

LIGHT VERTICAL

MULTISTAGE PUMP

CE





WE ASSURE THE QUALITY OF OUR PRODUCTS

QUALITY ASSURANCE

We attaches great importance to product quality and always adheres to the production and management philosophy of "integrity, win-win, focus and innovation". At the same time, we have constantly increased staff training, established a complete quality assurance system, strictly controlled each link, and fully guaranteed the quality of products

PRODUCT OVERVIEW



FEATURES

CDL/F is a non-self-priming vertical multi-stage centrifugal pump with standard motor. The motor shaft is directly connected with the pump shaft through coupling of the pump head. The pull rod bolt fixes the pressure resisting cylinder and overflow parts between the pump head and inlet outlet sections. The pump inlet and outlet are on the same line at the pump bottom. The pump can also be configured as an intelligent protector according to the ability of protecting itself from turning, missing phase and overload

CDL/F is a multifunctional product, which can transport various media from water to industrial liquids. It is suitable for different temperature, flow rate and pressure range.

- Water supply : water filtering and distribution. Water to water district, in charge of pressurised high-building pressurisation.
- Industrial boosting : process water system, clean system, high pressure washing system, and fire system.
- Industrial liquid conveying : cooling and air conditioning system, boiler feed, condensate system, machine matching, acid and alkali.
- Water treatment: ultrafiltration system, reverse osmosis system, distillation system, separator, and swimming pool.
- Irrigation: farm irrigation, spray irrigation, trickle irrigation.

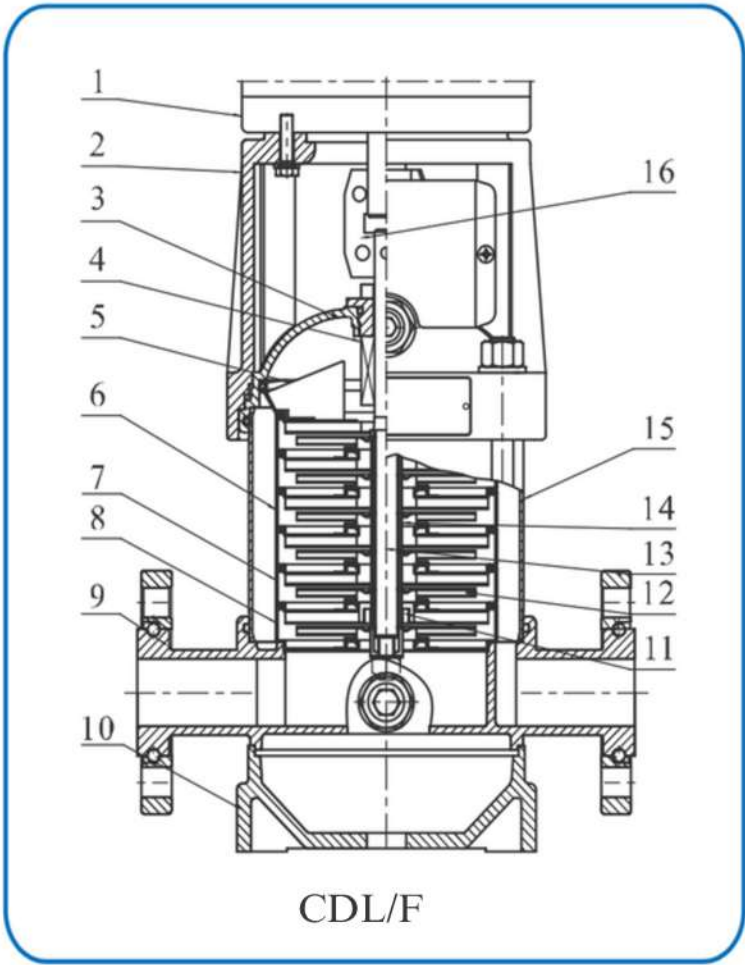
OPERATING CONDITION

Ambient temperature	: - 15°C ≤ 0 ≤ 70°C
Altitude	: Not exceeding 1000 m
Rated voltage	: 380 V - 415 V
Rated Frequency	: 50 Hz
Protection class	: IP55
Insulating class	: F
Motor speed	: 2900 rpm or 2950 rpm
Liquid	: Thin, clean, non flammable and explosive liquid that do not contain solid particles.

