



Applications

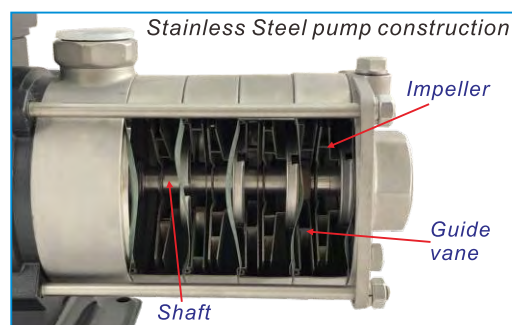
1. Water treatment processes
2. Industrial cleaners and dishwashers
3. Pressure boosting systems
4. Heating and cooling for industrial processes
5. Air-conditioning systems, Air freshening, heater devices.
6. Water supply and boosting (drinking water with light chlorinated water)
7. Fertilization systems
8. 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.

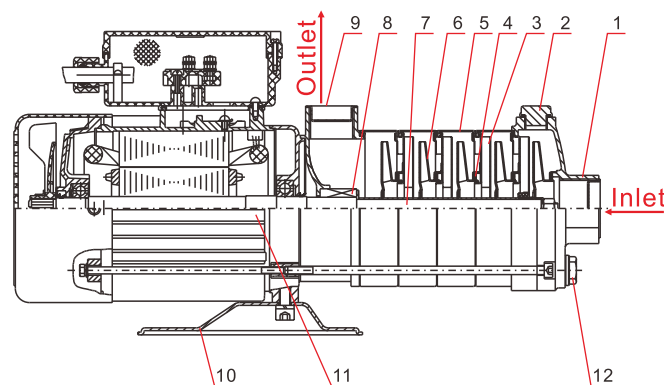
Operating Conditions

1. Liquid temperature: Standard type -15~70°C
(Custom-made) Hot water type -15~100°C
2. Ambient temperature: Max. 40°C
3. Working pressure: Max. 10 bar
4. Suitable for transport clean water, without solid particles or non-corrosive fluids.



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	SUS304
8	Mechanical seal	SIC/CA/VITON
9	Outlet section	SUS304
10	Base frame	A3 steel
11	Motor shell	Aluminum Alloy
12	Drainage Plug	SUS304

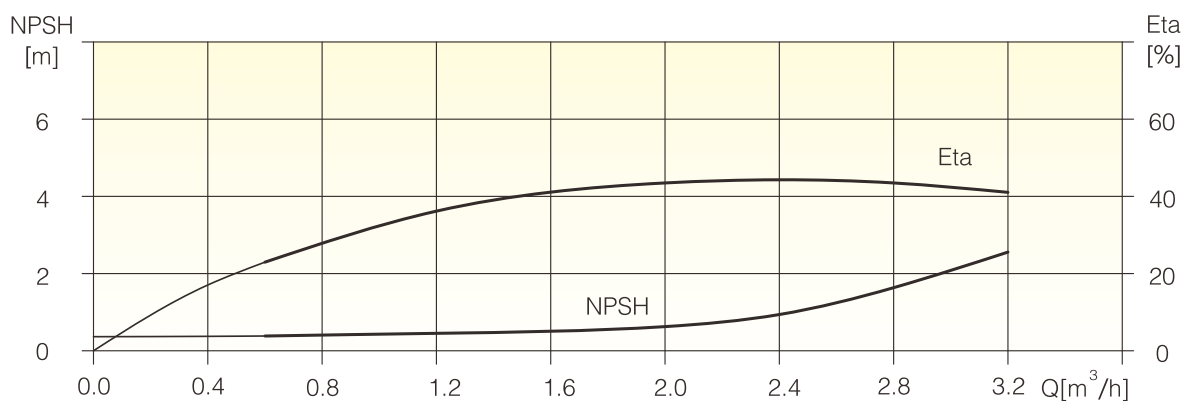
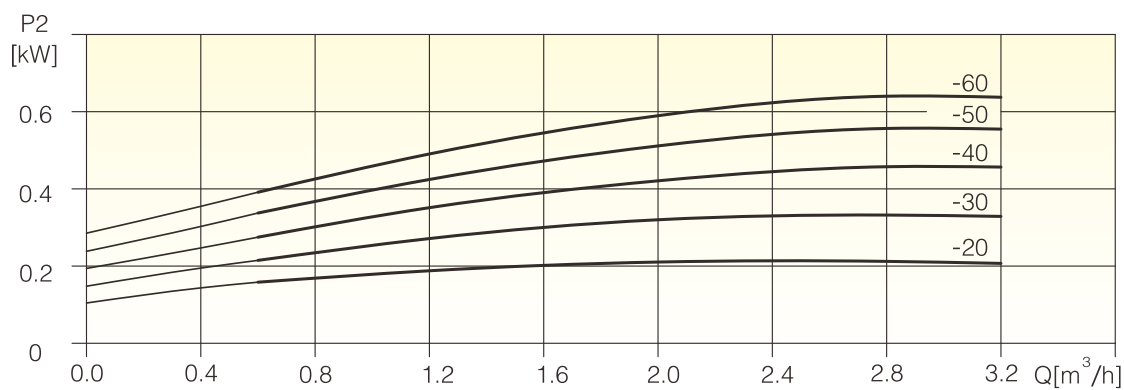
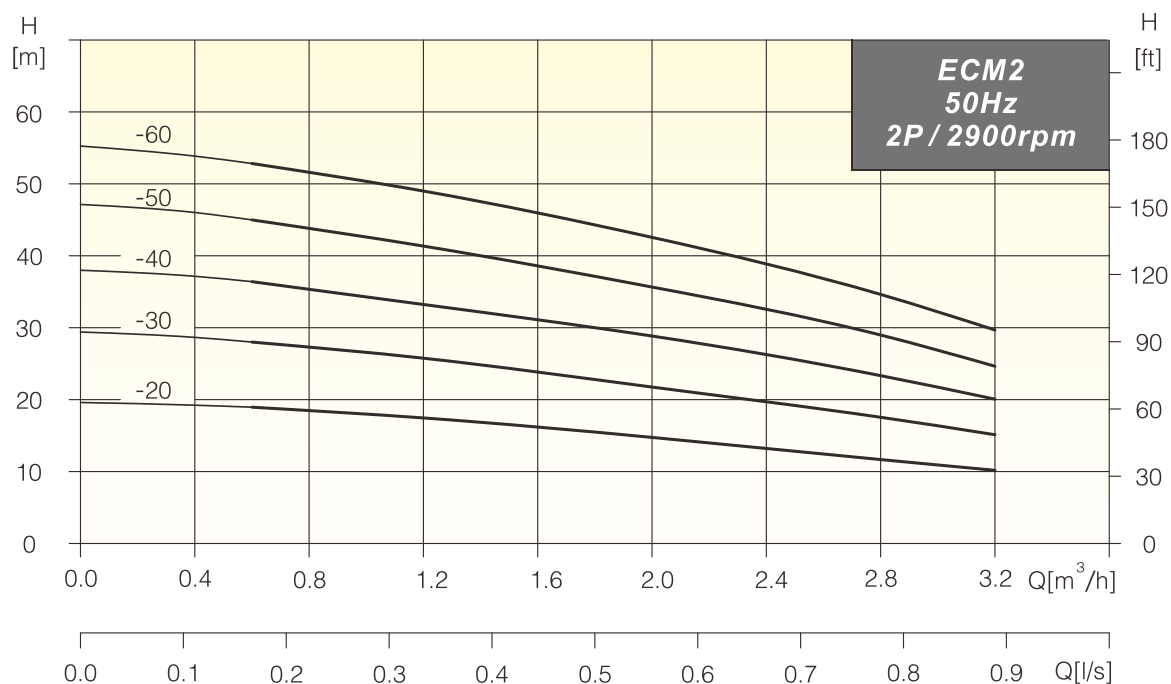


