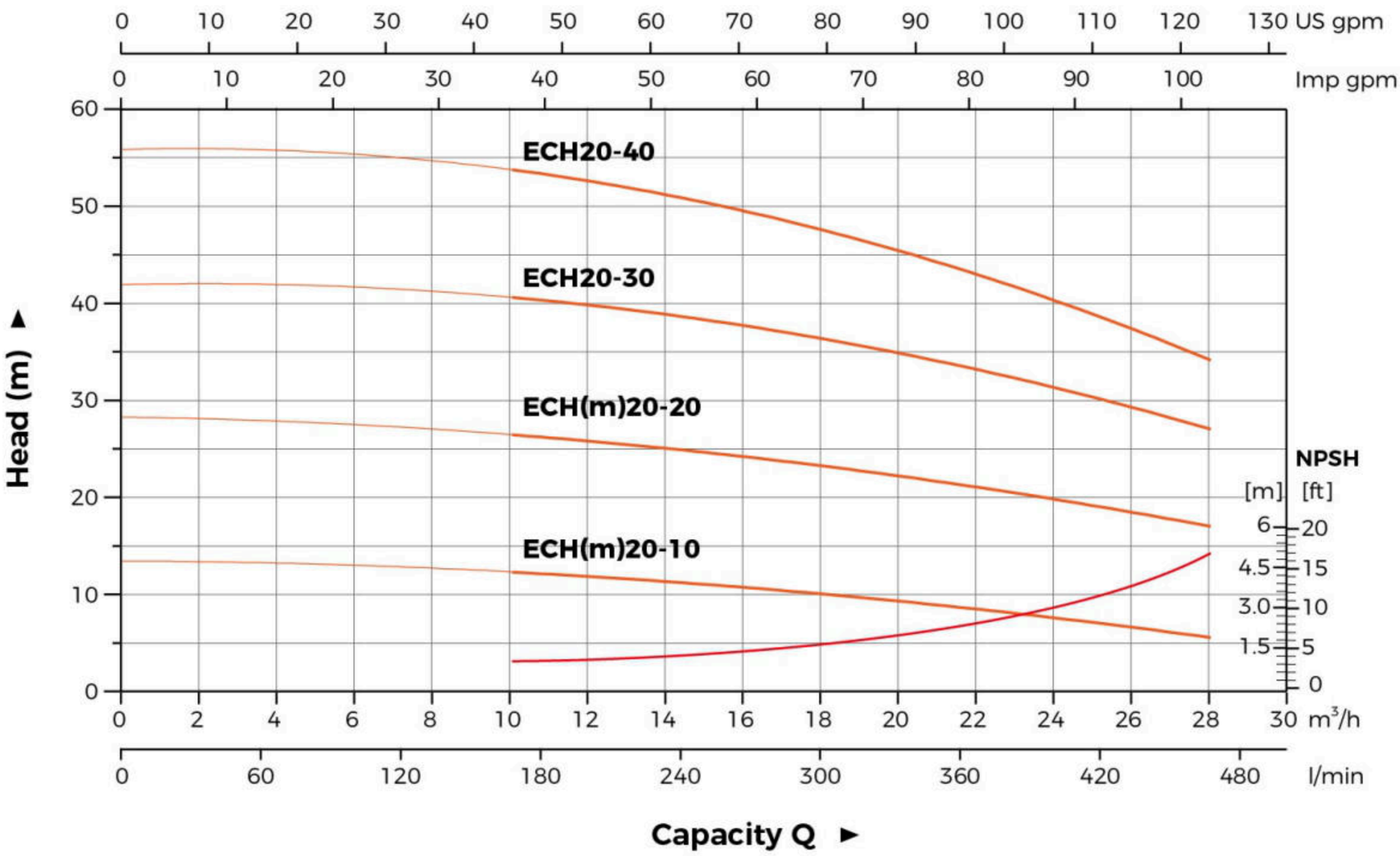


Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A3	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
											1~	3~		
ECH(m)15-10	451	233.5	100	130	139.5	165	125	204.5	80	Φ10	22.67	20.27	503x235x247	856
ECH(m)15-20	510	222	125	150	139.5	180	140	217.5	90	Φ10	30.31	29.62	557x245x262	659
ECH15-30	560	272	125	150	184.5	180	140	217.5	90	Φ10	/	32.22	618x245x262	620
ECH15-40	616	336.5	140	180	230	205	160	224.5	100	Φ12	/	39.61	687x245x269	504

ECH

Stainless Steel Horizontal Multistage Pump

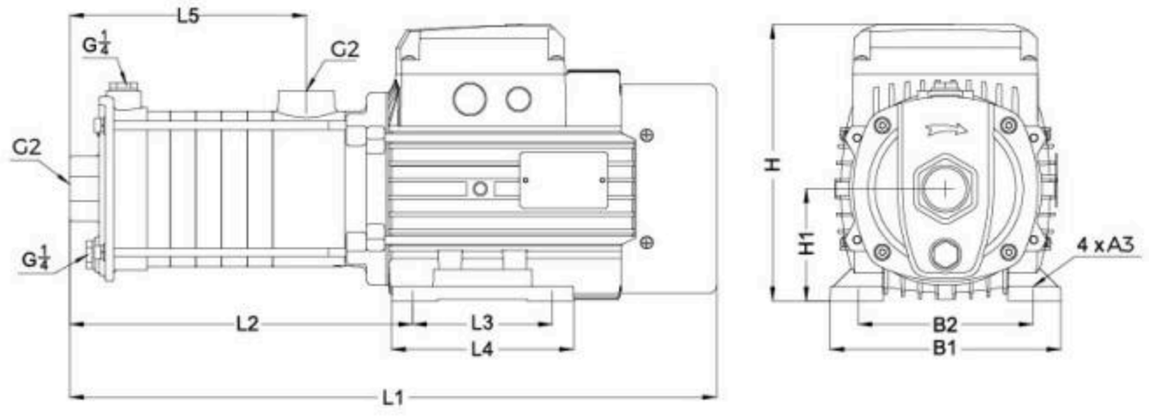
Hydraulic Performance Curves



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

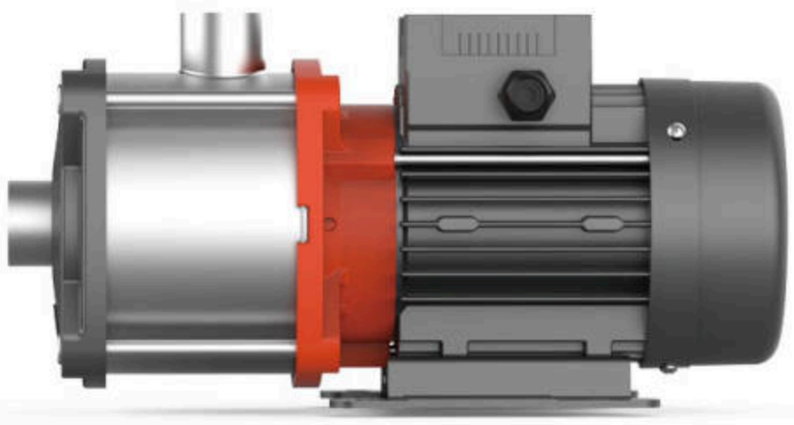
Dimension

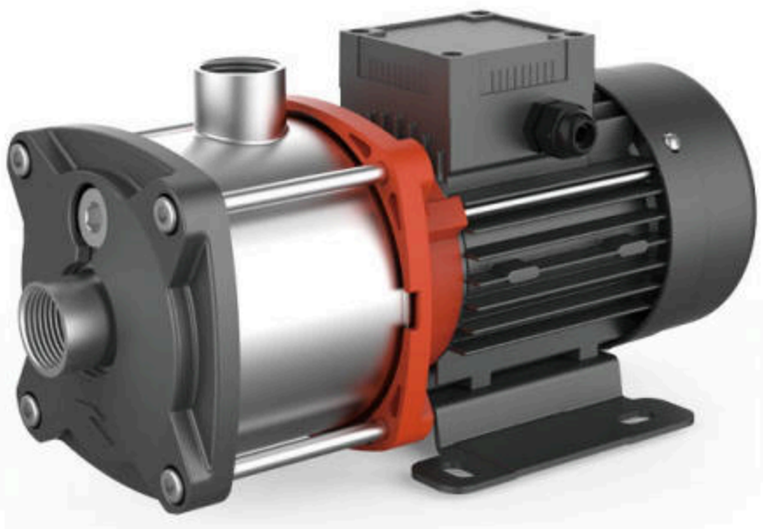


Model	L1	L2	L3	L4	L5	B1	B2	H	H1	A3	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
											1~	3~		
ECH(m)20-10	451	233.5	100	130	139.5	165	125	204.5	80	Φ10	22.67	20.27	503x235x247	856
ECH(m)20-20	510	222	125	150	139.5	180	140	217.5	90	Φ10	30.31	29.62	557x245x262	659
ECH20-30	570.5	291	140	180	184.5	205	160	224.5	100	Φ12	/	38.94	687x245x269	513
ECH20-40	616	336.5	140	180	230	205	160	224.5	100	Φ12	/	39.61	687x245x269	504

EMH

Stainless Steel Horizontal Multistage Pump





Application

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

Pump

- AISI304 welding shaft
- Max. liquid temperature: +60℃
- Altitude: up to 1000 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
- Enclosures class: IP55
- Max. ambient temperature: +40℃

