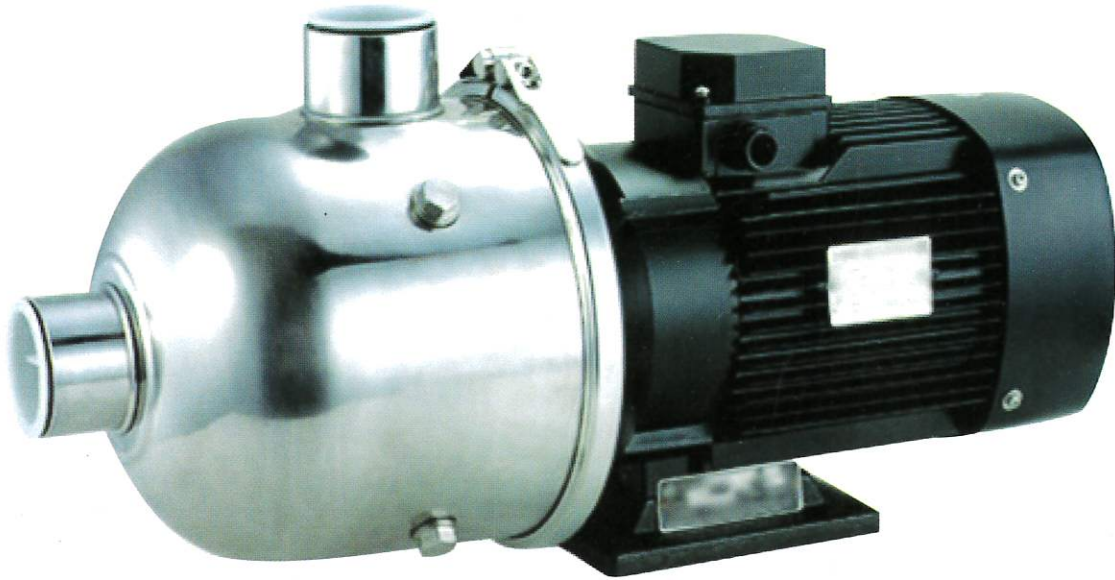


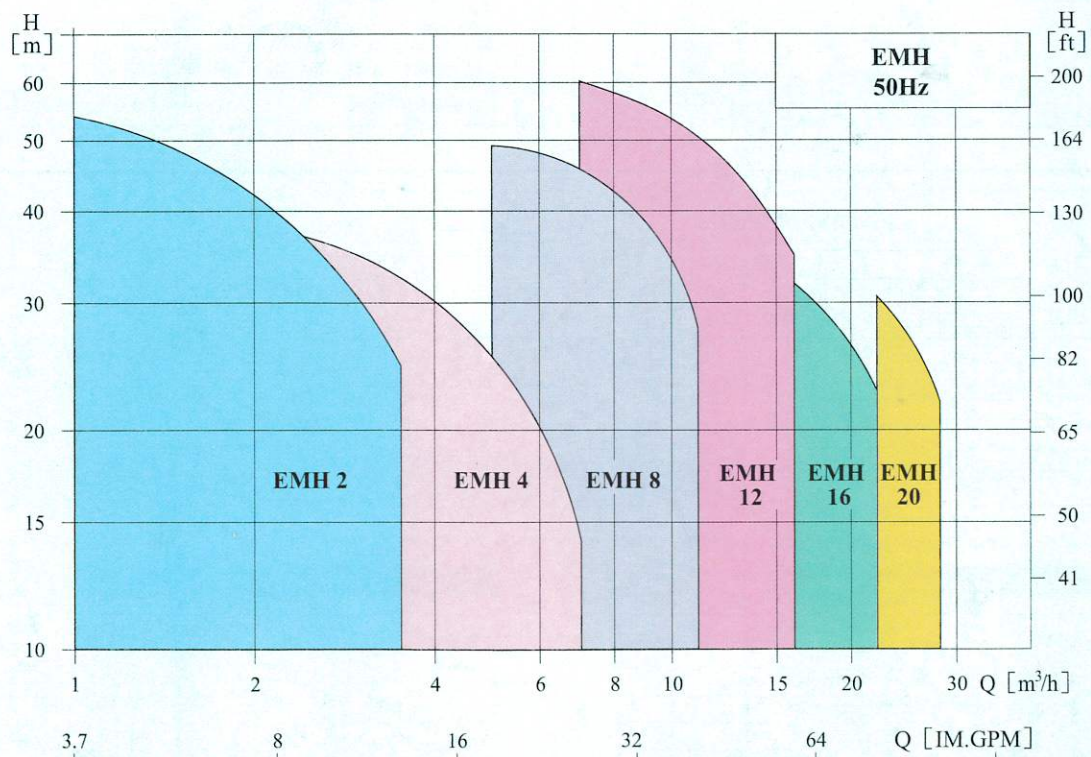
Pressure Boosting Pumps
 for Mechanical Building
 and Industrial Services
 Horizontal Models



