ECM-series
60HZ

Stainless Steel Multi-stage Centrifugal Pumps

EVERGUSH

Applications

1.Water treatment processes
2.Industrial cleaners and dishwashers
3.Pressure boosting systems
4.Heating and cooling for industrial processes
5.Air-conditioning systems, Air freshening, heater devices.
6.Water supply and boosting(drinking water with light chlorinated water)
7.Fertilization systems
6.Domestic and household use

Applicable Medium

1. For clean, non-flammable and non-explosive liquid without solid granules and fibers;
2. Mineral water, soft water, pure water, edible vegetable oil and other light chemical mediums.
3. When the liquid density or viscosity is larger than normal water, it is necessary to select a motor with higher power.
4. Whether a specific liquid is suitable for the pump, it all depends on many factors, among which the most important ones are chlorine content, PH value, temperature, solvent and oil content.

Operating Conditions

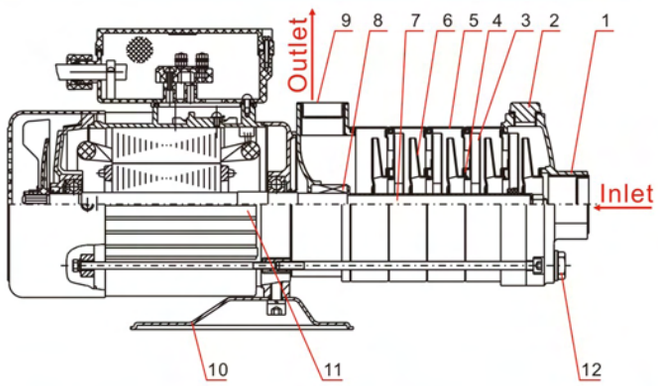
1. Liquid temperature: Standard type 2~70°C
   Hot water type less than 100°C
2. Ambient temperature: 0~ 50°C
3. Working pressure: Max. 10 bar.
4. Suitable for transport clean water, without solid particles or non-corrosive fluids.

OPTIONAL
ECM2-A , ECM4-A
Auto Booster
Multi-stage Pump

Cross sectional drawing of ECM

No.	Part Name	Std. Material
1	Inlet section	SUS304
2	Priming Plug	SUS304
3	Support guide vane	SUS304
4	Separating sleeve	SUS304
5	Middle section body	SUS304
6	Impeller	SUS304
7	Shaft	SUS410
8	Mechanical seal	CA/CE
9	Outlet section	SUS304
10	Base frame	A3 steel
11	Motor shell	Aluminum Alloy
12	Drainage Plug	SUS304

◉SIC/SIC Mech seal is available upon request.