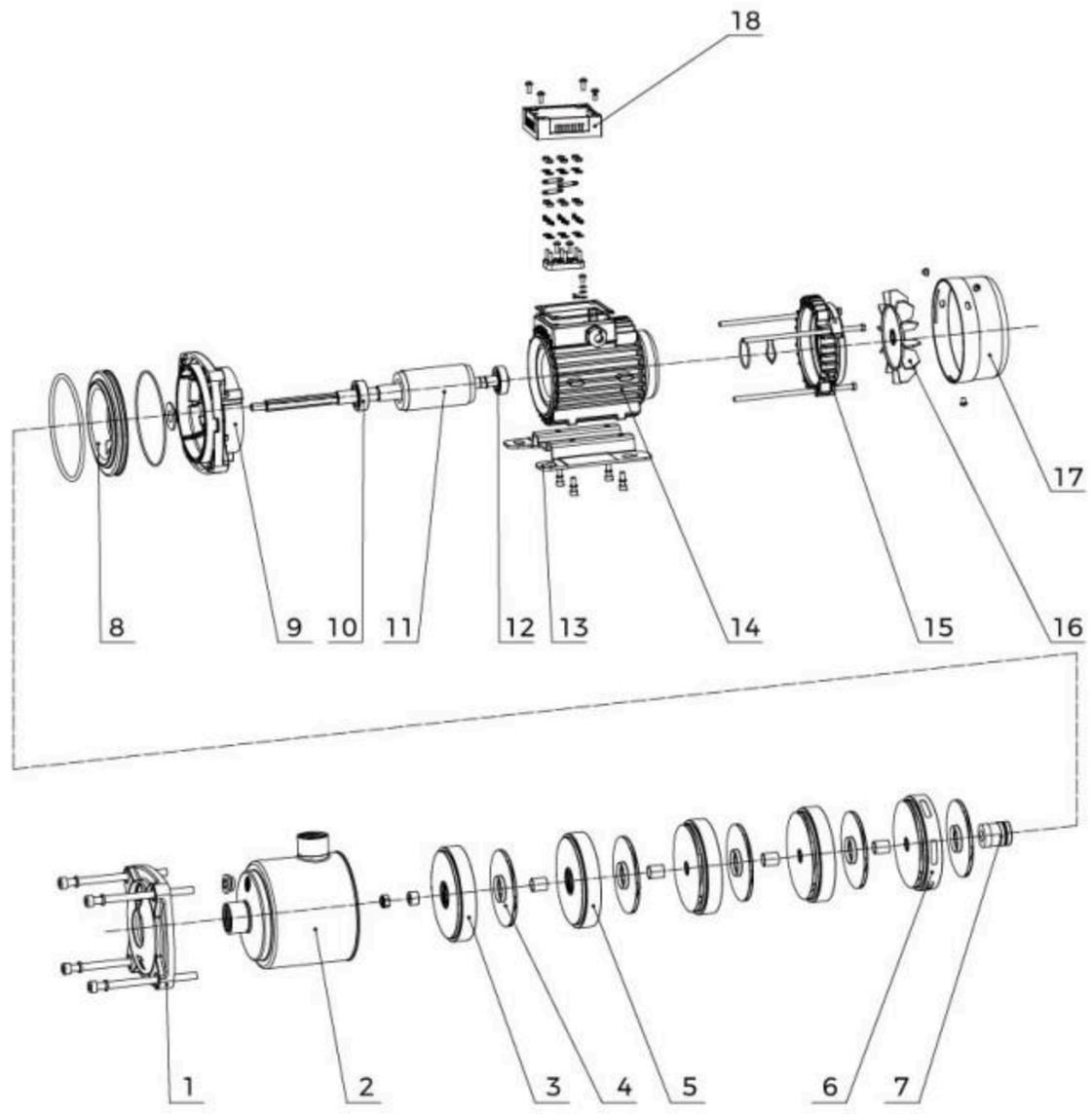
Identification Codes

EMH (m) 8 - 3 \ 1

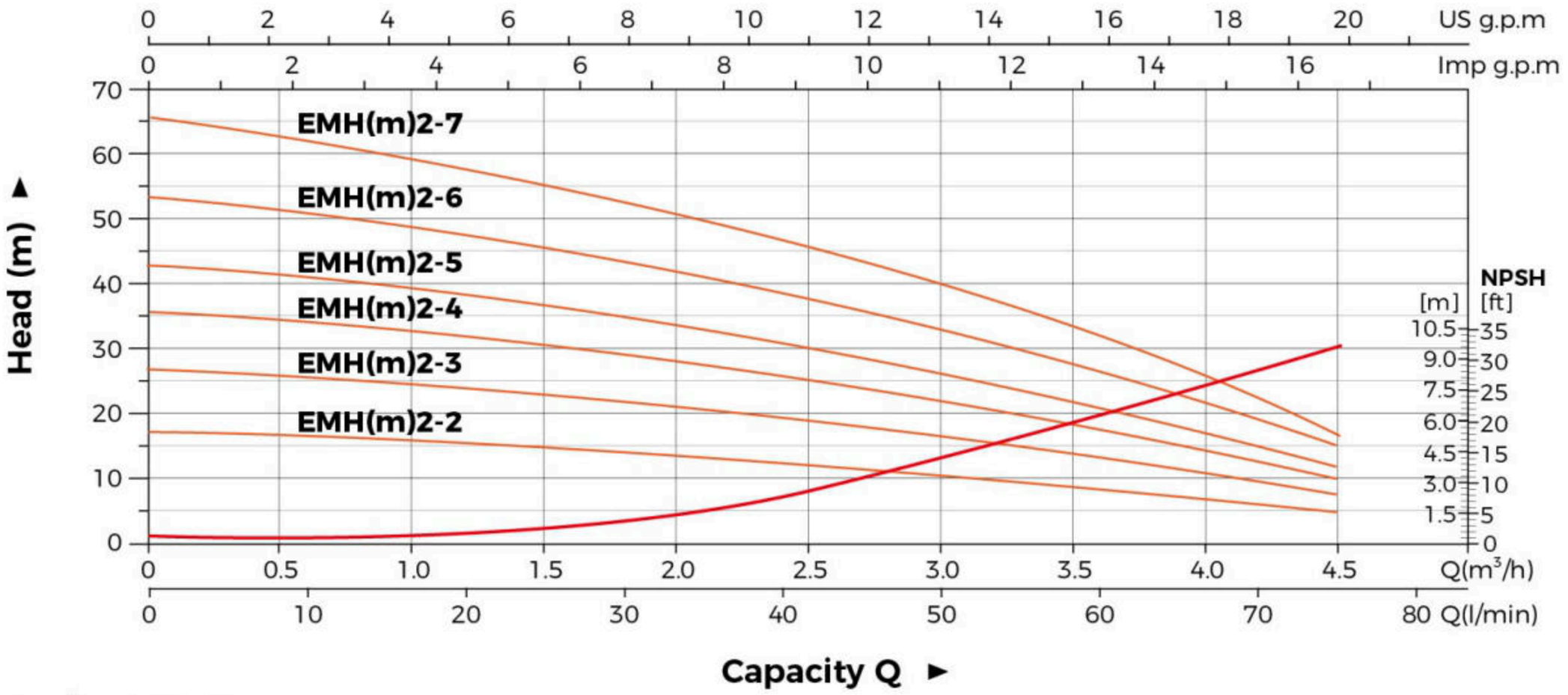
- 1 — Small Impeller Stage
- 3 — Impeller Stage
- 8 — Rated Flow (m^3/h)
- (m) — Single Phase (Three-phase model without m)
- EMH — Stainless Steel Horizontal Multistage Pump

Material Table

No.	Part	Material
1	Pump cover	ADC 12
2	Pump body	AISI 304
3	Primary diffuser	AISI 304
4	Impeller	AISI 304
5	Intermediate diffuser	AISI 304
6	Final diffuser	AISI 304
7	Mechanical seal	SiC/Carbon
8	Seal seat	
9	Bracket	ADC 12
10	Front bearing	
11	Rotor	
12	Rear bearing	
13	Base plate	Q235 Steel
14	Stator	
15	Rear cover	ADC 12
16	Fan	PP
17	Fan cover	PP
18	Terminal box	



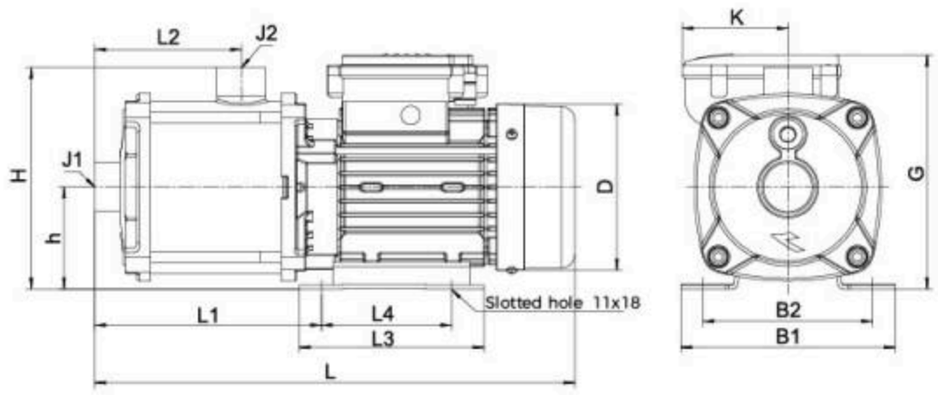
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	1	1.5	2	2.5	3	3.5	4	4.5
	kW	HP	Q(l/min)	0	16.7	25	33.3	41.7	50	58.3	66.7	75
EMH(m)2-2	0.25	0.33	H (m)	17	16	14.5	13.5	12	10.5	8.5	7	4.5
EMH(m)2-3	0.37	0.5		27	24.5	23	20.5	19	17	14	11	7
EMH(m)2-4	0.37	0.5		36	33	31	27.5	25.5	22.5	19	14.5	9.5
EMH(m)2-5	0.55	0.75		44	40	37	33.5	30.5	27	22.5	17	11
EMH(m)2-6	0.75	1.0		54	49.5	46	41.5	38.5	34	29	21.5	15
EMH(m)2-7	0.75	1.0		65.5	59.5	55.5	51	46	41	34	26	16.5

Dimension



Model	L	L1	L2	L3	L4	H	h	B1	B2	D	G	K	J1/J2
											3~/1~	3~/1~	
EMH(m)2-2	305	131	72	136	96	163	75	158	125	122	163/172.5	/89	G1/G1
EMH(m)2-3													
EMH(m)2-4	323	149	90										
EMH(m)2-5	354	167	108										
EMH(m)2-6	382	185	126							146.5	172/182.5		
EMH(m)2-7	400	203	144										