EMH Series



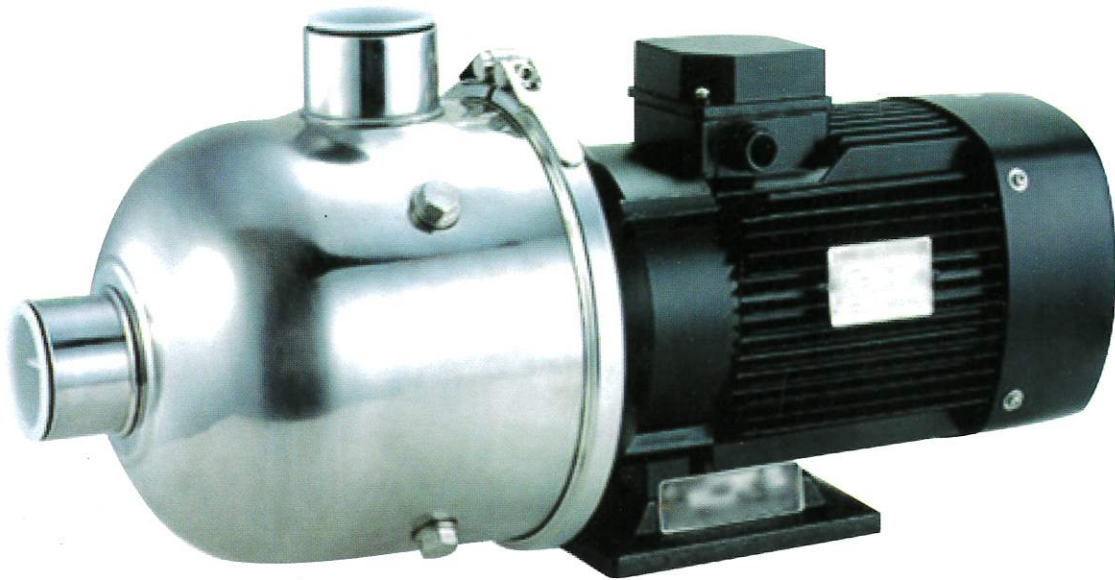
Family Performance Scope



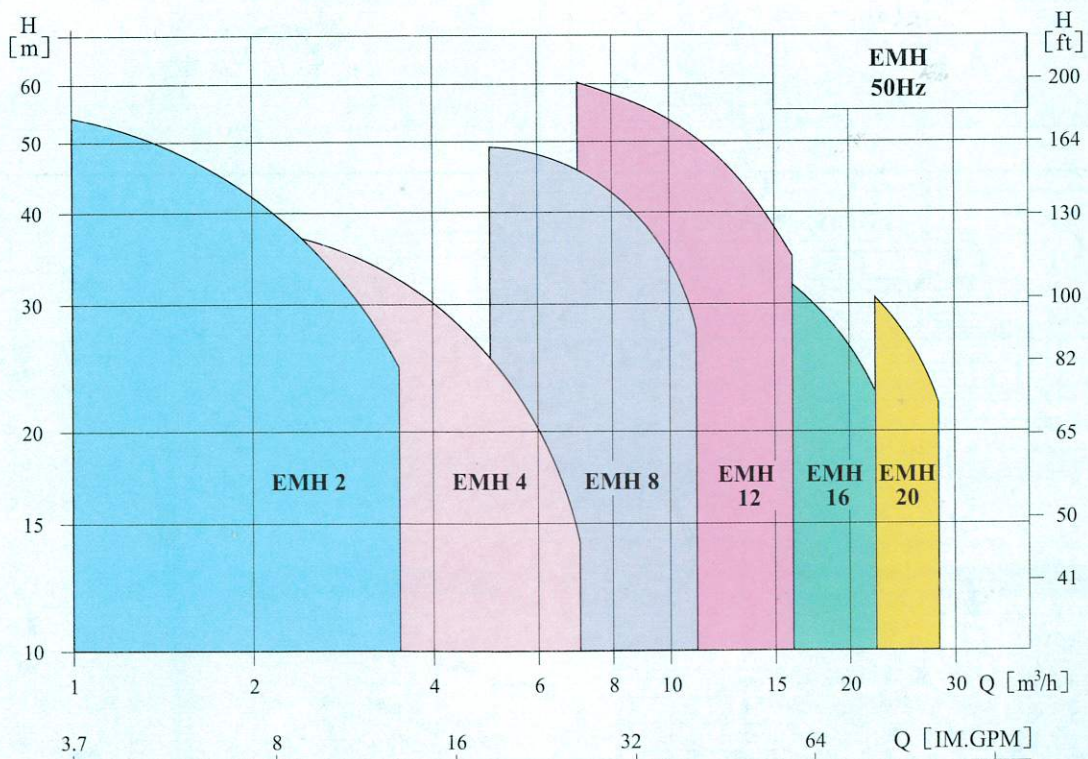
Pressure Boosting Pumps
 for Mechanical Building
 and Industrial Services
 Horizontal Models



