

For the first time to fly

For the first time to fly

CDL(F), CDLK, CM

Multistage Centrifugal Pump
50Hz



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FIRST PUMP Shijiazhuang First Pump Factory Co., Ltd.

The human beings look for the ways to fly just because of no wings

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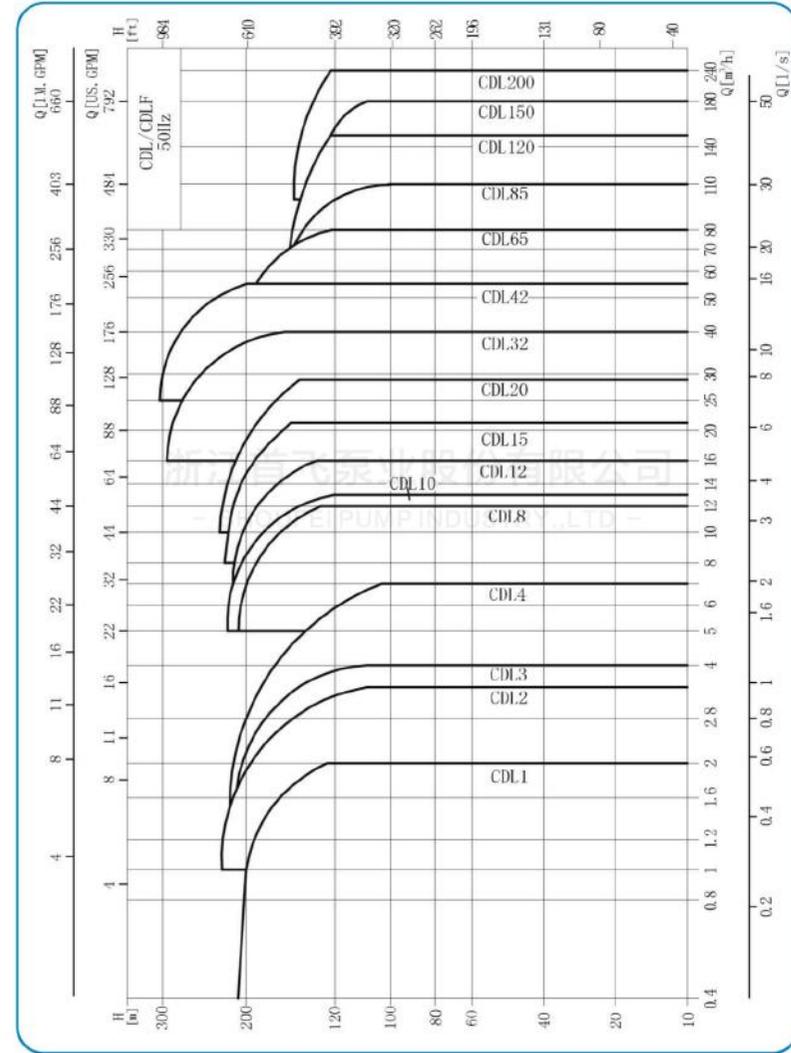
CDL(F)

Vertical multistage centrifugal pump



General data

Performance data



General data

Product specification

Description	CDL1	CDL2	CDL3	CDL4	CDL8	CDL10	CDL12	CDL15	CDL20	CDL32	CDL42	CDL65	CDL85	CDL120	CDL150	CDL200
Rated flow [m ³ /h]	1	2	3	4	8	10	12	15	20	32	42	65	85	120	150	200
Rated flow [1/S]	0.28	0.56	0.83	1.1	2.2	2.78	3.3	4.17	5.6	8.9	11.7	18	24	33	41.6	55.6
Flow range [m ³ /h]	0.42	1-3.5	1.24	1.5-7	5-12	5-13	7-16	8-22	10-28	16-40	25-55	30-80	50-110	60-150	80-180	100-240
Flow range [1/S]	0.11-0.56	0.26-0.97	0.33-1.1	0.42-1.9	1.4-3.3	1.4-3.61	1.9-4.4	2.2-6.1	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	16.7-41.7	22.50	27.8-66.7
Maximum pressure [bar]	21	23	22	21	21	22	22	22	23	29	30	22	17	16	16	16
Power of electric motor [KW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.75-7.5	0.75-7.5	1.5-11	1.1-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75	11-75	18.5-110
Temperature range [°C]	-15---120															
Peak efficiency [%]	44	46	54	57	62	68	63	70	69	73	75	76	77	74	73	79
Type																
CDL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CDLF	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CDL Pipeline connection																
DIN flange	DN25	DN25	DN25	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Oval flange	G1	G1	G1	G1 1/4	G1 1/2	G1 1/2										
CDLF Pipeline connection																
DIN flange	DN25	DN25	DN25	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Ferrule fitting	DN32	DN32	DN32	DN32	DN50	DN50	DN50	DN50	DN50							
Pipe thread	ZG1 1/4	ZG1 1/4	ZG1 1/4	ZG1 1/4	ZG2	ZG2	ZG2	ZG2	ZG2	ZG2						
Oval flange	G1	G1	G1	G1 1/4	G1 1/2	G1 1/2										

General data

Application

CDL/CDLF pump is a multifunctional product that can transport a variety of media from tap water to industrial liquids, suitable for different temperature, flow and pressure ranges. CDL pump is suitable for non-corrosive liquid, and CDLF pump is suitable for slightly corrosive liquid.

- Water supply: water filtering and distribution, water supply from water works to water subarea, main pipeline pressurization, high-rise building pressurization.
- Industrial boosting: process water system, cleaning system, high pressure flushing system, fire fighting system.
- Industrial liquid conveying: cooling and air conditioning systems, boiler feed water and condensation systems, machine tool kits, acid and alkali.
- Water treatment: ultrafiltration system, reverse osmosis system, distillation system, diverter, swimming pool.
- Irrigation: agricultural irrigation, spray irrigation, drip irrigation.

Operating conditions

- Available for thin, clean, non flammable & non-explosive liquid without solid particles or fibers.
- Liquid temperature: Normal temperature water -15°C ~ +70°C Hot water -15°C ~ 120°C.
- Cabinet temperature: Maximum +40°C.
- Altitude: Maximum +40°C.

Pump

CDL/ CDLF is a kind of vertical non-self priming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft directly connects with the pump shaft through a coupling. The pressure-resistant cylinder and flow passage components are fixed between pump head and inlet & outlet section with stay bolts. The inlet and outlet are located at the pump bottom at the same plane. This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out-of-phase and overload.

Electric motor

- Electric motor is fully enclosed & fan cooled 2-pole standard.
- Protection class: Ip55.
- Insulation class: F
- Standard Voltage: 50Hz: 1×220-230/20V
3×200-220/346-380V
3×220-240/380-415V
3×380-415V

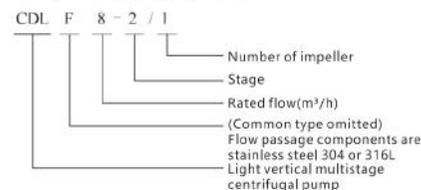
Performance curve

The following instructions apply to shown curves on below:

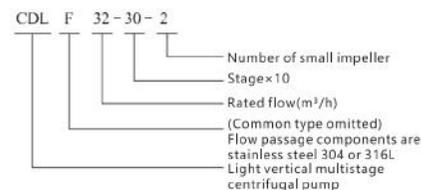
1. All curves are based on the measurements of the electric motor at a constant speed of 2900rpm or 2950rpm,
2. The curves tolerance comply with ISO9906:2012, 3B class,
3. The test adopts water without air at 20 °C and the kinematic viscosity is 1mm²/s,
4. The use of the pump refers to the performance range of the bold curve to prevent overheating caused by too small flow and overload of the motor caused by too heavy flow.

Model implication

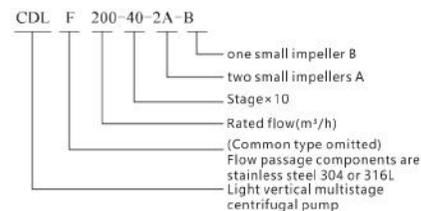
CDL,CDLF1,2,3,4,8,10,12,15And20



CDL,CDLF32,42,65,85,120And150



CDL,CDLF200



General data

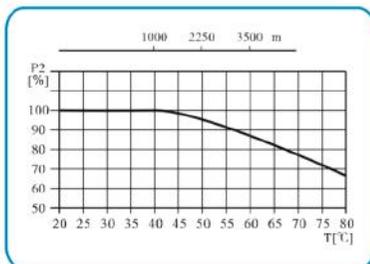
Maximum working pressure

Item	Maximum working pressure(bar)
CDL1,2,3,4Flange	25
CDL(f)1,2,3,4Oval flange	16
CDLF1,2,3,4Flange, ferrule, pipe thread	25
CDL8,10,12,15,20Flange	25
CDL(F)8,10Oval flange	16
CDLF8,10,12,15,20Flange, ferrule, pipe thread	25
CDL32	
32-10-1~32-80	16(30)
32-90-2~32-160	30
CDLF32	30
CDL42	
42-10-1~42-60-2	16(30)
42-60~42-90	25(30)
42-100-2~42-130-2	30
CDLF42	
42-10-1~42-90	25(30)
42-100-2~42-130-2	30
CDLF65	
65-10-1~65-50-2	16(25)
65-50-1~65-80-1	25
CDL85	
85-10-1~85-40-2	16(25)
85-40~85-60	25
CDLF65,85	25
CDL,CDLF120,150,200	20

Notes: The pressure in parentheses should be customized.

Maximum ambient temperature

When the pump operates at ambient temperature more than 40 °C or altitude more than 1000m, due to low air density and poor cooling effect, the motor output power P2 will be reduced to a certain extent. When the pump operates under the above conditions, the motor power should be increased.



General data

Minimum inlet pressure NPSH

Cavitation may occur if the pressure in the pump is lower than the vaporization pressure of the conveying liquid. To avoid cavitation, ensure that there is a minimum pressure on the inlet side of the pump. The maximum suction lift H (M) can be calculated according to the following formula:

$$H = Ph \times 10.2 - NPSH - Hf - Hv - Hs$$

$$H = Ph \times 10.2 - NPSH - Hf - Hv - Hs$$

$$Pb = \text{Atmospheric pressure [bar]}$$

(The atmospheric pressure can be set to one bar.)

In the closed-type system, Pb is system pressure bar.

NPSH=Net positive suction head[m]

(It can be read from the maximum possible flow of the pump on the NPSH curve.)

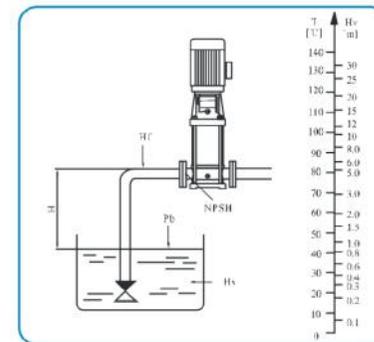
Hf=Pipeline loss at inlet[m]

Hv=Vaporization pressure[m]

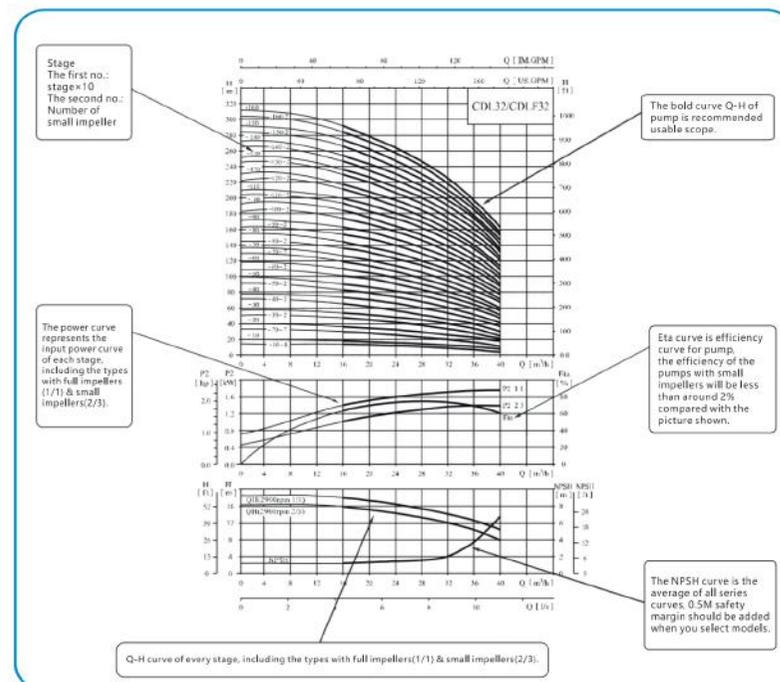
Hs= Safety margin=Minimum 0.5M head

The pump can operate at the maximum suction H if the calculated H is positive.