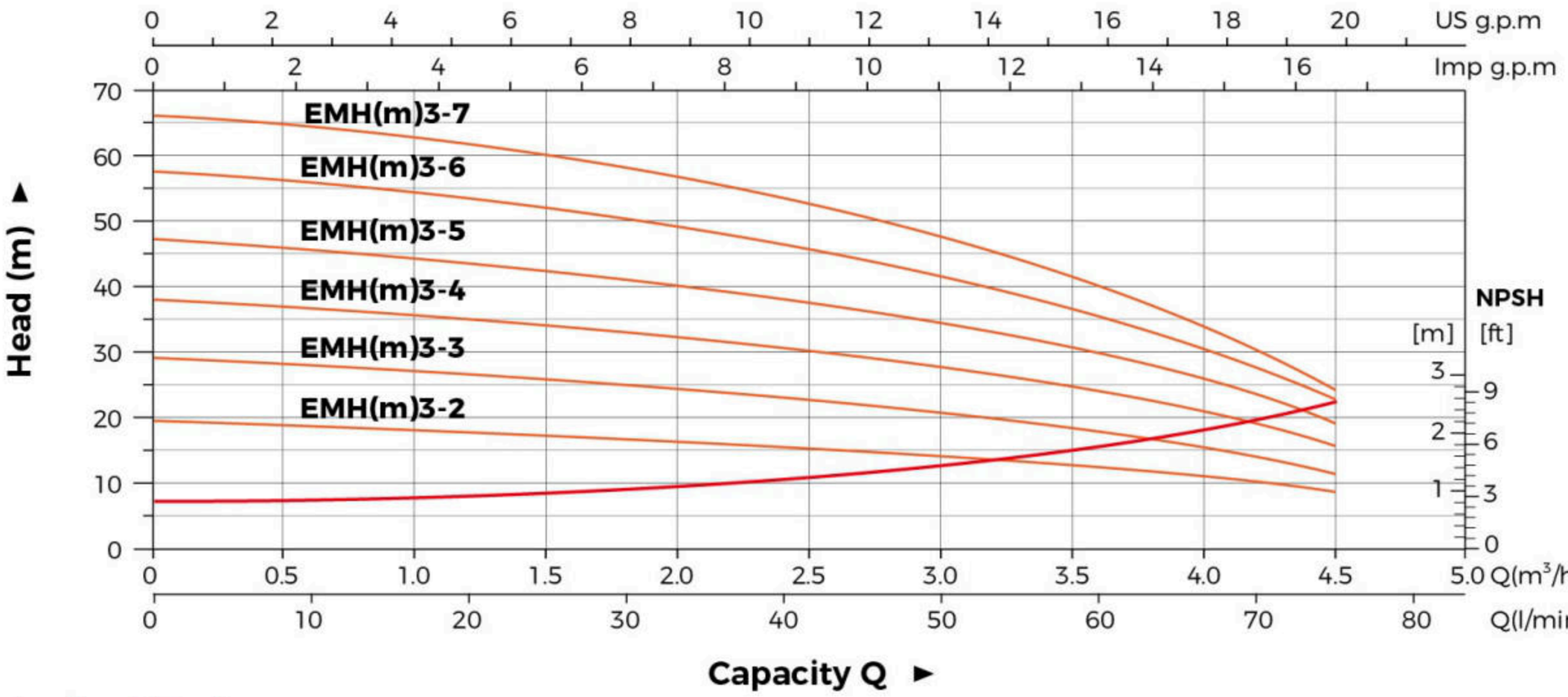
Package Information

Model	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
	3~	1~		
EMH(m)2-2	7.2	8.1	344x189x211	1638
EMH(m)2-3	7.6	8.3	344x189x211	1638
EMH(m)2-4	7.7	9.7	362x189x211	1530
EMH(m)2-5	8.8	10.3	392x189x211	1458
EMH(m)2-6	11.4	12.4	420x214x226	1064
EMH(m)2-7	11.6	12.8	438x214x226	928

EMH

Stainless Steel Horizontal Multistage Pump

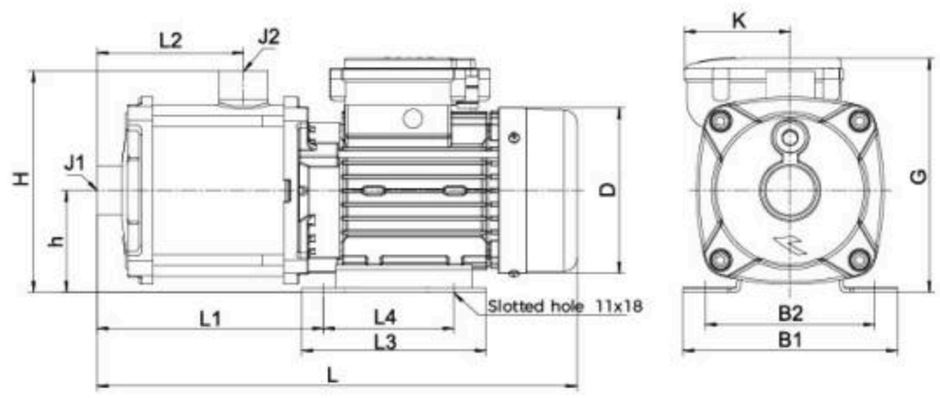
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	1	1.5	2	2.5	3	3.5	4	4.5
	kW	HP	Q(l/min)	0	16.7	25	33.3	41.7	50	58.3	66.7	75
EMH(m)3-2	0.25	0.33		19.5	18	17.5	16.5	15	14.5	13	11	9
EMH(m)3-3	0.37	0.5		29	26	25.5	24.5	23	21	18	16	12
EMH(m)3-4	0.55	0.75	H	38	35.5	34	32	30.5	28	25	21	16
EMH(m)3-5	0.55	0.75	(m)	47.5	44.5	42.5	40	37.5	35	29	24	19
EMH(m)3-6	0.75	1.0		57.5	53.5	52	49	45	42	35	31	23
EMH(m)3-7	0.85	1.15		66	62	59	55.5	52	48.5	42	33	24

Dimension

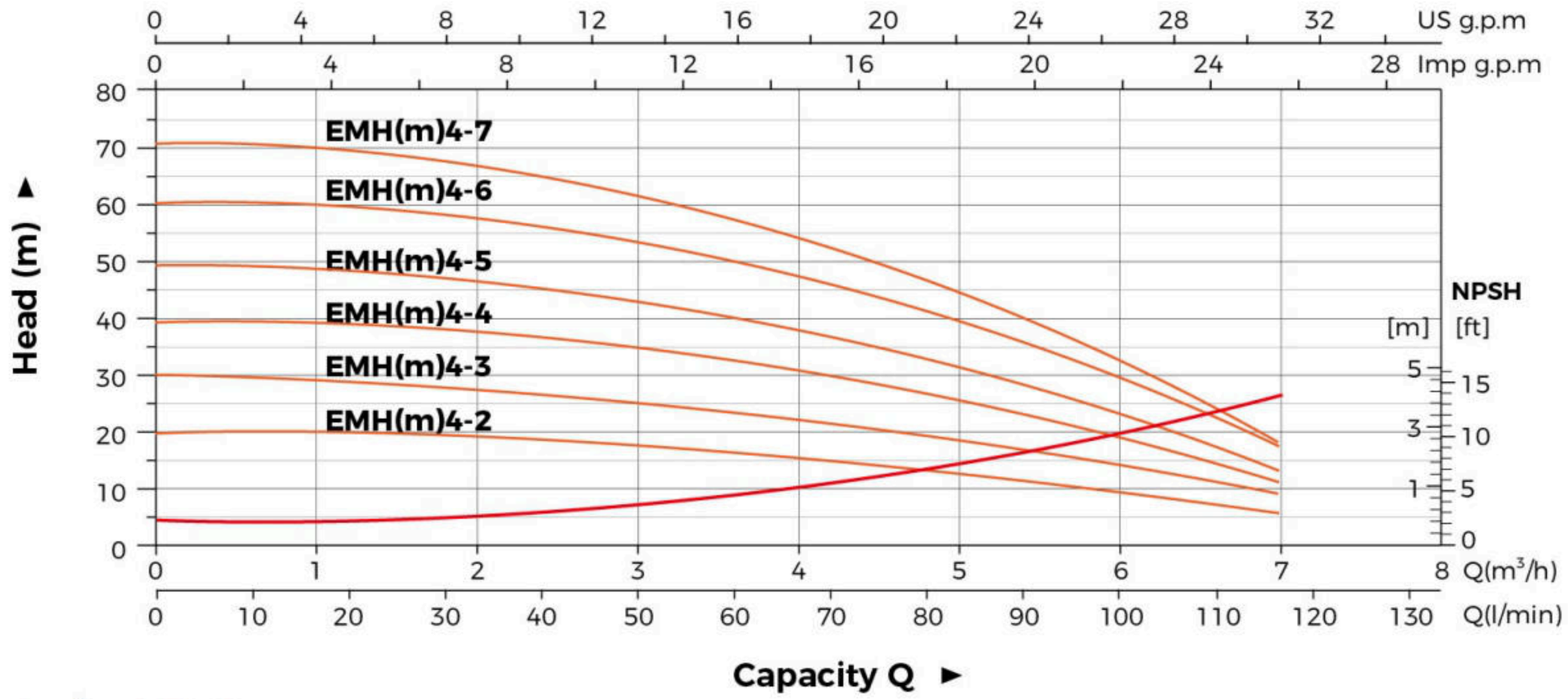


Model	L	L1	L2	L3	L4	H	h	B1	B2	D	G	K	J1/J2
											3~/1~	3~/1~	
EMH(m)3-2	305	131	72	136	96	163	75	158	125	122	163/172.5	/89	G1/G1
EMH(m)3-3												/78	
EMH(m)3-4	336	149	90									/89	
EMH(m)3-5	354	167	108										
EMH(m)3-6	382	185	126							146.5	172/182.5		
EMH(m)3-7	400	203	144										

Package Information

Model	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
	3~	1~		
EMH(m)3-2	6.9	7.5	344x189x211	1638
EMH(m)3-3	7.9	7.9	344x189x211	1638
EMH(m)3-4	8.5	9.1	374x189x211	1485
EMH(m)3-5	9.3	10.4	392x189x211	1458
EMH(m)3-6	11.3	11.7	420x214x226	1064
EMH(m)3-7	11.6	12.8	438x214x226	928

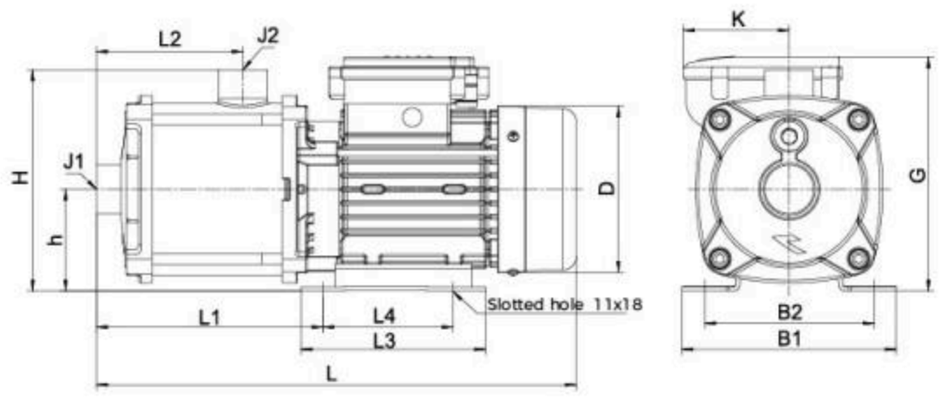
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	1	2	3	4	4.5	5	6	7
	kW	HP	Q(l/min)	0	16.7	33.3	50	67	75	83	100	117
EMH(m)4-2	0.37	0.5	H (m)	20	19.5	18.5	17	15.5	14.5	13	9.5	5
EMH(m)4-3	0.55	0.75		30	29	27	25	22.5	21	18.5	13	10
EMH(m)4-4	0.75	1.0		40	38.5	36.5	34.5	30.5	29	26	19	10
EMH(m)4-5	0.75	1.0		50	47.5	45.5	42.5	37.5	35.5	32	23	12
EMH(m)4-6	1.1	1.5		61.5	59	56	53	47.5	45	41	30.5	17
EMH(m)4-7	1.3	1.75		72	68	64.5	60.5	55	50.5	45.5	32	17

