

CMI Golds Pump

Stainless Steel Horizontal Multistage Centrifugal Pump



Private House



Agricultural



Civil use



Industrial use



MADE IN ITALY

Stainless Steel Horizontal Multistage Centrifugal Pump



Application

- Air conditioning system
- Water treatment
- Water pressurization on the processing line
- Heating and cooling water for industrial production lines
- Conveying liquid that is thin, clean, non-flammable, non-explosive, free of solid particles and fibers
- Air freshening, humidification equipment (soft water)
- Water supply pressurization (drinking water)
- Fertilization/metering system
- Aquaculture

Operation Conditions

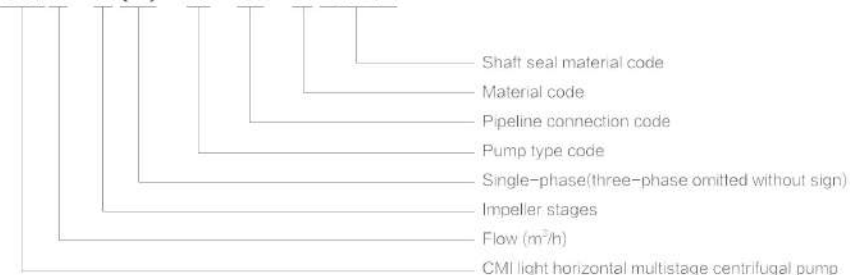
- Liquid: thin, clean, non-flammable and explosive liquid without solid particles or fibers.
- Liquid temperature: Low temperature: -20°C to $+70^{\circ}\text{C}$
Normal temperature: $+15^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
High temperature: $+70^{\circ}\text{C}$ to 104°C
- PH value: between 6.5-8.5
- Ambient temperature: $\leq 40^{\circ}\text{C}$
- Altitude: $\leq 1000\text{m}$
- Max. working pressure: 1.0Mpa
- Voltage fluctuation range: $\pm 10\%$
- Before use, it must be filled with water to drain the air in the pump, otherwise the water cannot be pumped normally.

Motor

- Voltage & Frequency: Single-phase 220-240V/50Hz, threephase 380-415V/50Hz (60Hz and different voltages can be customized).
- Motor poles: 2 poles
- Insulation class: F
- Protection class: IP55
- Working system: S1
- Built-in thermal protector for single-phase motor
- Bearing: C&U high temperature bearing
- Max. times of motor starts per hour: 20 times; motor starts times(lifetime): $\geq 100,000$ times.