If the calculated H is negative, and there must be a head of minimum inlet pressure H.



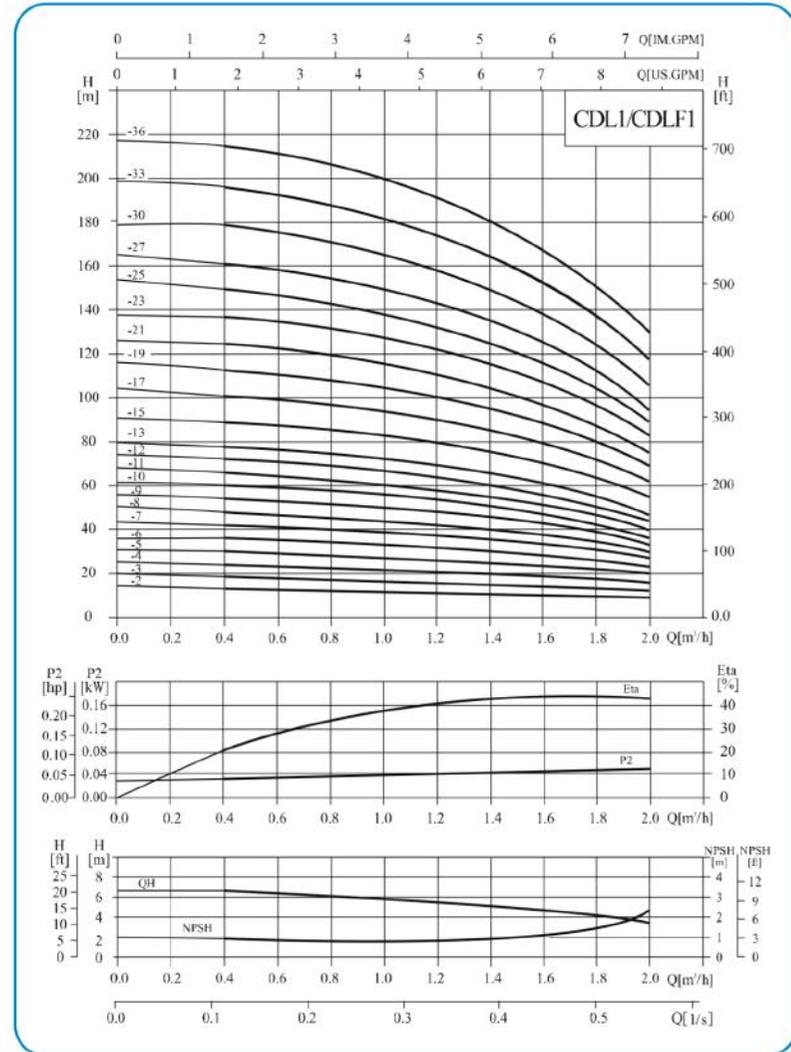
Check to ensure that the pump is not in cavitation condition



Technical data

Performance curve

2900rpm



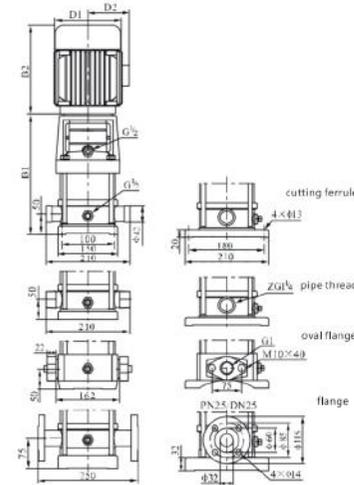
07

Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
CDL1-2	0.37	H (m)	13	12.5	12	11.5	11	10.5	10	9.5	9
CDL1-3	0.37		19	18	17.5	17	16.5	16	15	14	12
CDL1-4	0.37		24	23.5	23	22.5	21.5	21	19	18	16
CDL1-5	0.37		30	29.6	29	28	27	26	24	22	20
CDL1-6	0.37		36	35.5	35	33.5	33	31	28	26	23
CDL1-7	0.37		42	41	40.5	39	38	36	33	30	27
CDL1-8	0.55		48	47	46	45	43	41	38	34	30
CDL1-9	0.55		54	53	52	51	49	46	43	39	33
CDL1-10	0.55		60	59	58	57	54	51	48	43	36
CDL1-11	0.55		66	65	63	61	59	56	52	47	40
CDL1-12	0.75		72	71	69	67	64	61	57	51	44
CDL1-13	0.75		78	77	75	73	69	66	62	55	47
CDL1-15	0.75		89	88	86	84	79	76	71	63	55
CDL1-17	1.1		101	99	97	95	89	86	80	71	62
CDL1-19	1.1		113	110	108	106	99	96	89	79	69
CDL1-21	1.1		124	122	120	117	110	106	98	87	75
CDL1-23	1.1		137	133	131	128	121	116	107	96	82
CDL1-25	1.5		149	145	143	139	131	126	116	104	89
CDL1-27	1.5		161	157	155	150	141	136	125	112	95
CDL1-30	1.5		178	175	171	166	157	150	139	124	106
CDL1-33	2.2		196	192	188	183	173	165	154	137	118
CDL1-36	2.2		214	210	205	200	190	181	169	151	130

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	D1	D2	
CDL1-2	258	225	483	148	117	23
CDL1-3	276	225	501	148	117	23
CDL1-4	294	225	519	148	117	24
CDL1-5	312	225	537	148	117	24
CDL1-6	330	225	555	148	117	25
CDL1-7	348	225	573	148	117	25
CDL1-8	366	225	591	148	117	28
CDL1-9	384	225	609	148	117	28
CDL1-10	402	225	627	148	117	29
CDL1-11	420	225	645	148	117	30
CDL1-12	448	245	693	170	142	33
CDL1-13	466	245	711	170	142	34
CDL1-15	502	245	747	170	142	35
CDL1-17	538	245	783	170	142	36
CDL1-19	574	245	819	170	142	37
CDL1-21	610	245	855	170	142	38
CDL1-23	646	245	891	170	142	38
CDL1-25	692	290	982	190	155	44
CDL1-27	728	290	1018	190	155	45
CDL1-30	782	290	1072	190	155	46
CDL1-33	836	290	1126	190	155	48
CDL1-36	890	290	1180	190	155	49

CDL1-25 ~ 1-36 sub-connection of pipeline has no oval flange connection

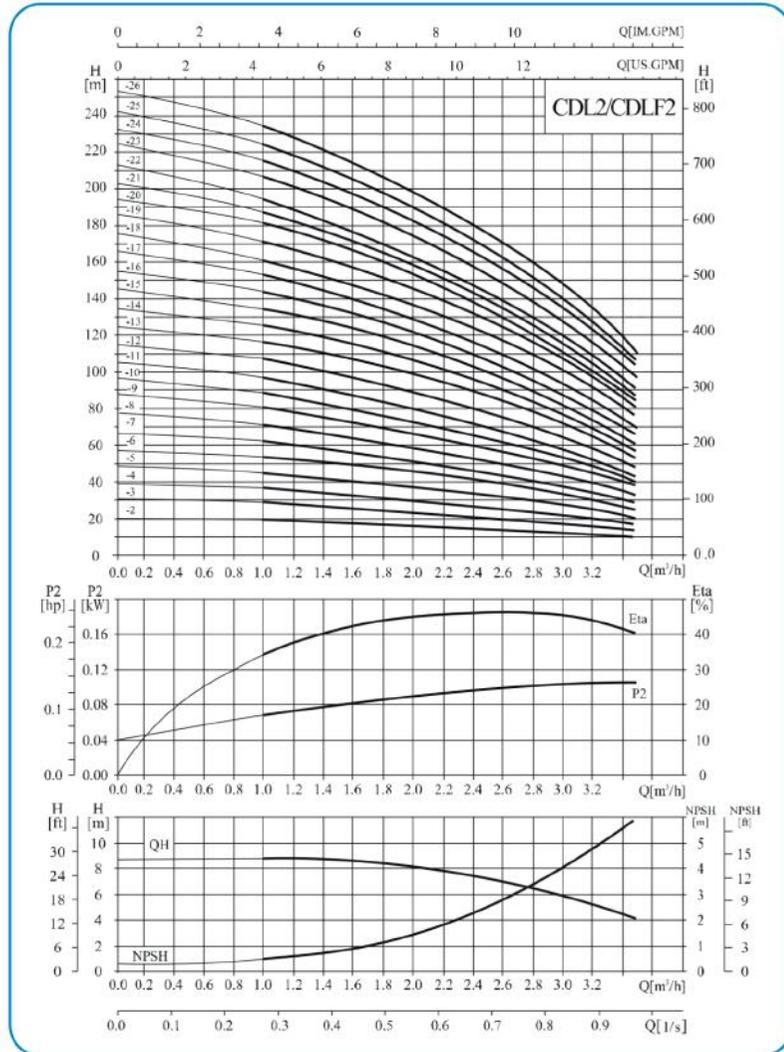
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

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Technical data

Performance curve

2900rpm



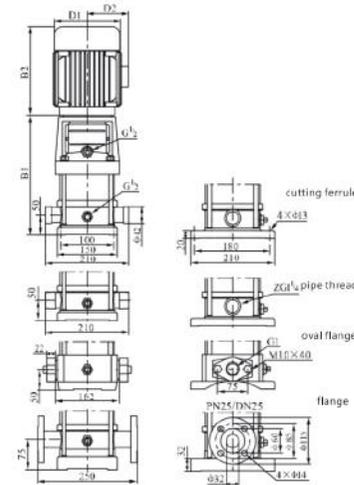
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Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
CDL2-2	0.37	H (m)	18	17	16	15	13	12	10	8
CDL2-3	0.37		27	26	24	22	20	18	15	12
CDL2-4	0.55		36	35	33	30	26	24	20	16
CDL2-5	0.55		45	43	40	37	33	30	24	20
CDL2-6	0.75		53	52	50	45	40	36	30	24
CDL2-7	0.75		63	61	57	52	47	41	35	28
CDL2-9	1.1		80	78	73	67	61	54	45	37
CDL2-11	1.1		98	95	89	82	73	64	54	44
CDL2-13	1.5		116	114	106	98	89	78	65	52
CDL2-15	1.5		134	130	123	112	100	90	73	60
CDL2-18	2.2		161	157	148	136	121	108	91	76
CDL2-22	2.2		197	192	180	165	148	130	110	90
CDL2-26	3.0		232	228	214	198	179	158	130	110

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	D1	D2	
CDL2-2	258	225	483	148	117	24
CDL2-3	276	225	501	148	117	24
CDL2-4	294	225	519	148	117	25
CDL2-5	312	225	537	148	117	26
CDL2-6	340	245	585	170	142	30
CDL2-7	358	245	603	170	142	30
CDL2-9	394	245	639	170	142	33
CDL2-11	430	245	675	170	142	34
CDL2-13	476	290	766	190	155	40
CDL2-15	512	290	802	190	155	42
CDL2-18	566	290	856	190	155	46
CDL2-22	638	290	928	190	155	47
CDL2-26	720	343	1065	197	165	53