MODEL SPECIFICATION

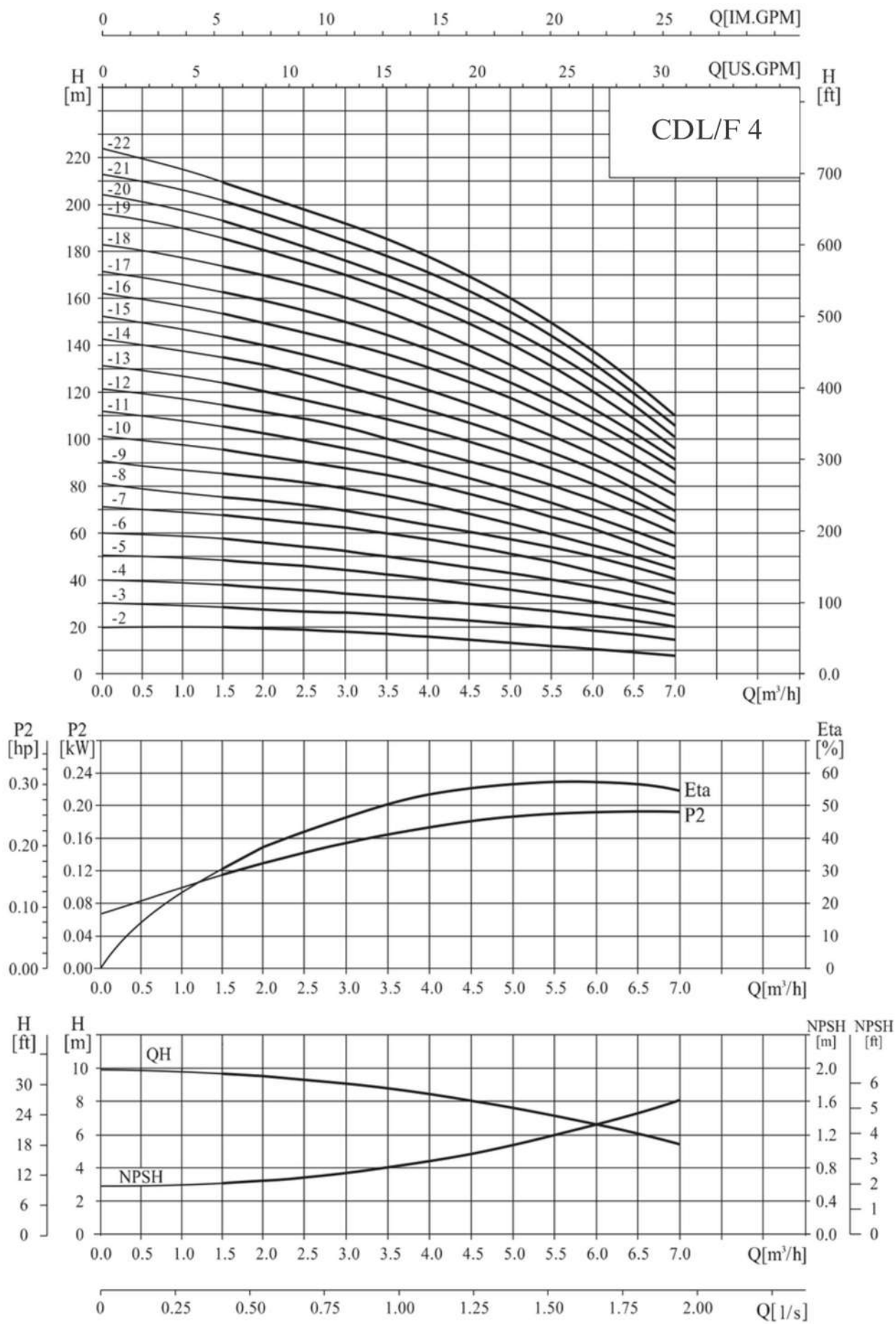


SECTION VIEW



No	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
3	Pump head lining	Stainless steel	AISI304
4	Mechanical Seal		
5	Outlet guide vane	Stainless steel	AISI304
6	Outlet vane	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Fluid director	Stainless steel	AISI304
9	Inlet and outlet section	Stainless steel	AISI304
10	Base	Cast iron	ASTM25B
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Axle	Stainless steel	AISI304 AISI316L
14	Impeller sleeve	Stainless steel	AISI304
15	Casing	Stainless steel	AISI304
16	Coupler	Carbon steel	

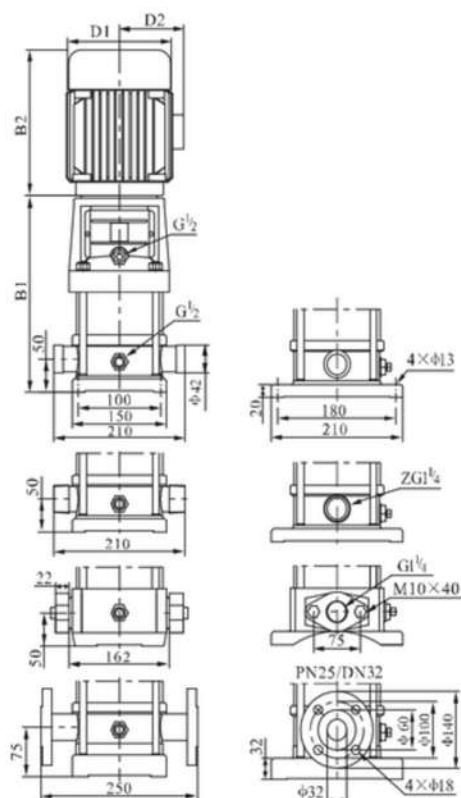
PERFORMANCE CURVE



PERFORMANCE TABLE

Model	Equipped motor (kW)	Q (m ³ /h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
CDL/F 4-2	0.37	H (m)	19	18	17	15	13	10	8
CDL/F 4-3	0.55		28	27	26	24	20	18	13
CDL/F 4-4	0.75		38	36	34	32	27	24	19
CDL/F 4-5	1.1		47	45	43	40	34	31	23
CDL/F 4-6	1.1		56	54	52	48	41	37	28
CDL/F 4-7	1.5		66	63	61	56	48	43	33
CDL/F 4-8	1.5		74	72	70	64	55	50	38
CDL/F 4-10	2.2		96	90	87	81	71	62	48
CDL/F 4-12	2.2		114	108	104	95	85	75	58
CDL/F 4-14	3.0		136	126	122	112	101	89	68
CDL/F 4-16	3.0		152	144	140	129	115	101	78
CDL/F 4-19	4.0		183	171	168	153	137	122	93
CDL/F 4-22	4.0		211	200	192	178	160	138	108

