



Technical Catalogue



CM/FM Series

Horizontal Stainless Steel Multistage
Centrifugal Pump

Product Overview

CM/FM Series are Horizontal stainless steel multistage centrifugal pump, which can be widely used in domestic water supply, industry and construction. Including liquid transfer and circulation in Light industry, pressure boost in domestic water supply, cooling system and air condition system.



Running Conditions

- Thin, Non-corrosive, non-flammable and explosive clean water without solid particle or fiber.
- Higher Power driving motor is required when transferring liquid with higher density than water's
- Liquid Temperature Range : 4°C-85°C
- Max. Environmental Temperature : +40°C
- Max. Suction : Refer to NPSH of the pump, liquid temperature, sea level altitude of the application area and tube loss, etc.
- Max. inlet pressure is limited by max. operation pressure.

Motor

Wind cooling completely sealed motor

Protection Class : IP44

Insulation Grade : F

Standard Voltage : 1 X 220 - 240V, 50HZ, 3 X 380

Single phase motor equipped with them all overload protection, threephase motor should be actuated by motor starter according to local regulation.

Model Specification

CM / FM (m) 4 - 3

[Stages]

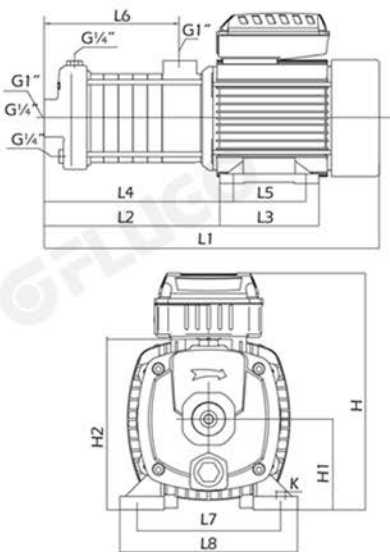
[Rated Flow (m³/h)]

[Single m, Phase m]

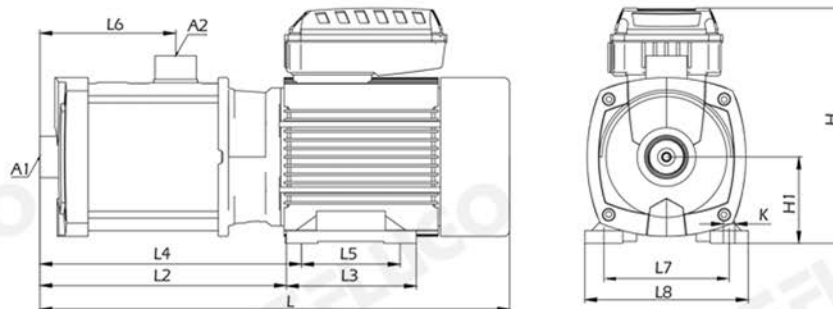
[Horizontal Stainless Steel Multistage Pump]

Dimension

CM/FM Series		L1	L2	L3	L4	L5	L6	L7	L8	H	H1	H2	K
1-2		336	150	112	161	90	170	114	142	202	73.5	145	7
1-3		354	168	112	179	90	170	114	142	202	73.5	145	7
1-4		372	186	112	197	90	170	114	142	202	73.5	145	7
1-5		390	204	112	215	90	170	114	142	202	73.5	145	7
1-6		408	222	112	233	90	170	114	142	202	73.5	145	7
2-2		336	150	112	161	90	170	114	142	202	73.5	145	7
2-3		354	168	112	179	90	170	114	142	202	73.5	145	7
2-4		372	186	112	197	90	170	114	142	202	73.5	145	7
2-5		390	204	112	215	90	170	114	142	202	73.5	145	7
2-6		408	222	112	233	90	170	114	142	202	73.5	145	7
3-2		336	150	112	161	90	170	114	142	202	73.5	145	7
3-3		354	168	112	179	90	170	114	142	202	73.5	145	7
3-4		372	186	112	197	90	170	114	142	202	73.5	145	7
3-5		390	204	112	215	90	170	114	142	202	73.5	145	7
3-6		408	222	112	233	90	170	114	142	202	73.5	145	7
4-2		336	150	112	161	90	170	114	142	202	73.5	145	7
4-3		354	168	112	179	90	170	114	142	202	73.5	145	7
4-4		372	186	112	197	90	170	114	142	202	73.5	145	7
4-5		400	201	125	213	100	170	127	160	213	82	153	10
4-6		418	219	125	231	100	170	127	160	213	82	153	10
5-2		336	150	112	161	90	170	114	142	202	73.5	145	7
5-3		354	168	112	179	90	170	114	142	202	73.5	145	7
5-4		372	186	112	197	90	170	114	142	202	73.5	145	7
5-5		400	201	125	213	100	170	127	160	213	82	153	10
5-6		418	219	125	231	100	170	127	160	213	82	153	10