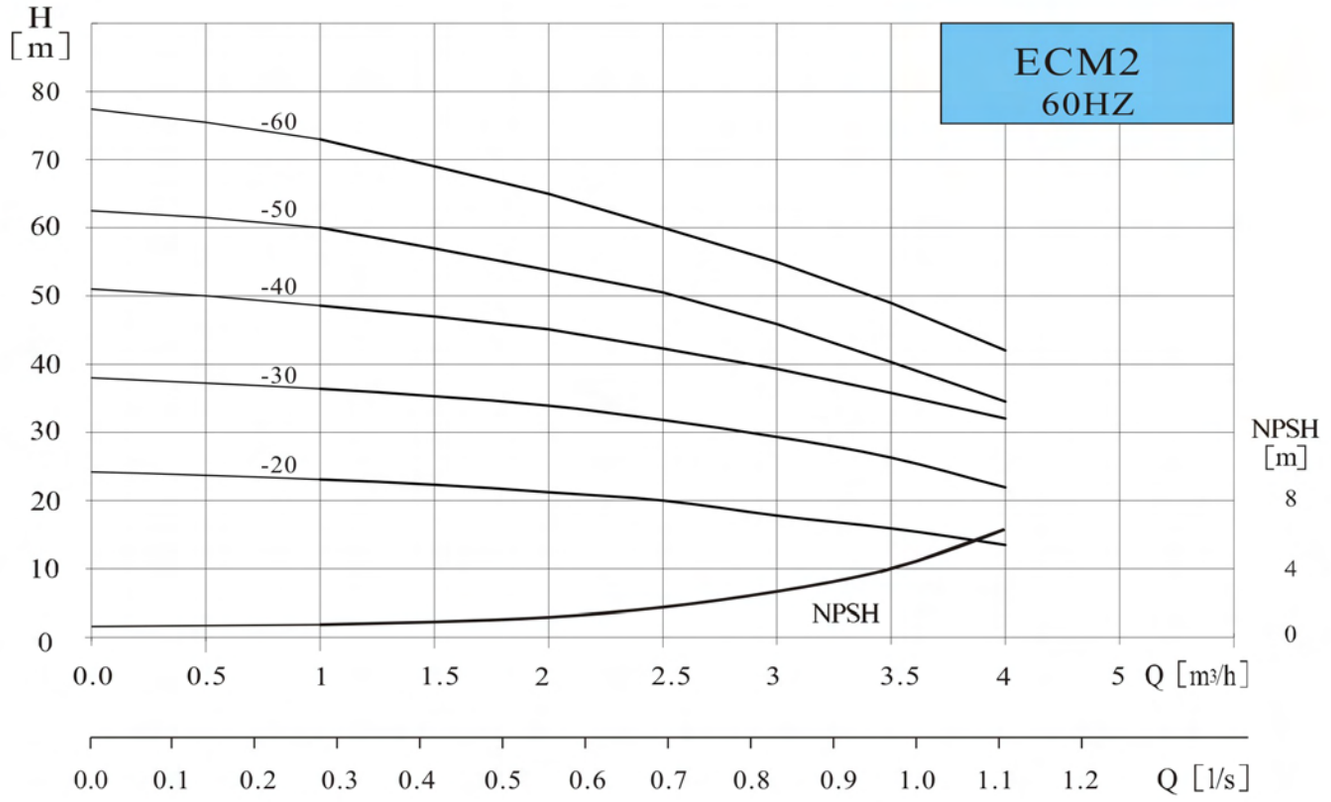


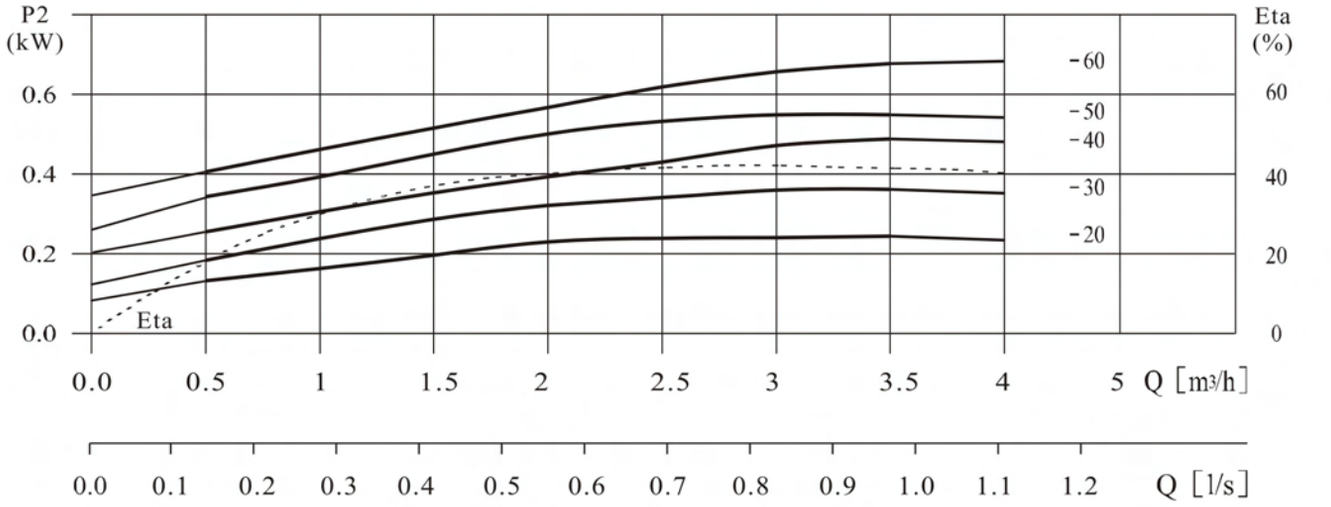
Unit:MM

Model / Inlet outlet dia.	ECM2	ECM4	ECM8	ECM12	ECM16	ECM20
Inlet	25	32	40	40	50	50
Outlet	25	25	32	40	50	50

ECM2 Technical Data

Performance Curves



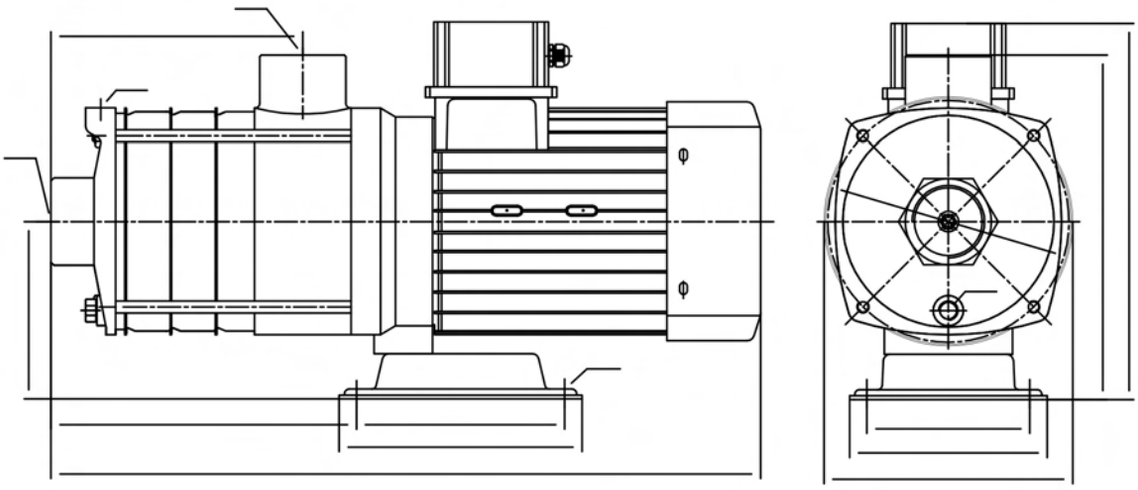


ECM2 Technical Data

Performance Table

Model	Power		Q (m^3/h)	1	1.5	2	2.5	3	3.5	4
	KW	HP								
ECM2-20	0.37	0.5	H (m)	23	22	21	20	18	16	14
ECM2-30	0.55	0.75		36	35	34	32	29	26	22
ECM2-40	0.75	1.0		49	47	45	42	39	36	32
ECM2-50	0.75	1.0		59	56	54	51	46	40	35
ECM2-60	1.1	1.5		71	69	65	59	54	49	42