Unit:MM

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

ECM2 Technical Data

▲ Performance Curves



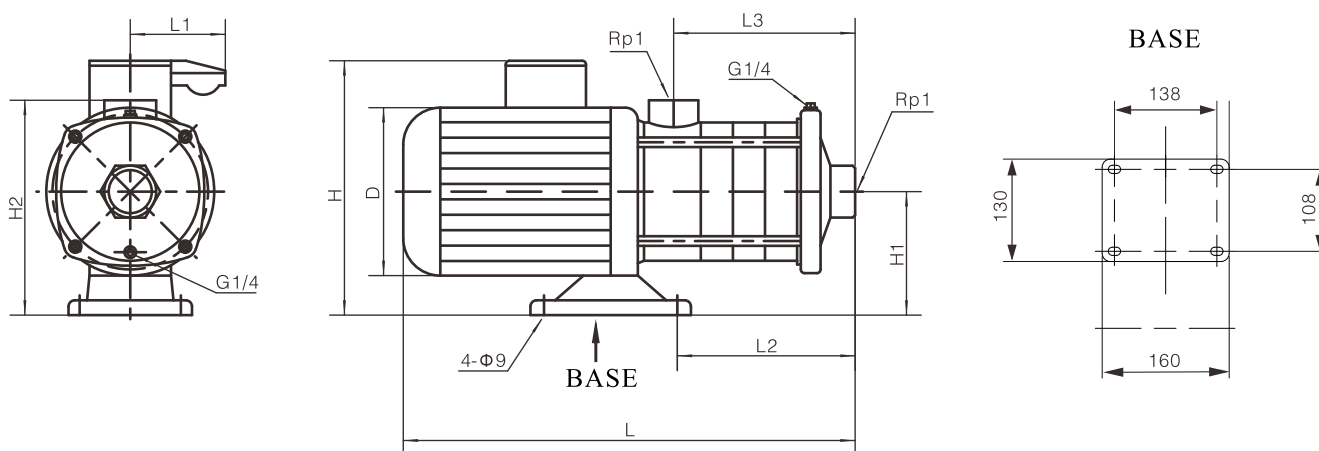
ECM2 Technical Data

Performance Table

Model	Power		Q (M ³ /hr)	0.6	1.2	1.6	2	2.4	2.8	3.2
	KW	HP								
ECM2-20(T)	0.37	0.5	H (M)	18.6	17.6	16	15	13.5	10.5	9.5
ECM2-30(T)	0.37	0.5		27.7	26	24	22	19.5	16.5	13.5
ECM2-40(T)	0.55	0.75		35.7	34	32	29	25.5	23.5	19
ECM2-50(T)	0.55	0.75		45	42	39	36	33	28	24.5
ECM2-60(T)	0.75	1.0		53	50	47.5	43.5	39	34	29.5

◎T : Three phase motor

Dimensions and Weight

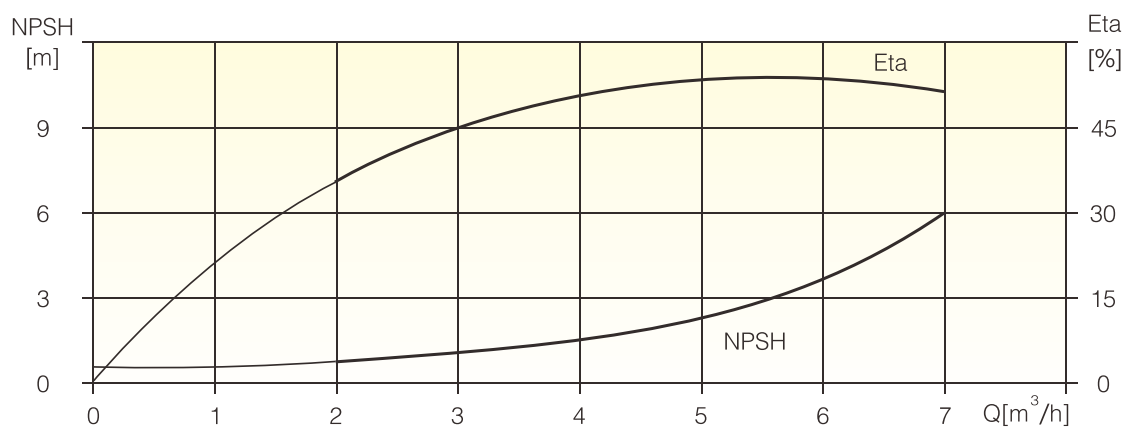
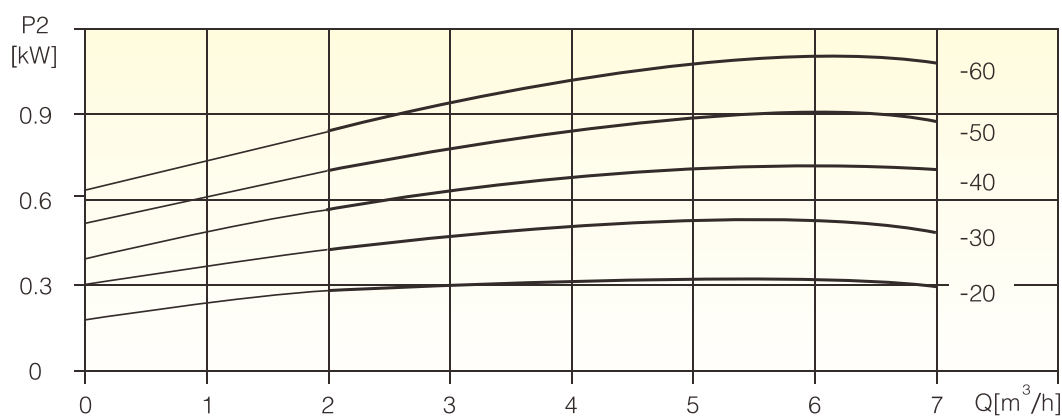
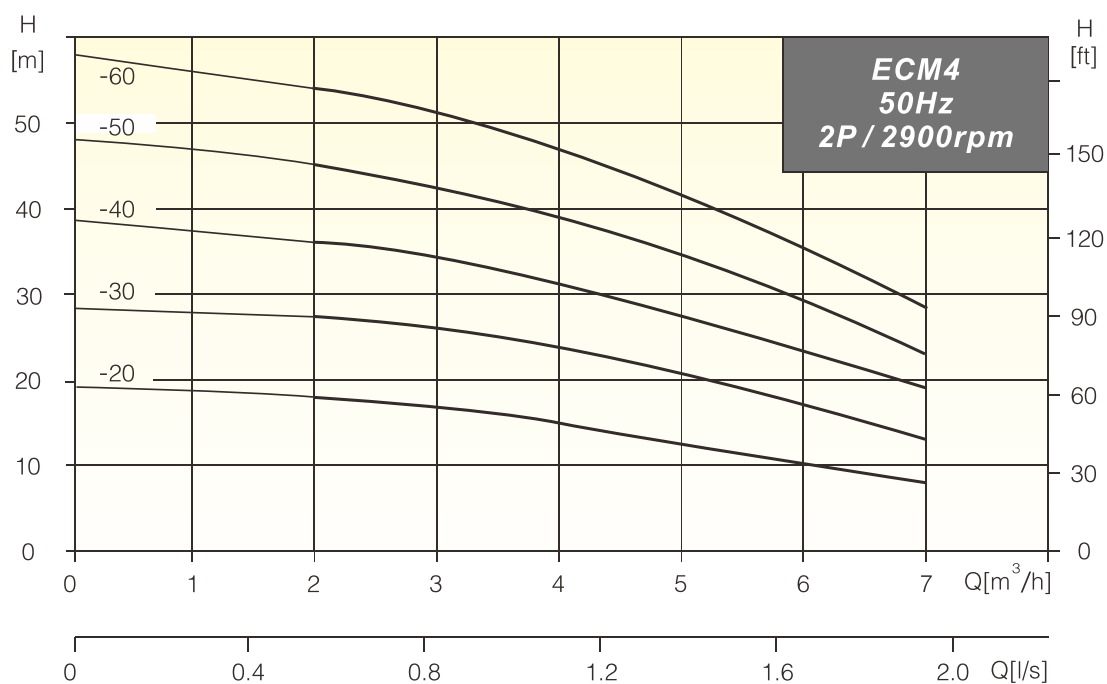