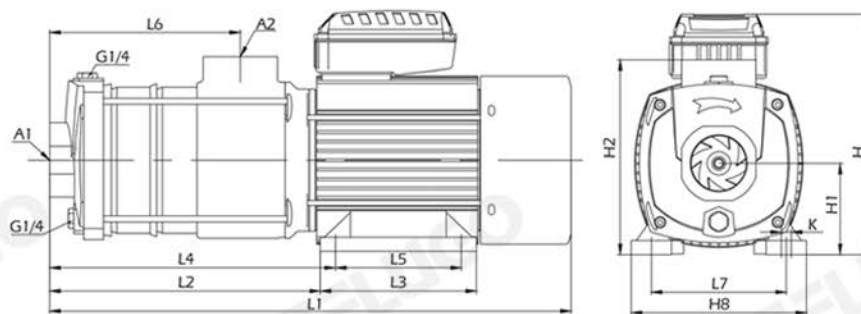


■ Dimension [CML 1-20]



Model	L1	L2	L3	L4	L5	L6	L7	L8	H	H1	K	A1	A2
(m)1-2	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)1-3	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)1-4	372	186	112	197	90	82	114	142	202	73.5	7	G1/G1 1/4	G1
(m)1-5	390	204	112	215	90	100	114	142	202	73.5	7	G1/G1 1/4	G1
(m)1-6	408	222	112	233	90	118	114	142	202	73.5	7	G1/G1 1/4	G1
(m)2-2	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)2-3	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)2-4	372	186	112	197	90	82	114	142	202	73.5	7	G1/G1 1/4	G1
(m)2-5	390	204	112	215	90	100	114	142	202	73.5	7	G1/G1 1/4	G1
(m)2-6	408	222	112	233	90	118	114	142	202	73.5	7	G1/G1 1/4	G1
(m)3-2	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)3-3	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)3-4	372	186	112	197	90	82	114	142	202	73.5	7	G1/G1 1/4	G1
(m)3-5	390	204	112	215	90	100	114	142	202	73.5	7	G1/G1 1/4	G1
(m)3-6	408	222	112	233	90	118	114	142	202	73.5	7	G1/G1 1/4	G1
(m)4-2	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)4-3	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)4-4	372	186	112	197	90	82	114	142	202	73.5	7	G1/G1 1/4	G1
(m)4-5	400	201	125	213	100	100	127	160	213	82	10	G1/G1 1/4	G1
(m)4-6	418	219	125	231	100	118	127	160	213	82	10	G1/G1 1/4	G1
(m)5-2	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)5-3	354	168	112	179	90	64	114	142	202	73.5	7	G1/G1 1/4	G1
(m)5-4	372	186	112	197	90	82	114	142	202	73.5	7	G1/G1 1/4	G1
(m)5-5	400	201	125	213	100	100	127	160	213	82	10	G1/G1 1/4	G1
(m)5-6	418	219	125	231	100	118	127	160	213	82	10	G1/G1 1/4	G1
(m)10-1	433	233	125	245	100	110	127	160	213	82	10	G1 1/2	G1 1/2
(m)10-2	433	233	125	265	100	110	127	160	213	82	10	G1 1/2	G1 1/2
(m)10-3	463	264	125	275	100	140	127	160	213	82	10	G1 1/2	G1 1/2
10-4	537	289	155	304	125	170	139	174	239	90.5	10	G1 1/2	G1 1/2
10-5	567	319	155	334	125	210	139	174	239	90.5	10	G1 1/2	G1 1/2
(m)15-1	448	258	125	260	100	120	127	160	213	82	10	G2	G2
(m)15-2	498	254	155	259	125	120	139	174	239	90.5	10	G2	G2
15-3	597	309	175	316	140	164	160	200	260	100	12	G2	G2
(m)25-1	502	254	155	259	125	120	139	174	239	90.5	10	G2	G2
25-2	552	267	175	274	140	120	160	200	260	100	12	G2	G2