EMH Series



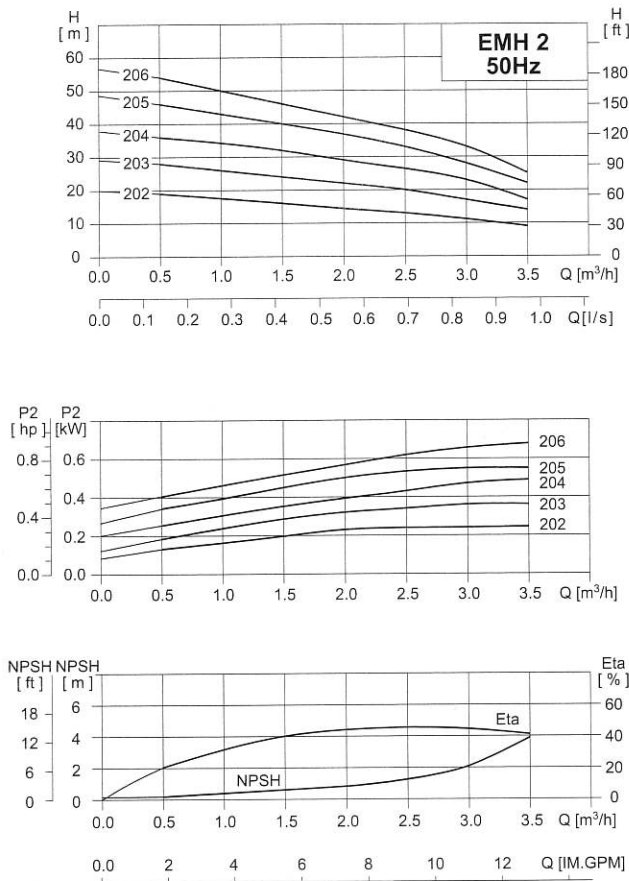
Family Performance Scope



EMH 2 50HZ

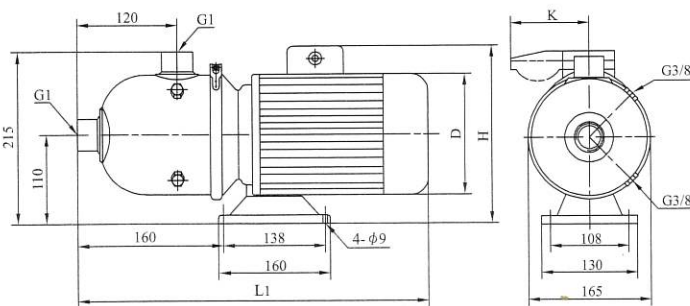
EMH 4 50HZ

Performance Curve



Performance Table

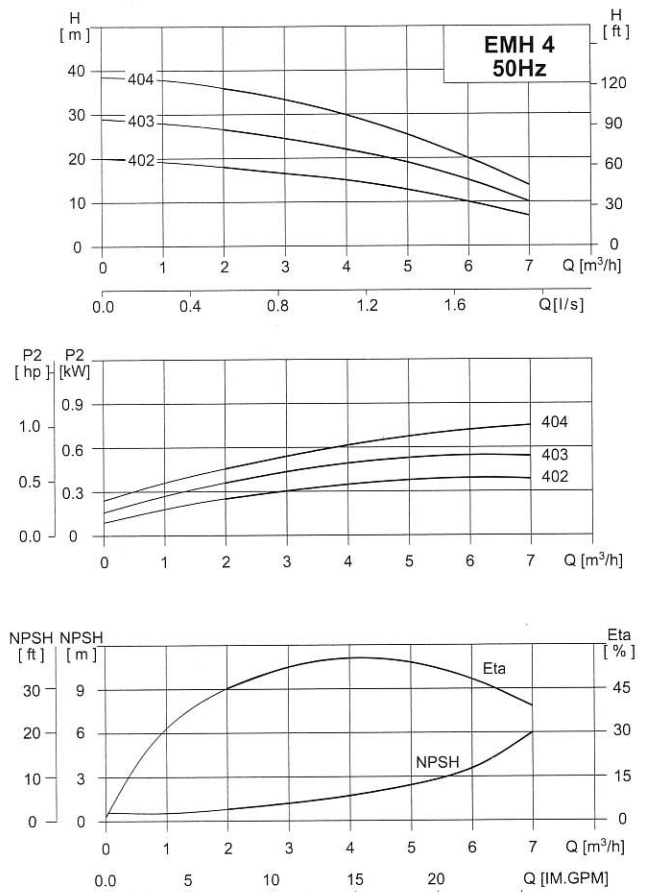
MODEL	Driving Motor(kW)	Q(m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
EMH202	0.37	H (m)	19	18	16	14	13	11	9
EMH203	0.55		28	27	24	21	20	17	14
EMH204	0.55		36	34	32	28	26	23	17
EMH205	0.55		46	43	40	35	33	28	22
EMH206	0.75		54	50	48	42	38	33	25



Size and Weight Table

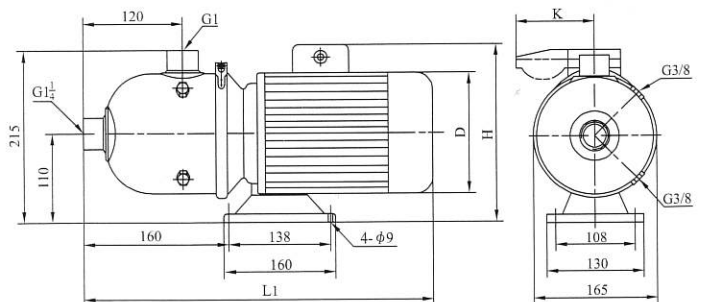