Dimension



Model	L	L1	L2	L3	L4	H	h	B1	B2	D	G	K	J1/J2
											3~/1~	3~/1~	
EMH(m)4-2	308.5	134	75	136	96	163	75	158	125	122	163/172.5	/89	G1¹/₄/G1
EMH(m)4-3	321												
EMH(m)4-4	349	152	93							146.5	172/182.5		
EMH(m)4-5	367	170	111										
EMH(m)4-6	411	188	129	155	125	178	90	178	140	167	203/212	/105.5	
EMH(m)4-7	429	206	147										

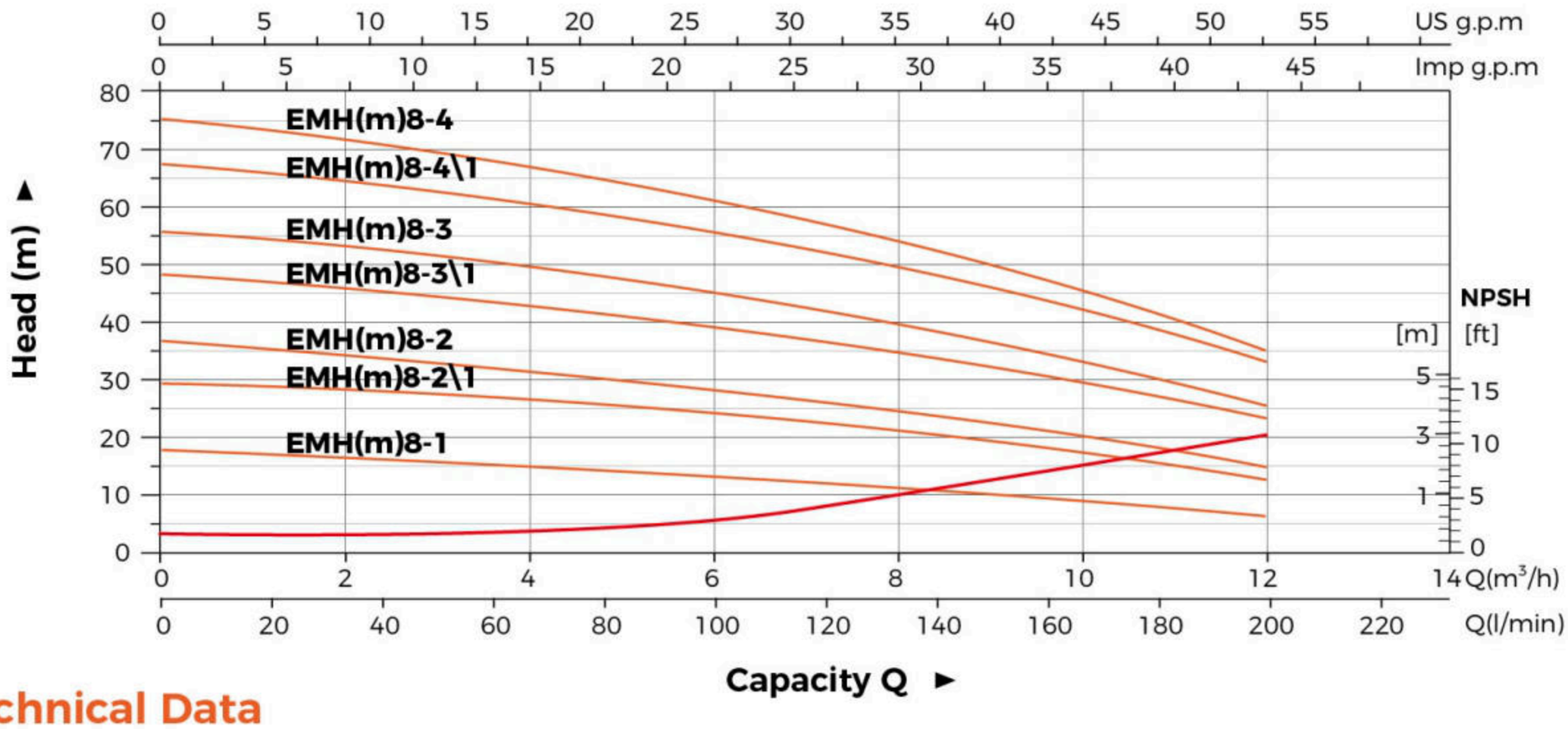
Package Information

Model	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
	3~	1~		
EMH(m)4-2	7.5	8.0	344x189x211	1638
EMH(m)4-3	8.0	8.7	357x189x211	1530
EMH(m)4-4	9.9	11	384x214x226	1136
EMH(m)4-5	10.8	12.2	402x214x226	1104
EMH(m)4-6	13.1	16.5	446x244x251	864
EMH(m)4-7	13.4	16.8	464x244x251	840

EMH

Stainless Steel Horizontal Multistage Pump

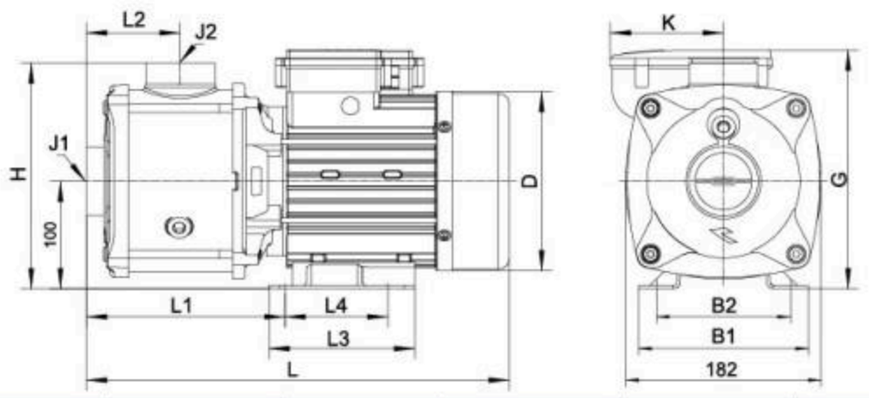
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	2	4	5	6	7	8	9	10	12
	kW	HP	Q(l/min)	0	33.3	67	83	100	117	134	150	166	200
EMH(m)8-1	0.55	0.75	H (m)	18	16.5	15.5	15	13.5	13	11.5	10.5	9	6.5
EMH(m)8-2\1	1.0	1.36		29.5	27.5	26	25	24	23	21.5	19	18	13
EMH(m)8-2	1.0	1.36		37	34	31.5	30	28	26	24.5	22.5	20	15
EMH(m)8-3\1	1.5	2.0		48.5	45.5	44	42	40	38	35	33	30	23.5
EMH(m)8-3	1.85	2.5		56	53.5	50	47.5	45.5	42.5	40	37	33	25.5
EMH(m)8-4\1	2.2	3.0		67.5	63	60.5	58.5	55.5	53	49.5	46.5	42	33
EMH(m)8-4	2.2	3.0		75.5	71.5	68	64.5	62	58	54	50.5	46	35

Dimension



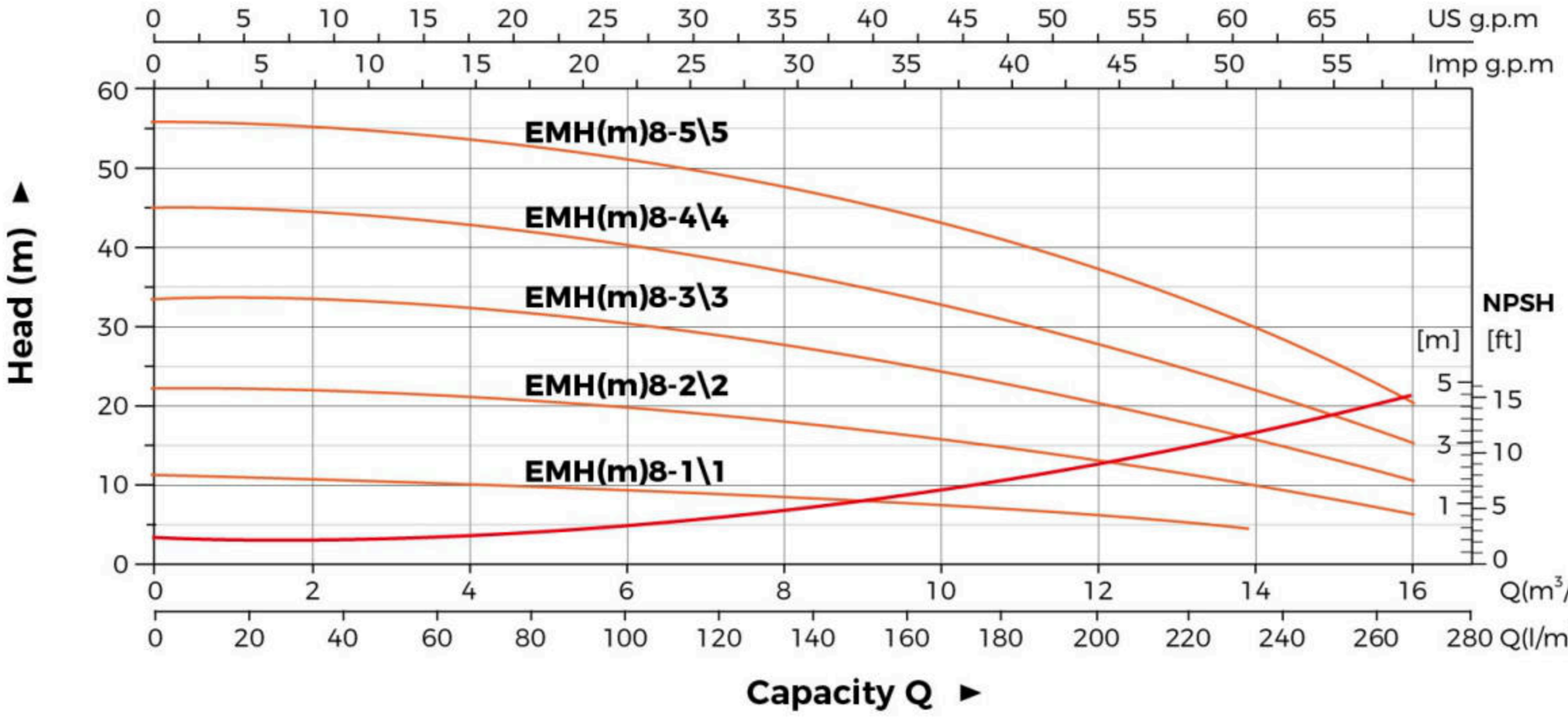
Inside "()" is the size of single-phase motor

Model	L	L1	L2	L3	L4	B1	B2	D	G	K	H	J1/J2
									3~/1~	3~/1~		
EMH(m)8-1	378	186	102.5	132	96	158	125	146.5	196/207.5	/89	210	G1¹/₂/G1¹/₂
EMH(m)8-2\1												
EMH(m)8-2												
EMH(m)8-3\1	410	200	102.5	136	96	158	125	167	213/222	/105.5		
EMH(m)8-3	410(470)			136(170)	96(140)	158(200)	125(160)	167(175)	213/237	/107		
EMH(m)8-4\1	440(500)	230	132.5									
EMH(m)8-4												