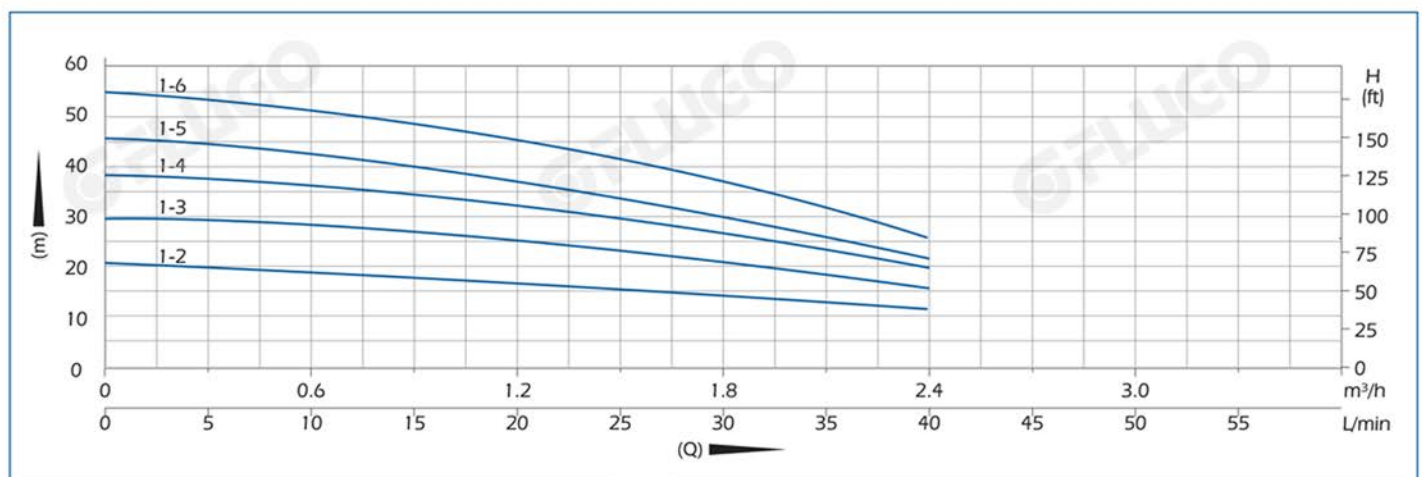
■ Dimension [CM/FM 10-20]



	L1	L2	L3	L4	L5	L6	L7	L8	H	H1	K	A1	A2
(m)10-1	413	213	125	225	100	129	127	160	213	82	10	G1 1/2	G1 1/2
(m)10-2	413	213	125	225	100	129	127	160	213	82	10	G1 1/2	G1 1/2
(m)10-3	443	243	125	255	100	159	127	160	213	82	10	G1 1/2	G1 1/2
10-4	517	269	155	284	125	189	139	174	239	90.5	10	G1 1/2	G1 1/2
10-5	547	299	155	314	125	219	139	174	239	90.5	10	G1 1/2	G1 1/2
(m)15-1	428	228	125	240	100	144	127	160	213	82	10	G2	G2
(m)15-2	472	224	155	239	125	144	139	174	239	90.5	10	G2	G2
15-3	567	279	175	296	140	189	160	200	260	100	12	G2	G2
(m)25-1	472	224	155	239	125	144	139	174	239	90.5	10	G2	G2
25-2	522	237	175	254	140	144	160	200	260	100	12	G2	G2

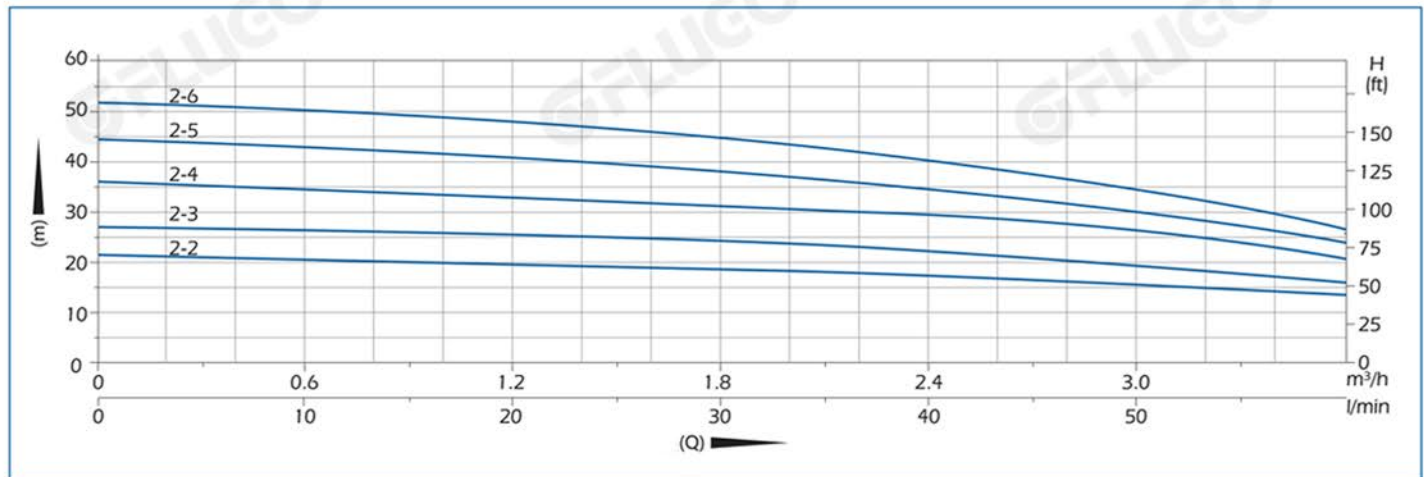
■ Performance Table & Curve - (m)1-2 ~ (m)1-6