Model Implication

CMI 3 - 2 (D) - A - W - G B A B E

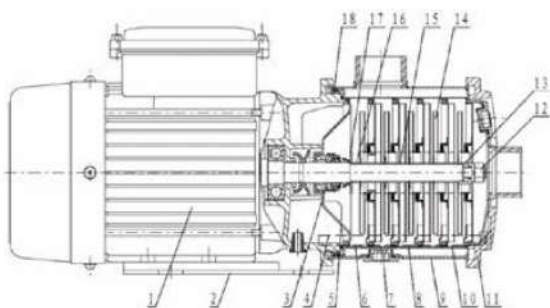


Model Implication

A - W - G - B AB E

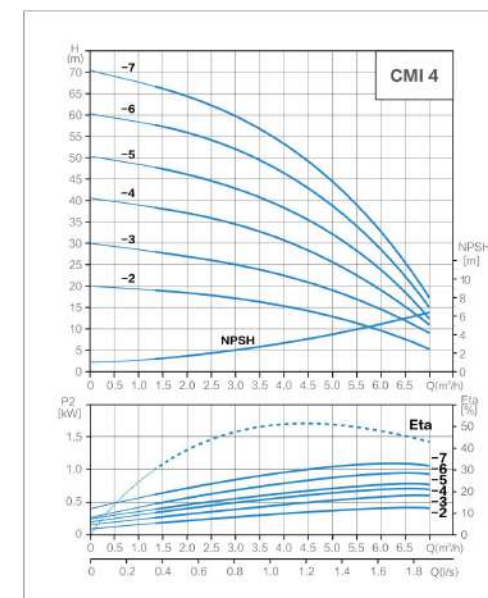
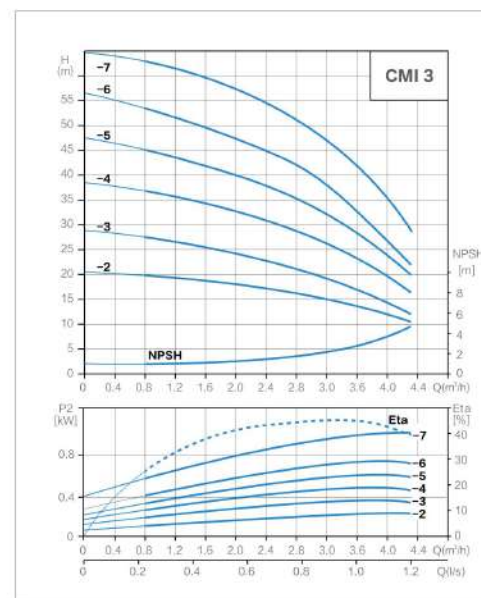
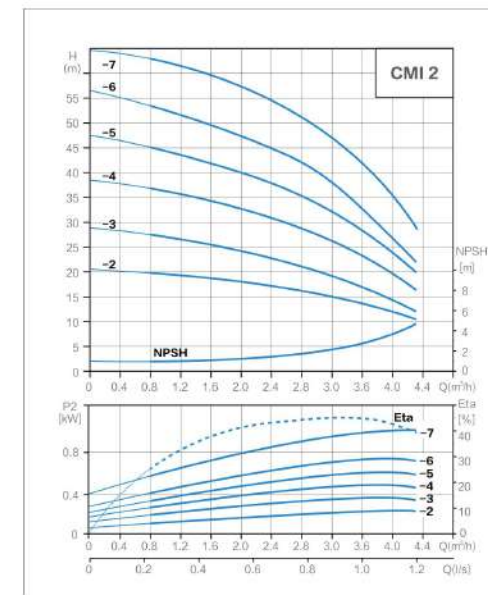
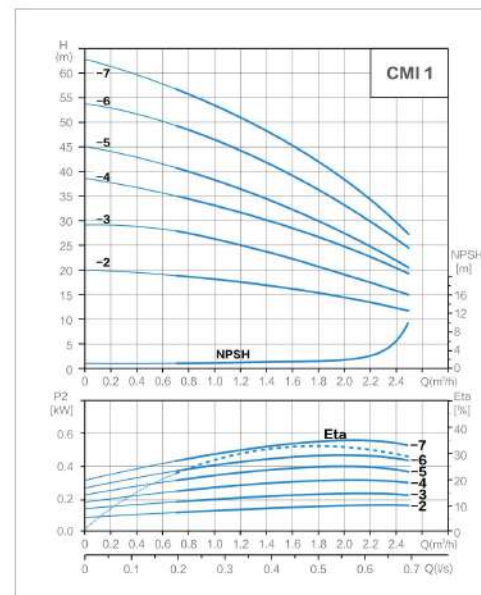
- Shaft seal, "E" EPDM rubber, "V" fluorine rubber, "N" Nitrile.
- "U" tungsten carbide, "Q" silicon carbide, "A" Ceramic, "B" Graphite
- Rubber seat shaft seal
- Material, "G" stainless steel is AISI304, "S" stainless steel is AISI316, "X" special type
- Pipe connection, "W" internal thread, "B" NPT thread, "N" special connection thread
- Pump type, "A" is basic type