Motor Phase	Model	Dimensions (unit:mm)								Net Weight (Kg)
		L	L1	L2	L3	H	H1	H2	D	
3PH/1PH	ECM2-20(T)	314	/96	90	87	205/235	100	174	137	13
	ECM2-30(T)	332	/96	108	105	205/235	100	174	137	13
	ECM2-40(T)	350	/96	126	123	205/235	100	174	137	14
	ECM2-50(T)	368	/96	144	141	205/235	100	174	137	14
	ECM2-60(T)	446	/100	172	159	225/255	110	184	156	16

◎T : Three phase motor

ECM4 Technical Data

▲ Performance Curves



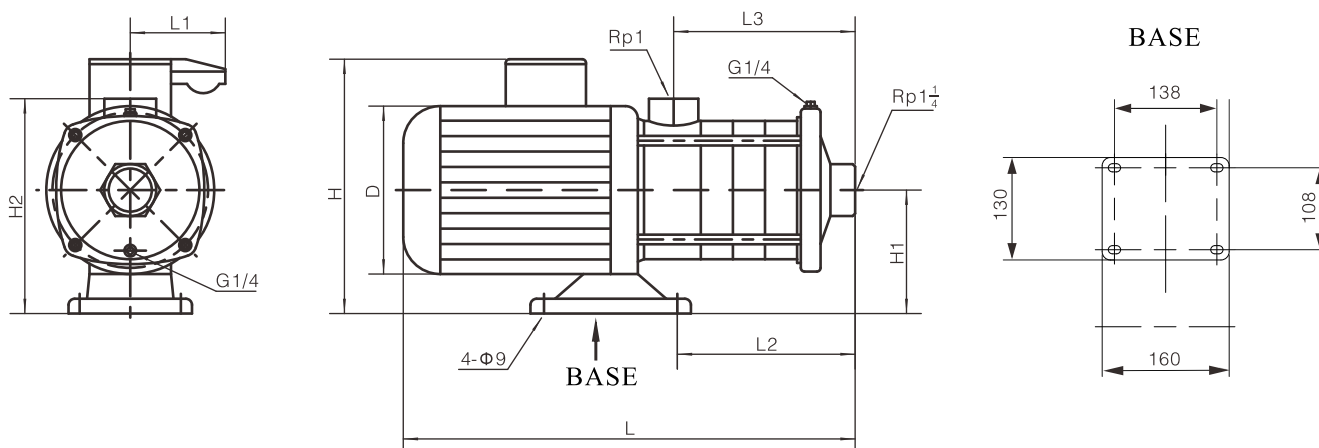
ECM4 Technical Data

Performance Table

Model	Power		Q (M ³ /hr)	1	2	3	4	5	6	7
	KW	HP								
ECM4-20(T)	0.37	0.5	H (M)	19	18	17	15	12.5	10	7.5
ECM4-30(T)	0.55	0.75		28	27	26	23.5	20.5	17	13
ECM4-40(T)	0.75	1.0		37.5	36	34	31	27	23	19
ECM4-50(T)	1.1	1.5		47	45	42.5	39	34	29	23
ECM4-60(T)	1.1	1.5		56	54	51	47	41.5	35.5	28