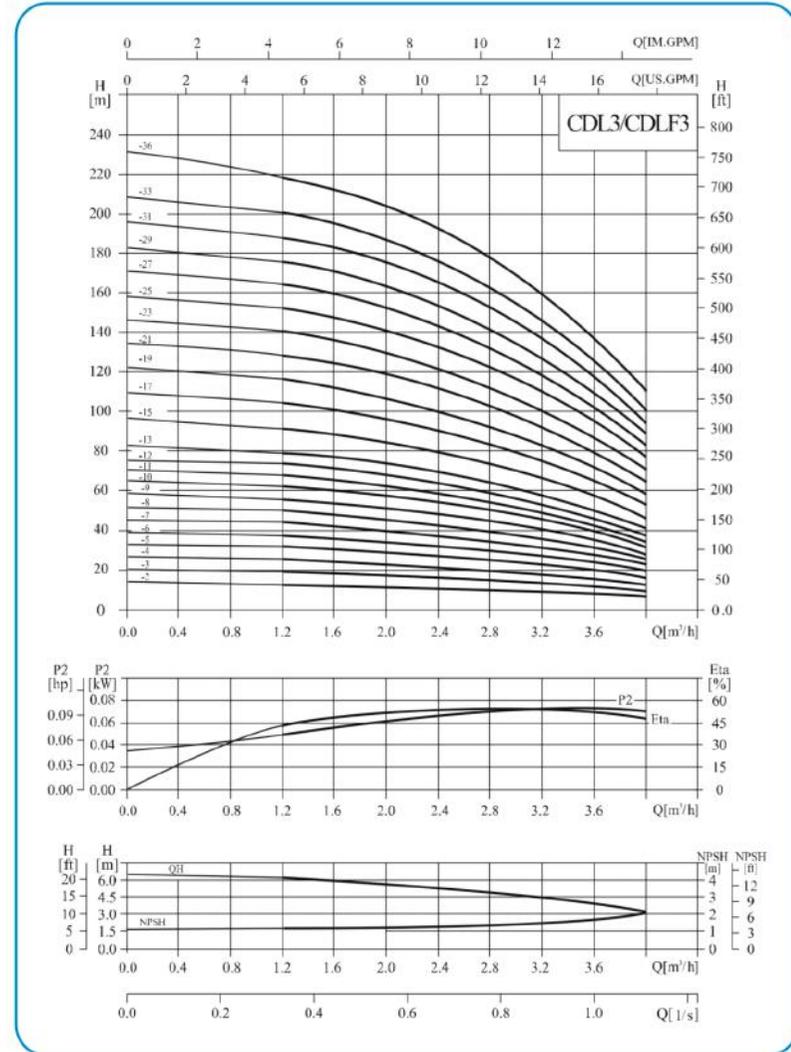
CDL2-18 ~ 2-26 sub-connection of pipeline has no oval flange connection
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

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Technical data

Performance curve

2900rpm

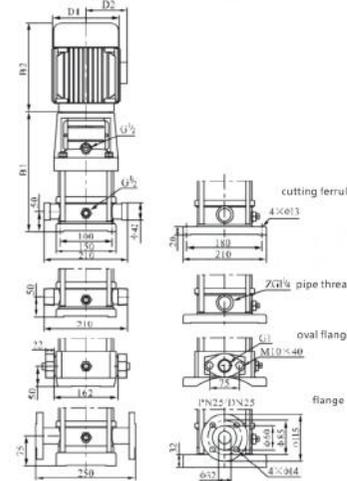


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
CDL3-2	0.37	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
CDL3-3	0.37		19	18.5	17.5	16.5	15	14	13	11	9
CDL3-4	0.37		25	24	23	21.5	20	19	18	15	12
CDL3-5	0.37		31	30	29	27	25	23	22	19	16
CDL3-6	0.55		36	35	34	32	30	28	27	23	19
CDL3-7	0.55		43	41	39	37	34	32	31	27	22
CDL3-8	0.75		49	47	45	43	39	37	35	31	25
CDL3-9	0.75		55	53	51	48	45	42	40	35	28
CDL3-10	0.75		61	59	57	54	50	47	45	39	31
CDL3-11	1.1		67	64	61	58	54	51	49	42	34
CDL3-12	1.1		73	70	67	63	58	55	52	45	37
CDL3-13	1.1		78	76	73	69	64	60	57	49	40
CDL3-15	1.1		90	88	84	79	73	69	66	57	46
CDL3-17	1.5		103	100	96	90	83	79	75	64	52
CDL3-19	1.5		115	112	107	100	92	88	83	72	58
CDL3-21	2.2		128	124	119	112	102	98	91	79	64
CDL3-23	2.2		140	135	130	122	112	107	100	86	70
CDL3-25	2.2		151	147	141	131	122	116	109	94	76
CDL3-27	2.2		164	159	152	143	132	124	117	101	82
CDL3-29	2.2		175	170	163	153	142	133	126	109	88
CDL3-31	3.0		187	182	175	165	155	142	135	116	94
CDL3-33	3.0		199	194	187	176	163	151	145	125	100
CDL3-36	3.0		218	212	204	192	178	168	159	137	109

Installation instruction



Dimension & Weight

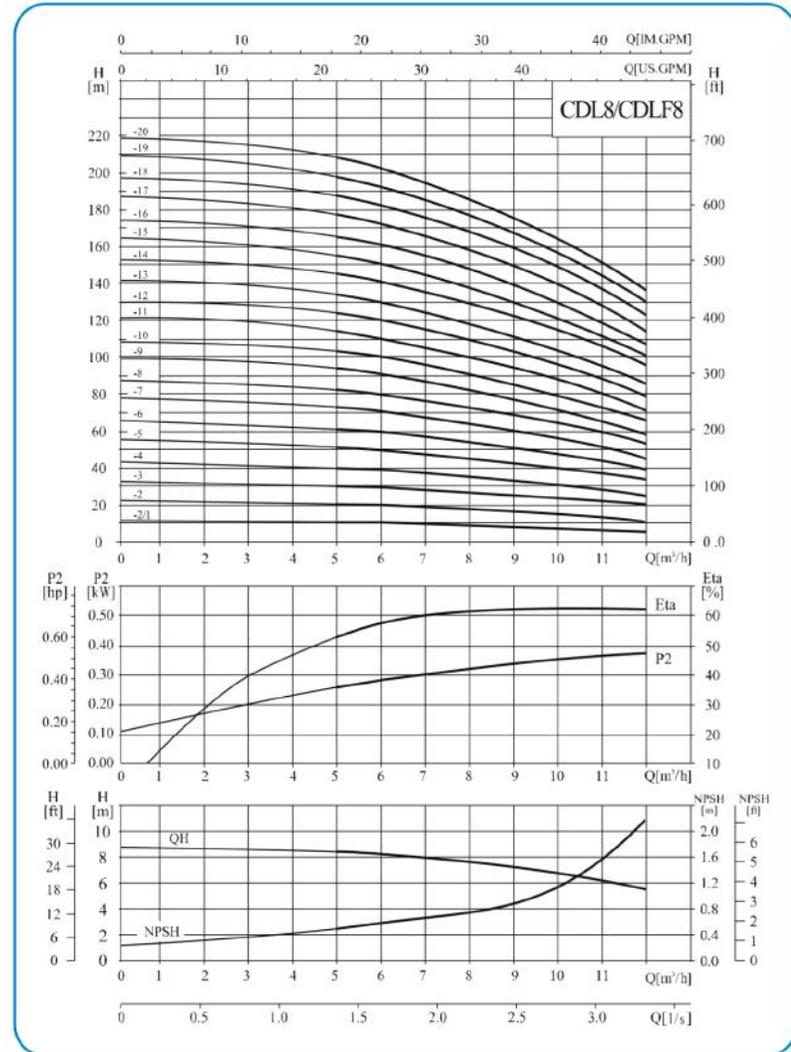
Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	D1	D2	
CDL3-2	258	225	483	148	117	23
CDL3-3	276	225	501	148	117	23
CDL3-4	294	225	519	148	117	24
CDL3-5	312	225	537	148	117	24
CDL3-6	330	225	555	148	117	25
CDL3-7	348	225	573	148	117	26
CDL3-8	376	245	621	170	142	30
CDL3-9	394	245	639	170	142	31
CDL3-10	412	245	657	170	142	32
CDL3-11	430	245	675	170	142	32
CDL3-12	448	245	693	170	142	33
CDL3-13	466	245	711	170	142	34
CDL3-15	502	245	747	170	142	35
CDL3-17	548	290	838	190	155	41
CDL3-19	584	290	874	190	155	42
CDL3-21	620	290	910	190	155	45
CDL3-23	656	290	946	190	155	46
CDL3-25	692	290	982	190	155	47
CDL3-27	728	290	1018	190	155	48
CDL3-29	764	290	1054	190	155	49
CDL3-31	810	345	1155	197	165	57
CDL3-33	846	345	1191	197	165	58
CDL3-36	900	345	1245	197	165	60

CDL3-25 ~ 3-36 sub-connection of pipeline has no oval flange connection
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Performance curve

2900rpm



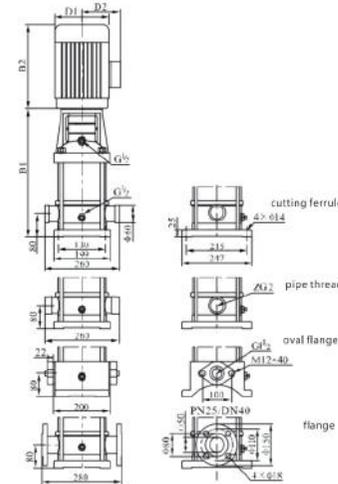
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Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	5	6	7	8	9	10	11	12
CDL8-2.1	0.75	H (m)	10	9.5	9.3	9	8.5	8	7	6
CDL8-2	0.75		20	19.5	19	18	17	16	14	13
CDL8-3	1.1		30	29.5	28.5	27	25	24	21	19
CDL8-4	1.5		41	39.5	38	36	34	32	28	26
CDL8-5	2.2		52	50	48	45	42	40	36	32
CDL8-6	2.2		62	60	57	54	51	48	43	39
CDL8-8	3.0		83	80	77	73	69	65	58	52
CDL8-10	4.0		104	100	97	92	87	81	73	65
CDL8-12	4.0		124	120	116	111	104	92	87	78
CDL8-14	5.5		145	141	136	130	122	113	102	92
CDL8-16	5.5		166	161	156	148	139	130	118	106
CDL8-18	7.5		187	182	175	167	157	146	134	120
CDL8-20	7.5		208	202	195	186	175	163	150	135

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	D1	D2	
CDL8-2/1	347	245	592	170	142	33
CDL8-2	347	245	592	170	142	33
CDL8-3	377	245	622	170	142	35
CDL8-4	417	290	707	190	155	42
CDL8-5	447	290	737	190	155	46
CDL8-6	477	290	767	190	155	47
CDL8-8	547	345	892	197	165	55
CDL8-10	607	355	962	230	188	67
CDL8-12	667	355	1022	230	188	70
CDL8-14	747	390	1137	260	208	85
CDL8-16	807	390	1197	260	208	88
CDL8-18	867	390	1257	260	208	98
CDL8-20	927	390	1317	260	208	99

CDL8-14 ~ 8-20 sub-connection of pipeline has no oval flange connection

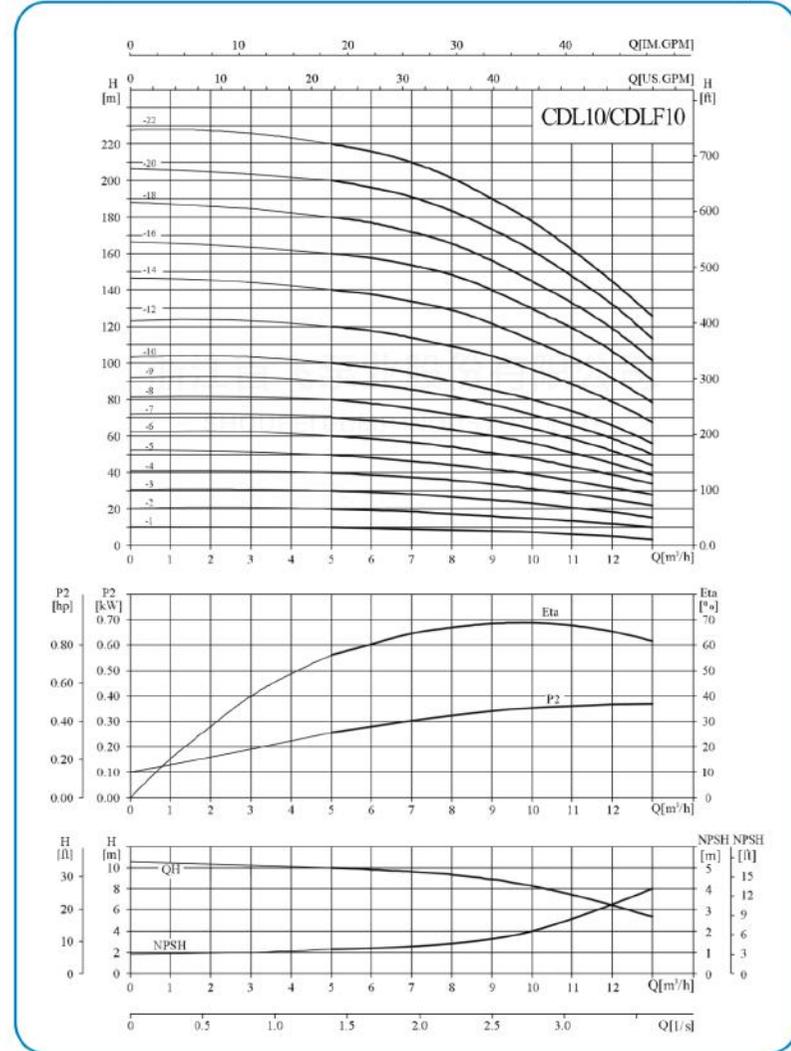
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