Package Information

Model	GW(Kgs)		L x W x H(mm)		Quantity(PCS/20'TEU)	
	3~	1~	3~	1~	3~	1~
EMH(m)8-1	11.5	12.5	423x234x256		847	
EMH(m)8-2\1	13.0	14.5	423x234x256		847	
EMH(m)8-2	14.0	14.5	423x234x256		847	
EMH(m)8-3\1	16.5	19.0	455x244x266		742	
EMH(m)8-3	17.5	22.5	455x244x266	515x244x276	742	644
EMH(m)8-4\1	20.0	24.0	485x244x266	545x244x276	644	623
EMH(m)8-4	20.0	25.0	485x244x266	545x244x276	644	623

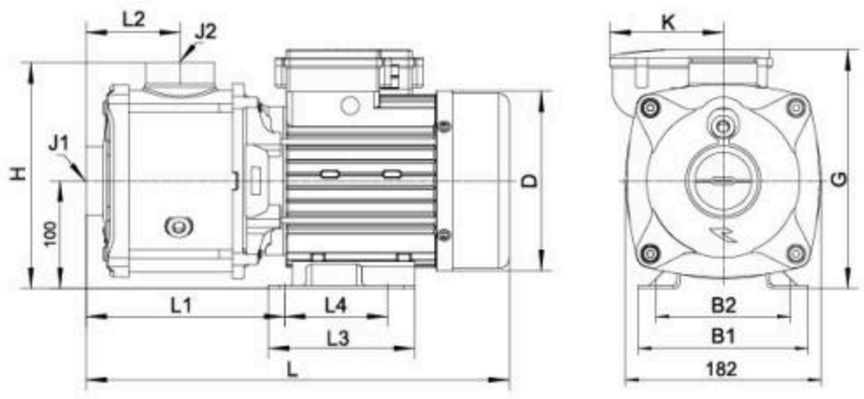
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	2	4	6	8	10	12	14	16
	kW	HP	Q(l/min)	0	33.3	67	100	134	166	200	233	268
EMH(m)8-1\1	0.55	0.75	H (m)	11	10.5	10	9.5	8.5	7.5	6.5	4.5	-
EMH(m)8-2\2	0.75	1.0		22	21	20.5	19.5	18	16	13	9.5	6.5
EMH(m)8-3\3	1.3	1.75		33.5	33	32	30	28	25	20	15.5	11
EMH(m)8-4\4	1.5	2.0		45	43.5	42.5	40.5	37.5	33	27.5	22	15.5
EMH(m)8-5\5	2.2	3.0		56	55	53.5	52	48	42.5	37.5	29	20.5

Dimension



Inside "()" is the size of single-phase motor

Model	L	L1	L2	L3	L4	B1	B2	D	G	K	H	J1/J2
									3~/1~	3~/1~		
EMH(m)8-1\1	378	186	102.5	132	96	158	125	146.5	196/207.5	/89	210	$G1^1/_2$/$G1^1/_2$
EMH(m)8-2\2												
EMH(m)8-3\3	410	200	102.5	136	96	158	125	167	213/222	/105.5		
EMH(m)8-4\4	440	230	132.5									
EMH(m)8-5\5	470(530)	260	162.5	136(170)	96(140)	158(200)	125(160)	167(175)	213/237	/107		

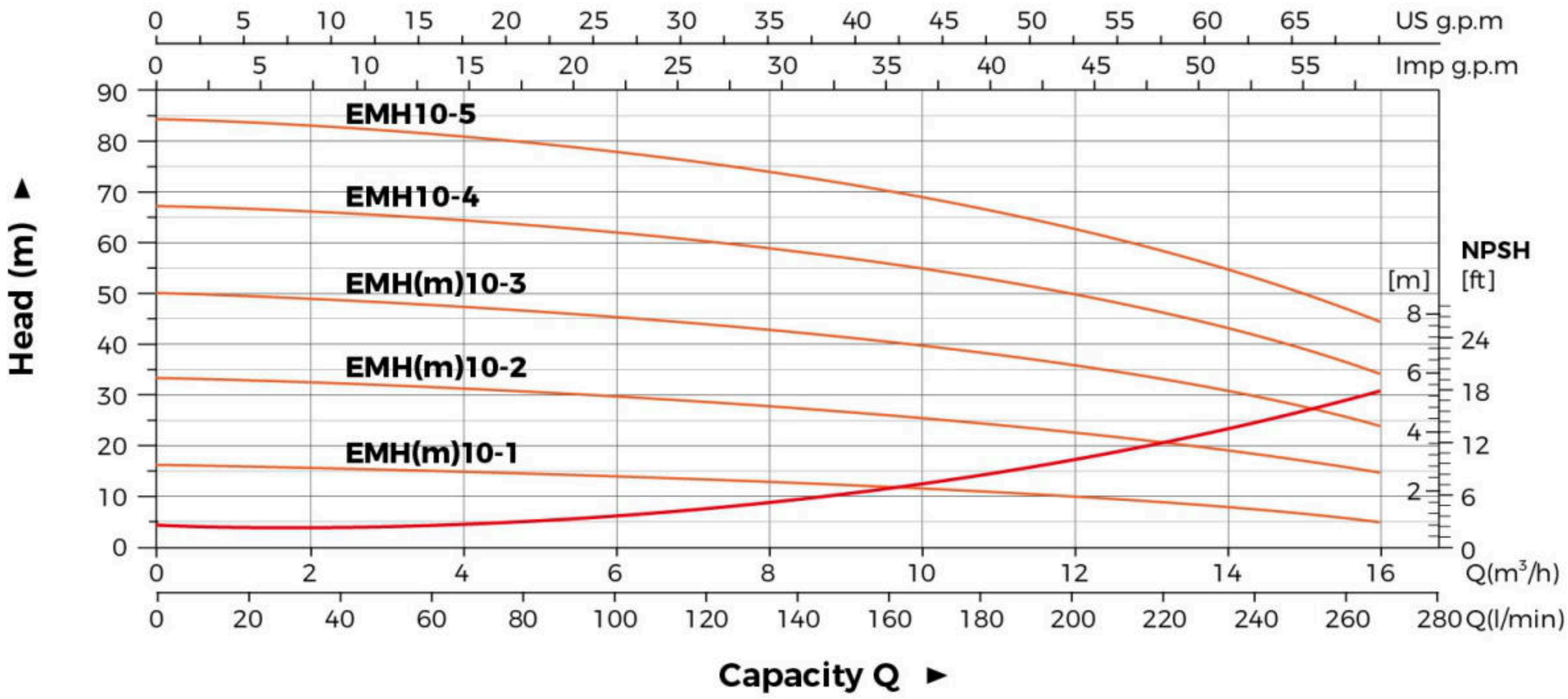
Package Information

Model	GW(Kgs)		L x W x H(mm)		Quantity(PCS/20'TEU)	
	3~	1~	3~	1~	3~	1~
EMH(m)8-1\1	10.5	11.5	423x234x256		847	
EMH(m)8-2\2	12.5	13.5	423x234x256		847	
EMH(m)8-3\3	14.5	18.0	455x244x266		742	
EMH(m)8-4\4	17.5	20.5	485x244x266		644	
EMH(m)8-5\5	20.5	24.5	515x244x266	575x244x276	644	588

EMH

Stainless Steel Horizontal Multistage Pump

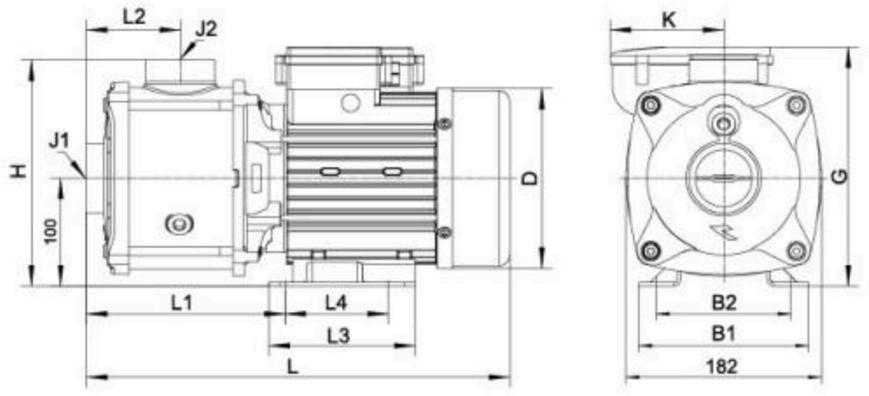
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	2	4	6	8	10	12	14	16
	kW	HP	Q(l/min)	0	33.3	67	100	134	166	200	233	268
EMH(m)10-1	0.65	0.9	H (m)	16.5	16	15	14	12.5	11.5	10	8	5
EMH(m)10-2	1.3	1.75		33	32	30.5	29	27.5	25.5	22.5	19	14.5
EMH(m)10-3	2.2	3.0		50	48.5	47	45.5	43	39.5	36	30.5	24
EMH10-4	3.0	4.0		66.5	64.5	63.5	62	59	55	49.5	43	34
EMH10-5	3.5	4.7		84	82	80	78	74	69	63.5	55.5	44

