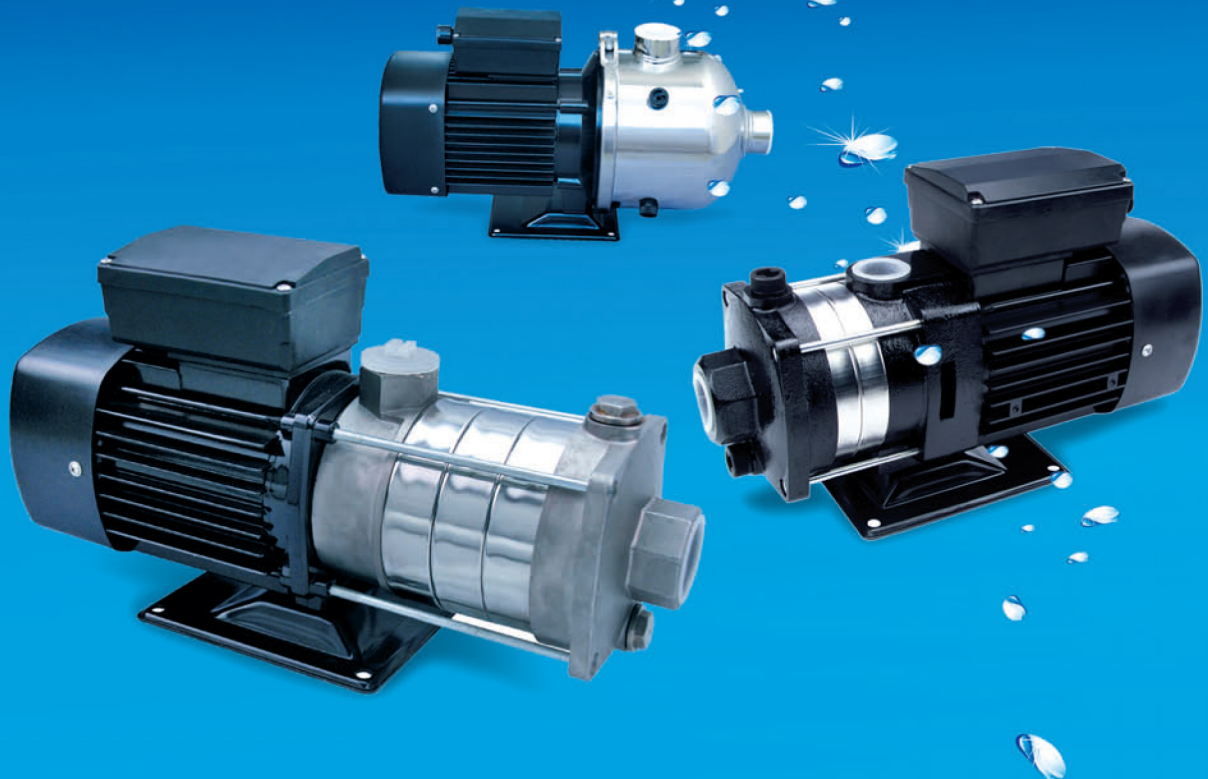




VITA PUMPS

CM,CMH

50Hz Horizontal multistage centrifugal pump





reserves the rights to modify design and technical specifications

Applications

The CMF, CM(H) series are primarily for the industry :

01. Water treatment processes
02. Industrial cleaner and dishwasher
03. Water boosting on process
04. Heating and cooling for industrial process
05. Air-conditioning system
06. Air freshening heater device(soft water)
07. Water supply and boosting(drinking water light chlorine water)
08. Fertilization/metering system
09. Many other special using

Applicable medium

- 01.Thin, clean, non-flammable and non-explosive liquid containing no solid granules and fibers;
- 02.Mineral water, soft water, pure water, edible vegetable oil and other light chemical mediums.
- 03.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.
- 04.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

- 01.Liquid temperature:ambient temperature 15°C – +70°C,hot water less than 105°C;
- 02.Max. environmental temperature:+ 50°C
- 03.Max. operating pressure: 10 bar
- 04.Max. suction pressure is licited by mad. operatingpressure