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Technical data

Performance curve

2900rpm

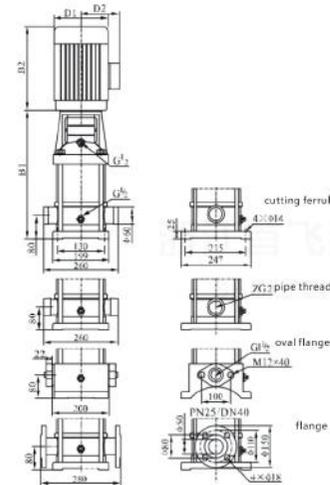


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	5	6	7	8	9	10	11	12	13
CDL10-1	0.75	H (m)	9.7	9.3	8.9	8.3	7.7	7	6	5	4
CDL10-2	0.75		19.5	19	18	17	16	15	13.5	11.5	10
CDL10-3	1.1		29.5	29	28	27	25	23	21	18	16
CDL10-4	1.5		39.5	38.5	37.5	36	34	31	28	25	22
CDL10-5	2.2		49.5	48.5	47	44	42	39	35	32	28
CDL10-6	2.2		60	58	56	54	51	48	43	39	34
CDL10-7	3		70	68	66	63	60	56	51	45	39
CDL10-8	3		80	78	75	73	69	64	58	52	44
CDL10-9	3		90	87	85	81	77	72	66	58	50
CDL10-10	4		100	97	95	90	85	80	74	66	56
CDL10-12	4		120	117	114	109	104	96	89	79	68
CDL10-14	5.5		140	137	134	129	122	113	103	92	79
CDL10-16	5.5		160	158	153	148	140	129	119	106	91
CDL10-18	7.5		180	177	172	166	156	145	133	119	102
CDL10-20	7.5		200	196	191	184	173	162	147	132	114
CDL10-22	7.5		220	216	210	202	190	178	162	145	126

Installation instruction



Dimension & Weight

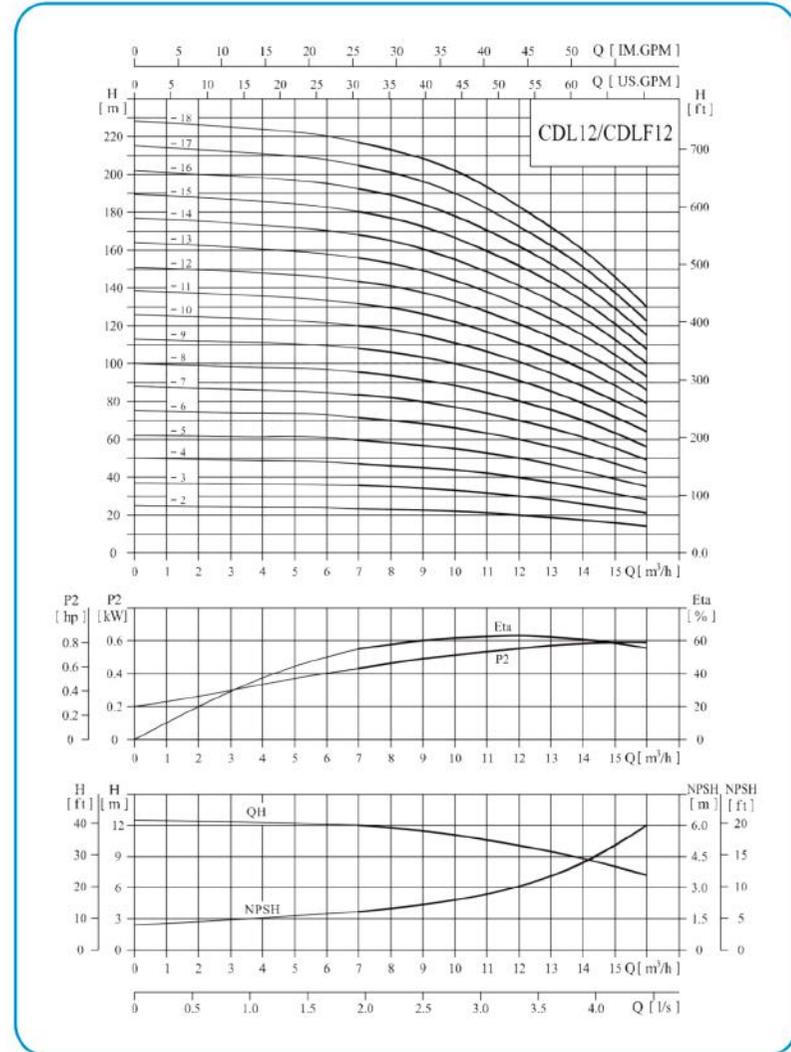
Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	DI	D2	
CDL(F)10-1	347	245	592	170	142	40
CDL(F)10-2	347	245	592	170	142	41
CDL(F)10-3	377	245	622	170	142	43
CDL(F)10-4	417	290	707	190	155	49
CDL(F)10-5	447	290	737	190	155	53
CDL(F)10-6	477	290	767	190	155	54
CDL(F)10-7	517	345	862	197	165	64
CDL(F)10-8	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

CDL10-16 ~ 10-22 sub-connection of pipeline has no oval flange connection
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Performance curve

2900rpm

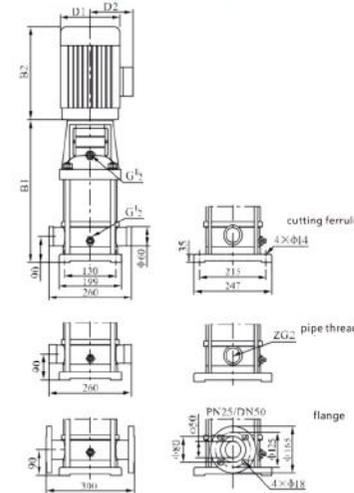


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	7	8	9	10	11	12	13	14	15	16
CDL12-2	1.5	H (m)	23.5	23	22.5	22	21	20	18.5	17	15.5	14
CDL12-3	2.2		35.5	35	34	33	31.5	30	28	26	23.5	21
CDL12-4	3		47	46	45	44	42	40	37	34	31	28
CDL12-5	3		59.5	58	56.5	55	52.5	50	46.5	43	39	35
CDL12-6	4		71.5	70	68	66	63	60	56	52	47	42
CDL12-7	5.5		83.5	82	79.5	77	73.5	70	65.5	61	55	49
CDL12-8	5.5		95.5	94	91	88	84	80	75	70	63	56
CDL12-9	5.5		108	106	103	100	95.5	91	85	79	71.5	64
CDL12-10	7.5		120	118	114.5	111	106	101	94.5	88	80	72
CDL12-12	7.5		143.5	141	137	133	127	121	113.5	106	96	86
CDL12-14	11		168	165	160	155	148	141	132.5	124	112	100
CDL12-16	11		192.5	189	183.5	178	170	162	152	142	128.5	115
CDL12-18	11		217	213	207.5	202	192.5	183	171.5	160	145	130

Installation instruction



Dimension & Weight

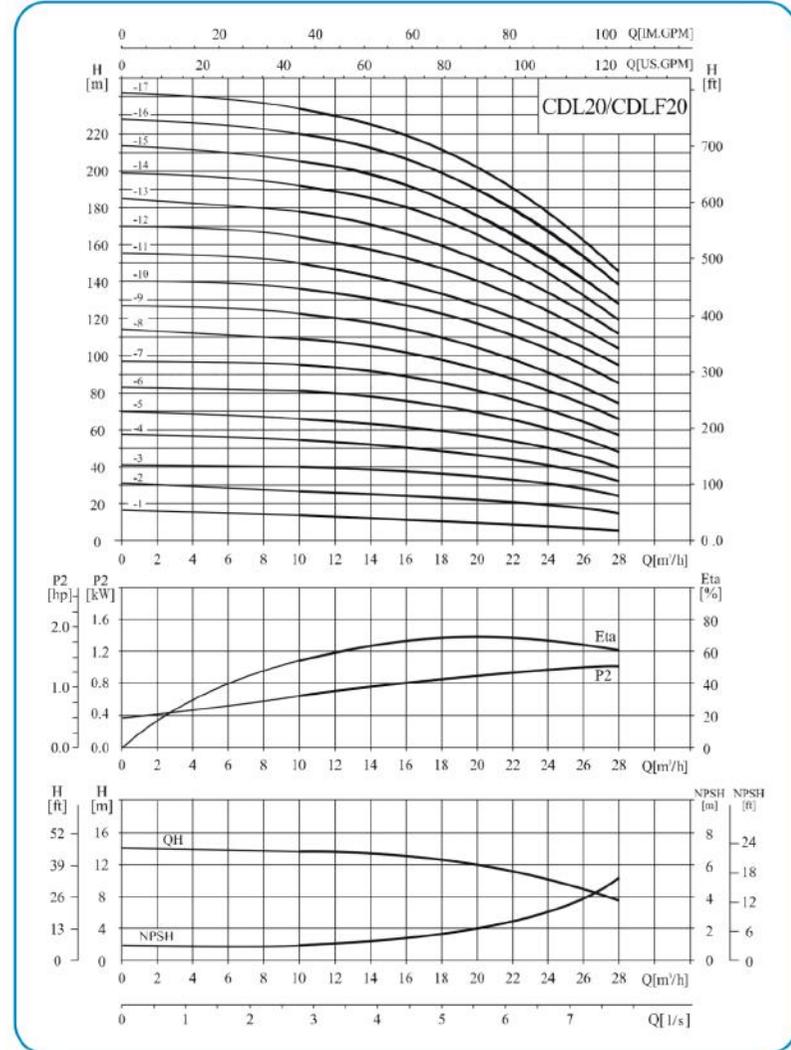
Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	D1	D2	
CDL12-2	367	290	657	190	155	40
CDL12-3	397	290	687	190	155	45
CDL12-4	437	345	782	197	165	55
CDL12-5	467	345	812	197	165	57
CDL12-6	497	355	852	230	188	66
CDL12-7	547	390	937	260	208	77
CDL12-8	577	390	967	260	208	78
CDL12-9	607	390	997	260	208	80
CDL12-10	637	390	1027	260	208	88
CDL12-12	697	390	1087	260	208	92
CDL12-14	845	500	1345	330	255	162
CDL12-16	905	500	1405	330	255	167
CDL12-18	965	500	1465	330	255	168

The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Performance curve

2900rpm

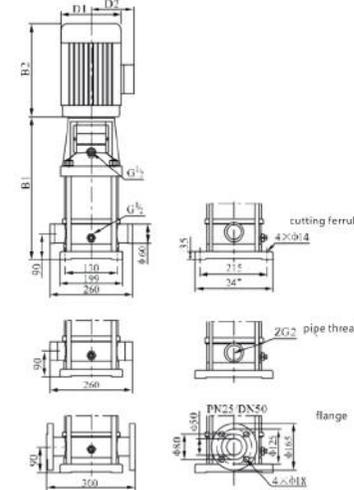


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	10	12	14	16	18	20	22	24	26	28
CDL20-1	1.1	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
CDL20-2	2.2		27	26.5	26	25	24	23	22	20	18	15
CDL20-3	4.0		40	39.5	39	38	37	35	33	30	27	24
CDL20-4	5.5		54	53	52	51	49	47	44	41	37	33
CDL20-5	5.5		67	66	64	62	60	58	55	50	45	40
CDL20-6	7.5		81	79	77	75	73	70	66	61	55	49
CDL20-7	7.5		95	93	91	89	86	82	77	71	65	58
CDL20-8	11		109	107	105	102	99	94	89	82	75	67
CDL20-10	11		136	134	131	128	124	118	111	103	95	85
CDL20-12	15		164	162	158	154	149	142	133	124	114	102
CDL20-14	15		192	189	185	180	174	166	156	145	133	119
CDL20-17	18.5		234	230	225	219	212	202	190	177	162	145