Dimension

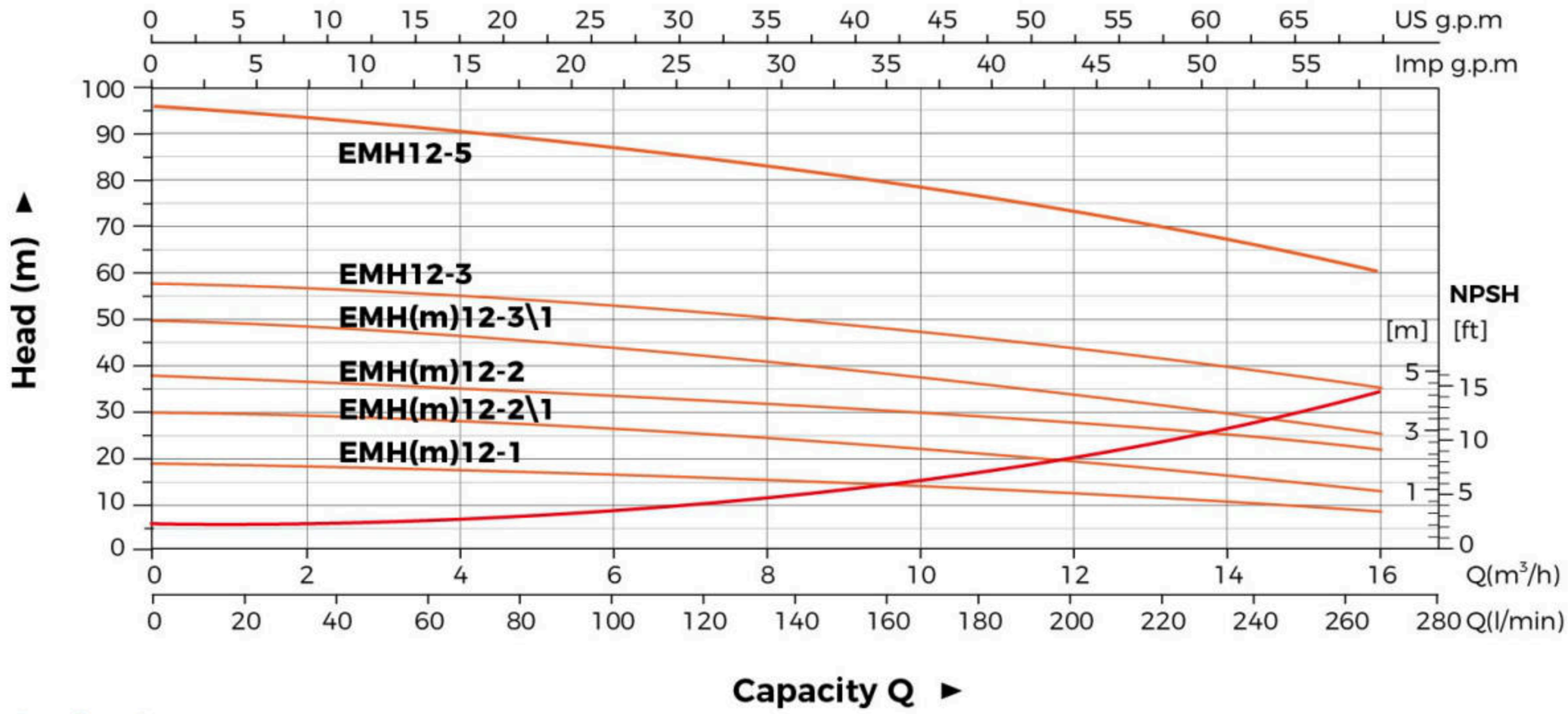


Model	L	L1	L2	L3	L4	B1	B2	D	G	K	H	J1/J2
									3~/1~	3~/1~		
EMH(m)10-1	378	186	102.5	132	96	158	125	146.5	196/207.5	/89	210	G1¹/₂/G1¹/₂
EMH(m)10-2	410	200	102.5	136	96	158	125	167	213/222	/105.5		
EMH(m)10-3	470	200	102.5	170	140	200	160	175	222/237	/107		
EMH10-4	500	230	132.5						222/-	-		
EMH10-5	530	260	162.5									

Package Information

Model	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
	3~	1~		
EMH(m)10-1	11.5	13.0	423x234x256	847
EMH(m)10-2	16.5	18.0	455x244x266	742
EMH(m)10-3	21.0	23.0	515x244x276	644
EMH10-4	24.0	-	545x244x276	623
EMH10-5	26.5	-	575x244x276	588

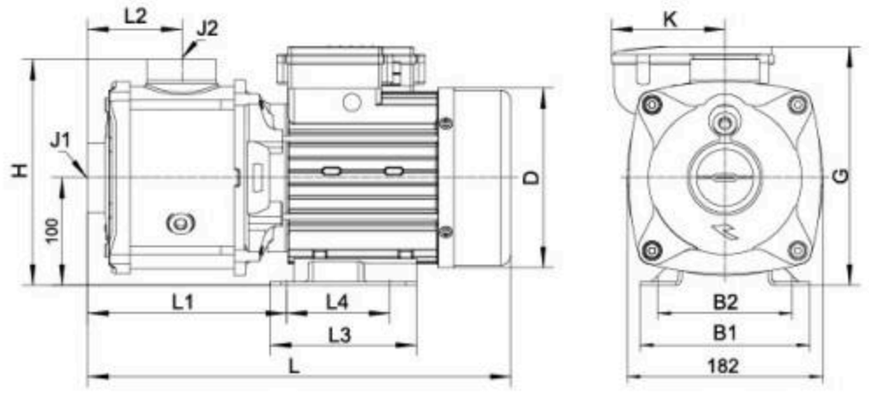
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	2	4	6	8	10	12	14	16
	kW	HP	Q(l/min)	0	33.3	67	100	134	166	200	233	268
EMH(m)12-1	1.0	1.36		19	18	17.5	16.5	15	14	12.5	10.5	8.5
EMH(m)12-2\1	1.3	1.75		30	29	28	27	25	22	19.5	16.5	13
EMH(m)12-2	1.85	2.5	H	38	36	35	34	32.5	30	27.5	25	22
EMH(m)12-3\1	2.2	3.0	(m)	50	48.5	46.5	44.5	42.5	38	33.5	30	25
EMH12-3	3.0	4.0		58	56	54	53.5	50.5	47	43.5	40	35
EMH12-5	4.0	5.5		96	93.5	90.5	87	83	78.5	74	67.5	60

Dimension



Inside "()" is the size of single-phase motor

Model	L	L1	L2	L3	L4	B1	B2	D	G	K	H	J1/J2
									3~/1~	3~/1~		
EMH(m)12-1	378	186	102.5	132	96	158	125	146.5	196/207.5	/89	210	G1¹/₂/G1¹/₂
EMH(m)12-2\1	410	200	102.5	136	96	158	125	167	213/222	/105.5		
EMH(m)12-2	410(470)	200	102.5	136(170)	96(140)	158(200)	125(160)	167(175)	213/237	/107		
EMH(m)12-3\1									213/237	/107		
EMH12-3	470	200	102.5	170	140	200	160	175	222/	-		
EMH12-5	563	282.5	162.5	180	140	205	160	186	225/	-		

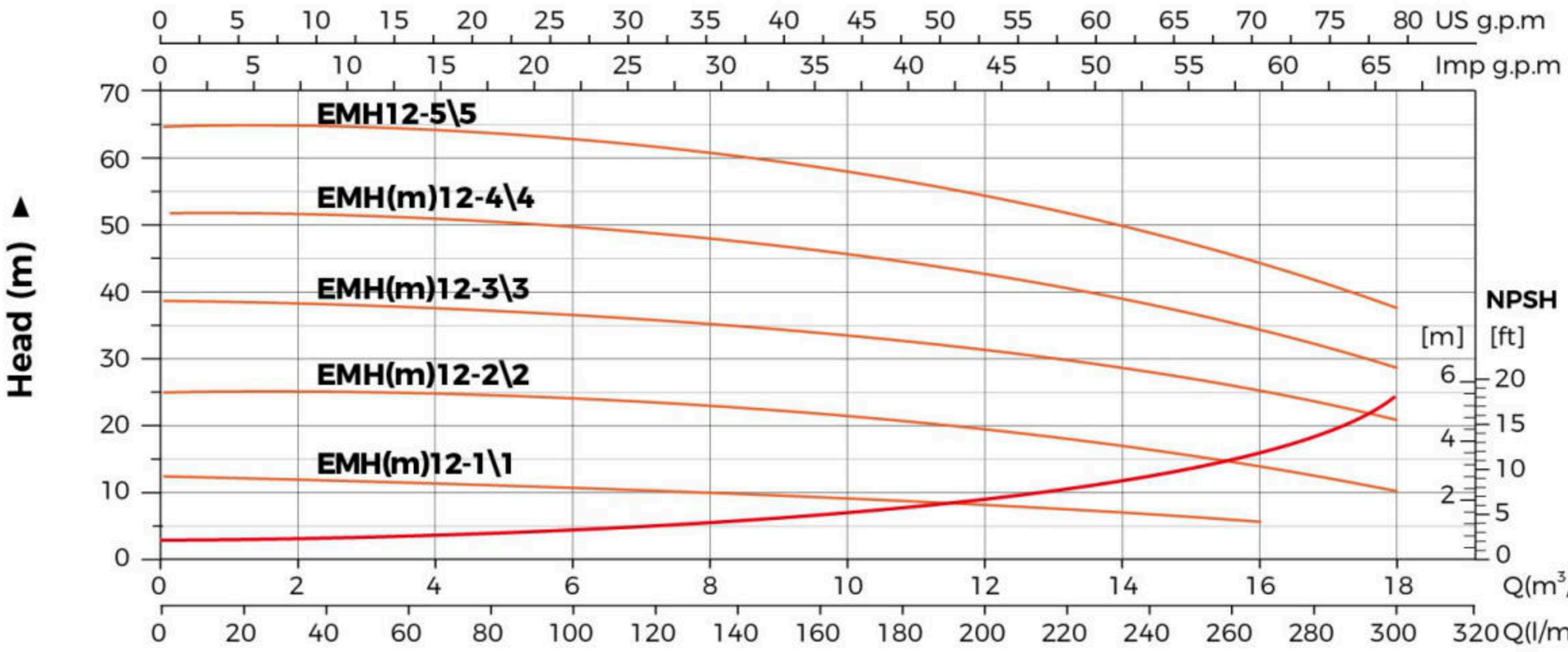
Package Information

Model	GW(Kgs)		L x W x H(mm)		Quantity(PCS/20'TEU)	
	3~	1~	3~	1~	3~	1~
EMH(m)12-1	12.5	14.0	423x234x256		847	
EMH(m)12-2\1	15.0	17.5	455x244x266		742	
EMH(m)12-2	17.5	22.0	455x244x266	515x244x276	742	644
EMH(m)12-3\1	18.5	23.0	455x244x266	515x244x276	742	644
EMH12-3	23.0	-	515x244x276	-	644	-
EMH12-5	33.4	-	626x245x269	-	546	-

EMH

Stainless Steel Horizontal Multistage Pump

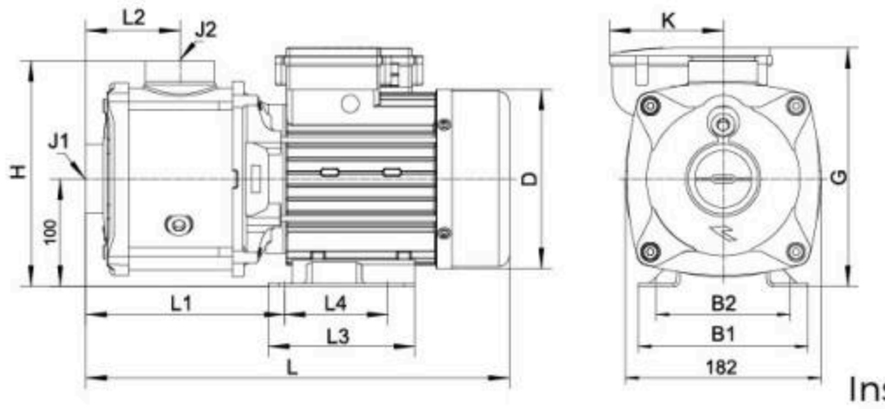
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	2	4	6	8	10	12	14	16	18
	kW	HP	Q(l/min)	0	33.3	67	100	134	166	200	233	268	300
EMH(m)12-1\1	0.65	0.9	H (m)	12.5	12	11.5	11	10	9.5	8.5	7	5.5	-
EMH(m)12-2\2	1.3	1.75		25.5	25	24	23.5	22.5	21	19.5	16.5	13.5	10
EMH(m)12-3\3	1.85	2.5		38.5	37.5	37	36	35	32.5	31.5	28	24.5	20.5
EMH(m)12-4\4	2.2	3.0		51.5	50.5	49.5	48.5	47.5	45.5	42.5	38.5	33.5	28.5
EMH12-5\5	3.0	4.0		64.5	63	62.5	62	60.5	58	54	48.5	43	37