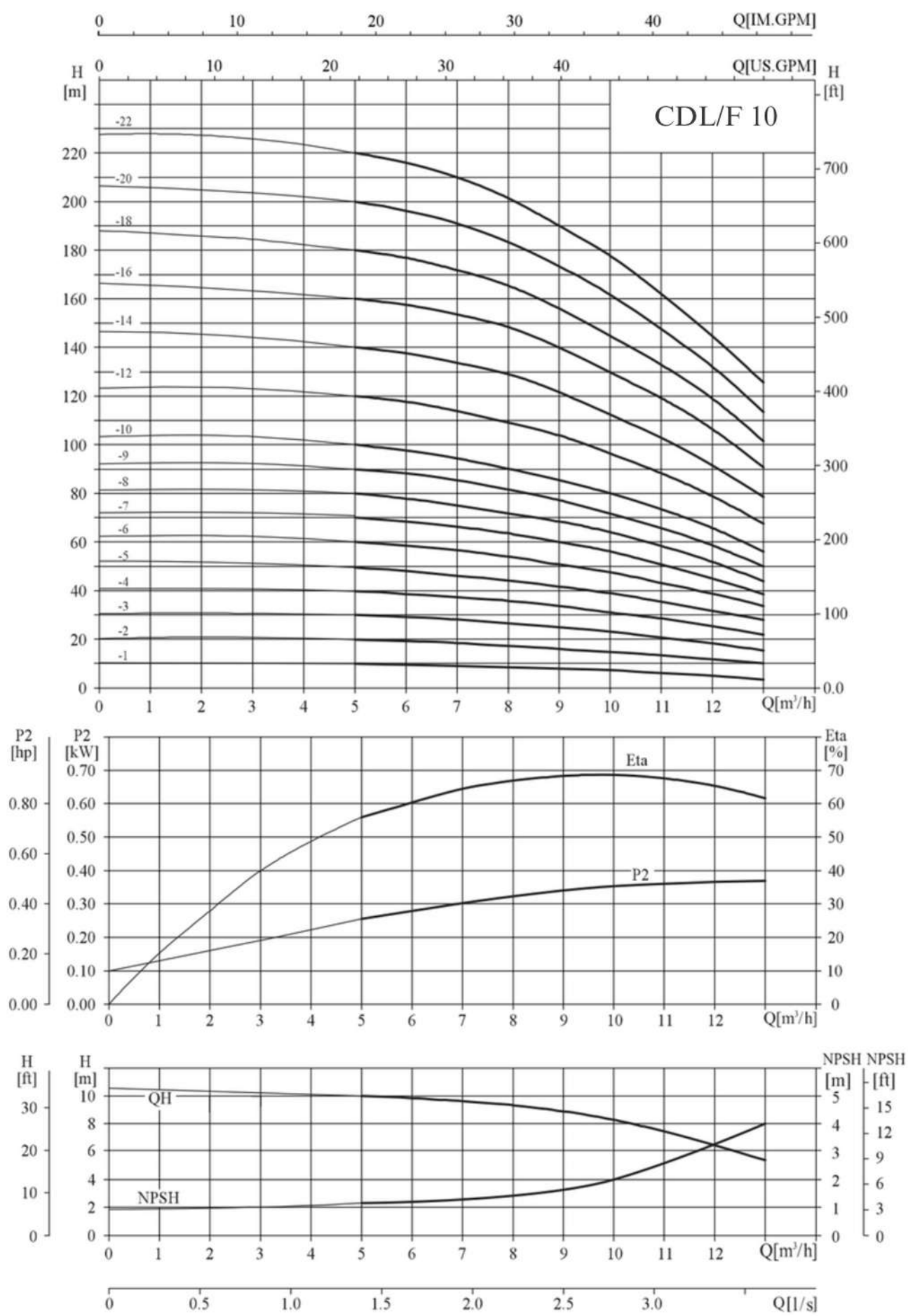
INSTALLATION CHART



SIZE AND WEIGHT

Model	size (mm)					weight (kg)
	B1	B2	B1+B2	D1	D2	
CDL/F 4-2	276	225	501	148	117	21
CDL/F 4-3	303	225	528	148	117	22
CDL/F 4-4	340	245	585	170	142	25
CDL/F 4-5	367	245	612	170	142	27
CDL/F 4-6	394	245	639	170	142	27
CDL/F 4-7	431	290	721	190	155	33
CDL/F 4-8	458	290	748	190	155	33
CDL/F 4-10	512	290	802	190	155	37
CDL/F 4-12	566	290	856	190	155	38
CDL/F 4-14	630	345	975	197	165	46
CDL/F 4-16	684	345	1029	197	165	48
CDL/F 4-19	765	355	1120	230	188	57
CDL/F 4-22	846	355	1201	230	188	59