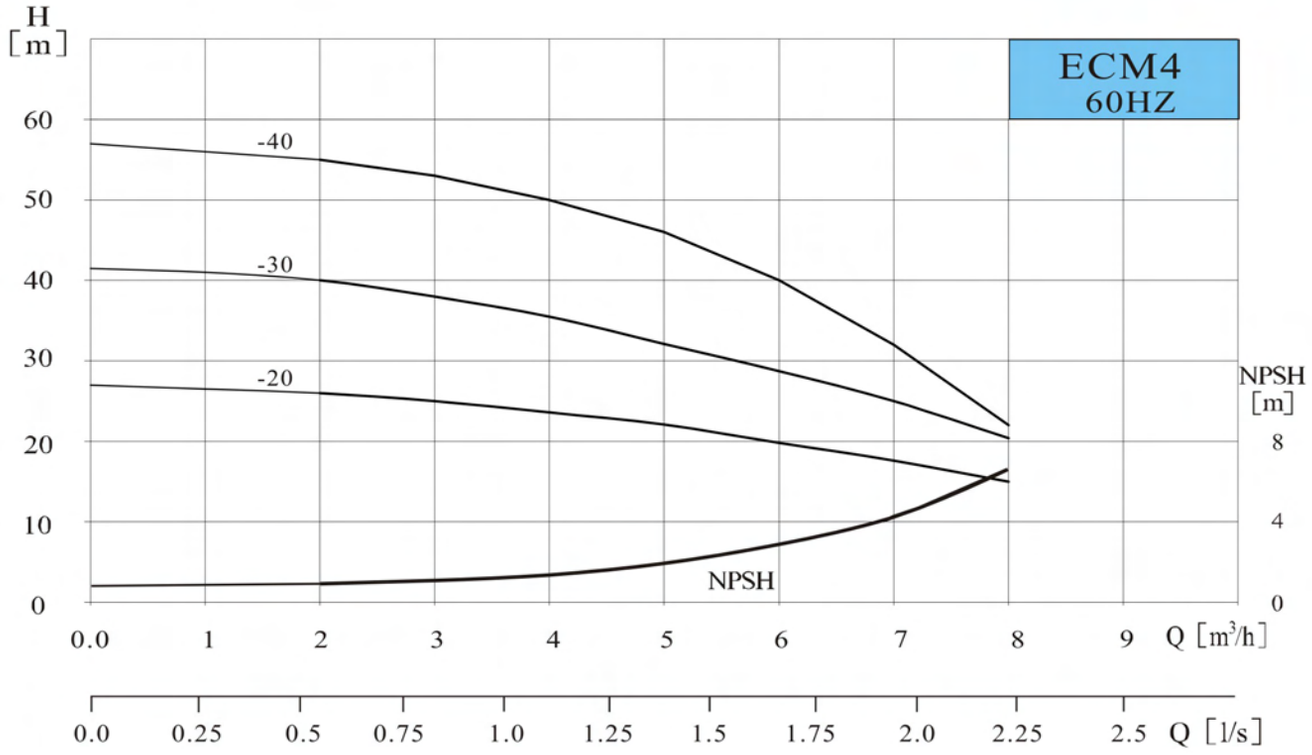
Dimension

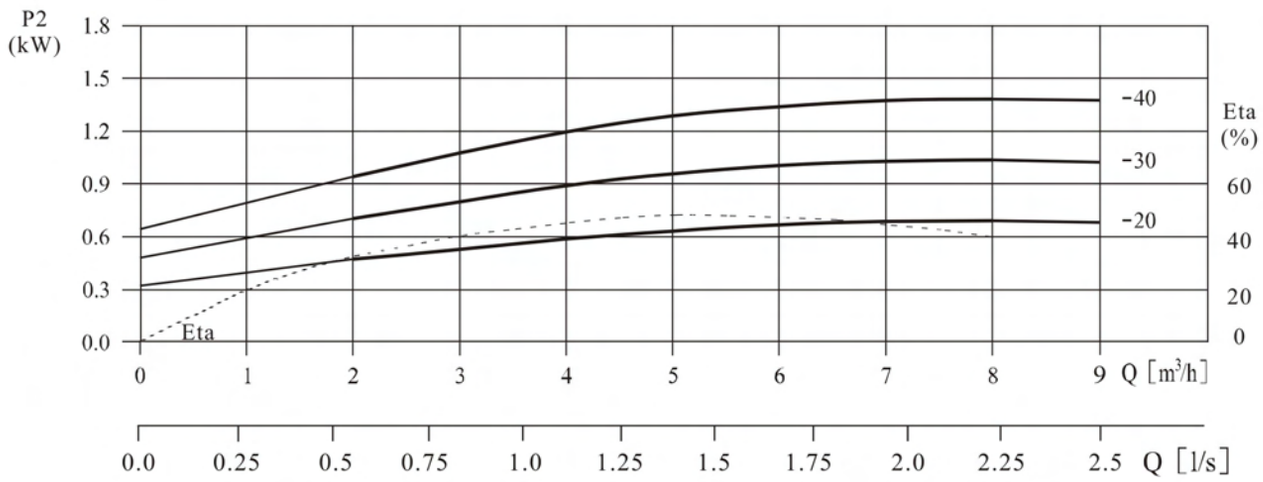


Model	KW	Dimension (mm)										Weight (kg)
		1 Phase					3 Phase					
		L	L1	L2	H	D	L	L1	L2	H	D	
ECM2-20	0.37	305	87	84	230	156	305	87	84	230	145	8.5
ECM2-30	0.55	370	105	102	245	185	370	105	102	230	170	9
ECM2-40	0.75	388	123	130	245	185	388	123	130	230	170	9.5
ECM2-50	0.75	406	141	138	245	185	406	141	138	230	170	10
ECM2-60	1.1	465	159	156	260	185	465	159	156	240	170	11

ECM4 Technical Data

Performance Curves



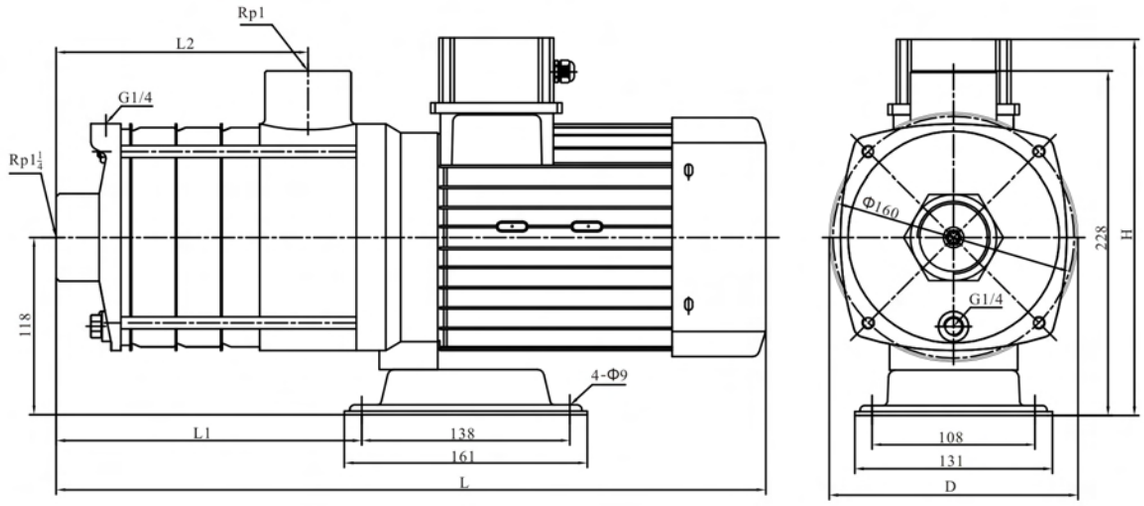


ECM4 Technical Data

Performance Table

Model	Power		Q (m^3/h)	2	3	4	5	6	7	8
	KW	HP								
ECM4-20	0.75	1.0	H (m)	26	25	24	21	20	18	15
ECM4-30	1.0	1.3		40	37	35	32	29	25	20
ECM4-40	1.5	2.0		55	52	50	47	40	32	22