Model	Power		Q(m³/h)	0.4	0.6	0.8	1.0	1.2	1.4	1.8	2.0	2.4
	KW	HP	Q(l/min)	7	10	13	17	20	23	30	33	40
(m)1-2	0.37	0.5	H (m)	19.5	19	18.5	18	17.5	17	15	14	12
(m)1-3	0.37	0.5		29	28.5	26	25	24.5	23.5	21	19	16
(m)1-4	0.37	0.5		37	36	35	33	32	30	27	26	20
(m)1-5	0.37	0.5		43	42	41	38	36	34	29	27	22
(m)1-6	0.37	0.5		51	50	49	46	44	42	36	32	26



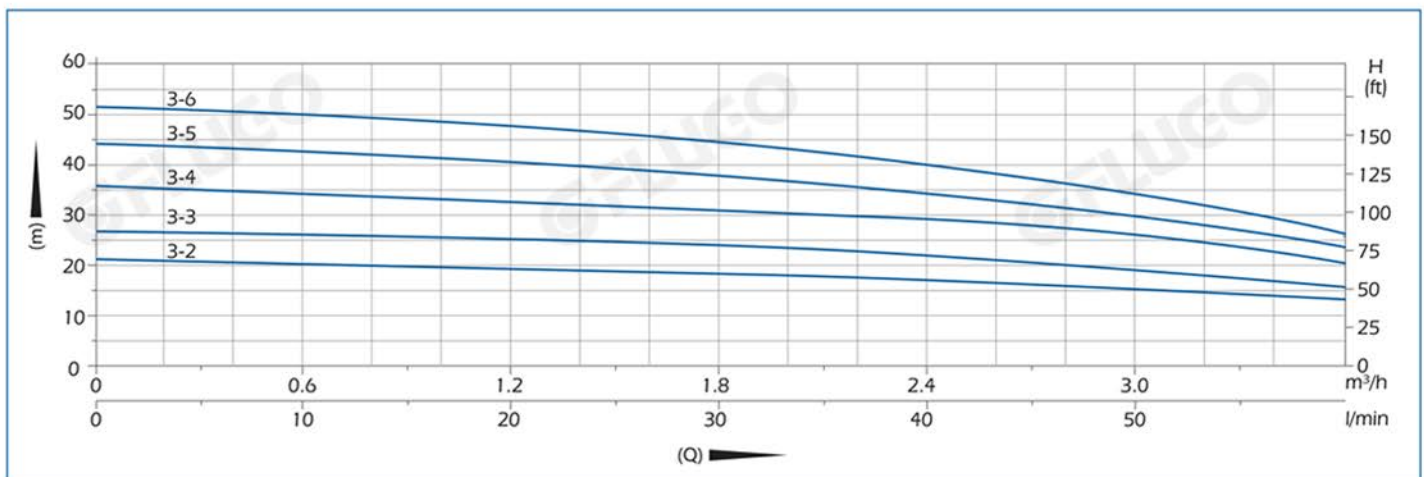
Performance Table & Curve (m)2-2 ~ (m)2-6

Model	Power		Q(m³/h)	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6	4
	KW	HP	Q(l/min)	13	20	27	33	40	47	53	60	67
(m)2-2	0.37	0.5	H (m)	19.5	19	18.5	18	17	16.5	14.5	13.5	12
(m)2-3	0.37	0.5		27	26	25	24	23	22	20	17	15
(m)2-4	0.55	0.75		36	35	34	32	31	29	27	23	20
(m)2-5	0.55	0.75		44	43	42	40	38	36	33	28.5	24
(m)2-6	0.75	1.0		53	51.5	48	47	45	41	36	31.5	27



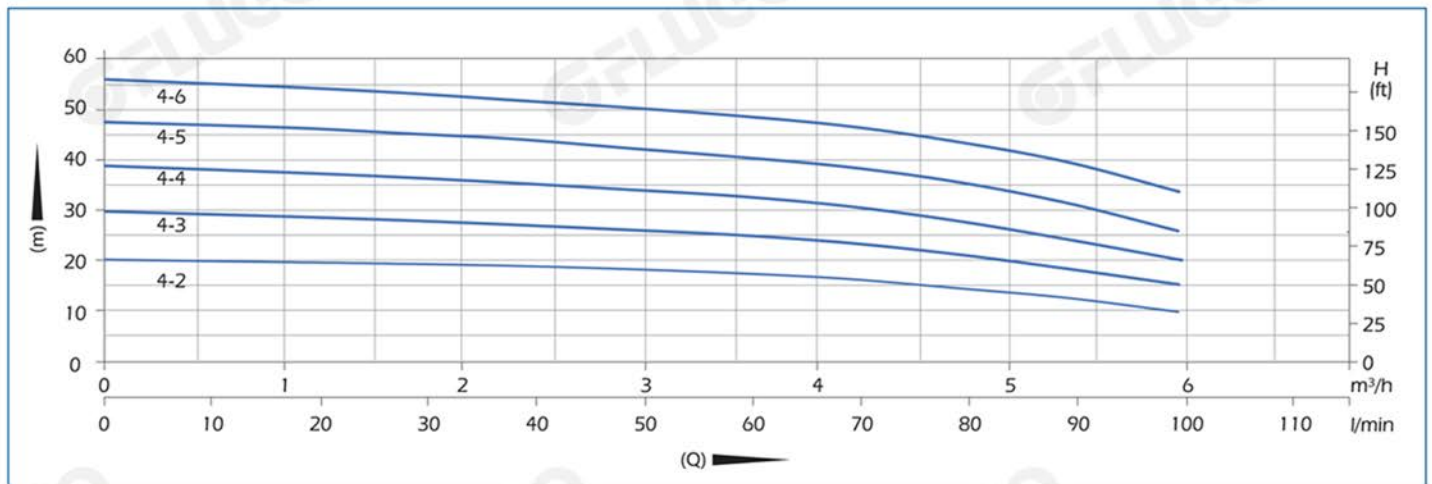
Performance Table & Curve (m)3-1 ~ (m)3-5