◎T : Three phase motor

Dimensions and Weight

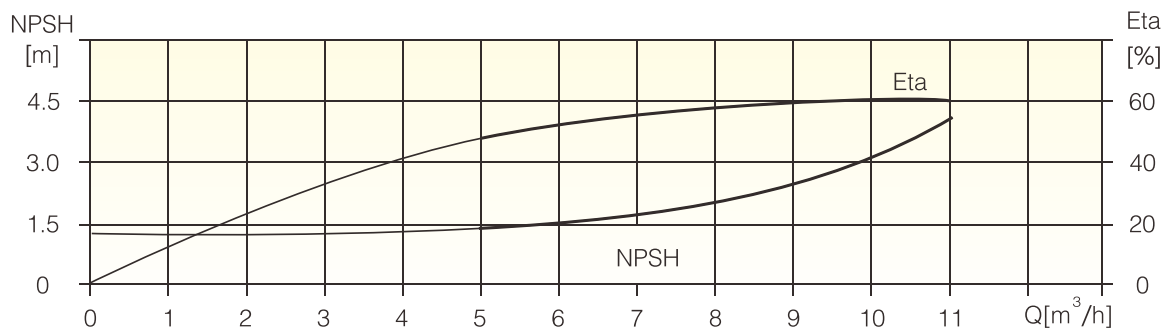
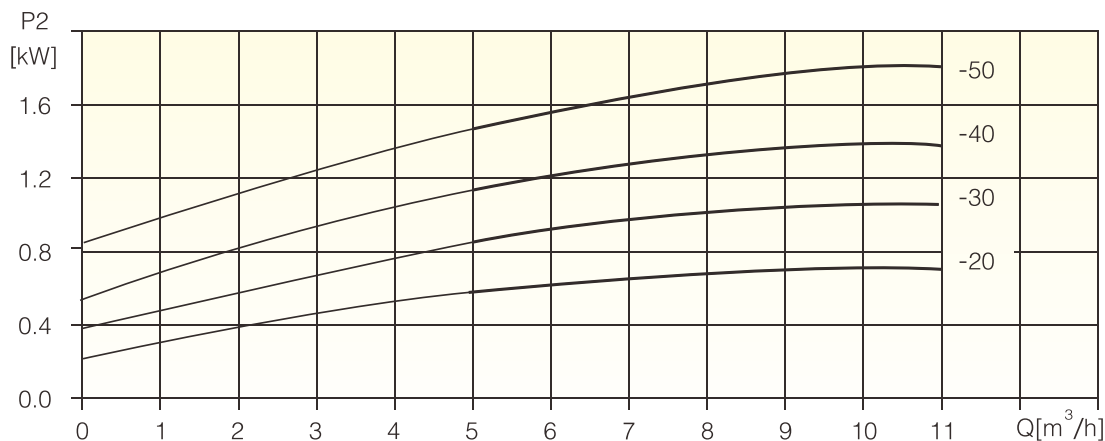
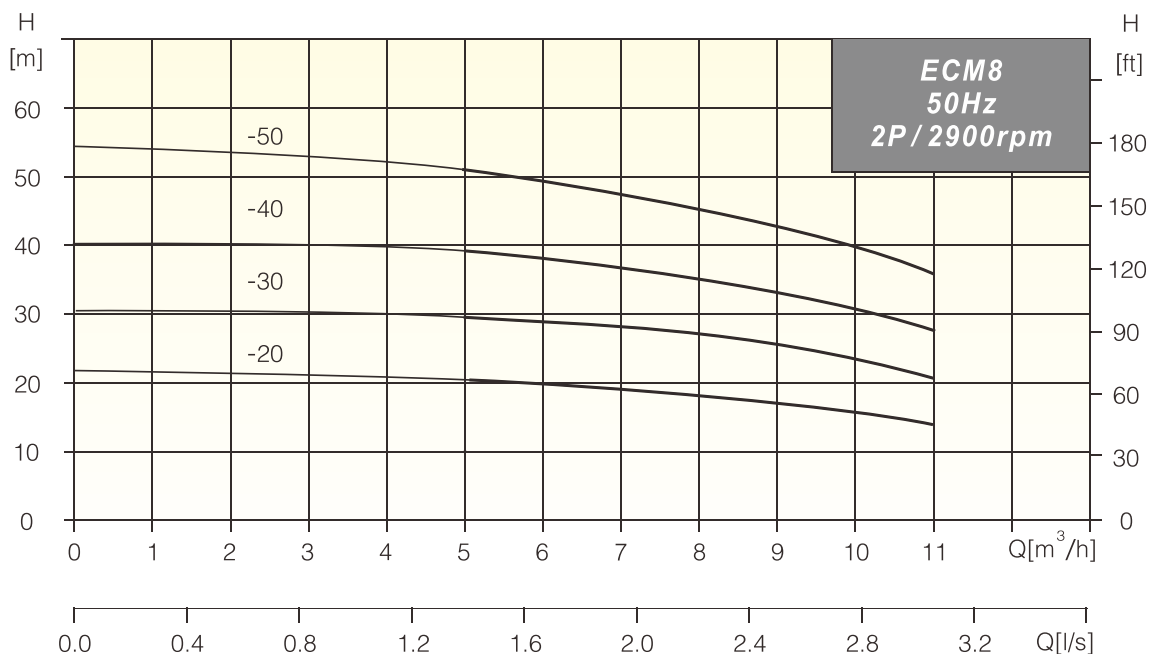


Motor Phase	Model	Dimensions (unit:mm)								Net Weight (Kg)
		L	L1	L2	L3	H	H1	H2	D	
3PH/1PH	ECM4-20(T)	332	no/96	108	105	205/235	100	174	137	13
	ECM4-30(T)	359	no/96	135	132	205/235	100	174	137	13
	ECM4-40(T)	446	no/100	172	159	225/255	110	184	156	14
	ECM4-50(T)	473	no/100	199	186	225/255	110	184	156	16
	ECM4-60(T)	500	no/100	226	213	225/255	110	184	156	16

◎T : Three phase motor

ECM8 Technical Data

▲ Performance Curves



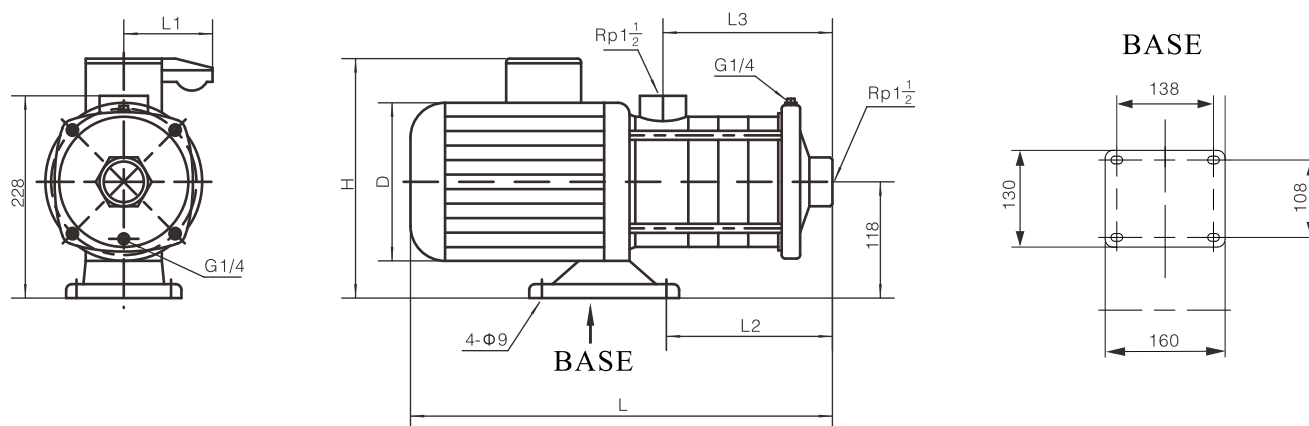
ECM8 Technical Data

Performance Table

Model	Power		Q (m ³ /h)	5	6	7	8	9	10	11
	KW	HP								
ECM8-20(T)	0.75	1	H (M)	19.5	19	18.5	17.5	16.5	15	13.5
ECM8-30(T)	1.1	1.5		29	28.5	27.5	26.5	24	22	20
ECM8-40(T)	1.5	2		39	38	36.5	35	32	29.5	26
ECM8-50(T)	2.2	3		50.5	49	46.5	44	41	38	33