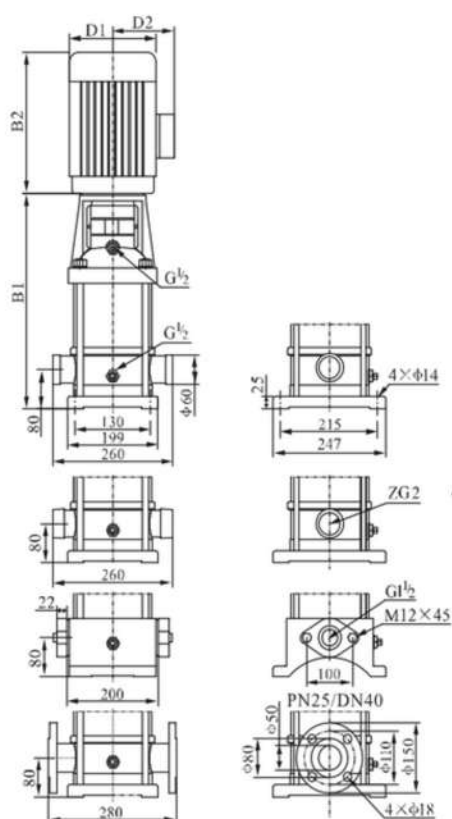
PERFORMANCE CURVE



PERFORMANCE TABLE

Model	Equipped motor (kW)	Q (m ³ /h)	5	6	7	8	9	10	11	12	13
CDL/F 10-1	0.75	H (m)	9.7	9.3	8.9	8.3	7.7	7	6	5	4
CDL/F 10-2	0.75		19.5	19	18	17	16	15	13.5	11.5	10
CDL/F 10-3	1.1		29.5	29	28	27	25	23	21	18	16
CDL/F 10-4	1.5		39.5	38.5	37.5	36	34	31	28	25	22
CDL/F 10-5	2.2		49.5	48.5	47	44	42	39	35	32	28
CDL/F 10-6	2.2		60	58	56	54	51	48	43	39	34
CDL/F 10-7	3		70	68	66	63	60	56	51	45	39
CDL/F 10-8	3		80	78	75	73	69	64	58	52	44
CDL/F 10-9	3		90	87	85	81	77	72	66	58	50
CDL/F 10-10	4		100	97	95	90	85	80	74	66	56
CDL/F 10-12	4		120	117	114	109	104	96	89	79	68
CDL/F 10-14	5.5		140	137	134	129	122	113	103	92	79
CDL/F 10-16	5.5		160	158	153	148	140	129	119	106	91
CDL/F 10-18	7.5		180	177	172	166	156	145	133	119	102
CDL/F 10-20	7.5		200	196	191	184	173	162	147	132	114
CDL/F 10-22	7.5		220	216	210	202	190	178	162	145	126

INSTALLATION CHART



SIZE AND WEIGHT

Model	size (mm)					weight (kg)
	B1	B2	B1+B2	D1	D2	
CDL/F 10-1	347	245	592	170	142	40
CDL/F 10-2	347	245	592	170	142	41
CDL/F 10-3	377	245	622	170	142	43
CDL/F 10-4	417	290	707	190	155	49
CDL/F 10-5	447	290	737	190	155	53
CDL/F 10-6	477	290	767	190	155	54
CDL/F 10-7	517	345	862	197	165	64
CDL/F 10-8	547	345	892	197	165	65
CDL/F 10-9	577	345	922	197	165	66
CDL/F 10-10	607	355	962	230	188	74
CDL/F 10-12	667	355	1022	230	188	76
CDL/F 10-14	747	390	1137	260	208	100
CDL/F 10-16	807	390	1197	260	208	102
CDL/F 10-18	867	390	1257	260	208	107
CDL/F 10-20	927	390	1317	260	208	109
CDL/F 10-22	987	390	1377	260	208	111



PT. CAHAYA SAKTI MANDIRI

Jl Boulevard Raya AA 10/29 Tambun

Bekasi, Jawa Barat, Indonesia

(Office)

Jl. Gondang, RT.001/RW.005, Cimuning

Tambun, Bekasi, Jawa Barat, Indonesia

(Warehouse)

Tel. 021 88355281

Fax 021 82621664

e-mail: ptcsm.sales@gmail.com
www.pompaindustri.co.id