Model	Power		Q(m³/h)	1	1.4	1.8	2.2	2.6	3	3.4	3.8	4.2
	KW	HP	Q(l/min)	16.7	23.3	30	36.7	43.3	50	56.7	63.3	70
(m)3-1	0.37	0.5	H (m)	19.5	19	18.5	18	16.5	15	14	13.5	11
(m)3-2	0.37	0.5		27	26.5	25	24	22	21	19	17	14
(m)3-3	0.55	0.75		36	35	33	32	30	28	26	23	19
(m)3-4	0.55	0.75		44	43	42	40	36	34	32	29	23
(m)3-5	0.75	1.0		53	52	49	47	42	38	35	31	26



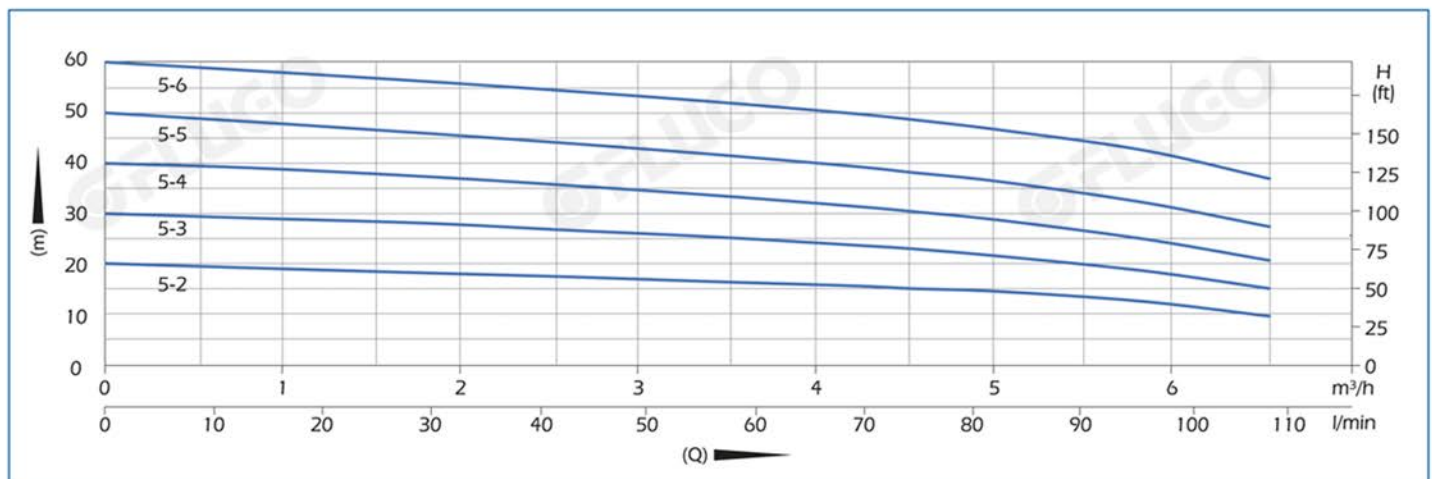
Performance Table & Curve - (m)4-2 ~ (m)4-6

Model	Power		Q(m³/h)	1	1.6	2.2	2.8	3.4	4	4.6	5.2	5.8	6
	KW	HP	Q(l/min)	17	27	37	47	57	67	77	87	97	100
(m)4-2	0.55	0.75	H (m)	18.5	18	17	16	15.5	15	13.5	12	8	7
(m)4-3	0.55	0.75		29	28.5	28	26	25.5	25	23	21	16	14
(m)4-4	0.75	1.0		38	37	36	33	32	30	28	26	20	18
(m)4-5	1.0	1.3		47	46	45	43	41	40	36	34	28	25
(m)4-6	1.3	1.7		56.5	55	54	52	51	49	45	42	36	33