Dimension



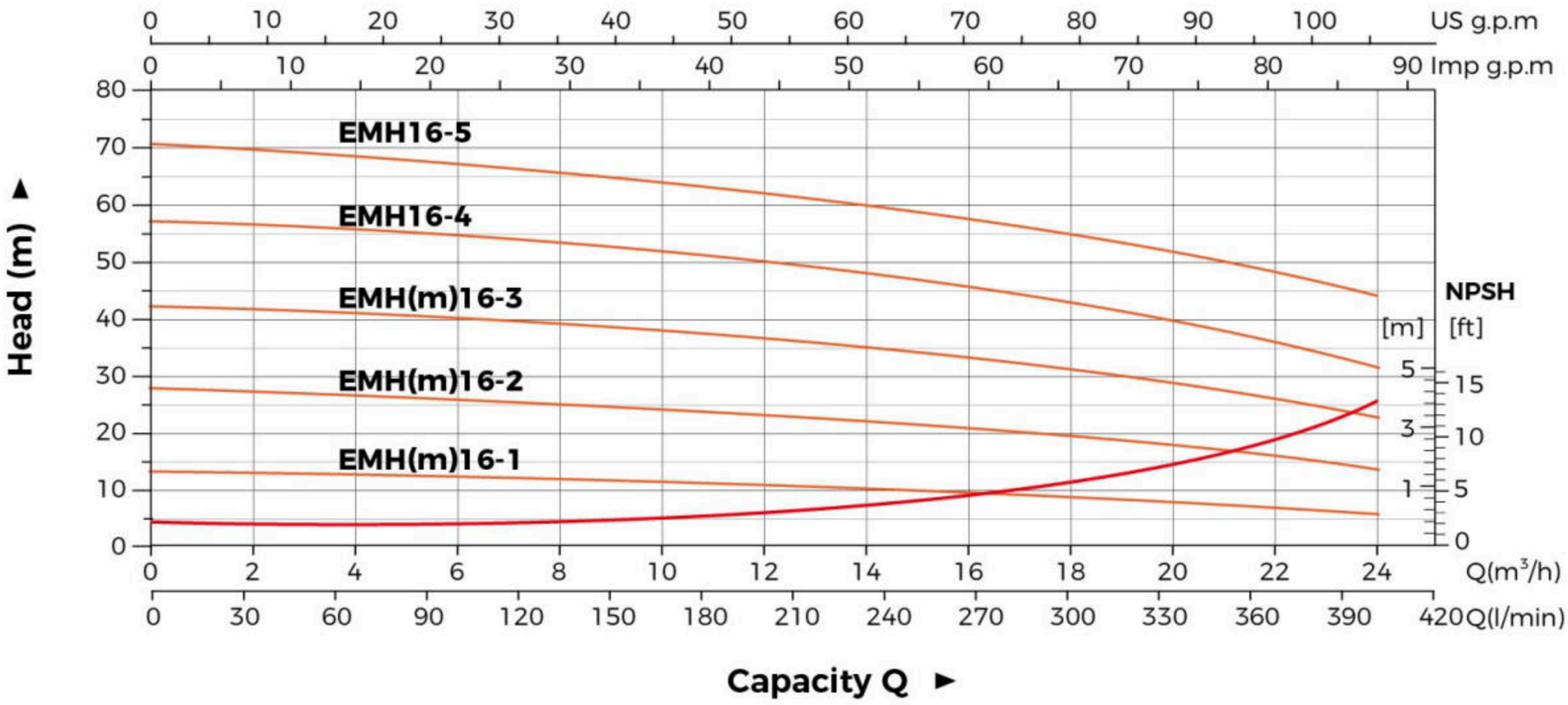
Inside "()" is the size of single-phase motor

Model	L	L1	L2	L3	L4	B1	B2	D	G	K	H	J1/J2
									3~/1~	3~/1~		
EMH(m)12-1\1	378	186	102.5	132	96	158	125	146.5	196/207.5	/89	210	$G1^1/_2$/$G1^1/_2$
EMH(m)12-2\2	410	200	102.5	136	96	158	125	167	213/222	/105.5		
EMH(m)12-3\3	410(470)	200	102.5	136(170)	96(140)	158(200)	125(160)	167(175)	213/237	/107		
EMH(m)12-4\4	440(500)	230	132.5						213/237	/107		
EMH12-5\5	530	260	162.5	170	140	200	160	175	222/	-		

Package Information

Model	GW(Kgs)		L x W x H(mm)		Quantity(PCS/20'TEU)	
	3~	1~	3~	1~	3~	1~
EMH(m)12-1\1	11.5	12.5	423x234x256		847	
EMH(m)12-2\2	15.0	17.5	455x244x266		742	
EMH(m)12-3\3	17.0	22.0	455x244x266	515x244x276	742	644
EMH(m)12-4\4	19.5	25.0	485x244x266	545x244x276	644	623
EMH12-5\5	25.5	-	575x244x276	-	588	-

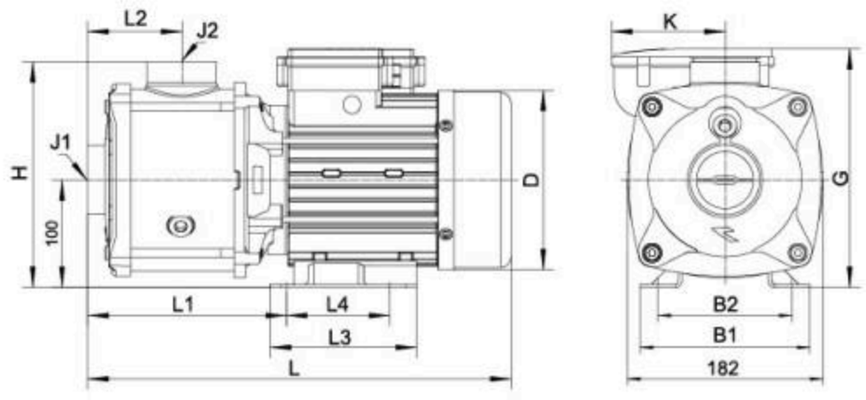
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	4	8	12	14	16	18	20	22	24
	kW	HP	Q(l/min)	0	67	134	200	233	268	300	333	367	400
EMH(m)16-1	1.0	1.36		13.5	12.5	12	11	10.5	9.5	8.5	8	7	6
EMH(m)16-2	1.6	2.15		28	26.5	25.5	23.5	22	21	20	18	16	14
EMH(m)16-3	2.6	3.5	H (m)	42.5	40.5	39.5	37	35.5	33.5	31.5	28.5	26	23
EMH16-4	3.5	4.7		57.5	54.5	53.5	50.5	48.5	46	43.5	40	36	31.5
EMH16-5	4.0	5.5		71	68	65.5	62.5	60.5	58	55	51.5	48	44.5

Dimension



Model	L	L1	L2	L3	L4	B1	B2	D	G	K	H	J1/J2
									3~/1~	3~/1~		
EMH(m)16-1	363	171	87.5	132	96	158	125	146.5	196/207.5	/89		
EMH(m)16-2	394	185	87.5	136	96	158	125	167	213/222	/105.5	211	
EMH(m)16-3	500	230	132.5	170	140	200	160	175	222/237	/107		G2/G2
EMH16-4	545	275	177.5	170	140	200	160	175	222/	-		
EMH16-5	623	342.5	222.5	180	140	205	160	186	225/	-	210	

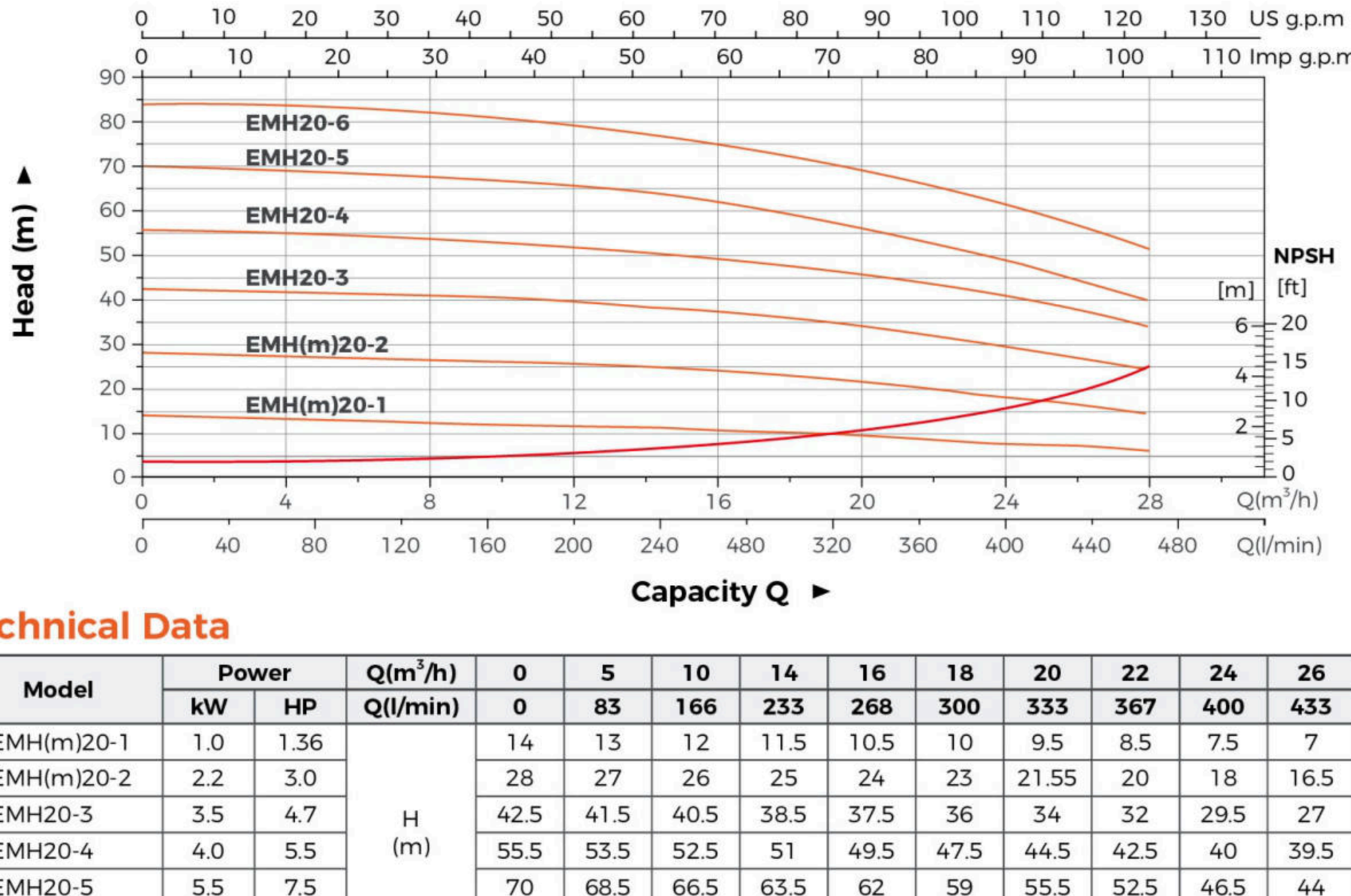
Package Information

Model	GW(Kgs)		L x W x H (mm)	Quantity (PCS/20'TEU)
	3~	1~		
EMH(m)16-1	12.0	13.5	408x234x256	868
EMH(m)16-2	17.0	19.0	440x244x266	756
EMH(m)16-3	24.0	25.0	545x244x276	923
EMH16-4	27.0	-	590x244x276	553
EMH16-5	33.4	-	686x245x269	490