Supply voltage	MODEL	Size (mm)				Weight (kg)
		L1	D	H	K	
Three phase/ Single phase	EMH202	400	145	215/230	/96	13
	EMH203	400	145	215/230	/96	13
	EMH204	400	145	215/230	/96	13
	EMH205	400	145	215/230	/96	13
	EMH206	445	170	225/245	/100	15

Performance Curve



Performance Table

MODEL	Driving Motor(kW)	Q(m³/h)	1	2	3	4	5	6	7
EMH402	0.55	H (m)	19	18	16	15	13	10	7
EMH403	0.75		28	27	24	22	19	15	10
EMH404	0.75		38	36	32	30	26	20	14



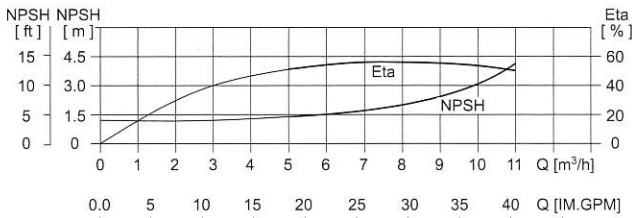
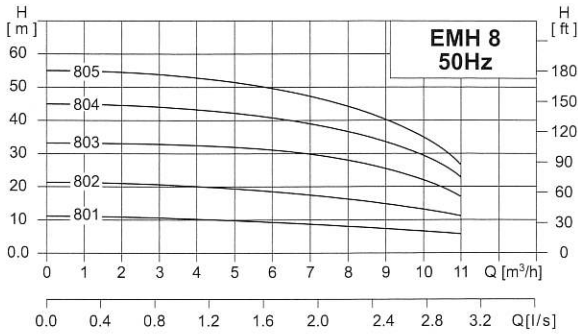
Size and Weight Table