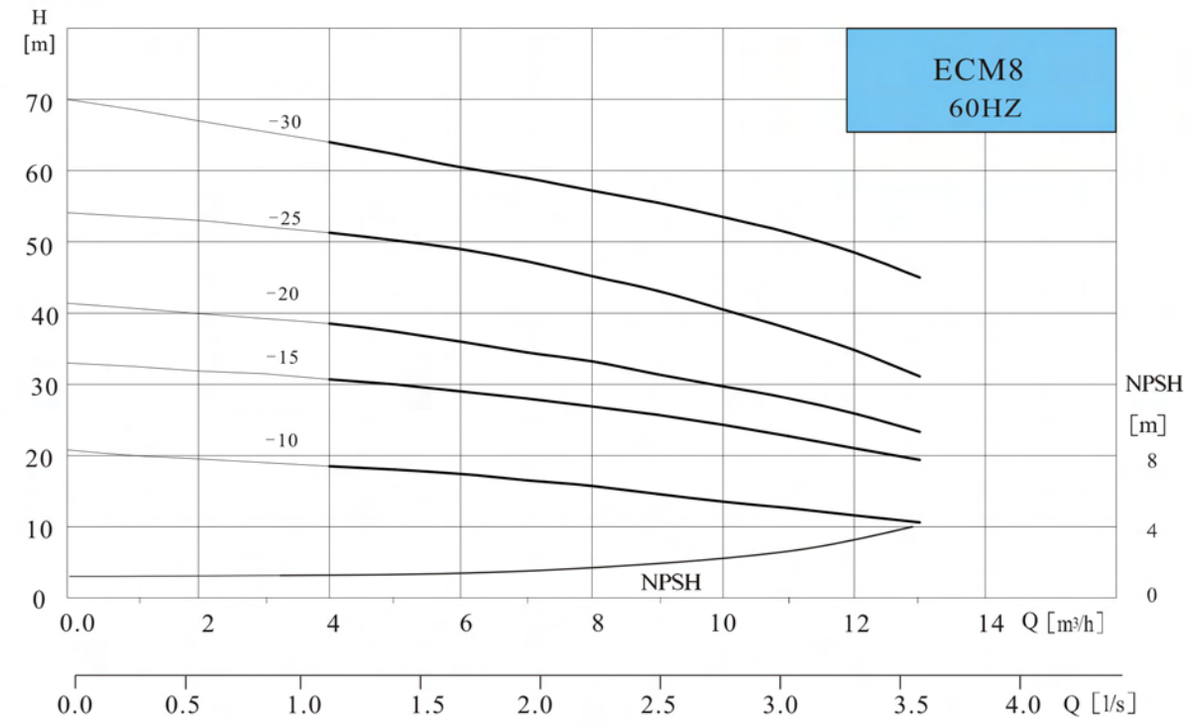
Dimension

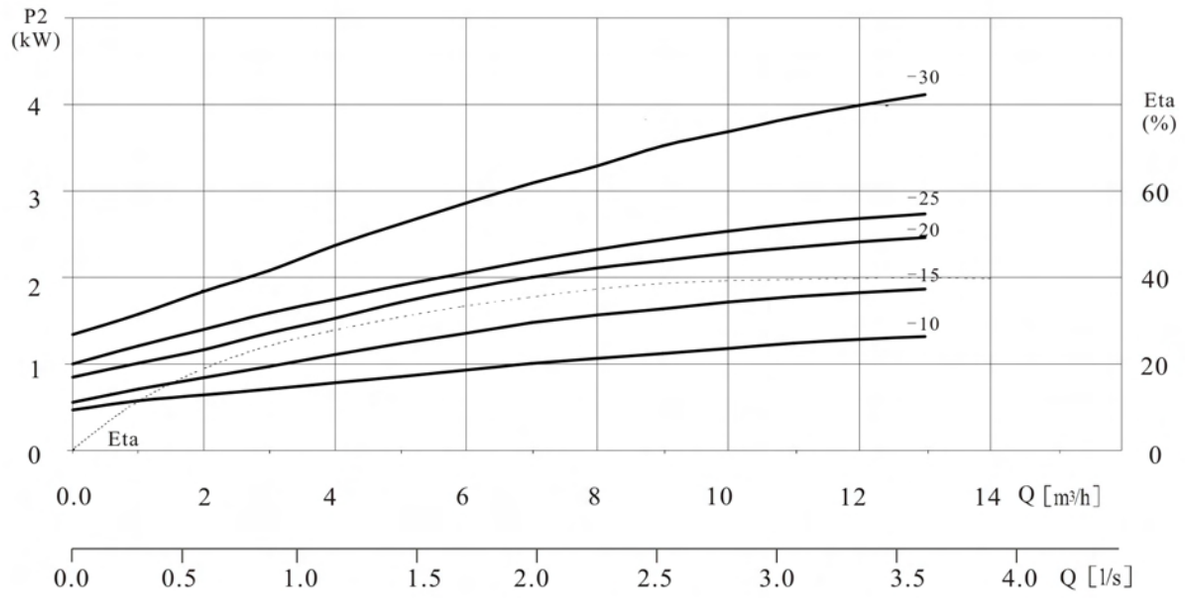


Model	KW	Dimension (mm)										Weight (kg)
		1 Phase					3 Phase					
		L	L1	L2	H	D	L	L1	L2	H	D	
ECM4-20	0.75	358	105	102	245	185	358	105	102	230	170	10
ECM4-30	1.0	395	132	129	245	185	395	132	129	230	170	11
ECM4-40	1.5	465	159	156	260	185	465	159	156	240	170	12

ECM8 Technical Data

Performance Curves



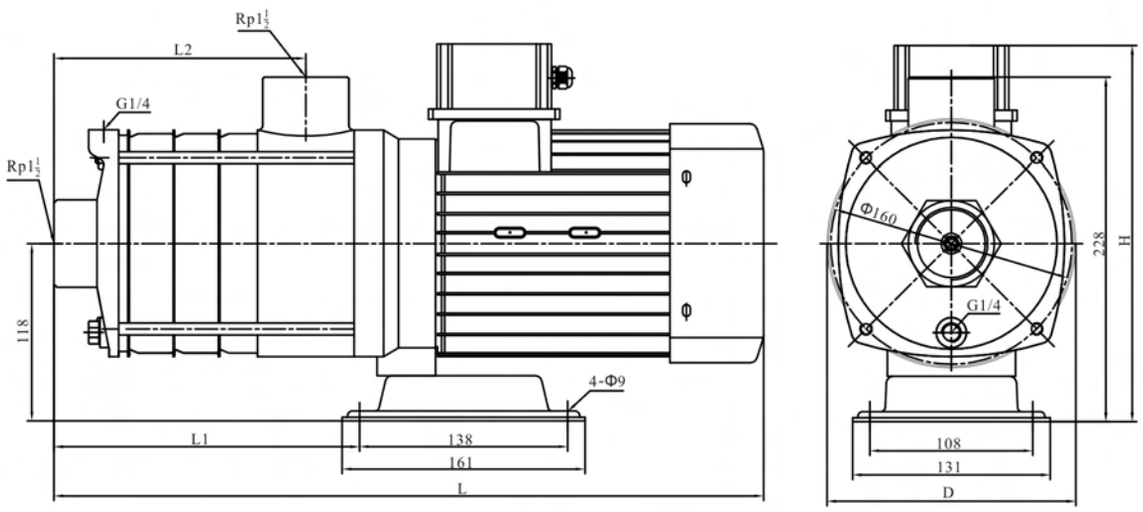


ECM8 Technical Data

Performance Table

Model	Power		Q (m^3/h)	4.0	5.0	6.0	7.0	8.0	9.0	10	12
	KW	HP									
ECM8-10	1.1	1.5	H (m)	19	18	17.5	17	16	15	14	12
ECM8-15	1.5	2.0		31	30	29	28	27	26	24	21
ECM8-20	1.85	2.5		38	37	35	34	33	31	30	26
ECM8-25	2.2	3.0		50	49	47	46	44	42	39	35
ECM8-30	3.7	5.0		63	62	60	59	58	56	54	49