Structure

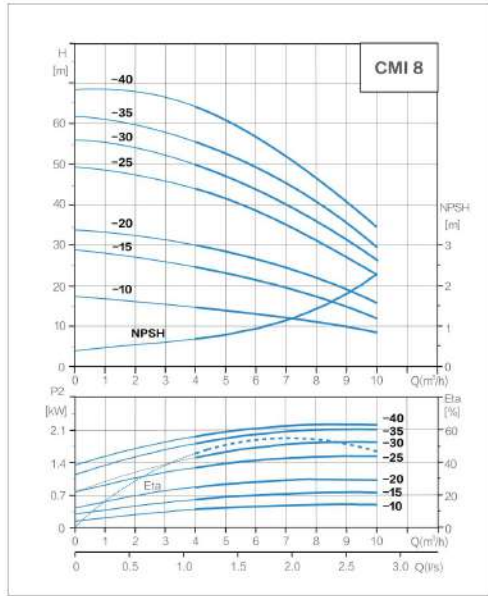
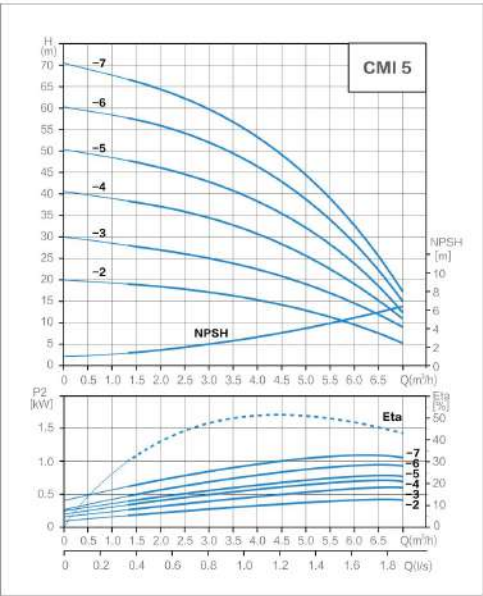


No.	Part	Material	No.	Part	Material
1	Motor		10	Inlet Section	SUS304
2	Bottom Plate	A3	11	Clamp	ADC12
3	Mechanical Seal	Graphite/Ceramic/EPDM	12	Nut	SUS304
4	Hexagon Socket Screw	A3	13	Impeller Press Tube	SUS304
5	Pump Cover	SUS304	14	Impeller	SUS304
6	Outlet Section	SUS304	15	Long Sleeve	SUS304
7	Plug	SUS304	16	Short Sleeve	SUS304
8	Middle Section	SUS304	17	Flat Washer	SUS304
9	Pump Casing	SUS304	18	O-Ring	NBR