Supply voltage	MODEL	Size (mm)				Weight (kg)
		L1	D	H	K	
Three phase/ Single phase	EMH402	400	145	215/230	/96	12
	EMH403	445	170	225/245	/100	15
	EMH404	445	170	225/245	/100	15

EMH 8 50Hz

EMH 12 50Hz

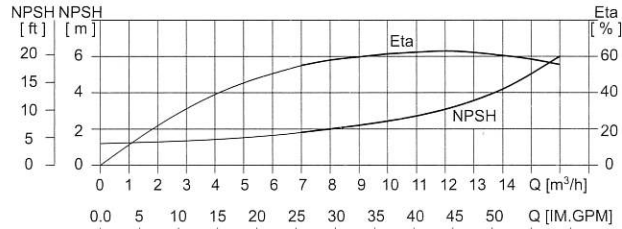
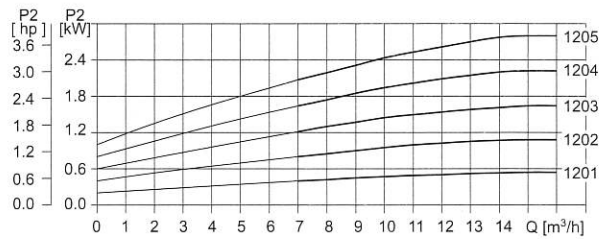
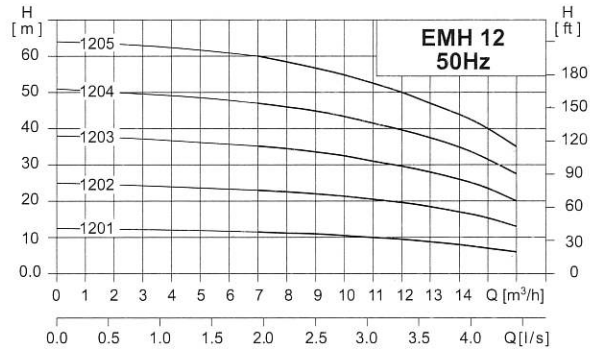
Performance Curve



Performance Table

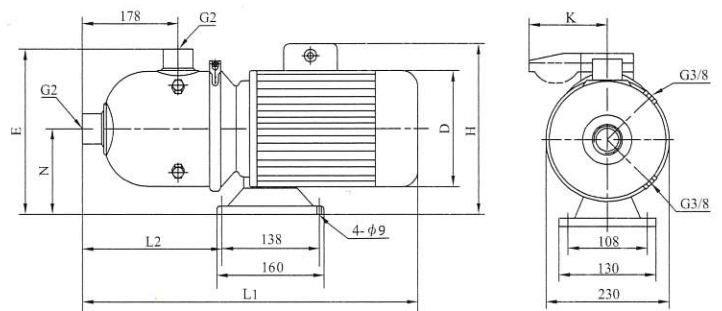
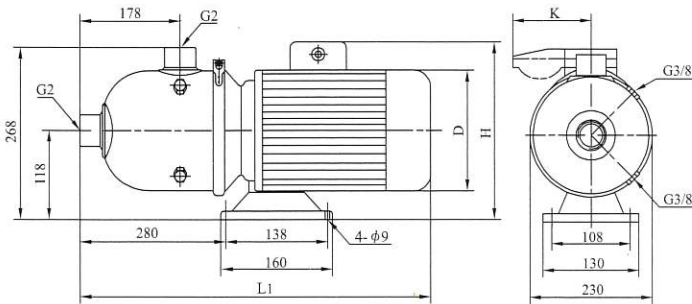
MODEL	Driving Motor(kW)	Q(m³/h)	5	6	7	8	9	10	11
EMH801	0.75	H (m)	9.5	9.3	9	8.5	7.5	6.5	5.5
EMH802	0.75		19	18.5	18	17	15	13	11
EMH803	1.1		29	28	27	26	22.5	20	17.5
EMH804	1.5		39	38	36	35	30	26.5	22.5
EMH805	2.2		49	47	45	43	38	33.5	28