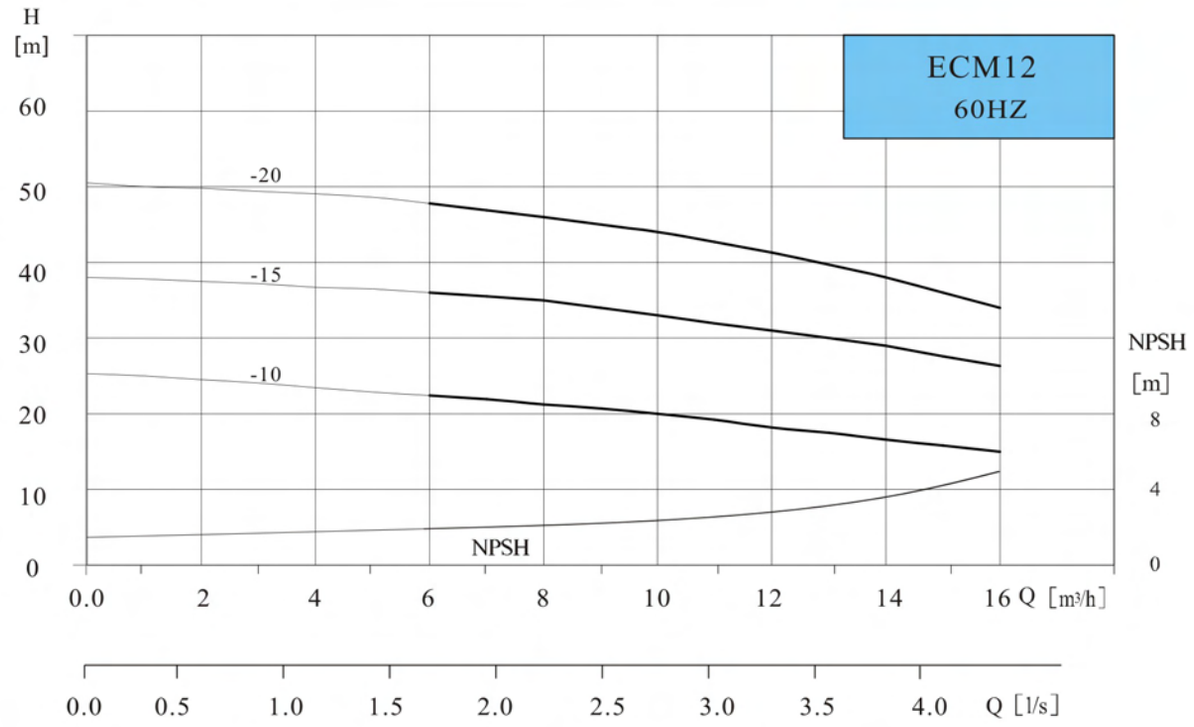
Dimension

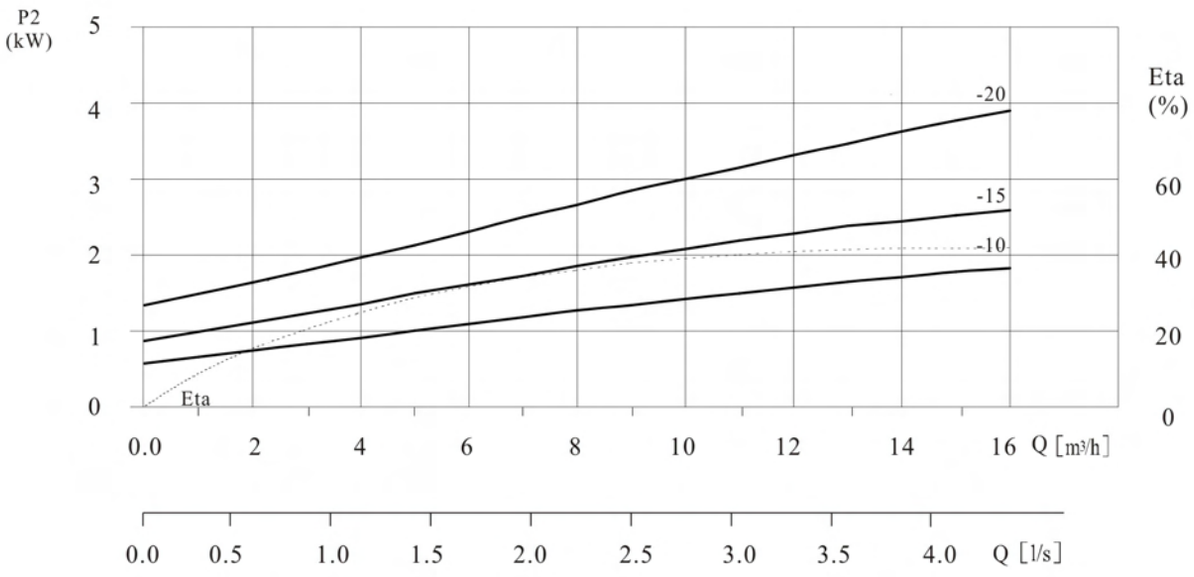


Model	KW	Dimension (mm)										Weight (kg)
		1 Phase					3 Phase					
		L	L1	L2	H	D	L	L1	L2	H	D	
ECM8-10	1.1	393	112	77	270	180	393	112	77	250	162	14
ECM8-15	1.5	423	142	107	270	180	423	142	107	250	162	17
ECM8-20	1.85	433	142	107	280	188	423	142	107	250	162	19
ECM8-25	2.2	460	172	137	280	188	460	172	137	245	171	24
ECM8-30	3.7	-	-	-	-	-	493	172	137	265	196	28