EMH

Stainless Steel Horizontal Multistage Pump

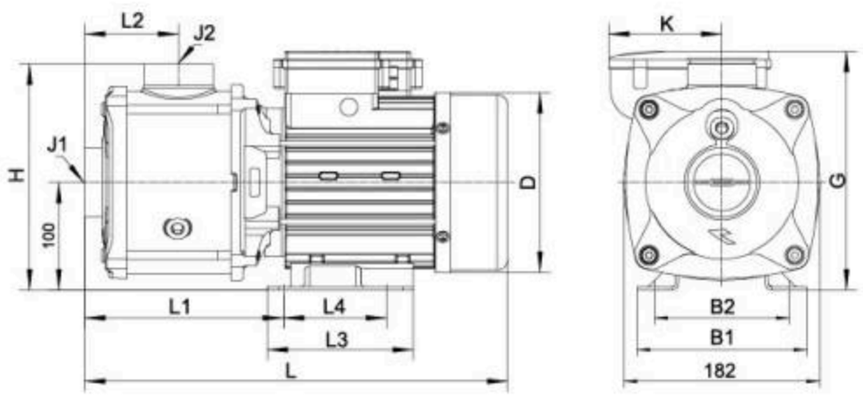
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	5	10	14	16	18	20	22	24	26	28
	kW	HP	Q(l/min)	0	83	166	233	268	300	333	367	400	433	467
EMH(m)20-1	1.0	1.36	H (m)	14	13	12	11.5	10.5	10	9.5	8.5	7.5	7	6
EMH(m)20-2	2.2	3.0		28	27	26	25	24	23	21.55	20	18	16.5	14.5
EMH20-3	3.5	4.7		42.5	41.5	40.5	38.5	37.5	36	34	32	29.5	27	24.5
EMH20-4	4.0	5.5		55.5	53.5	52.5	51	49.5	47.5	44.5	42.5	40	39.5	33
EMH20-5	5.5	7.5		70	68.5	66.5	63.5	62	59	55.5	52.5	46.5	44	36.5
EMH20-6	7.5	10		84	82	80.5	78	75	72	67	64	59	55	51

Dimension



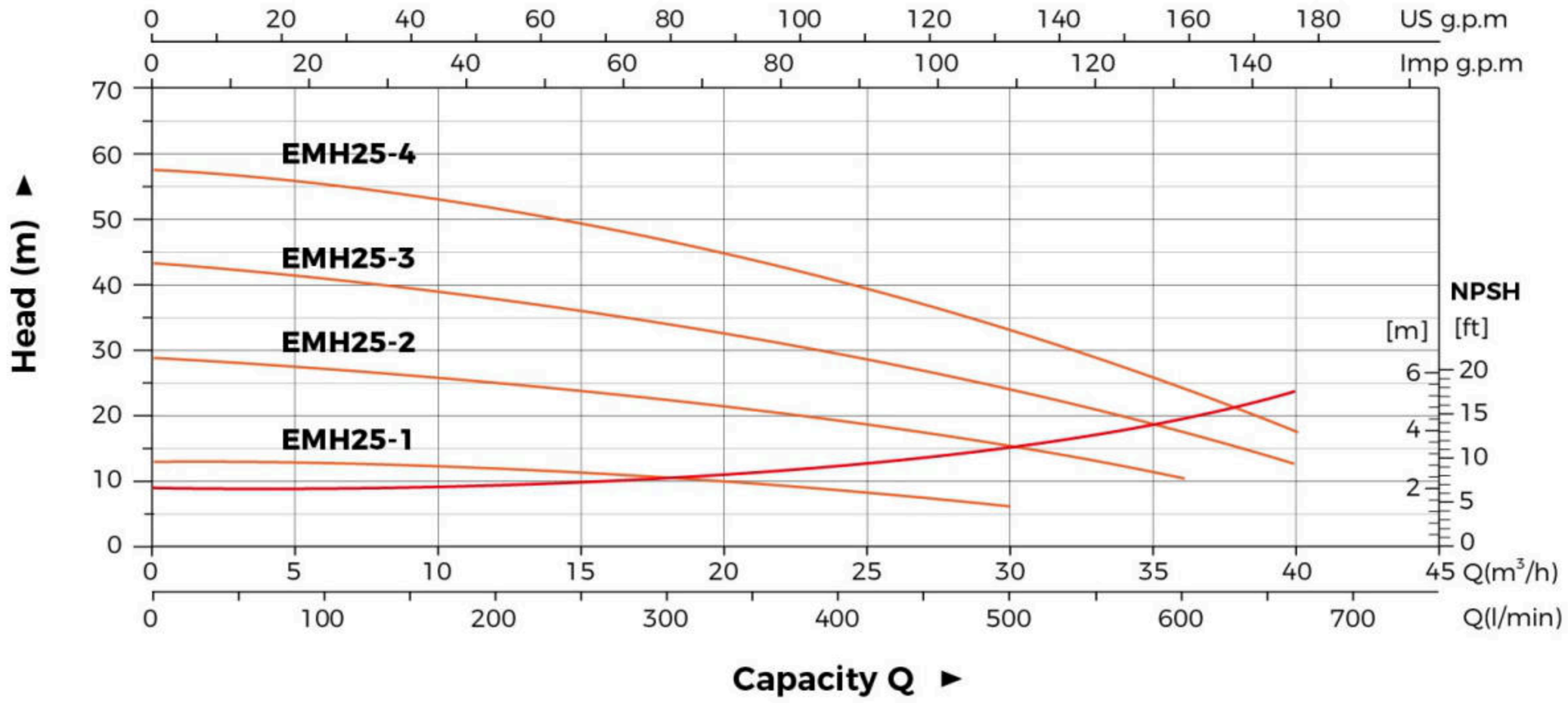
Inside "()" is the size of single-phase motor

Model	L	L1	L2	L3	L4	B1	B2	D	G	K	H	J1/J2
									3~/1~	3~/1~		
EMH(m)20-1	363	171	87.5	132	96	158	125	146.5	196/207.5	/89		
EMH(m)20-2	394(455)	185	87.5	136(170)	96(140)	158(200)	125(160)	167(175)	213/237	/107	211	
EMH20-3	500	230	132.5	170	140	200	160	175	222	-		G2/G2
EMH20-4	578	297.5	177.5	180	140	205	160	186	225	-	210	
EMH20-5	679	351	222.5	180	140	230	190	211	255	-	223	
EMH20-6	727	397	222.5	180	140	230	190	211	255	-	223	

Package Information

Model	GW(Kgs)		L x W x H(mm)		Quantity(PCS/20'TEU)	
	3~	1~	3~	1~	3~	1~
EMH(m)20-1	12.5	13.5	408x234x256		868	
EMH(m)20-2	18.5	22.5	440x244x266	500x244x276	756	644
EMH20-3	25.5	-	545x244x276	-	623	-
EMH20-4	41. 6	-	641x245x269	-	525	-
EMH20-5	44.2	-	740x265x320	-	491	-
EMH20-6	55.1	-	790x265x299	-	336	-

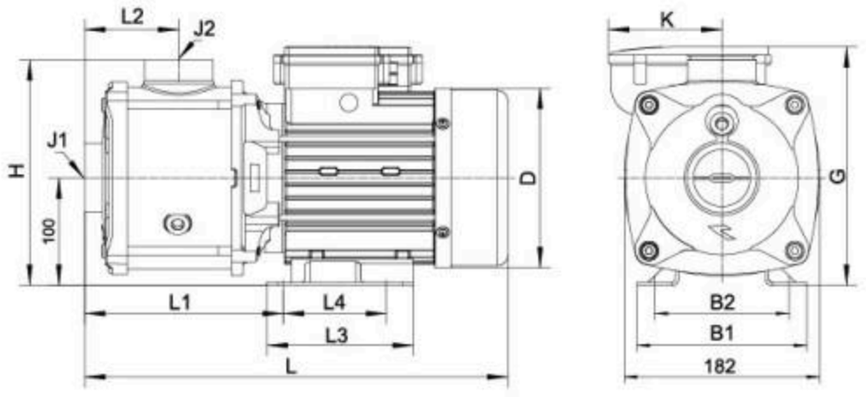
Hydraulic Performance Curves



Technical Data

Model	Power		Q(m³/h)	0	6	12	18	20	23	25	28	30	33	36	40
	kW	HP	Q(l/min)	0	100	200	300	333	383	417	467	500	550	600	667
EMH25-1	1.0	1.36	H (m)	13	13	12	10.5	10	9	8	7.5	6.5	-	-	-
EMH25-2	2.2	3.0		29	26.5	25	22	21.5	20	18.5	16.5	15	13	10.5	-
EMH25-3	3.5	4.7		43.5	40	37.5	34	32.5	30.5	29	25.5	23.5	20	17	13
EMH25-4	4.0	5.5		57.5	53.5	51	46.5	45	42	40	35.5	33	28.5	23.5	18

Dimension



Model	L	L1	L2	L3	L4	B1	B2	D	G	H	J1/J2
EMH25-1	363	171	87.5	132	96	158	125	146.5	196	211	G2/G2
EMH25-2	394	185	87.5	136	96	158	125	167	213		
EMH25-3	500	230	132.5	170	140	200	160	175	222		
EMH25-4	578	297.5	177.5	180	140	205	160	186	225		

Package Information

Model	GW (Kgs)	L x W x H (mm)	Quantity (PCS/20'TEU)
EMH25-1	12.5	408x234x256	868
EMH25-2	18.5	440x244x266	756
EMH25-3	25.5	545x244x276	623
EMH25-4	34.6	641x245x269	525