Installation instruction



Dimension & Weight

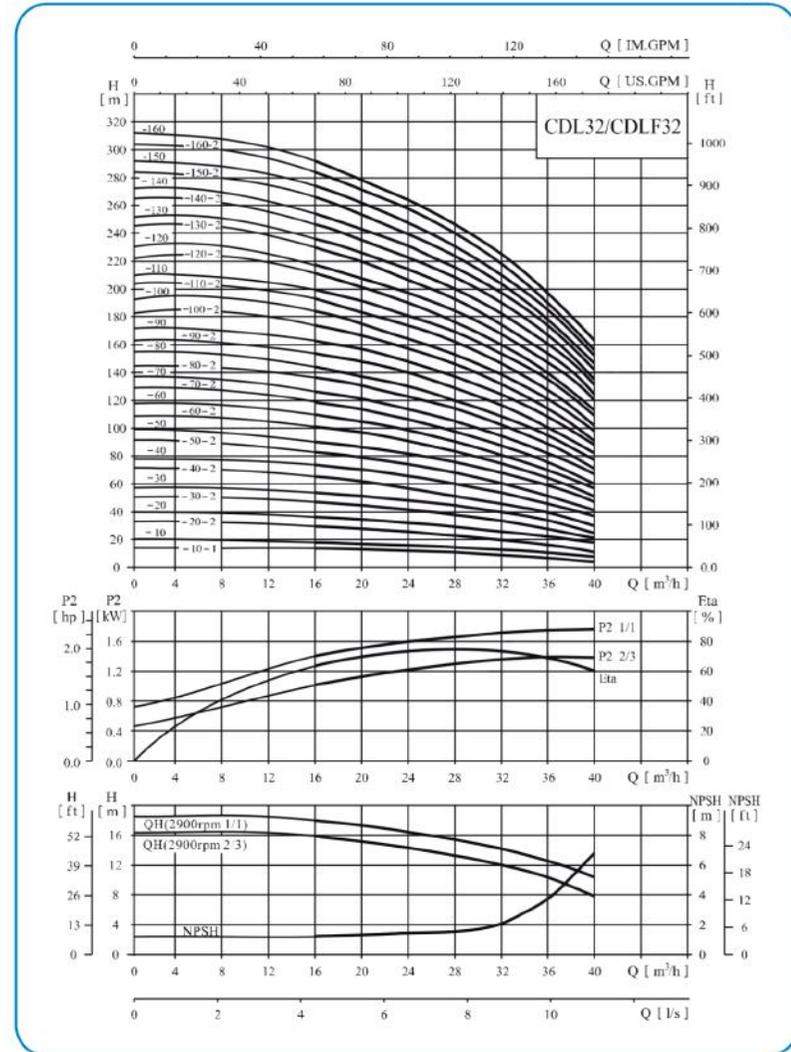
Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	D1	D2	
CDL20-1	387	245	632	170	142	33
CDL20-2	397	290	687	190	155	42
CDL20-3	452	355	807	230	188	58
CDL20-4	517	390	907	260	208	74
CDL20-5	562	390	952	260	208	75
CDL20-6	607	390	997	260	208	84
CDL20-7	652	390	1042	260	208	86
CDL20-8	785	500	1285	330	255	157
CDL20-10	875	500	1375	330	255	162
CDL20-12	965	500	1465	330	255	176
CDL20-14	1055	500	1555	330	255	178
CDL20-17	1190	550	1740	330	255	201

The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Performance curve

2900rpm

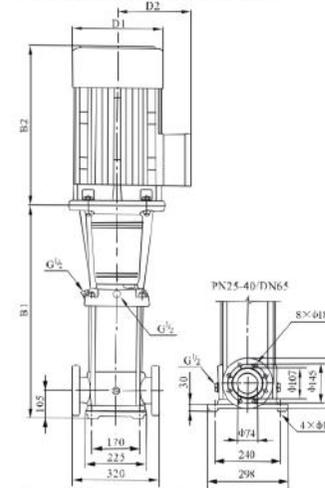


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	16	20	24	28	32	36	40	Model	Motor (kW)	Q (m³/h)	16	20	24	28	32	36	40
CDL32-10-1	1.5	H (m)	14	13	12	11	9	7	4	CDL32-90-2	18.5	H (m)	154	148	140	129	117	102	82
CDL32-10	2.2		18	17	15	14	13	11	8	CDL32-90	18.5		162	156	147	136	124	109	88
CDL32-20-2	3.0		29	28	26	23	20	16	11	CDL32-100-2	18.5		175	166	157	146	131	115	91
CDL32-20	4.0		36	34	32	29	27	23	18	CDL32-100	18.5		182	173	164	152	138	122	98
CDL32-30-2	5.5		47	44	41	38	33	28	21	CDL32-110-2	22		193	184	173	164	146	128	102
CDL32-30	5.5		54	51	48	44	40	35	27	CDL32-110	22		200	191	180	168	153	135	109
CDL32-40-2	7.5		65	62	58	53	46	40	30	CDL32-120-2	22		211	203	189	178	160	140	113
CDL32-40	7.5		72	69	65	59	53	47	37	CDL32-120	22		218	208	196	184	167	147	120
CDL32-50-2	11		83	79	74	68	60	52	41	CDL32-130-2	30		230	218	206	193	174	153	124
CDL32-50	11		90	86	81	74	67	59	47	CDL32-130	30		237	225	213	200	181	160	131
CDL32-60-2	11	101	97	90	83	74	65	51	CDL32-140-2	30	247	235	222	210	189	165	135		
CDL32-60	11	108	104	97	90	81	72	57	CDL32-140	30	255	242	229	216	196	172	142		
CDL32-70-2	15	119	114	107	98	88	78	60	CDL32-150-2	30	266	253	239	224	203	178	145		
CDL32-70	15	126	121	113	105	95	85	67	CDL32-150	30	274	260	246	231	210	185	152		
CDL32-80-2	15	136	131	123	114	102	90	71	CDL32-160-2	30	284	270	255	240	218	190	156		
CDL32-80	15	144	138	130	120	109	97	77	CDL32-160	30	292	277	262	246	225	197	163		

Installation instruction



The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

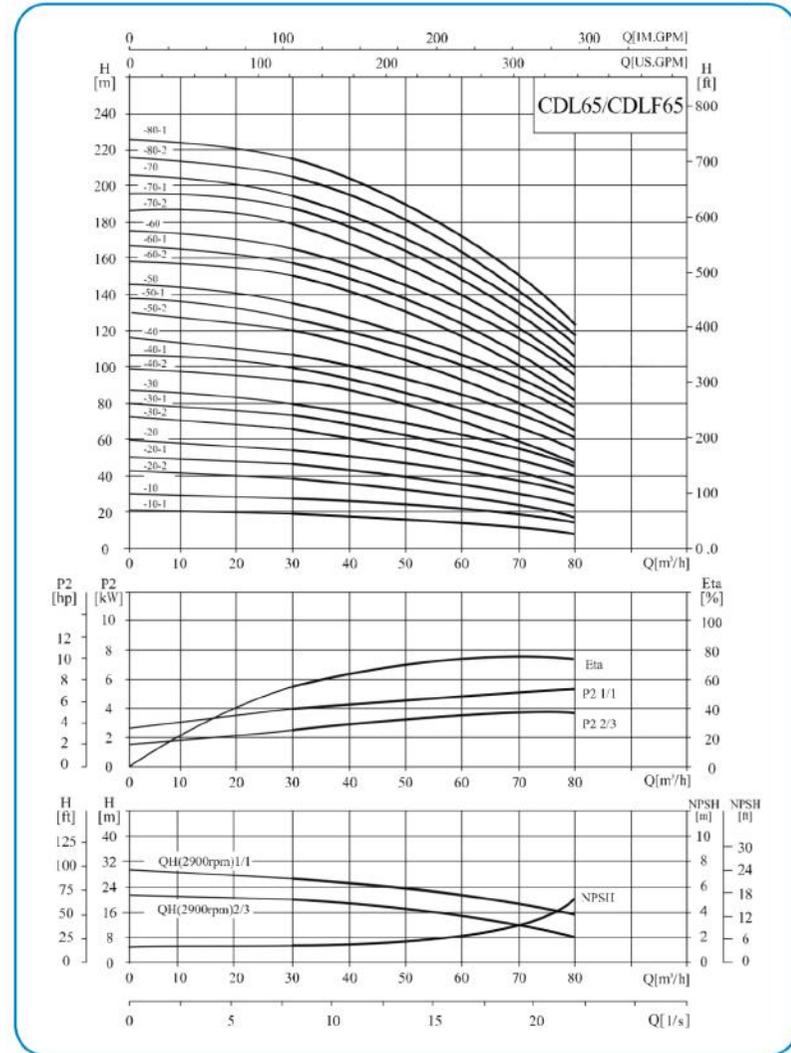
Dimension & Weight

Model	Dimension(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CDL32-10-1/CDL32-10	505	290	795	190	155	63/67
CDL32-20-2/CDL32-20	575	345/355/209/30	197/230	165/180	76/84	76/84
CDL32-30-2/CDL32-30	645	390	1035	260	208	99
CDL32-40-2/CDL32-40	715	390	1105	260	208	108
CDL32-50-2/CDL32-50	890	500	1390	330	255	187
CDL32-60-2/CDL32-60	960	500	1460	330	255	193
CDL32-70-2/CDL32-70	1030	500	1530	330	255	205
CDL32-80-2/CDL32-80	1100	500	1600	330	255	207
CDL32-90-2/CDL32-90	1170	550	1720	330	255	226
CDL32-100-2/CDL32-100	1240	550	1790	330	255	232
CDL32-110-2/CDL32-110	1310	575	1885	360	285	278
CDL32-120-2/CDL32-120	1380	575	1955	360	285	282
CDL32-130-2/CDL32-130	1450	650	2100	400	310	343
CDL32-140-2/CDL32-140	1520	650	2170	400	310	347
CDL32-150-2/CDL32-150	1590	650	2240	400	310	350
CDL32-160-2/CDL32-160	1660	650	2310	400	310	356

Technical data

Performance curve

2900rpm



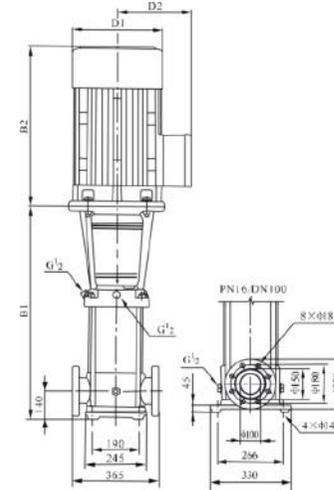
29

Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	30	40	50	60	65	70	80
CDL65-10-1	4.0	H (m)	19	18	16	14	13	11	8
CDL65-10	5.5		27	25	23	21	20	18	15
CDL65-20-2	7.5		39	36	33	29	26	23	17
CDL65-20-1	11		46	44	40	36	33	30	24
CDL65-20	11		53	51	47	43	40	37	30
CDL65-30-2	15		66	62	56	50	46	41	32
CDL65-30-1	15		73	69	63	57	53	48	39
CDL65-30	18.5		80	76	70	64	60	55	46
CDL65-40-2	18.5		92	87	80	71	66	60	47
CDL65-40-1	22		100	94	87	78	73	67	54
CDL65-40	22		107	101	94	85	80	74	61
CDL65-50-2	30		121	114	105	95	88	80	64
CDL65-50-1	30		128	121	112	102	95	87	71
CDL65-50	30		136	129	119	109	102	94	78
CDL65-60-2	30		150	142	131	118	110	101	81
CDL65-60-1	37		157	149	138	125	117	108	88
CDL65-60	37		164	156	145	132	124	115	95
CDL65-70-2	37		179	169	156	141	132	121	99
CDL65-70-1	37		186	176	163	148	139	128	106
CDL65-70	45		193	183	170	155	146	135	112
CDL65-80-2	45	207	196	182	164	154	142	116	
CDL65-80-1	45	215	203	189	171	161	149	123	