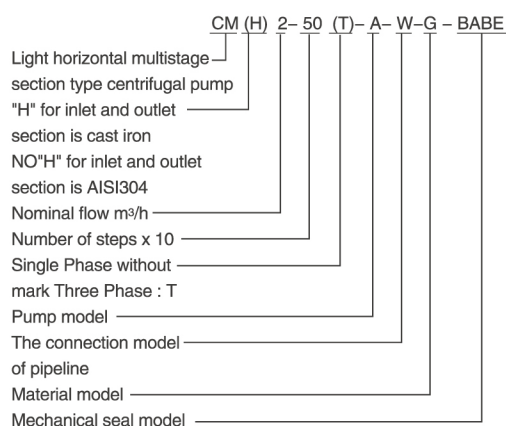
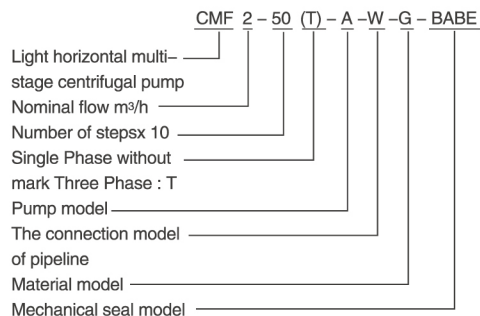
Electric Motor

- 01.2-pole induction motor;
- 02.Single-phase220–240V/50Hz,110V/60Hz, 220V/60Hz
- 03.Three-phase: 380–415V/50Hz, 380–415V/60Hz
- 04.Insulation class: B or F
- 05.Protection: IPX5
- 03.Continuous duty
- 04.Single-phase with input thermal protector

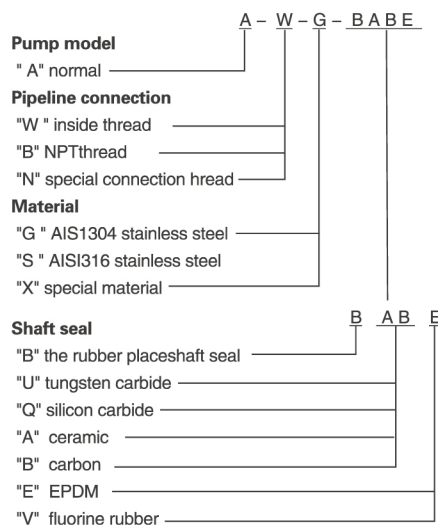
Pump

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

Connotation of the type



Code number explanation

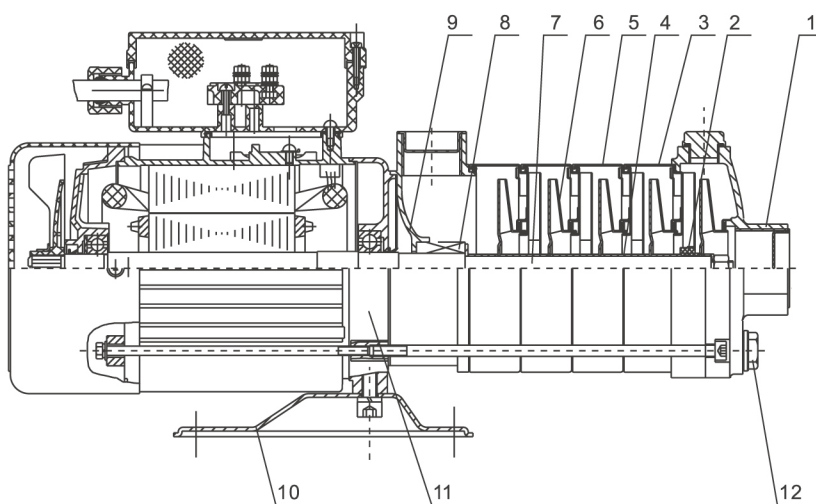


Connection port	CMF2,CM2 CMH 2	CMF4,CM 4 CMH4	CMF8,CM8	CMH 8	CMF12,CM12 CMH12	CMF16,CM16	CMF20,CM20
Inlet	G1	G1¼	G1½	G1½	G1½	G2	G2
Outlet	G1	G1	G1½	G1¼	G1½	G2	G2