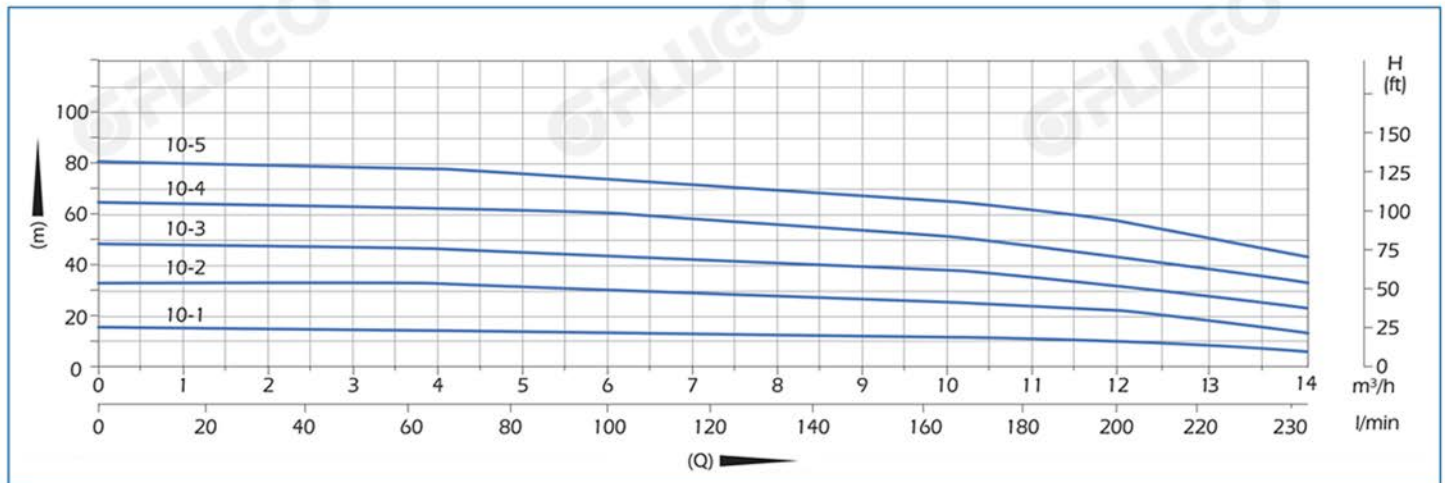
Performance Table & Curve - (m)5-2 ~ (m)5-6

Model	Power		Q(m³/h)	0.8	1.8	2.6	3.4	4.2	4.5	5	5.8	6.5
	KW	HP	Q(l/min)	13	30	43	57	70	75	83	97	108
(m)5-2	0.55	0.75	H (m)	19	17	16	15.5	14	13.5	13	11	7
(m)5-3	0.55	0.75		30	28	27	25.5	24.5	23	22	20	14
(m)5-4	0.75	1.0		40	36	34	32	29	28	27	24	19
(m)5-5	1.0	1.3		49	45	43.5	41	39	36	35	32	24
(m)5-6	1.3	1.7		57	54	52	51	48	45	44	41	31



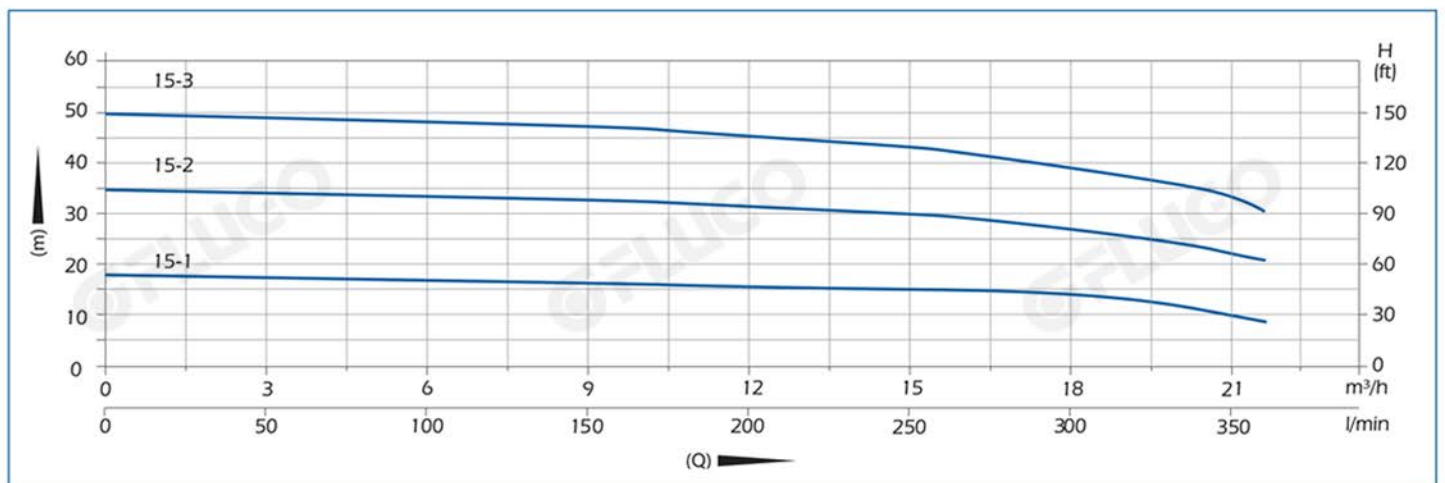
Performance Table & Curve - (m)10-1 ~ 10-5