ECM12 Technical Data

Performance Curves



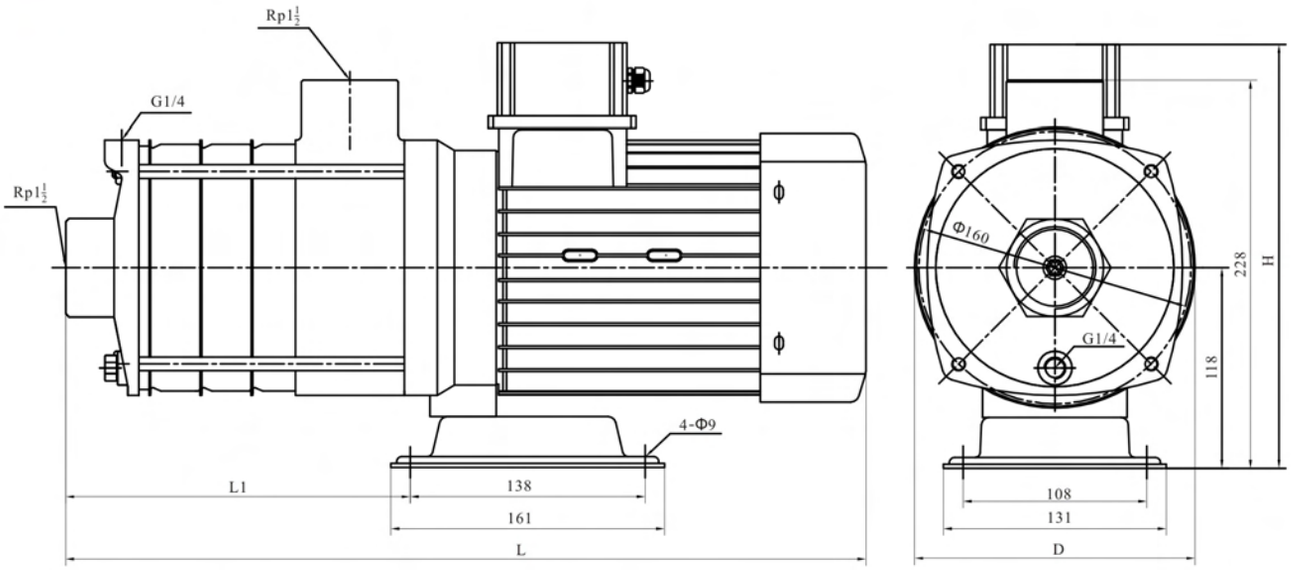


ECM12 Technical Data

Performance Table

Model	Power		Q (m^3/h)	6.0	8.0	9.0	10	11	12	13	14	15
	KW	HP										
ECM12-10	1.5	2.0	H (m)	23	22	21	20	19	18	17	16.5	16
ECM12-15	2.2	3.0		36	35	34	33	32	31	30	29	28
ECM12-20	3.7	5.0		48	46	45	44	43	41	39	38	36