Performance Curve



Performance Table

MODEL	Driving Motor(kW)	Q(m³/h)	7	8	9	10	11	12	13	14	15	16
EMH1201	0.75	H (m)	11.5	11.2	11	10.5	10	9.5	9	8	7	6
EMH1202	1.2		23	22.5	22	21.5	20.5	19.5	18.5	17	15.5	13
EMH1203	1.8		35	34.5	33.5	32.5	31	29.5	28	26	23.5	20
EMH1204	2.4		47	46	45	43.5	41.5	39.5	37.5	35	31.5	27.5
EMH1205	3		60	58	56.5	55	52.5	50	47	44	40	35



Size and Weight Table

Supply voltage	MODEL	Size (mm)				Weight (kg)
		L1	D	H	K	
Three phase/ Single phase	EMH801	560	170	230/265	/100	20
	EMH802	560	170	230/265	/100	20
	EMH803	560	170	230/265	/100	25
	EMH804	580	180	240/270	/100	25
	EMH805	580	180	240/270	/100	30

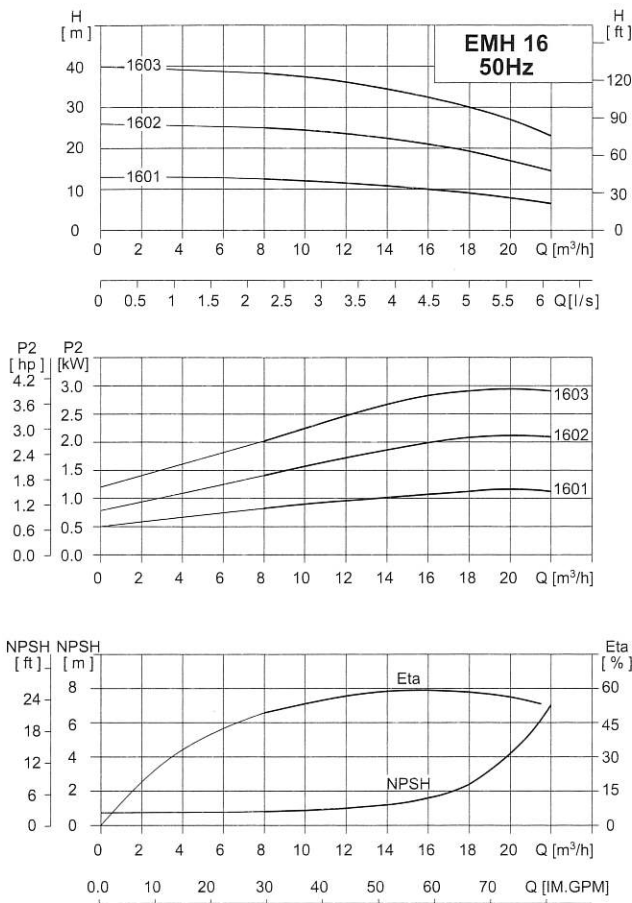
Size and Weight Table

Supply voltage	MODEL	Size (mm)							Weight (kg)
		L1	L2	H	D	E	N	K	
Three phase/ Single phase	EMH1201	560	280	230/265	170	268	118	/100	20
	EMH1202	560	280	230/265	170	268	118	/100	21
	EMH1203	580	280	240/270	180	268	118	/100	25
	EMH1204	580	280	240/270	180	268	118	/100	29
	EMH1205	610	270	270/	195	276	126		34