Installation instruction



Dimension & Weight

Model	Dimension(mm)				Weight(kg)	
	B1	B2	B1+B2	D1		D2
CDL65-10-1	561	355	916	230	188	98
CDL65-10	561	390	951	260	208	110
CDL65-20-2	644	390	1034	260	208	115
CDL65-20-1	754	500	1254	330	255	197
CDL65-20	754	500	1254	330	255	197
CDL65-30-2	836	500	1336	330	255	206
CDL65-30-1	836	500	1336	330	255	207
CDL65-30	836	550	1386	330	255	232
CDL65-40-2	919	550	1469	330	255	239
CDL65-40-1	919	575	1494	360	285	272
CDL65-40	919	575	1494	360	285	272
CDL65-50-2	1001	650	1651	400	310	334
CDL65-50-1	1001	650	1651	400	310	334
CDL65-50	1001	650	1651	400	310	335
CDL65-60-2	1084	650	1734	400	310	340
CDL65-60-1	1084	650	1734	400	310	365
CDL65-60	1084	650	1734	400	310	365
CDL65-70-2	1166	650	1816	400	310	370
CDL65-70-1	1166	650	1816	400	310	370
CDL65-70	1166	685	1851	460	340	437
CDL65-80-2	1248	685	1933	460	340	440
CDL65-80-1	1248	685	1933	460	340	440

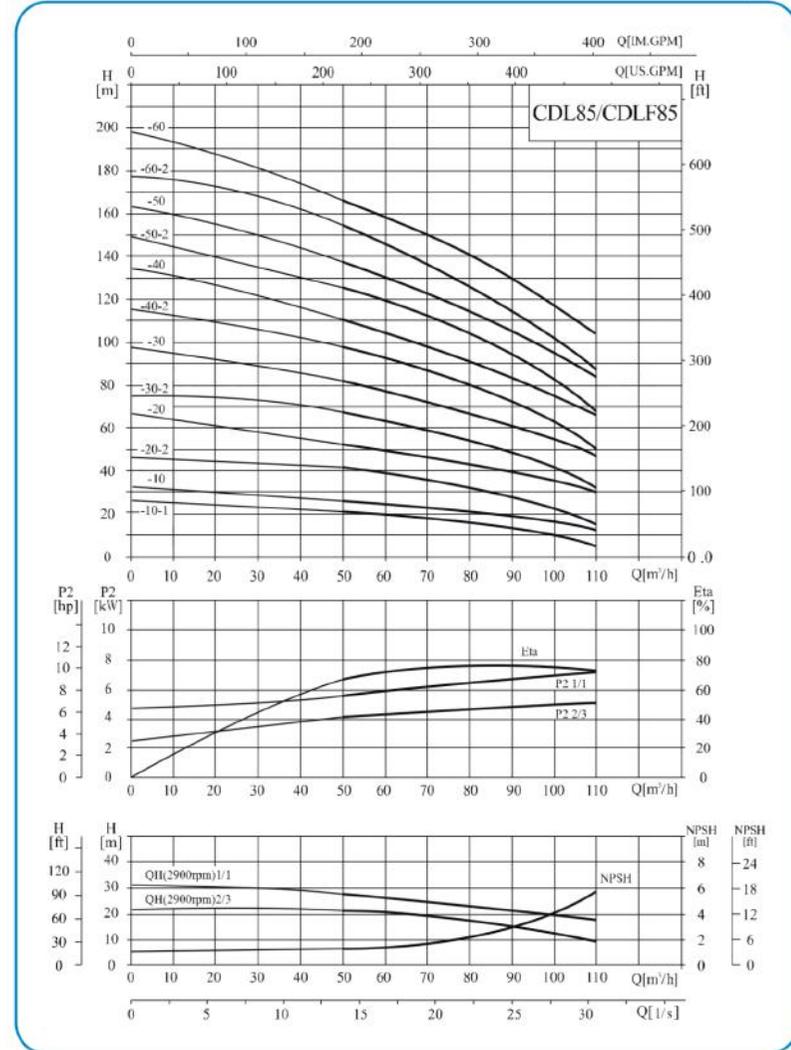
The overall dimensions of explosion-proof motor is a little different, please contact us for details.
The series of CDL65 models can supply PN25-40/DN100 standard flange on your request.

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Technical data

Performance curve

2900rpm

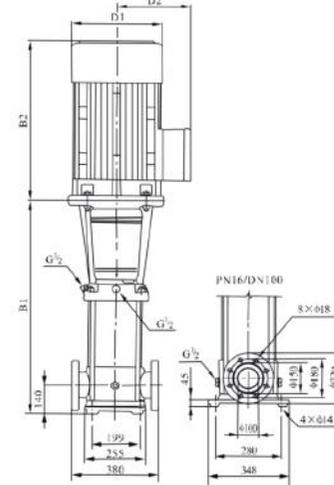


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	50	60	70	80	85	90	100	110
CDL85-10-1	5.5	H (m)	22	19	17	16	14	13	10	6
CDL85-10	7.5		25	24	22	21	20	19	16	12
CDL85-20-2	11		41	39	36	32	30	28	22	15
CDL85-20	15		53	50	47	44	41	40	36	30
CDL85-30-2	18.5		68	65	60	55	52	49	41	32
CDL85-30	22		81	77	72	67	64	62	55	48
CDL85-40-2	30		98	93	87	80	75	72	62	50
CDL85-40	30		110	105	100	92	86	84	76	66
CDL85-50-2	37		126	120	113	104	98	93	81	68
CDL85-50	37		139	131	124	115	110	106	94	83
CDL85-60-2	45		155	148	139	129	122	117	102	86
CDL85-60	45		168	160	150	141	134	130	117	103

Installation instruction



Dimension & Weight

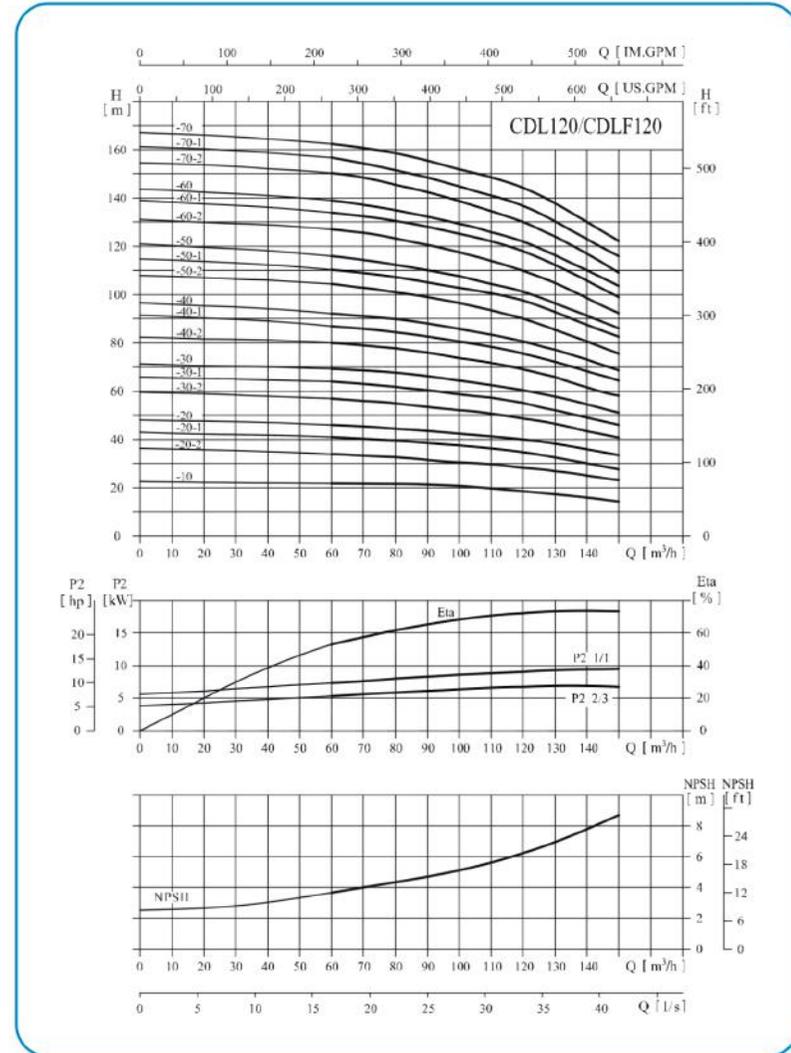
Model	Dimension (mm)				Weight (kg)	
	B1	B2	B1-B2	D1		D2
CDL85-10-1	571	390	961	260	208	109
CDL85-10	571	390	961	260	208	115
CDL85-20-2	773	500	1273	330	255	185
CDL85-20	773	500	1273	330	255	202
CDL85-30-2	865	550	1415	330	255	225
CDL85-30	865	575	1440	360	285	268
CDL85-40-2	957	650	1607	400	310	328
CDL85-40	957	650	1607	400	310	328
CDL85-50-2	1049	650	1699	400	310	351
CDL85-50	1049	650	1699	400	310	351
CDL85-60-2	1141	685	1826	460	340	428
CDL85-60	1141	685	1826	460	340	428

The overall dimensions of explosion-proof motor is a little different, please contact us for details.
The series of CDL85 models can supply PN25-40/DN100 standard flange on your request.

Technical data

Performance curve

2950rpm

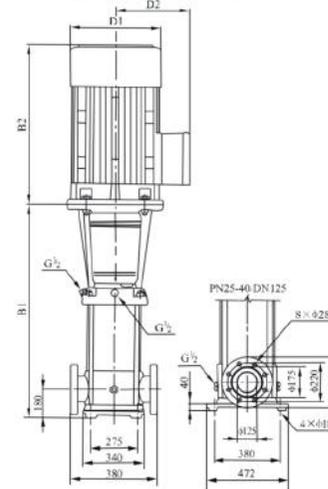


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	H (m)																
			60	70	80	90	100	110	120	130	140	150							
CDL120-10	11		22	21.8	21.6	21	20.5	19.5	18.5	17	16	15							
CDL120-20-2	15		34	33.6	33	31	30.2	30	28.5	27	25	24							
CDL120-20-1	18.5		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5							
CDL120-20	22		46	45	44.5	43.5	42.4	41	40	38	36	33.5							
CDL120-30-2	30		57	56	55	53.5	52	51	49	46.5	43.5	41							
CDL120-30-1	30		64	63	62	60	58.5	57.5	55.5	52	49	46							
CDL120-30	30		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51							
CDL120-40-2	37		80.5	79	78	76	73.5	72	69	66	61.5	58							
CDL120-40-1	37		87	86	84.5	82	80	78	76	72	68	64.5							
CDL120-40	45		92.5	91	90	88	85.5	83	81	77	73	68.5							
CDL120-50-2	45		104.5	103	101	99	96	93	90	85.5	80.5	75.5							
CDL120-50-1	45		110.5	109	107.5	105	102	100	97	92	86.5	83							
CDL120-50	55		115.5	114	113	110	107.5	104.5	101.5	96	91	86							
CDL120-60-2	55		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5							
CDL120-60-1	55		134	132	130.5	127	124	121	118	111	105	100							
CDL120-60	75		139	137	135	132	128.8	126	123	116	110	104							
CDL120-70-2	75		151	148	145.5	143	138.6	134	130	123.5	116.5	109							
CDL120-70-1	75		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5							
CDL120-70	75		162.5	160.5	158.5	155	151	148	145	137	129	123							