◎ T : Three phase motor

Dimensions and Weight

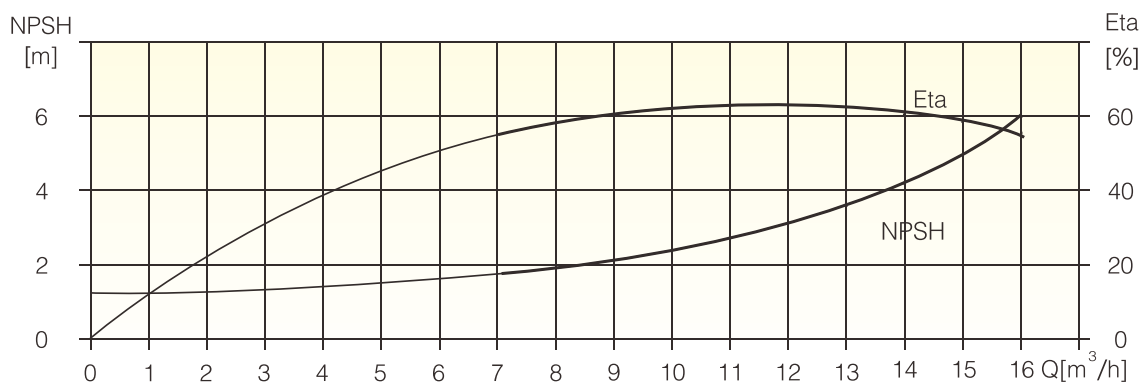
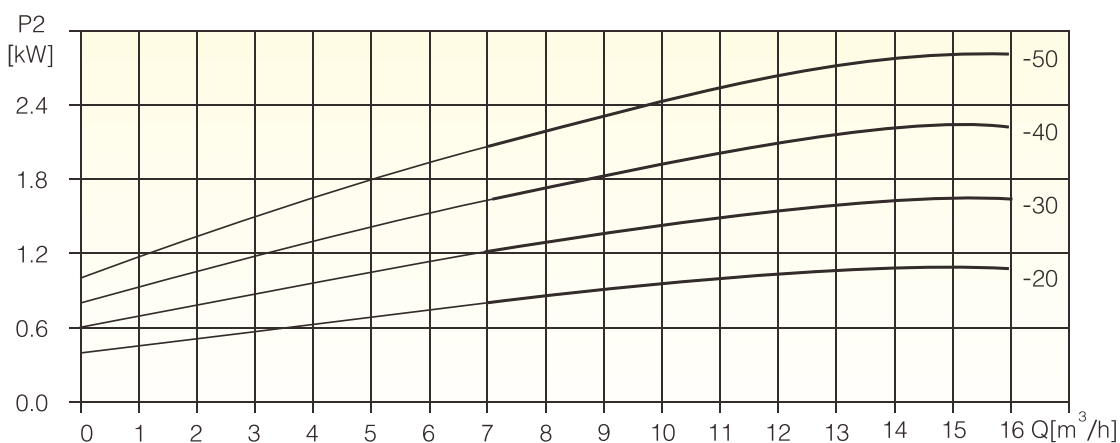
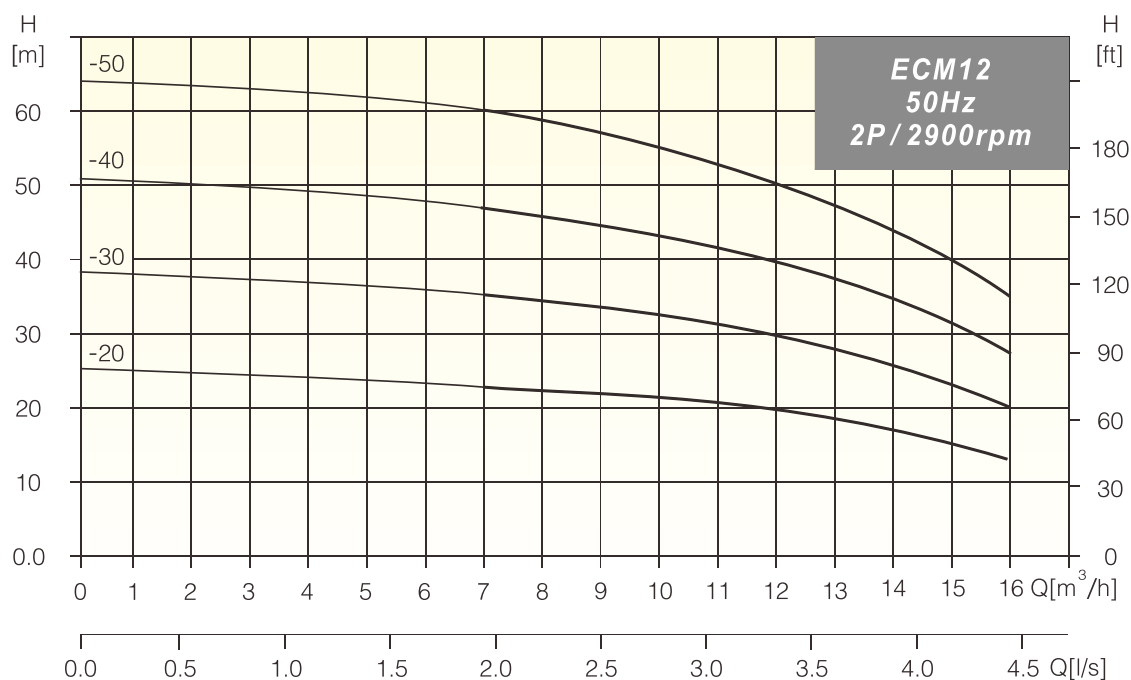


Motor Phase	Model	Dimensions (unit:mm)						Net Weight (Kg)
		L	L1	L2	L3	H	D	
3PH/1PH	ECM8-20(T)	425	no/100	130	108	225/255	156	20
	ECM8-30(T)	455	no/100	160	138	225/255	156	24
	ECM8-40(T)	493	no/100	190	168	240/270	165	28
	ECM8-50(T)	523	no/100	220	198	240/270	165	30