Model	Power		Q(m³/h)	0	2	4	6	8	10	12	14
	KW	HP	Q(l/min)	0	33	67	100	133	167	200	233
(m)10-1	0.75	1.0	H (m)	16	15.5	15	14.5	13.5	12	10.5	7.5
(m)10-2	1.3	1.7		32	31.5	31	29.5	27	25	21	16
(m)10-3	2.2	3		48	47.5	47	45.5	43	38	33	26
10-4	3	4		64	63	62	60	56	51	44	33
10-5	3	4		80	79	78	74	70	64	54	41



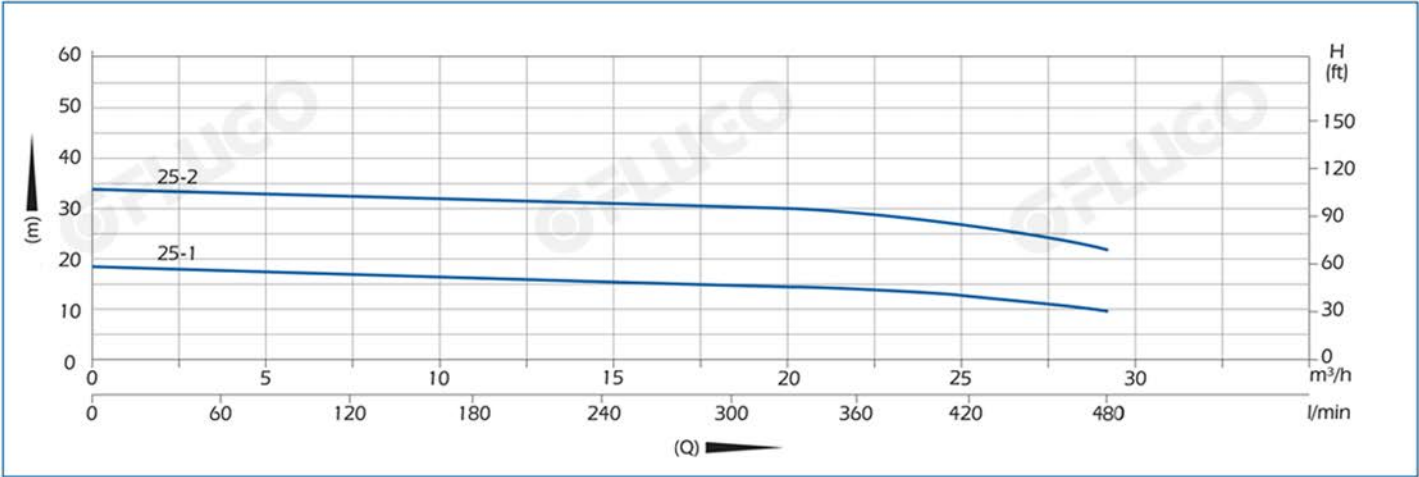
Performance Table & Curve - (m)15-1 ~ 15-3

Model	Power		Q(m³/h)	4	6	8	10	12	15	18	20	22
	KW	HP	Q(l/min)	67	100	133	167	200	250	300	333	367
(m)15-1	1.1	1.5	H (m)	17	16.8	16.5	16	15.5	15	13	10	8
(m)15-2	2.2	3		35	34.5	34	33.5	32	30	26	22	18
15-3	4	5.5		50	49	48	47.5	46	45	40	34	28

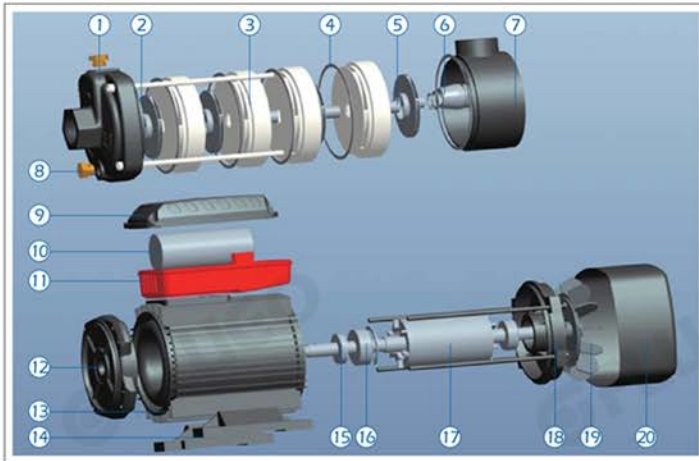


Performance Table & Curve - (m)25-1

Model	Power		Q(m³/h)	8	10	12	16	20	22	24	26	28
	KW	HP	Q(l/min)	133	167	200	267	333	367	400	433	467
(m)25-1	2.2	3	H (m)	17.5	17	16.5	16	15	14.5	14	12	10
25-2	4.0	5.5		34	33.5	33	32	31	30	28	25	22