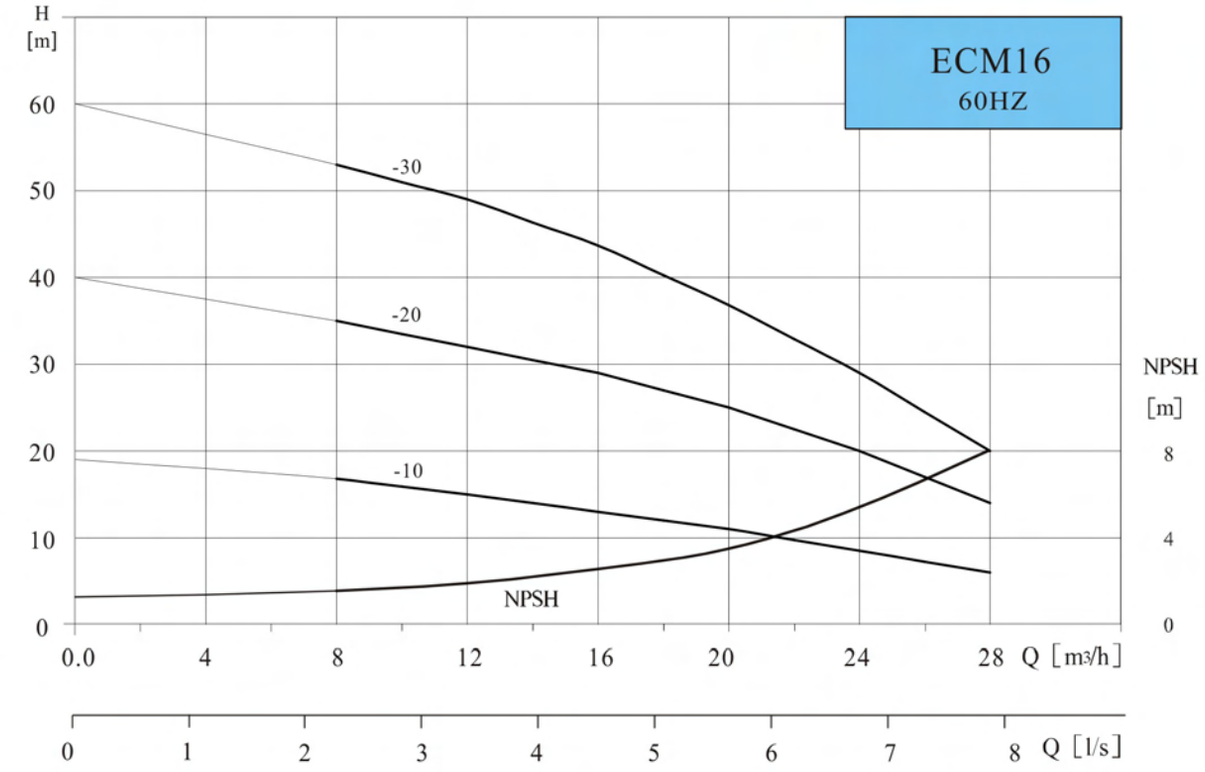
Dimension

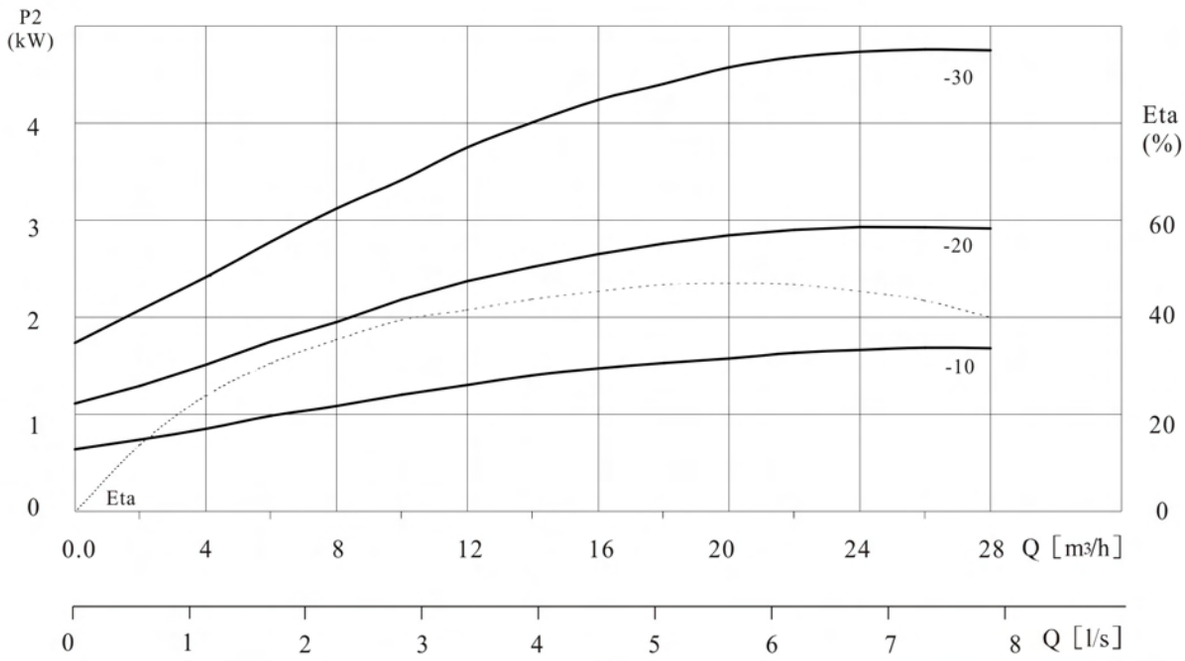


Model	KW	Dimension (mm)										Weight (kg)
		1 Phase					3 Phase					
		L	L1	L2	H	D	L	L1	L2	H	D	
ECM12-10	1.5	393	112	77	270	180	393	112	77	250	162	18
ECM12-15	2.2	423	142	107	280	188	430	142	107	255	171	24
ECM12-20	3.7	-	-	-	-	-	463	142	107	265	196	27

ECM16 Technical Data

Performance Curves



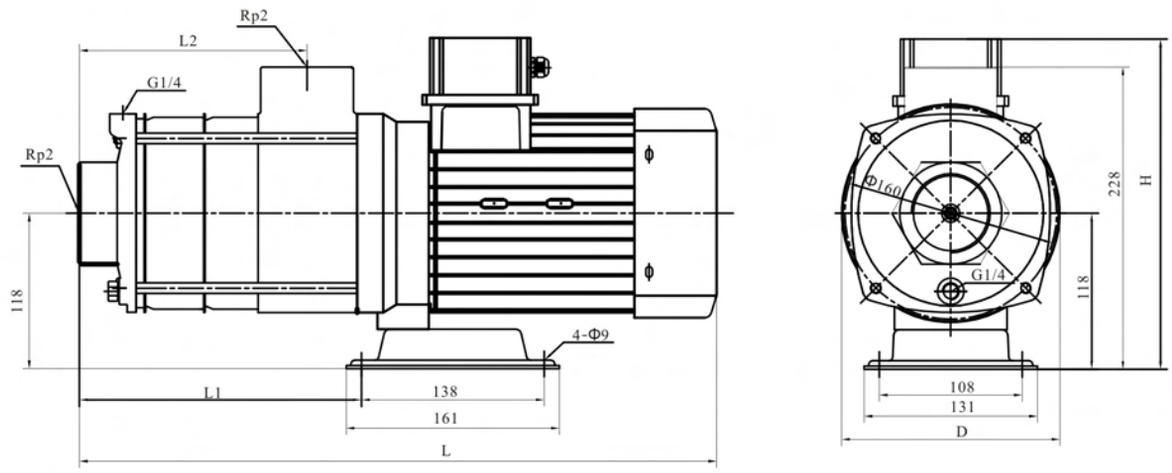


ECM16 Technical Data

Performance Table

Model	Power		Q (m^3/h)	8	12	16	20	24	28
	KW	HP							
ECM16-10	1.5	2.0	H (m)	17	15	13	11	8	6
ECM16-20	3.0	4.0		35	32	29	25	20	14
ECM16-30	4.0	5.5		53	49	44	37	29	20