◎ T : Three phase motor

ECM12 Technical Data

▲ Performance Curves



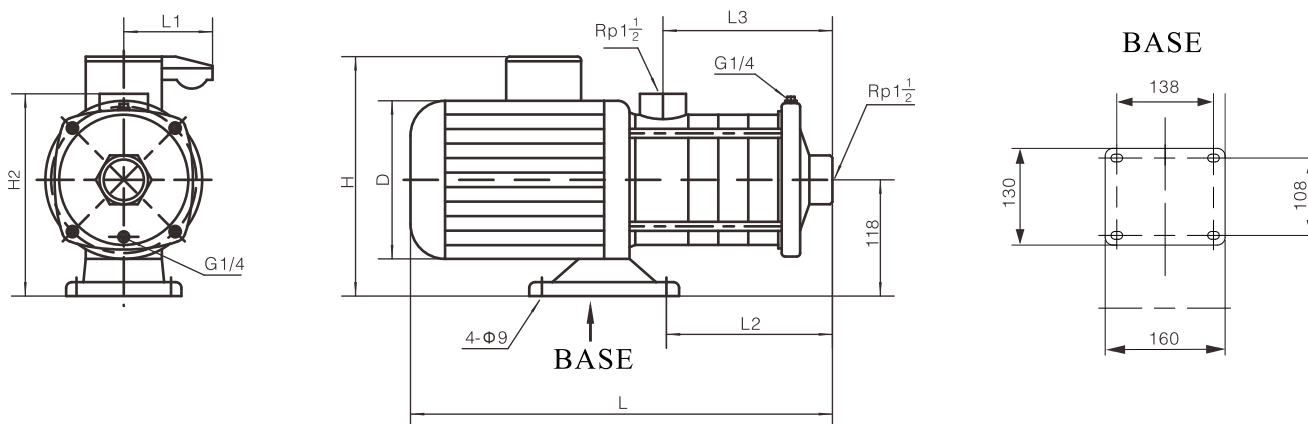
ECM12 Technical Data

Performance Table

Model	Power		Q (M ³ /hr)	7	9	11	12	13	15	16
	KW	HP								
ECM12-20(T)	1.5	2	H (M)	23	22	20.5	19.5	18.5	15.5	13
ECM12-30(T)	1.85	2.5		35	33.5	31	29.5	28	23.5	20
ECM12-40(T)	2.2	3		47	45	41.5	29.5	37.5	31.5	27.5
ECM12-50(T)	3.0	4		60	56.5	52.5	50	47	40	35

●T : Three phase motor

Dimensions and Weight

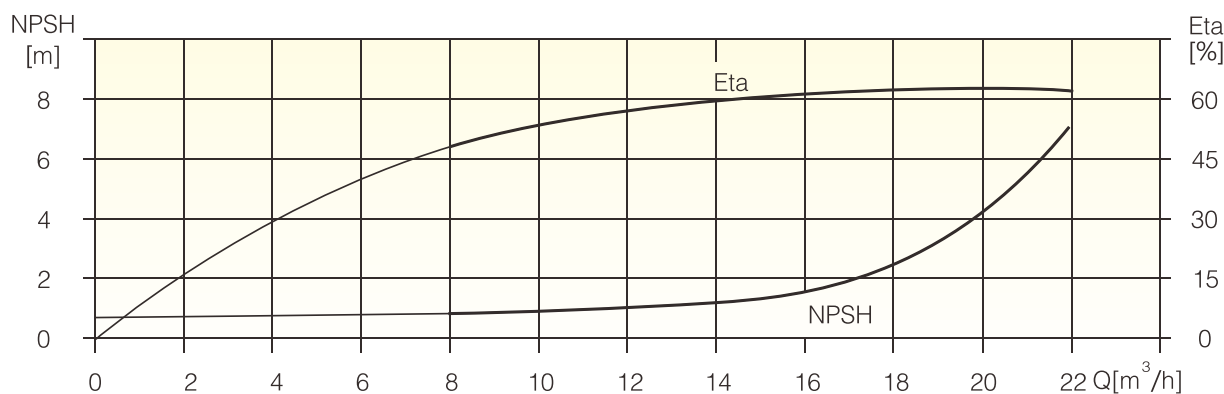
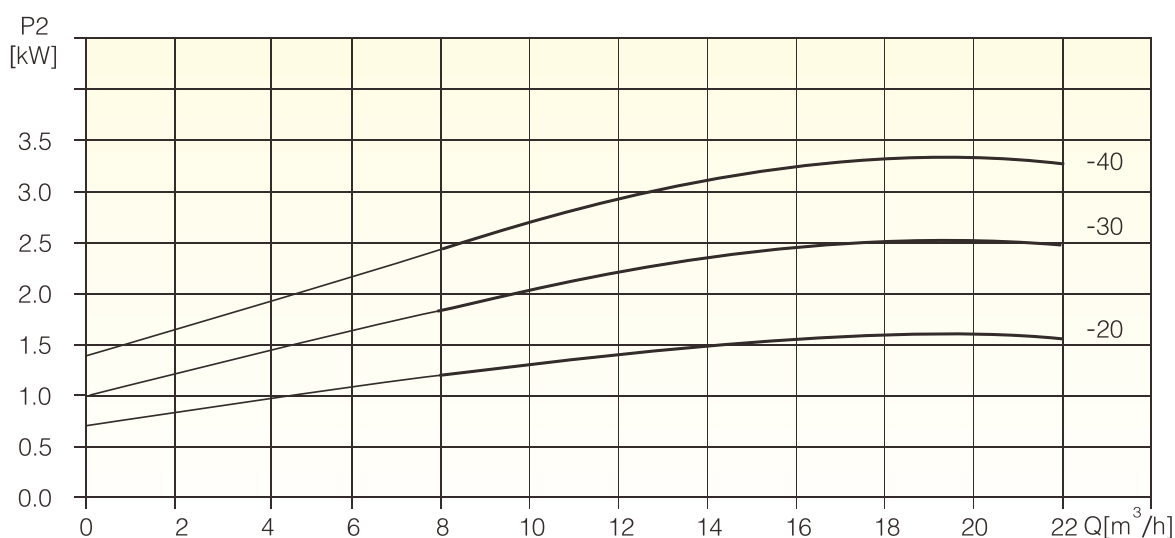
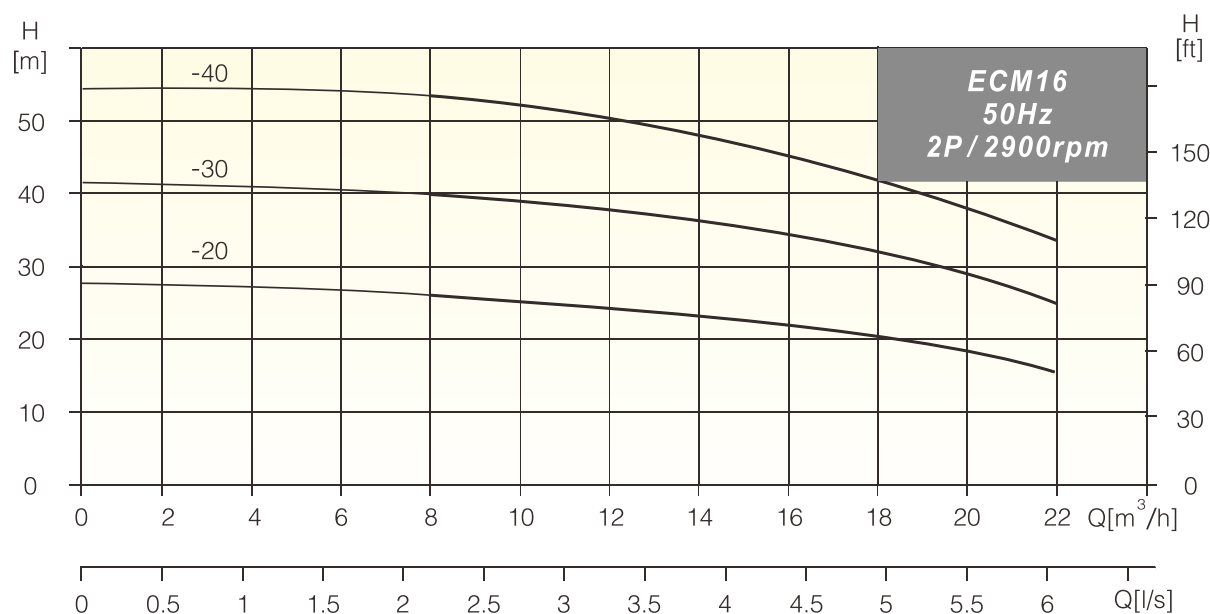