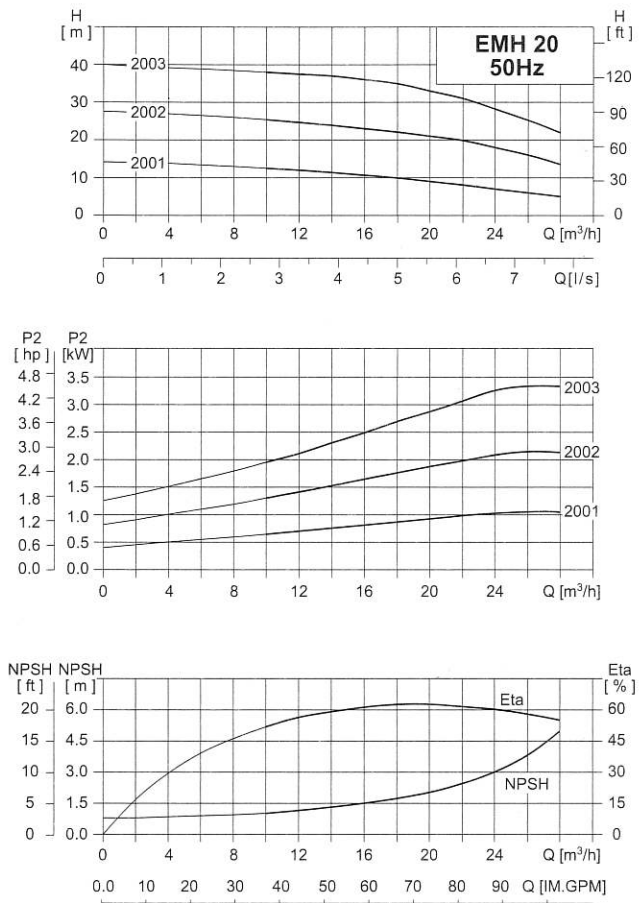
EMH 16 50HZ

EMH 20 50HZ

Performance Curve



Performance Curve

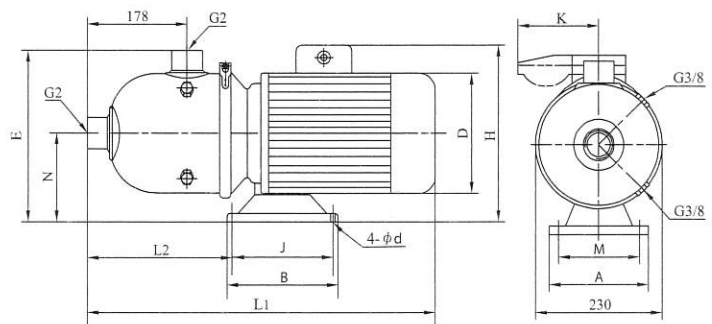
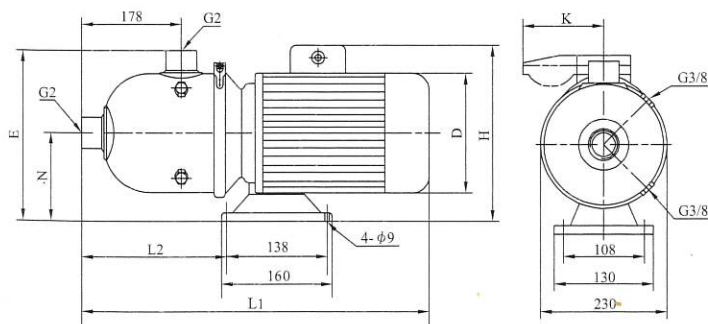


Performance Table

MODEL	Driving Motor(kW)	Q(m³/h)	8	10	12	14	16	18	20	22
EMH1601	1.1	H (m)	12.5	12	11.5	10.5	10	9	7.5	6.5
EMH1602	2.2		25.5	24	23	22	21	19	17	14.5
EMH1603	3		38.5	37	36	34	32	30	27	23

Performance Table

MODEL	Driving Motor(kW)	Q(m³/h)	10	12	14	16	18	20	22	24	26	28
EMH2001	1.1	H (m)	12.5	12	11.5	11	10.5	9.5	8.5	7.5	6.5	5.5
EMH2002	2.2		25.5	24.5	24	23	22	21	20	18	16	13.5
EMH2003	4		38	37.5	37	36	35	33	31	28	25	22



Size and Weight Table

Supply voltage	MODEL	Size (mm)							Weight (kg)
		L1	L2	E	N	D	H	K	
Three phase/ Single phase	EMH1601	560	280	268	118	170	230/265	/100	20
	EMH1602	580	280	268	118	180	240/270	/100	27
	EMH1603	610	270	276	126	195	270^		34

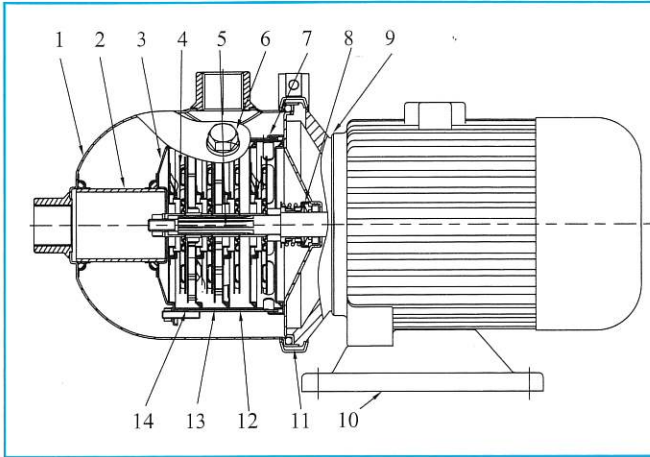
Size and Weight Table

Supply voltage	MODEL	Size (mm)											W (kg)	
		L1	L2	H	D	E	N	A	M	B	J	d		K
Three phase/ Single phase	EMH2001	560	280	230/265	170	268	118	130	108	160	138	9	/100	21
	EMH2002	580	280	240/270	180	268	118	130	108	160	138	9	/100	28
	EMH2003	650	360	270/	220	270	120	230	190	170	140	12		42