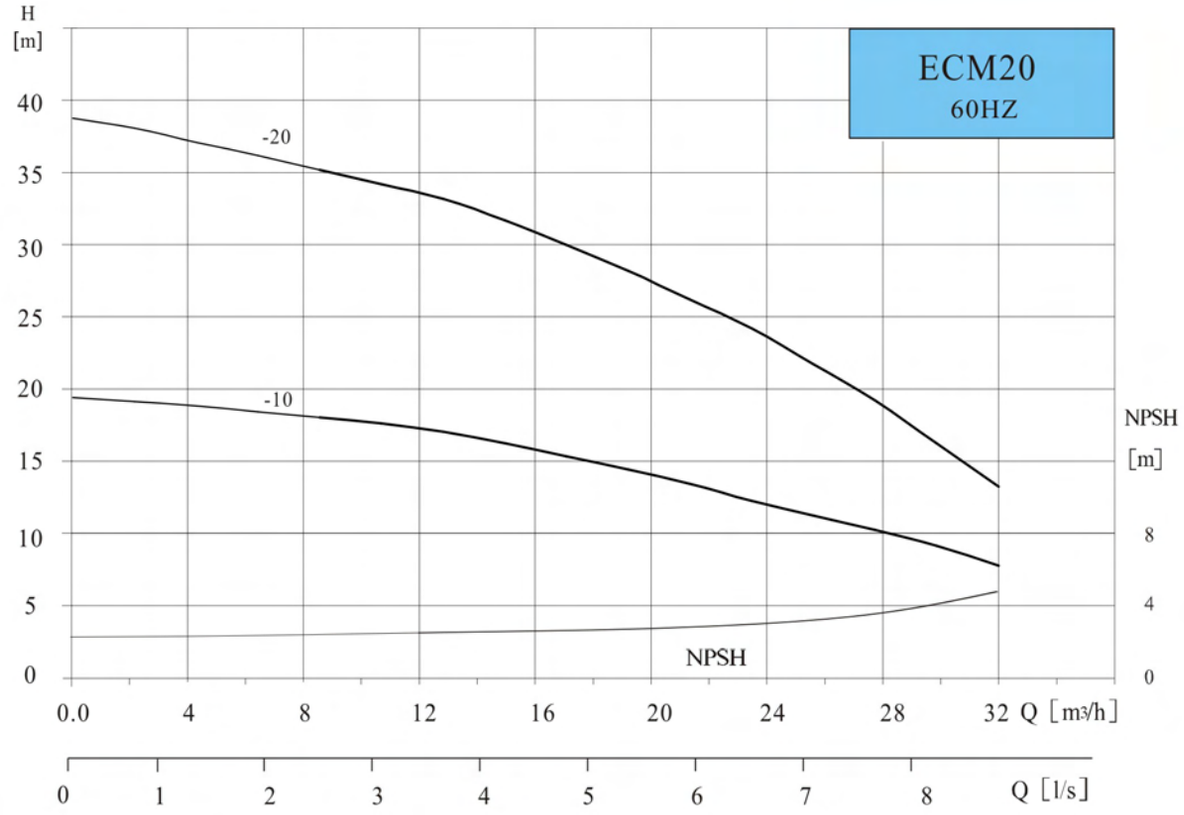
Dimension

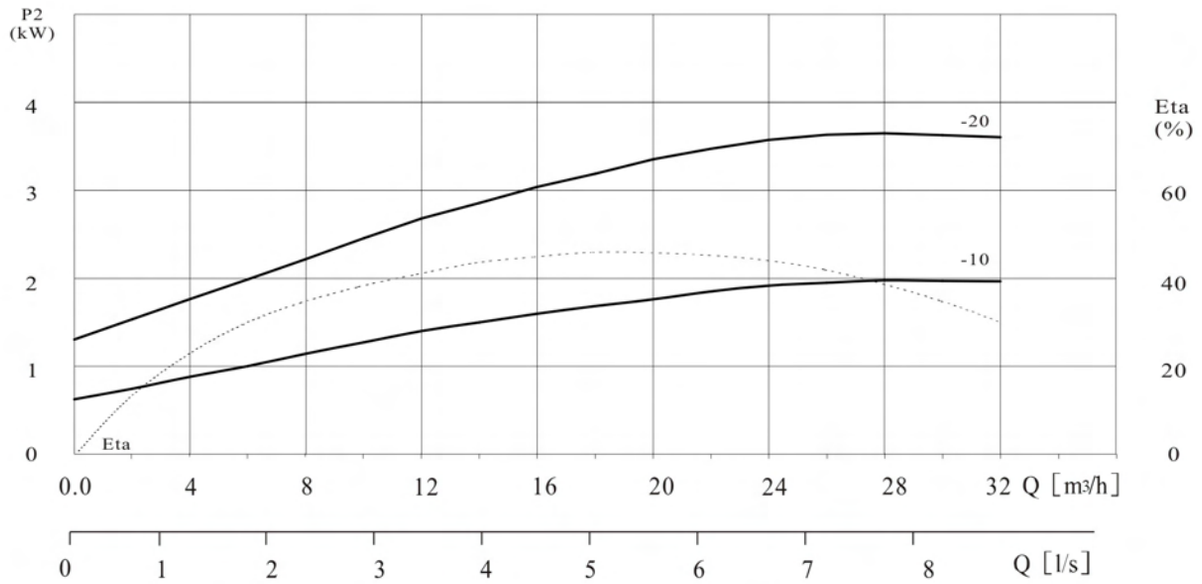


Model	KW	Dimension (mm)										Weight (kg)
		1 Phase					3 Phase					
		L	L1	L2	H	D	L	L1	L2	H	D	
ECM16-10	1.5	404	123	82	270	180	404	123	82	250	162	17
ECM16-20	3.0	-	-	-	-	-	459	168	127	260	183	26
ECM16-30	4.0	-	-	-	-	-	534	213	172	265	196	35

ECM20 Technical Data

Performance Curves



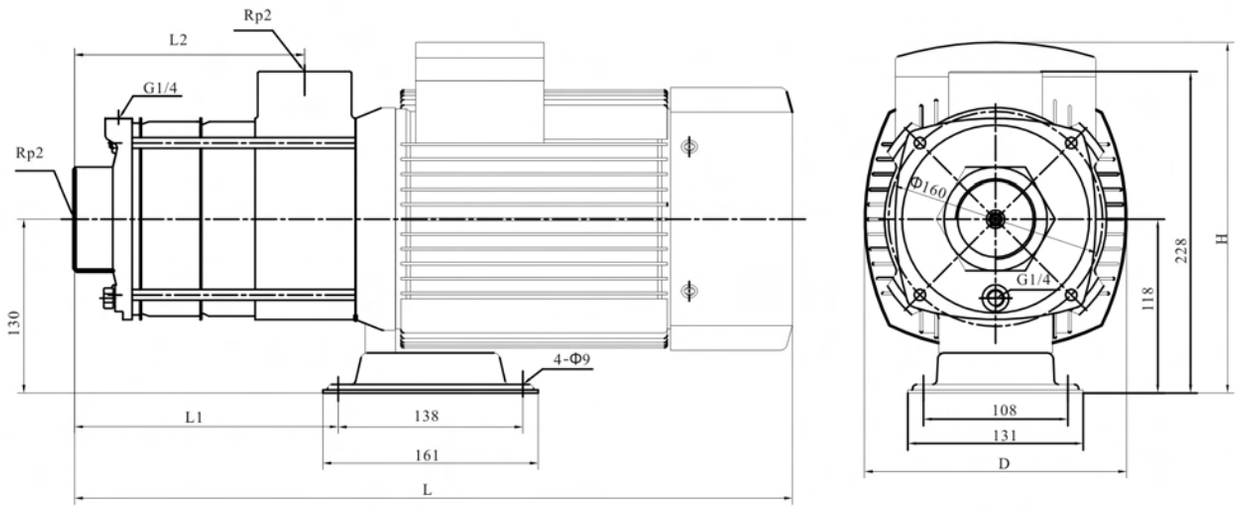


ECM20 Technical Data

Performance Table

Model	Power		Q (m^3/h)	10	14	16	20	24	28	32
	KW	HP								
ECM20-10	1.85	2.5	H (m)	18	17	16	14	12	10	7
ECM20-20	4.0	5.5		35	33	32	28	24	19	13

Dimension



Model	KW	Dimension (mm)										Weight (kg)
		1 Phase					3 Phase					
		L	L1	L2	H	D	L	L1	L2	H	D	
ECM20-10	1.85	414	107	82	280	188	404	107	82	250	165	25
ECM20-20	4.0	-	-	-	-	-	488	152	127	265	196	35