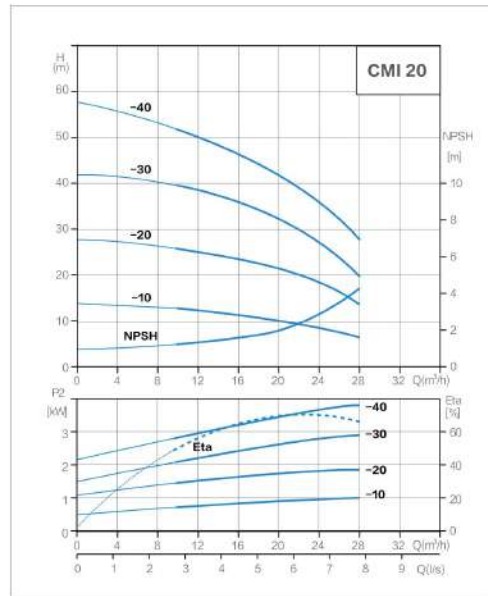
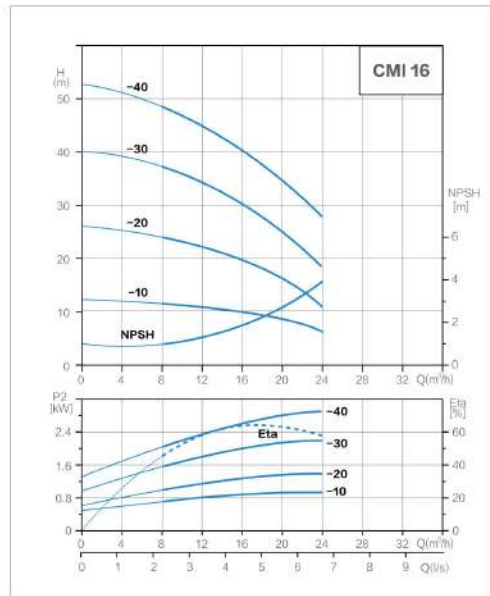
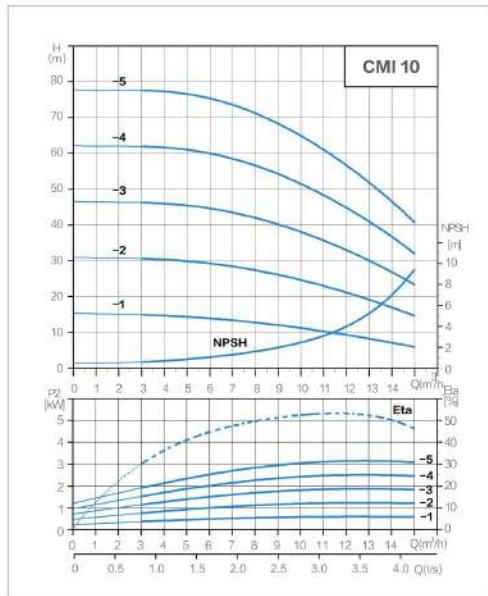
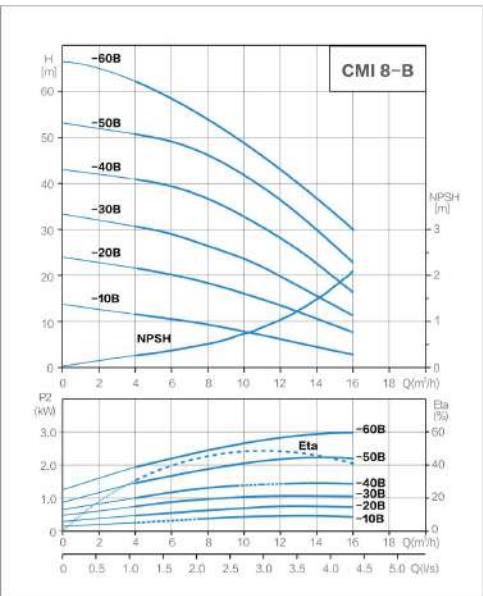
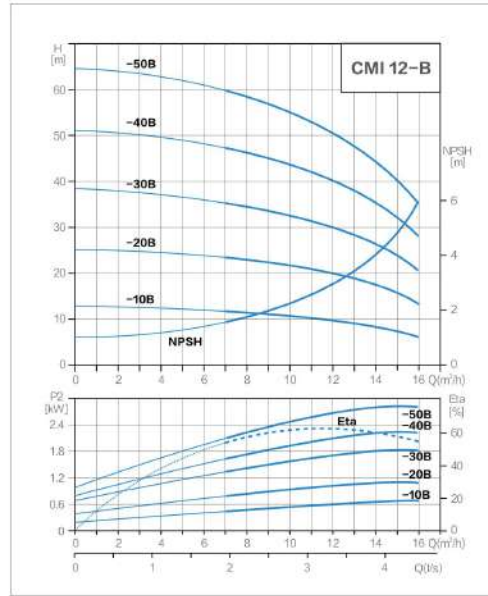
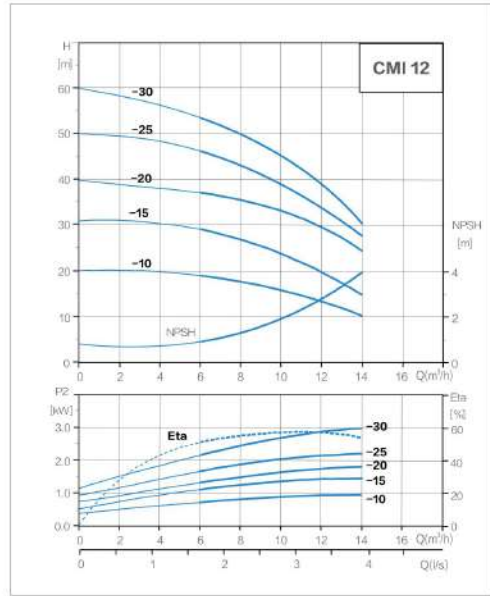
Hydraulic Performance Curves



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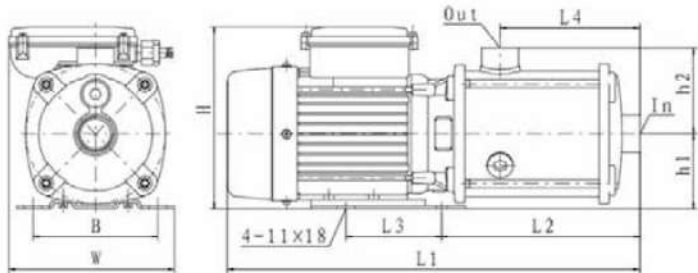
Technical Parameters