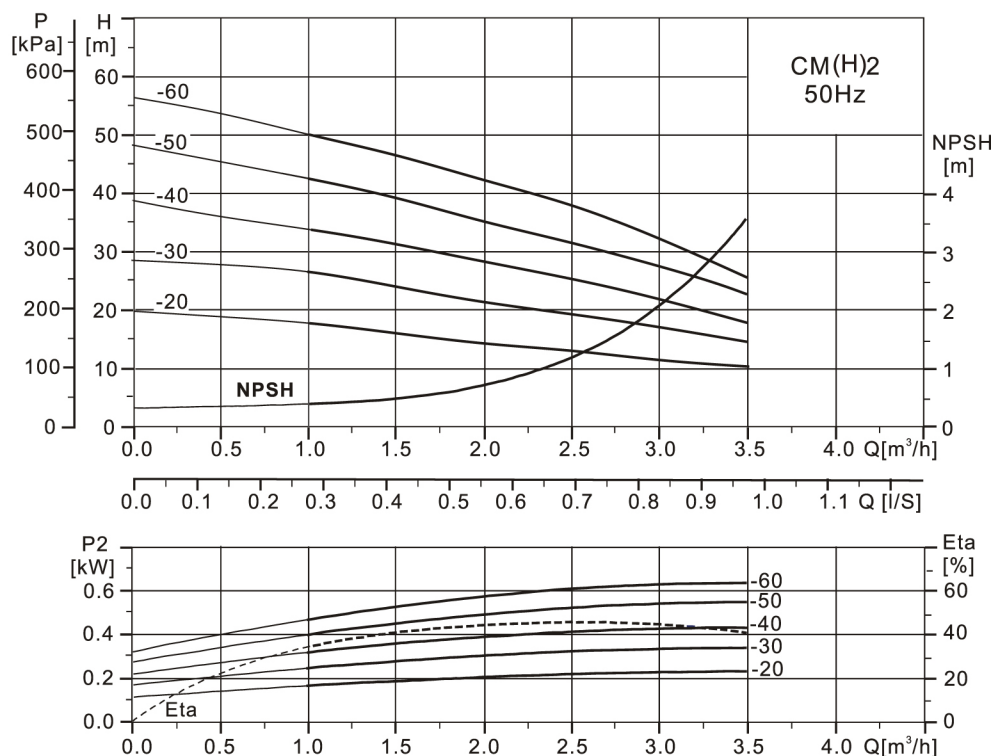
VITA PUMPS

Material CM, CMH

No.	Name	material	AISI/ASTM
2	Bearing sleeve	Hard alloy	
3	Support guide vane	Stainless steel	AISI304 or AISI316
4	Separating sleeve	Stainless steel	AISI304 or AISI316
5	Middle section section	Stainless steel	AISI304 or AISI316
6	Impeller	Stainless steel	AISI304 or AISI316
7	Shaft	Stainless steel	AISI304 or AISI316
8	Mechanical seal	BABE, BABV, BQQE, BQQV	
10	Base frame	Cast iron	
11	Front cover	Aluminum alloy	
12	Plug	Stainless steel	AISI304 or AISI316
CM			
1	Inlet section	Stainless steel	AISI304 or AISI316
9	Outlet section	Stainless steel	AISI304 or AISI316
CMH			
1	Inlet section	cast iron	
9	Outlet section	cast iron	