Installation instruction



Dimension & Weight

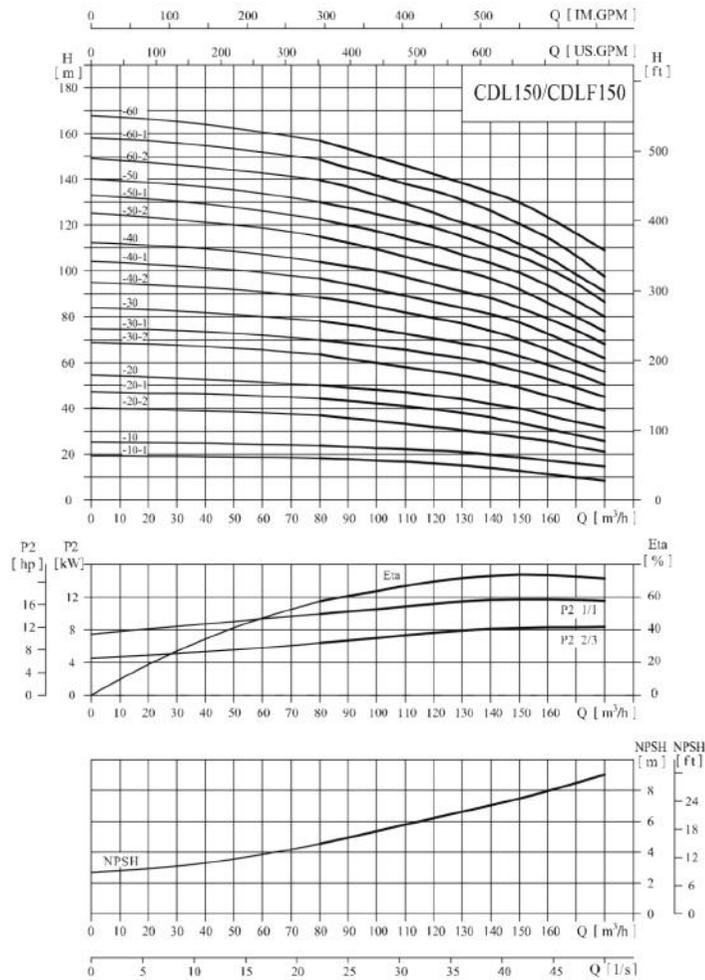
Model	Dimension(mm)					Weight(kg)
	B1	B2	B1+B2	D1	D2	
CDL120-10	840	500	1340	330	255	226
CDL120-20-2	1000	500	1500	330	255	250
CDL120-20-1	1000	550	1550	330	255	263
CDL120-20	1000	575	1575	360	285	310
CDL120-30-2	1160	650	1810	400	310	375
CDL120-30-1	1160	650	1810	400	310	375
CDL120-30	1160	650	1810	400	310	375
CDL120-40-2	1320	650	1970	400	310	405
CDL120-40-1	1320	650	1970	400	310	405
CDL120-40	1320	685	2005	460	340	501
CDL120-50-2	1480	685	2165	460	340	509
CDL120-50-1	1480	685	2165	460	340	509
CDL120-50	1510	760	2270	540	370	632
CDL120-60-2	1670	760	2430	540	370	641
CDL120-60-1	1670	760	2430	540	370	641
CDL120-60	1670	845	2515	580	410	757
CDL120-70-2	1830	845	2675	580	410	766
CDL120-70-1	1830	845	2675	580	410	766
CDL120-70	1830	845	2675	580	410	766

The overall dimensions of explosion-proof motor is a little different, please contact us for details.

Technical data

Performance curve

2950rpm

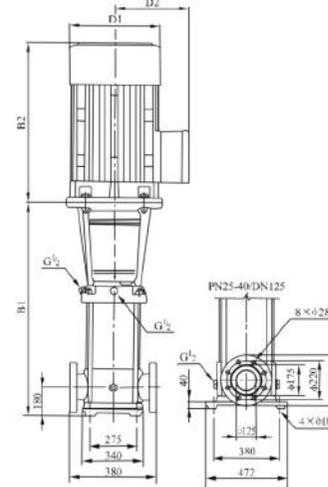


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	80	90	100	110	120	130	140	150	160	170	180
CDL150-10-1	11	H (m)	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
CDL150-10	15		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
CDL150-20-2	18.5		37	35.5	34	33	32	31	29	27.5	26	23	21
CDL150-20-1	22		44.3	43	42	40	39	38.5	37.5	35	33	30	27
CDL150-20	30		50	49	48	47	45.5	44	42	40	37	34	32
CDL150-30-2	30		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
CDL150-30-1	37		70	68	67	65	63	62	60	56	53	49	45
CDL150-30	37		78	76.5	75	73	70.5	68	66	63	59	55	50.5
CDL150-40-2	45		89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
CDL150-40-1	45		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
CDL150-40	55		104	102	100	97	95	91	88	84	79.5	74	68
CDL150-50-2	55		115.5	112	109	106	102.5	100	97	92	86	79	73.5
CDL150-50-1	75		122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
CDL150-50	75		130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5
CDL150-60-2	75		140	137	133	130	126	121	118	112	106	98	91
CDL150-60-1	75		148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5
CDL150-60	75		157	153	149	145	142	139.5	137	130	123.5	116	109

Installation instruction



Dimension & Weight

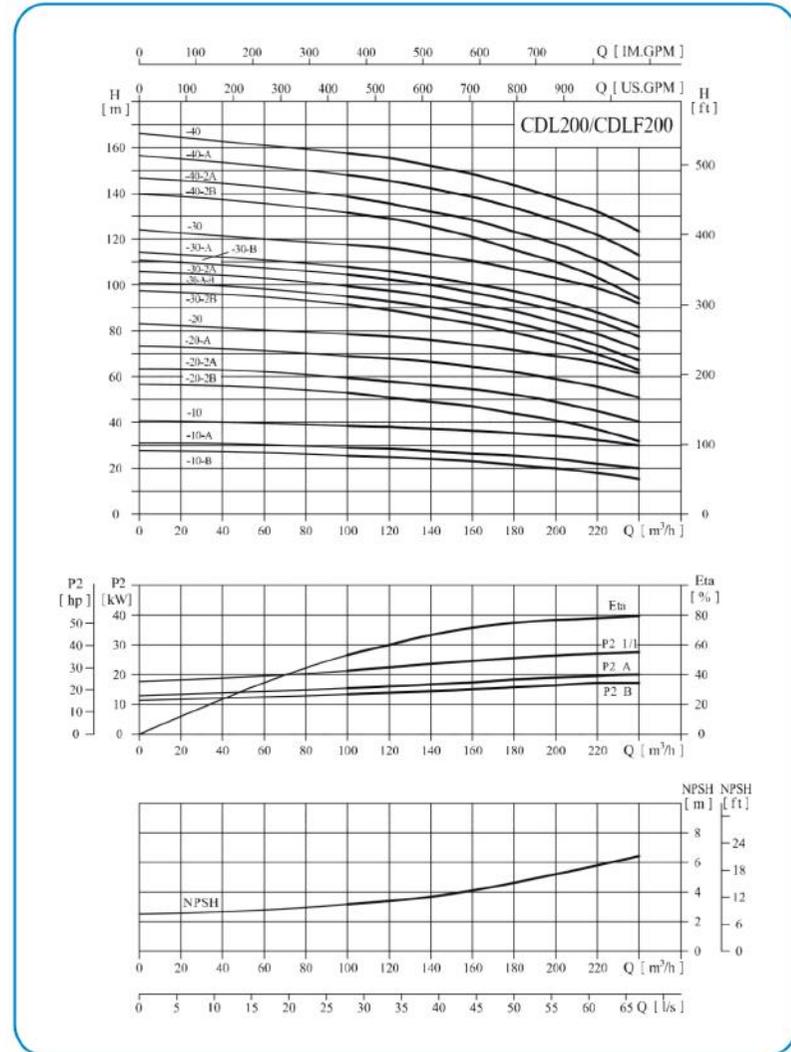
Model	Dimension (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CDL150-10-1	840	500	1340	330	255	227
CDL150-10	840	500	1340	330	255	240
CDL150-20-2	1000	550	1550	330	255	263
CDL150-20-1	1000	575	1575	360	285	311
CDL150-20	1000	650	1650	400	310	364
CDL150-30-2	1160	650	1810	400	310	374
CDL150-30-1	1160	650	1810	400	310	395
CDL150-30	1160	650	1810	400	310	395
CDL150-40-2	1320	685	2005	460	340	502
CDL150-40-1	1320	685	2005	460	340	502
CDL150-40	1350	760	2110	540	370	625
CDL150-50-2	1510	760	2270	540	370	636
CDL150-50-1	1510	845	2355	580	410	752
CDL150-50	1510	845	2355	580	410	752
CDL150-60-2	1670	845	2515	580	410	762
CDL150-60-1	1670	845	2515	580	410	762
CDL150-60	1670	845	2515	580	410	762

The overall dimensions of explosion-proof motor is a little different, please contact us for details.

Technical data

Performance curve

2950rpm



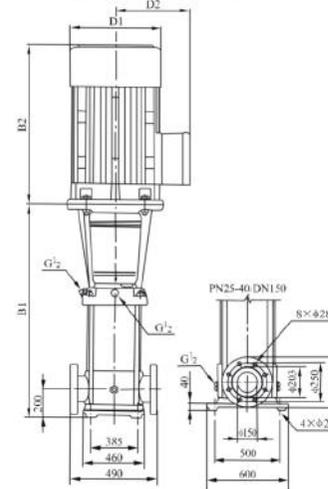
37

Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	H (m)							
			100	120	140	160	180	200	220	240
CDL200-10-B	18.5	25.5	25	24	23	21.5	20	18	15.5	
CDL200-10-A	22	29	28.5	27.5	26.5	25.5	24	22	20	
CDL200-10	30	38.5	38	37.5	36.5	35	34	32.5	30	
CDL200-20-2B	37	53	51	49	47	44	41	37	32	
CDL200-20-2A	45	59.5	58	56	54	52.5	49	44.5	40.5	
CDL200-20-A	55	69	68	66	64	62	59	55.5	51	
CDL200-20	55	78.5	77.5	76	74	71.5	69	66	61.5	
CDL200-30-2B	75	91.5	89	86.5	83.5	79	75	70	63	
CDL200-30-A-B	75	95	93	90	87	83.5	79	73.5	67	
CDL200-30-2A	75	99.5	97.5	94.5	91.5	89	84	78.5	72	
CDL200-30-B	75	104.5	102.5	100	97	93	89	84.5	77.5	
CDL200-30-A	75	108	106	103.5	100.5	97.5	93	88	81.5	
CDL200-30	90	117.5	116	113.5	110.5	107	103	99	92	
CDL200-40-2B	90	131.5	129	125.5	121	115.5	110	103.5	94	
CDL200-40-2A	110	138.5	136	132	128	124	118	111	102.5	
CDL200-40-A	110	148	145.5	142.5	138	134	128	122	113	
CDL200-40	110	157.5	155.5	152.5	148	143.5	138	132.5	123.5	

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	B1	B2	B1-B2	D1	D2	
CDL200-10-B	907	550	1457	330	255	343
CDL200-10-A	907	575	1482	360	285	390
CDL200-10	907	650	1557	400	310	443
CDL200-20-2B	1101	650	1751	400	310	482
CDL200-20-2A	1101	685	1786	460	340	578
CDL200-20-A	1131	760	1891	540	370	710
CDL200-20	1131	760	1891	540	370	710
CDL200-30-2B	1325	845	2170	580	410	845
CDL200-30-A-B	1325	845	2170	580	410	845
CDL200-30-2A	1325	845	2170	580	410	845
CDL200-30-B	1325	845	2170	580	410	845
CDL200-30-A	1325	845	2170	580	410	845
CDL200-30	1325	895	2220	580	410	921
CDL200-40-2B	1519	895	2414	580	410	938
CDL200-40-2A	1519	1140	2659	645	550	1148
CDL200-40-A	1519	1140	2659	645	550	1148
CDL200-40	1519	1140	2659	645	550	1148

The overall dimensions of explosion-proof motor is a little different, please contact us for details.