No.	Model	Power P2	Rated Flow	Rated Head	Speed	Inlet DIM	Outlet DIM
		KW	Qn (m³/h)	Hn (m)	r/min		
1	CMI1-2(D)	0.25	1	18	2900	G1	G1
2	CMI1-3(D)	0.25	1	25	2900	G1	G1
3	CMI1-4(D)	0.37	1	33	2900	G1	G1
4	CMI1-5(D)	0.37	1	38	2900	G1	G1
5	CMI1-6(D)	0.37	1	46	2900	G1	G1
6	CMI1-7(D)	0.55	1	53	2900	G1	G1
7	CMI2-2(D)	0.25	2	18	2900	G1	G1
8	CMI2-3(D)	0.37	2	24	2900	G1	G1
9	CMI2-4(D)	0.55	2	32	2900	G1	G1
10	CMI2-5(D)	0.55	2	40	2900	G1	G1
11	CMI2-6(D)	0.75	2	47	2900	G1	G1
12	CMI2-7(D)	1	2	57	2900	G1	G1
13	CMI3-2(D)	0.25	3	15	2900	G1	G1
14	CMI3-3(D)	0.37	3	21	2900	G1	G1
15	CMI3-4(D)	0.55	3	28	2900	G1	G1
16	CMI3-5(D)	0.55	3	35	2900	G1	G1
17	CMI3-6(D)	0.75	3	42	2900	G1	G1
18	CMI3-7(D)	1	3	49	2900	G1	G1
19	CMI4-2(D)	0.37	4	15.5	2900	G11/4	G1
20	CMI4-3(D)	0.55	4	22.5	2900	G11/4	G1
21	CMI4-4(D)	0.75	4	31	2900	G11/4	G1
22	CMI4-5(D)	0.75	4	38	2900	G11/4	G1
23	CMI4-6(D)	1	4	46	2900	G11/4	G1
24	CMI4-7(D)	1.1	4	53	2900	G11/4	G1
25	CMI5-2(D)	0.37	5	13	2900	G11/4	G1
26	CMI5-3(D)	0.55	5	19.5	2900	G11/4	G1
27	CMI5-4(D)	0.75	5	26	2900	G11/4	G1
28	CMI5-5(D)	0.75	5	32	2900	G11/4	G1
29	CMI5-6(D)	1	5	39.5	2900	G11/4	G1
30	CMI5-7(D)	1.1	5	45.5	2900	G11/4	G1
31	CMI8-10(D)	0.55	8	10	2900	G11/2	G11/2
32	CMI8-15(D)	0.75	8	17	2900	G11/2	G11/2
33	CMI8-20(D)	1	8	20	2900	G11/2	G11/2

Technical Parameters

No.	Model	Power P2	Rated Flow	Rated Head	Speed	Inlet DIM	Outlet DIM
		KW	Qn (m³/h)	Hn (m)	r/min		
34	CMI8-25(D)	1.5	8	30	2900	G11/2	G11/2
35	CMI8-30(D)	1.85	8	32	2900	G11/2	G11/2
36	CMI8-35(D)	2.2	8	42	2900	G11/2	G11/2
37	CMI8-40(D)	2.2	8	45	2900	G11/2	G11/2
38	CMI8-10B(D)	0.55	8	10	2900	G11/2	G11/2
39	CMI8-20B(D)	0.75	8	18	2900	G11/2	G11/2
40	CMI8-30B(D)	1.1	8	26	2900	G11/2	G11/2
41	CMI8-40B(D)	1.5	8	34	2900	G11/2	G11/2
42	CMI8-50B(D)	2.2	8	45	2900	G11/2	G11/2
43	CMI8-60B	3	8	52	2900	G11/2	G11/2
44	CMI10-1(D)	0.65	10	11	2900	G11/2	G11/2
45	CMI10-2(D)	1.2	10	24	2900	G11/2	G11/2
46	CMI10-3(D)	2.2	10	38	2900	G11/2	G11/2
47	CMI10-4	3	10	52	2900	G11/2	G11/2
48	CMI10-5	3	10	63	2900	G11/2	G11/2
49	CMI12-10(D)	1	12	12.5	2900	G11/2	G11/2
50	CMI12-15(D)	1.5	12	19	2900	G11/2	G11/2
51	CMI12-20(D)	1.85	12	26	2900	G11/2	G11/2
52	CMI12-25(D)	2.2	12	32	2900	G11/2	G11/2
53	CMI12-30	3	12	40	2900	G11/2	G11/2
54	CMI12-10B(D)	0.75	12	8.5	2900	G11/2	G11/2
55	CMI12-20B(D)	1.1	12	19.5	2900	G11/2	G11/2
56	CMI12-30B(D)	1.85	12	29.5	2900	G11/2	G11/2
57	CMI12-40B(D)	2.2	12	39.5	2900	G11/2	G11/2
58	CMI12-50B	3	12	50	2900	G11/2	G11/2
59	CMI16-10(D)	1	16	10	2900	G2	G2
60	CMI16-20(D)	1.5	16	20	2900	G2	G2
61	CMI16-30(D)	2.2	16	30	2900	G2	G2
62	CMI16-40	3	16	40	2900	G2	G2
63	CMI20-10(D)	1	20	8	2900	G2	G2
64	CMI20-20(D)	1.85	20	18	2900	G2	G2
65	CMI20-30	3	20	28	2900	G2	G2
66	CMI20-40	4	20	42	2900	G2	G2