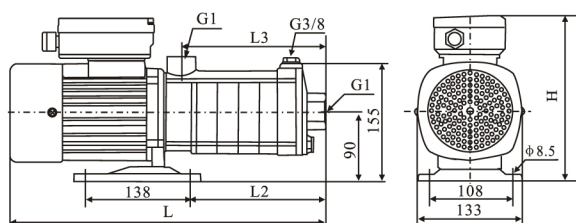
Performance curve



Performance table

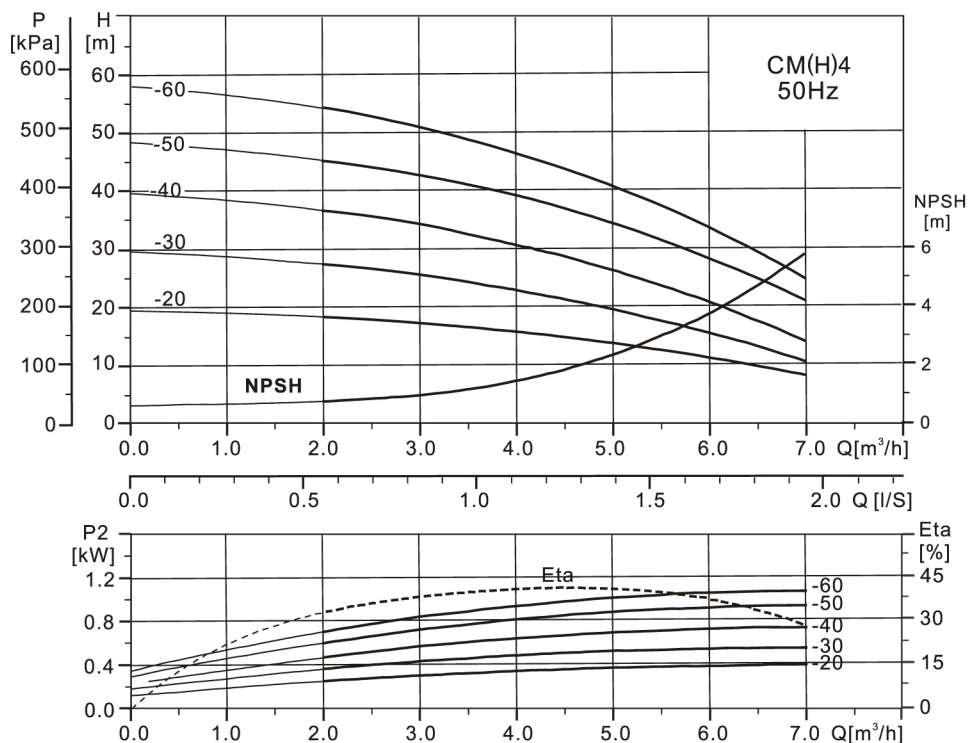
Model		Driving motor P ₂ (KW)	Q (m³/h)	1.0	1.5	2.0	2.5	3.0	3.5
Single Phase	Three Phase								
CM(H)2-20	CM(H)2-20T	0.37	H (m)	18	16	14	13	11	10
CM(H)2-30	CM(H)2-30T	0.37		27	24	21	20	17	14
CM(H)2-40	CM(H)2-40T	0.55		35	32	28	26	23	17
CM(H)2-50	CM(H)2-50T	0.55		43	40	35	33	28	22
CM(H)2-60	CM(H)2-60T	0.75		50	48	42	38	32	25

Installation sketch



Model	Size(mm)								Weight (kg)
	Single Phase				Three Phase				
	L1	L2	L3	H	L1	L2	L3	H	
CM(H)2-20(T)	326	90	100	210	326	90	100	190	8.5
CM(H)2-30(T)	344	108	118	210	344	108	118	190	9
CM(H)2-40(T)	362	126	136	210	362	126	136	190	9.5
CM(H)2-50(T)	380	144	154	210	380	144	154	190	10
CM(H)2-60(T)	398	162	172	210	398	162	172	190	10.5

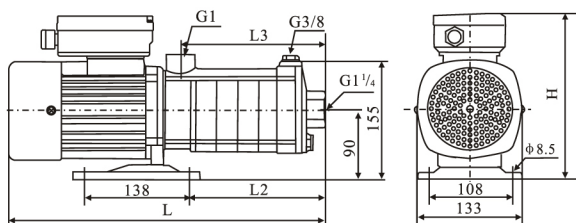
Performance curve



Performance table

Model		Driving motor P ₂ (KW)	Q (m³/h)	2.0	3.0	4.0	5.0	6.0	7.0
Single Phase	Three Phase								
CM(H)4-20	CM(H)4-20T	0.55	H (m)	18	16	15	13	10	7
CM(H)4-30	CM(H)4-30T	0.75		27	25	22	19	15	10
CM(H)4-40	CM(H)4-40T	0.75		36	33	30	26	20	14
CM(H)4-50	CM(H)4-50T	1.0		44	41	38	32	26	20
CM(H)4-60	CM(H)4-60T	1.1		53	50	45	40	33	24

Installation sketch



Model	Size(mm)								Weight (kg)
	Single Phase				Three Phase				
	L1	L2	L3	H	L1	L2	L3	H	
CM(H)4-20(T)	335	99	109	210	335	99	109	190	9
CM(H)4-30(T)	362	126	136	210	362	126	136	190	10
CM(H)4-40(T)	389	153	163	210	389	153	163	190	10.5
CM(H)4-50(T)	416	180	190	210	416	180	190	190	11
CM(H)4-60(T)	443	207	217	210	443	207	217	190	12