Motor Phase	Model	Dimensions (unit:mm)							Net Weight (Kg)
		L	L1	L2	L3	H	H2	D	
3PH/1PH	ECM12-20(T)	425	no/100	130	108	225/255	228	156	21
	ECM12-30(T)	462	no/100	160	138	240/270	228	165	25
	ECM12-40(T)	492	no/100	190	168	240/270	228	165	29
	ECM12-50(T)	535	no	220	198	270/no	240	177	34

●T : Three phase motor

ECM16 Technical Data

Performance Curves



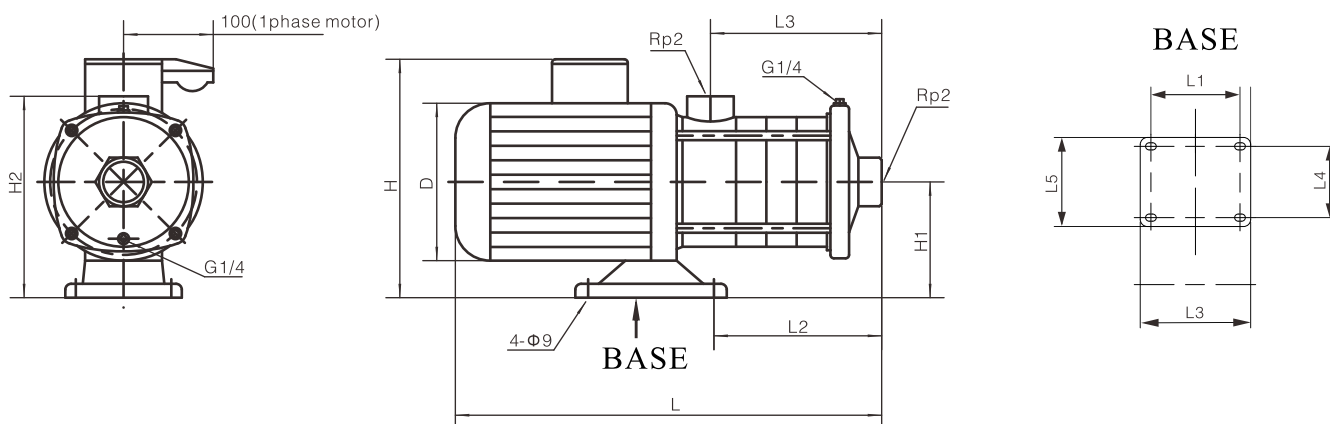
ECM16 Technical Data

Performance Table

Model	Power		Q (M ³ /hr)	8	10	12	14	16	18	20	22
	KW	HP									
ECM16-20(T)	2.2	3	H (M)	26	25	24	23	21.5	20	18	15.5
ECM16-30T	3.0	4		40	39	38	36	34	31.5	29	25
ECM16-40T	4.0	5.5		53.5	52	50	48	45	42	38	33.5