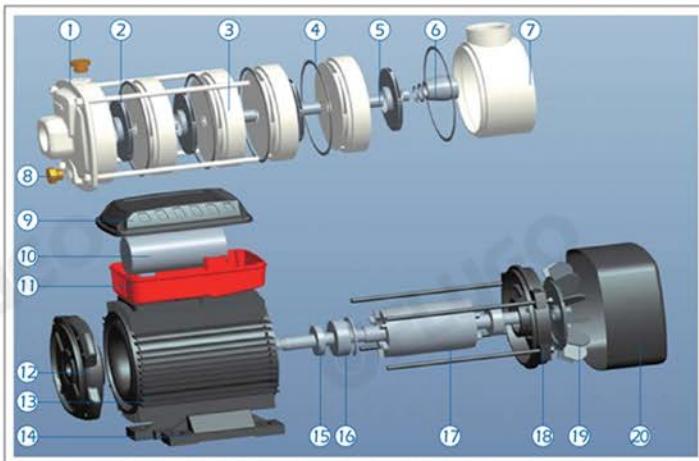
Product Structure - CM Series



No	Name	Material
1	Pump Cover	HT200
2	Impeller	06Cr19Ni10
3	Pilot Fluid	
4	Seal	Polytetra fluoroethylene
5	Axle Sleeve	06Cr19Ni10
6	Mechanical Seal	
7	Pump Body	HT200
8	Screw Plug	
9	Connection Box Cover	ABS
10	Capacitance	

No	Name	Material
11	Junction Box Holder	ABS
12	Front Cover	YL113
13	Stator	
14	Machine Foot	YL113
15	Skeleton Oil Seal	
16	Deep Groove Ball Bearing	
17	Rotor	
18	Motor Cover	YL113
19	Fan	
20	Fan Cover	08AL

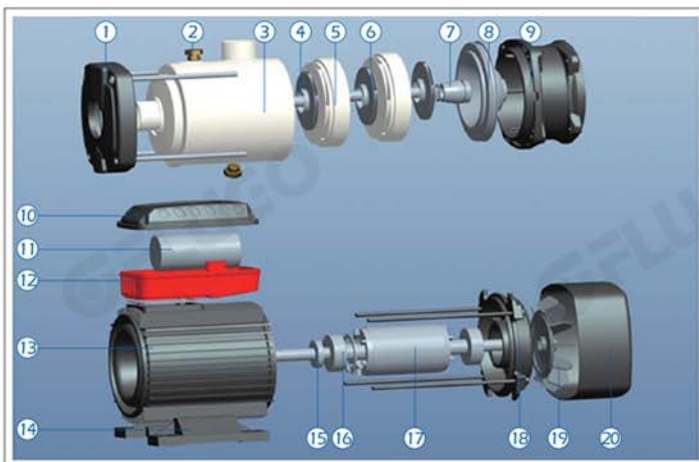
Product Structure - FM Series



No	Name	Material
1	Pump Cover	ZG06Cr19Ni10
2	Impeller	06Cr19Ni10
3	Pilot Fluid	
4	Seal	Polytetra fluoroethylene
5	Axle Sleeve	06Cr19Ni10
6	Mechanical Seal	
7	Pump Body	ZG06Cr19Ni10
8	Screw Plug	
9	Connection Box Cover	ABS
10	Capacitance	

No	Name	Material
11	Junction Box Holder	ABS
12	Front Cover	YL113
13	Stator	
14	Machine Foot	YL113
15	Skeleton Oil Seal	
16	Deep Groove Ball Bearing	
17	Rotor	
18	Motor Cover	YL113
19	Fan	
20	Fan Cover	08AL

Product Structure - CML Series



No	Name	Material
1	Pump Cover	YL113
2	Screw Plug	
3	Pump Body	06Cr19Ni10
4	Axle Sleeve	06Cr19Ni10
5	Pilot Fluid	
6	Impeller	06Cr19Ni10
7	Mechanical Seal	
8	Connecting Cap	06Cr19Ni10
9	Connect	YL113
10	Connection Box Cover	ABS

No	Name	Material
11	Capacitance	
12	Connection Box Holder	ABS
13	Stator	
14	Machine Foot	YL113
15	Skeleton Oil Seal	
16	Rotor	
17	Deep Groove Ball Bearing	
18	Motor Cover	
19	Fan	
20	Fan Cover	08AL

Authorized Distributor



Horizontal Stainless Steel Multistage
Centrifugal Pump