Installation Dimension



No.	Model	Single Phase					Three Phase					L2	L4	h1	h2	In	Out
		L1	L3	B	W	H	L1	L3	B	W	H						
1	CMI1-2(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G1	G1
2	CMI1-3(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G1	G1
3	CMI1-4(D)	332	96	125	166	172	332	96	125	158	174	145	86	75	86	G1	G1
4	CMI1-5(D)	350	96	125	166	172	350	96	125	158	174	163	104	75	86	G1	G1
5	CMI1-6(D)	386	96	125	166	172	386	96	125	158	174	199	140	75	86	G1	G1
6	CMI1-7(D)	414	96	125	166	182	414	96	125	158	188	199	140	75	86	G1	G1
7	CMI2-2(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G1	G1
8	CMI2-3(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G1	G1
9	CMI2-4(D)	332	96	125	166	172	332	96	125	158	174	145	86	75	86	G1	G1
10	CMI2-5(D)	350	96	125	166	172	350	96	125	158	174	163	104	75	86	G1	G1
11	CMI2-6(D)	414	96	125	166	182	414	96	125	158	188	199	140	75	86	G1	G1
12	CMI2-7(D)	414	96	125	172	185	414	96	125	158	188	199	140	75	86	G1	G1
13	CMI3-2(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G1	G1
14	CMI3-3(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G1	G1
15	CMI3-4(D)	332	96	125	166	172	332	96	125	158	174	145	86	75	86	G1	G1
16	CMI3-5(D)	350	96	125	166	172	350	96	125	158	174	163	104	75	86	G1	G1
17	CMI3-6(D)	414	96	125	166	182	414	96	125	158	188	199	140	75	86	G1	G1
18	CMI3-7(D)	414	96	125	172	185	414	96	125	158	188	199	140	75	86	G1	G1
19	CMI4-2(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G11/4	G1
20	CMI4-3(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G11/4	G1
21	CMI4-4(D)	360	96	125	166	182	360	96	125	158	188	145	86	75	86	G11/4	G1
22	CMI4-5(D)	378	96	125	166	182	378	96	125	158	188	163	104	75	86	G11/4	G1
23	CMI4-6(D)	414	96	125	172	185	414	96	125	158	188	199	140	75	86	G11/4	G1
24	CMI4-7(D)	414	96	125	172	185	414	96	125	158	188	199	140	75	86	G11/4	G1
25	CMI5-2(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G11/4	G1
26	CMI5-3(D)	314	96	125	166	172	314	96	125	158	174	127	68	75	86	G11/4	G1
27	CMI5-4(D)	360	96	125	166	182	360	96	125	158	188	145	86	75	86	G11/4	G1
28	CMI5-5(D)	378	96	125	166	182	378	96	125	158	188	163	104	75	86	G11/4	G1