● T : Three phase motor

Dimensions and Weight

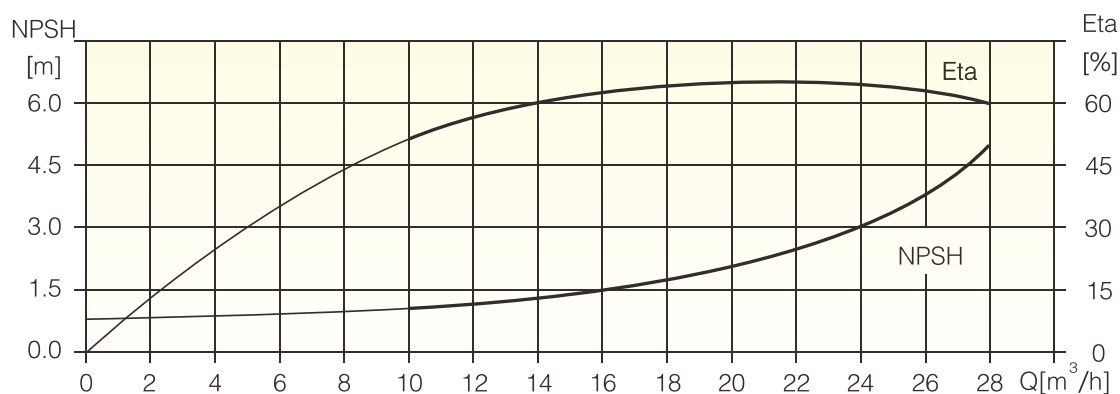
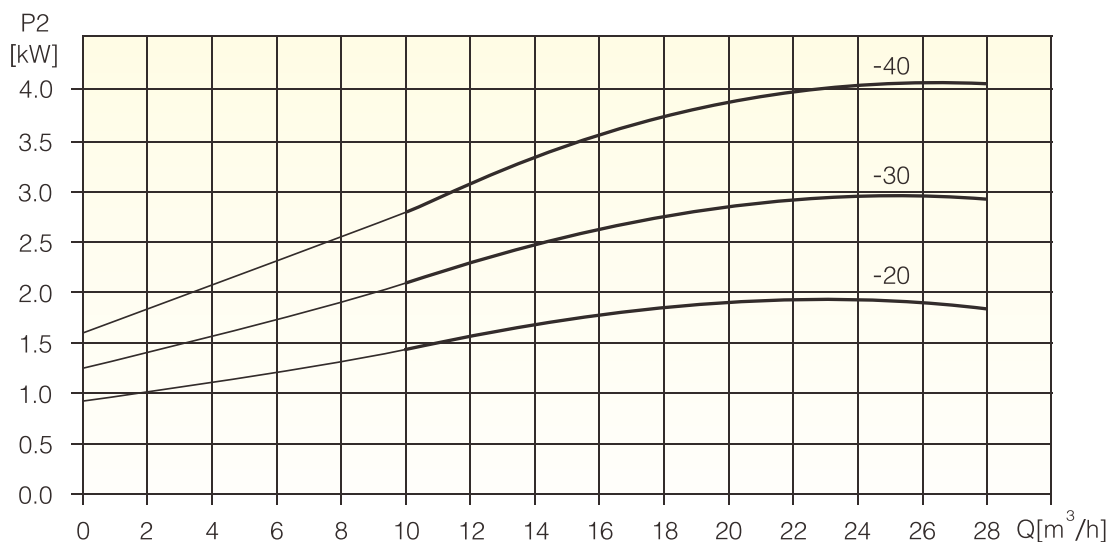
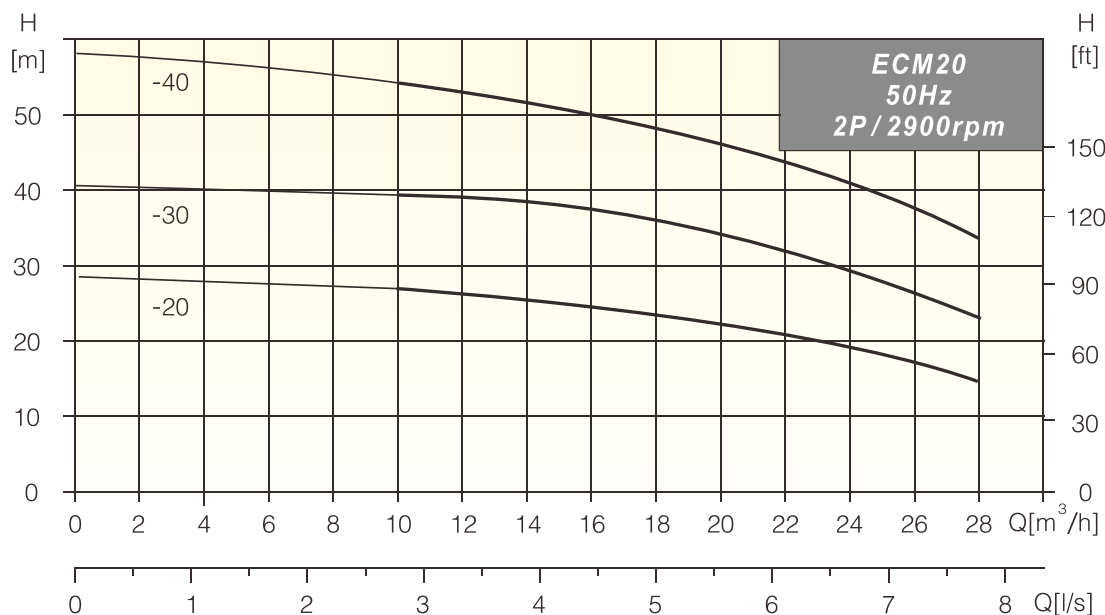


Model	Dimensions (unit:mm)												Net Weight (Kg)
	L	L1	L2	L3	L4	L5	L6	H (3PH)	H (1PH)	H1	H2	D	
ECM16-20(T)	458	138	155	126	160	108	130	240	270	118	228	165	27
ECM16-30T	515	138	200	171	160	108	130	270	-----	130	240	177	33
ECM16-40T	585	140	245	216	170	190	230	270	-----	120	230	220	40

● T : Three phase motor

ECM20 Technical Data

Performance Curves



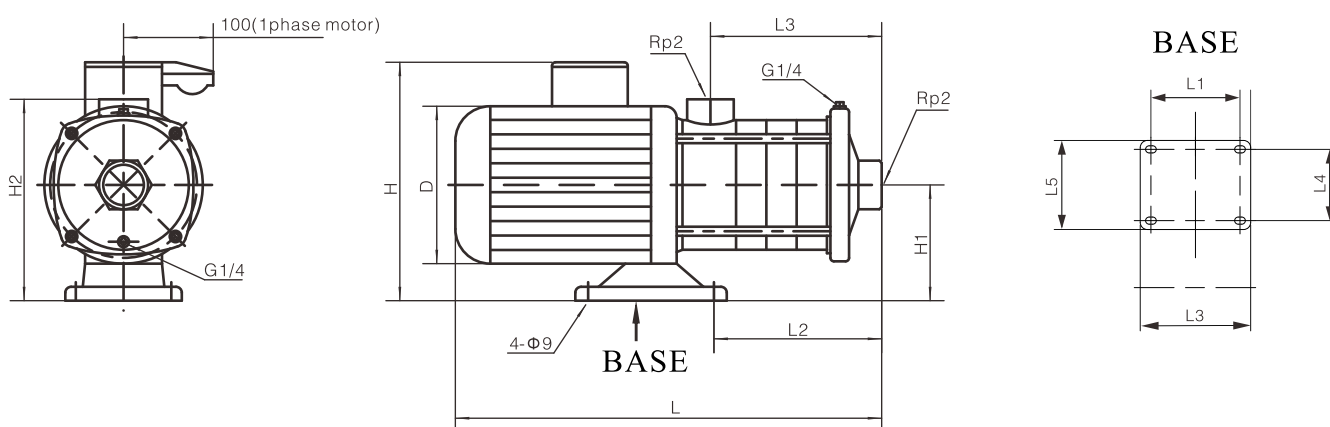
ECM20 Technical Data

Performance Table

Model	Power		Q (M ³ /hr)	10	14	16	18	20	22	24	28
	KW	HP									
ECM20-20(T)	2.2	3	H (M)	27	25.5	25	23.5	22	20.5	18.5	14.5
ECM20-30T	4.0	5.5		39.5	38	37.5	35.5	34	31	29	23
ECM20-40T	4.5	6		53	51	50	48.5	46.5	43	40	32.5

● T : Three phase motor

Dimensions and Weight



Model	Dimensions (unit:mm)												Net Weight (Kg)
	L	L1	L2	L3	L4	L5	L6	H (3PH)	H (1PH)	H1	H2	D	
ECM20-20(T)	458	138	155	126	160	108	130	240	270	118	228	180	27
ECM20-30T	540	140	200	171	170	190	230	270	-----	120	230	220	40
ECM20-40T	585	140	245	216	170	190	230	270	-----	120	230	220	44

● T : Three phase motor