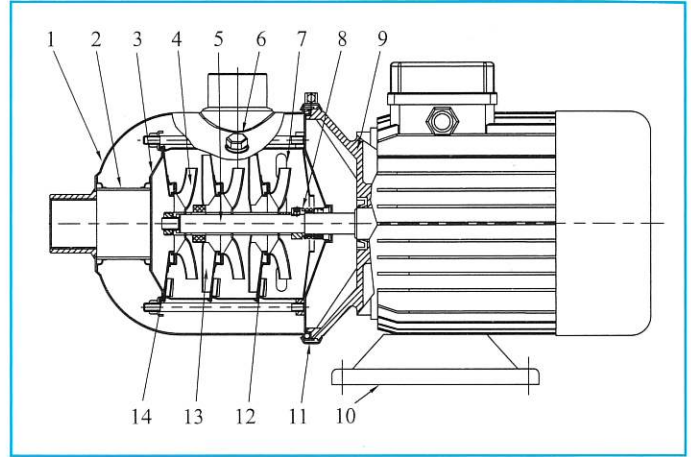
GENERAL DATA

EMH Series LIGHT Horizontal Multistage Centrifugal Pump

Section Drawing EMH 2, 4



Section Drawing EMH 8, 12, 16, 20



Construction Material

No	Name	Material	AISI / ASTM
1	Inlet and outlet section	Stainless steel	AISI304
2	Connection pipe	Stainless steel	AISI304
3	Clamp plate	Stainless steel	AISI304
4	Impeller	Stainless steel	AISI304
5	Shaft	Stainless steel	AISI304
6	Gag	Stainless steel	AISI304
7	Water-out guide vane	Stainless steel	AISI304
8	Mechanical seal		
9	Motor and cover	Aluminium alloy	
10	Base frame	Cast iron	ASTM25B
11	Quick joint	Stainless steel	AISI304
12	Guide vane	Stainless steel	AISI304
13	Support guide vane	Stainless steel	AISI304
14	Inducers	Stainless steel	AISI304

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Application

EMH type pump are mainly used in industrial field:

- Air-conditioning system
- Cooling system
- Industrial cleaning
- Water treatment (water purification)
- Agriculture
- Fertilizing / metering system
- Environmental application
- Other special applications

Application Medium

- Thin and clean non-flammable and non-explosive liquid
- Mineral water, soft water, pure water, edible vegetable oil and other light chemical medium
- When the density or viscosity of to-be-conveyed liquid is larger than that of water, it is necessary to select a driving motor of high power
- Whether a specific liquid is suitable for the pump depends on many factors, among which the most important ones are chlorine content, PH value, temperature, solvent and oil content.

Operation Condition

- Liquid temperature:
Normal temperature type: $-15^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Hot water type: $-15^{\circ}\text{C} \sim +110^{\circ}\text{C}$
- Highest ambient temperature: $+40^{\circ}\text{C}$
- Max. operation pressure: 10 bar
- Max. inlet pressure is limited by max. operation pressure

Electric Motor

- Full-enclose, air-blast two-pole motor
- Protection class: IP55
- Insulation class: F
- Standard voltage, 50Hz:
1 x 220 - 240V
3 x 220 - 240V / 380 - 415V

Definition of Model

EMH 403

Light horizontal multistage centrifugal pump

Flow passage component: stainless steel 304 or 316 (Optional)

H - stand for : "section type" pump "Water-in and water-out body is of stainless steel"

4 - Nominal flow m^3/h

30 - Stage x 10

Pump

- Horizontal multistage non-self-priming centrifugal pump, attached with long shaft electric motor
- Compact structure renders small size of pump; axial inlet and radial outlet.

Connection Port	EMH 2	EMH 4	EMH 8, 12, 16, 20
inlet	G1	G1 $\frac{1}{4}$	G2
outlet	G1	G1	G2