Installation Dimension

No.	Model	Single Phase					Three Phase					L2	L4	h1	h2	In	Out
		L1	L3	B	W	H	L1	L3	B	W	H						
29	CMI5-6(D)	414	96	125	172	185	414	96	125	158	188	199	140	75	86	G11/4	G1
30	CMI5-7(D)	414	96	125	172	185	414	96	125	158	188	199	140	75	86	G11/4	G1
31	CMI8-10(D)	377	96	125	182	206	377	96	125	182	212	185	100	100	108	G11/2	G11/2
32	CMI8-15(D)	377	96	125	182	206	377	96	125	182	212	185	100	100	108	G11/2	G11/2
33	CMI8-20(D)	377	96	125	184	206	377	96	125	182	212	185	100	100	108	G11/2	G11/2
34	CMI8-25(D)	408	96	125	182	232	408	96	125	182	217	200	100	100	108	G11/2	G11/2
35	CMI8-30(D)	449	140	160	199	244	408	96	125	182	217	200	100	100	108	G11/2	G11/2
36	CMI8-35(D)	479	140	160	199	244	438	96	125	182	217	230	130	100	108	G11/2	G11/2
37	CMI8-40(D)	479	140	160	199	244	438	96	125	182	217	230	130	100	108	G11/2	G11/2
38	CMI8-10B(D)	377	96	125	182	206	377	96	125	182	212	185	100	100	108	G11/2	G11/2
39	CMI8-20B(D)	377	96	125	182	206	377	96	125	182	212	185	100	100	108	G11/2	G11/2
40	CMI8-30B(D)	408	96	125	184	214	408	96	125	182	217	200	100	100	108	G11/2	G11/2
41	CMI8-40B(D)	438	96	125	182	232	438	96	125	182	217	230	130	100	108	G11/2	G11/2
42	CMI8-50B(D)	539	140	160	199	244	498	96	125	182	217	290	190	100	108	G11/2	G11/2
43	CMI8-60B	-	-	-	-	-	559	140	160	199	212	290	190	100	108	G11/2	G11/2
44	CMI10-1(D)	383	96	125	182	206	383	96	125	182	212	185	100	100	108	G11/2	G11/2
45	CMI10-2(D)	412	96	125	184	214	412	96	125	182	217	200	100	100	108	G11/2	G11/2
46	CMI10-3(D)	448	140	160	199	244	448	140	160	199	212	200	100	100	108	G11/2	G11/2
47	CMI10-4	-	-	-	-	-	498	140	160	199	212	230	130	100	108	G11/2	G11/2
48	CMI10-5	-	-	-	-	-	558	140	160	199	212	230	190	100	108	G11/2	G11/2
49	CMI12-10(D)	377	96	125	184	206	377	96	125	182	212	185	100	100	108	G11/2	G11/2
50	CMI12-15(D)	408	96	125	182	232	408	96	125	182	217	200	100	100	108	G11/2	G11/2
51	CMI12-20(D)	449	140	160	199	244	408	96	125	182	217	200	100	100	108	G11/2	G11/2
52	CMI12-25(D)	449	140	160	199	244	408	96	125	182	217	200	100	100	108	G11/2	G11/2
53	CMI12-30	-	-	-	-	-	469	140	160	199	212	200	100	100	108	G11/2	G11/2
54	CMI12-10B(D)	377	96	125	182	206	377	96	125	182	212	185	100	100	108	G11/2	G11/2
55	CMI12-20B(D)	408	96	125	184	214	408	96	125	182	217	200	100	100	108	G11/2	G11/2
56	CMI12-30B(D)	449	140	160	199	244	408	96	125	182	217	200	100	100	108	G11/2	G11/2
57	CMI12-40B(D)	479	140	160	199	244	438	96	125	182	217	230	130	100	108	G11/2	G11/2
58	CMI12-50B	-	-	-	-	-	539	140	160	199	212	290	190	100	108	G11/2	G11/2
59	CMI16-10(D)	408	96	125	184	209	408	96	125	182	212	215	130	100	108	G2	G2
60	CMI16-20(D)	439	96	125	182	232	439	96	125	182	217	230	130	100	108	G2	G2
61	CMI16-30(D)	480	140	160	199	244	480	140	160	199	212	230	130	100	108	G2	G2
62	CMI16-40	-	-	-	-	-	545	140	160	199	212	275	175	100	108	G2	G2
63	CMI20-10(D)	408	96	125	184	209	408	96	125	182	212	215	130	100	108	G2	G2
64	CMI20-20(D)	480	140	160	182	244	439	96	125	182	217	230	130	100	108	G2	G2
65	CMI20-30	-	-	-	-	-	500	140	160	199	212	230	130	100	108	G2	G2
66	CMI20-40	-	-	-	-	-	561	140	160	199	252	297	175	105	108	G2	G2