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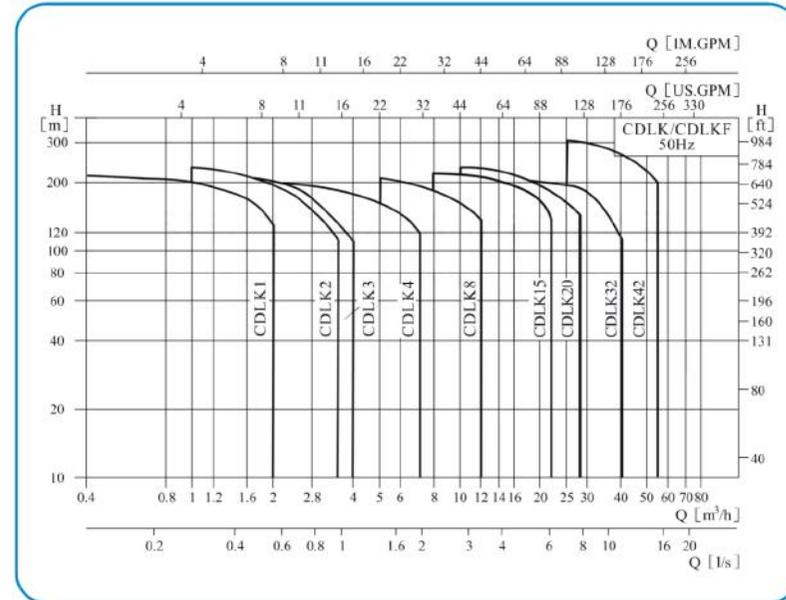
CDLK

Immersion multistage centrifugal pump



General data

Performance data



Product specification

Specification	CDLK1	CDLK2	CDLK3	CDLK4	CDLK8	CDLK15	CDLK20	CDLK32	CDLK42
Rated flow [m³/h]	1	2	3	4	8	15	20	32	42
Rated flow [l/s]	0.28	0.56	0.83	1.1	2.2	4.17	5.6	8.9	11.7
Flow range [m³/h]	0.4-2	1-3.5	1.2-4	1.5-7	5-12	8-22	10-28	16-40	25-55
Flow range [l/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-1.9	1.4-3.3	2.2-6.1	2.8-7.8	4.4-11.1	6.9-15.3
Maximum pressure [bar]	21	23	22	21	21	22	23	26	30
Power of motor [kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.75-7.5	2.2-15	2.2-18.5	1.5-30	3-45
Liquid temperature [°C]	-15 ~ +105								
Peak efficiency [%]	44	46	54	57	62	70	69	73	75
Pipeline connection									
Pipe thread	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 2"	G 2"	G 2"		
DIN flange								DN65	DN80

General data

Electric motor

- Electric motor is fully enclosed & fan cooled 2-pole standard.
- Protection class: Ip55
- Insulation class: F
- Standard Voltage: 50Hz: 1×220-230/240V
3×200/346V
3×220-240/380-415V
3×220-255/380-440V
- Motor of the other voltage can be supplied on request.
- The single-phase motor can be supplied from 0.37~2.2KW.

Pump

CDL/CDLF is a kind of vertical non-self priming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft directly connects with the pump shaft through a coupling. This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out-of-phase and overload.

Performance curve

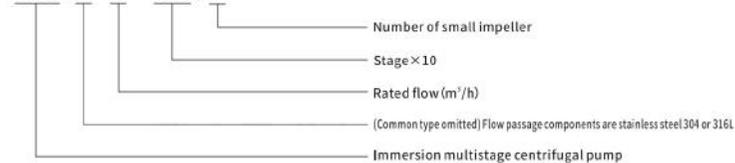
The following instructions apply to shown curves on below.

- All curves are based on the measurements of the electric motor at a constant speed of 2900rpm or 2950rpm.
- The curves tolerance comply with ISO9906:2012, 3B class.
- The test adopts water without air at 20 °C and the kinematic viscosity is 1mm²/s.
- The use of the pump refers to the performance range of the bold curve to prevent overheating caused by too small flow and overload of the motor caused by too heavy flow.

Model implication

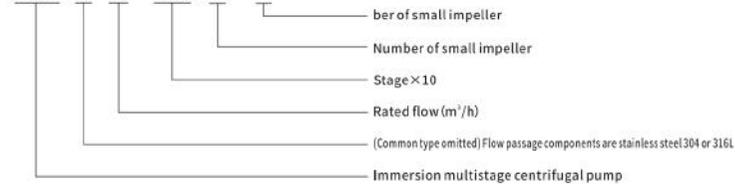
CDLK,CDLKF1,2,3,4,8,15和20

CDLK F 4 - 120 / 12



CDLK,CDLKF32和42

CDLK F 32 - 120 / 12 - 2

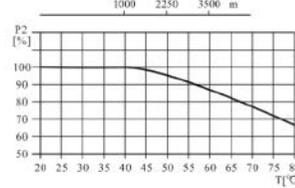


Application

CDLK/CDLKF series are used for conveying machine coolant, lubricating fluid, condensate water, industrial cleaning equipment and other applications suitable for immersion pumps. It is suitable for different temperature, flow and pressure ranges. Specifically used in edm, lathes, grinding machines, machining centers, cooling devices, industrial cleaning equipment, filtration systems and so on.

Maximum ambient temperature

When the pump operates at ambient temperature more than 40 °C or altitude more than 1000m, due to low air density and poor cooling effect, the motor output power P2 will be reduced to a certain extent. When the pump operates under the above conditions, the motor power needs to be increased.



Operating conditions

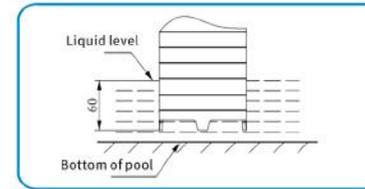
Available for thin, clean, non flammable & non-explosive liquid without solid particles or fibers. It can transport water, cooling water solution and cutting lubricant.
Liquid temperature:
Normal temperature water -15°C~+70°C
Hot water -15°C~+105°C

General data

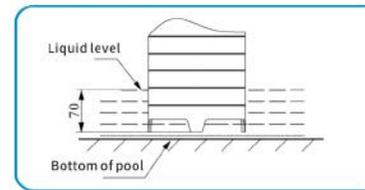
Installation instruction

The dimension shown is Minimum assembling dimension.

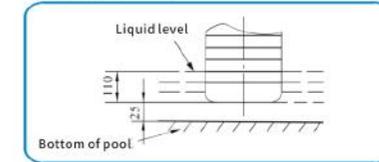
CDLK/CDLKF1,2,3,4



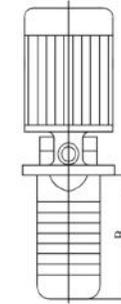
CDLK/CDLKF8,15,20



CDLK/CDLKF32,42



Installation drawing



Available product range

Stage	Number of impeller																																	B (mm)	
	2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25	27	30	33	36													
30	●																																		123
30	○	●																																	141
40	○	○	●																																159
50	○	○	○	●																															177
60	○	○	○	○	●																														195
70	○	○	○	○	○	●																													213
80	○	○	○	○	○	○	●																												231
90	○	○	○	○	○	○	○	●																											249
100	○	○	○	○	○	○	○	○	●																										267
110	○	○	○	○	○	○	○	○	○	●																									285
120	○	○	○	○	○	○	○	○	○	○	●																								303
130	○	○	○	○	○	○	○	○	○	○	○	●																							321
150	○	○	○	○	○	○	○	○	○	○	○	○	●																						357
150	○	○	○	○	○	○	○	○	○	○	○	○	○	●																					393
170	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●																				429
190	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●																			465
210	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●																		501
230	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●																	537
250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●																573
270	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●														627
290	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●												681
300	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●									735	
330	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	881
360	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	935

● Standard type ○ Available on request

Stage	Number of impeller																										B (mm)							
	2	3	4	5	6	7	9	11	13	15	18	22	26																					
20	●																																123	
30	○	●																																141
40	○	○	●																															159
50	○	○	○	●																														177
60	○	○	○	○	●																													195
70	○	○	○	○	○	●																												213
90	○	○	○	○	○	○	●																											249
110	○	○	○	○	○	○	○	●																										285
130	○	○	○	○	○	○	○	○	●																									321
150	○	○	○	○	○	○	○	○	○	●																								357
180	○	○	○	○	○	○	○	○	○	○	●																							411
220	○	○	○	○	○	○	○	○	○	○	○	●																						483
260	○	○	○	○	○	○	○	○	○	○	○	○	●																					555

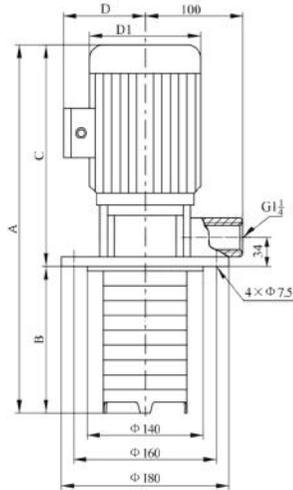
E.g.: Model

Technical data

Data sheet

Model	Motor (kW)	Q (m ³ /h)	H (m)								
			0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
CDLK1-20/2	0.37	13	12.5	12	11.5	11	10.5	10	9.5	9	
CDLK1-30/3	0.37	19	18	17.5	17	16.5	16	15	14	12	
CDLK1-40/4	0.37	24	23.5	23	22.5	21.5	21	19	18	16	
CDLK1-50/5	0.37	30	29.6	29	28	27	26	24	22	20	
CDLK1-60/6	0.37	36	35.5	35	33.5	33	31	28	26	23	
CDLK1-70/7	0.37	42	41	40.5	39	38	36	33	30	27	
CDLK1-80/8	0.55	48	47	46	45	43	41	38	34	30	
CDLK1-90/9	0.55	54	53	52	51	49	46	43	39	33	
CDLK1-100/10	0.55	60	59	58	57	54	51	48	43	36	
CDLK1-110/11	0.55	66	65	63	61	59	56	52	47	40	
CDLK1-120/12	0.75	72	71	69	67	64	61	57	51	44	
CDLK1-130/13	0.75	78	77	75	73	69	66	62	55	47	
CDLK1-150/15	0.75	89	88	86	84	79	76	71	63	55	
CDLK1-170/17	1.1	101	99	97	95	89	86	80	71	62	
CDLK1-190/19	1.1	113	110	108	106	99	96	89	79	69	
CDLK1-210/21	1.1	124	122	120	117	110	106	98	87	75	
CDLK1-230/23	1.1	137	133	131	128	121	116	107	96	82	
CDLK1-250/25	1.5	149	145	143	139	131	126	116	104	89	
CDLK1-270/27	1.5	161	157	155	150	141	136	125	112	95	
CDLK1-300/30	1.5	178	175	171	166	157	150	139	124	106	
CDLK1-330/33	2.2	196	192	188	183	173	165	154	137	118	
CDLK1-360/36	2.2	214	210	205	200	190	181	169	151	130	

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	A	B	C	D	D1	
CDLK1-20/2	453	123	330	117	148	15
CDLK1-30/3	471	141	330	117	148	15
CDLK1-40/4	489	159	330	117	148	16
CDLK1-50/5	507	177	330	117	148	16
CDLK1-60/6	525	195	330	117	148	17
CDLK1-70/7	543	213	330	117	148	17
CDLK1-80/8	561	231	330	117	148	18
CDLK1-90/9	579	249	330	117	148	18
CDLK1-100/10	597	267	330	117	148	19
CDLK1-110/11	615	285	330	117	148	19
CDLK1-120/12	661	303	358	142	170	20
CDLK1-130/13	679	321	358	142	170	20
CDLK1-150/15	715	357	358	142	170	21
CDLK1-170/17	751	393	358	142	170	24
CDLK1-190/19	787	429	358	142	170	25
CDLK1-210/21	823	465	358	142	170	25
CDLK1-230/23	859	501	358	142	170	26
CDLK1-250/25	950	537	413	155	190	29
CDLK1-270/27	986	573	413	155	190	30
CDLK1-300/30	1040	627	413	155	190	31
CDLK1-330/33	1094	681	413	155	190	34
CDLK1-360/36	1148	735	413	155	190	35

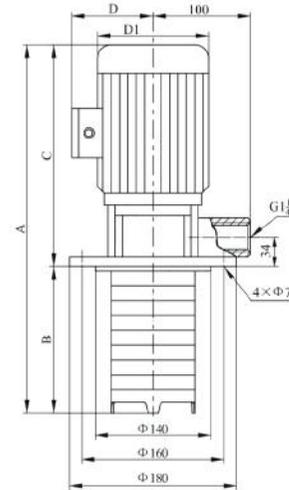
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Data sheet

Model	Motor (kW)	Q (m ³ /h)	H (m)						
			1.0	1.2	1.6	2.0	2.4	2.8	3.2
CDLK2-20/2	0.37	18	17	16	15	13	12	10	8
CDLK2-30/3	0.37	27	26	24	22	20	18	15	12
CDLK2-40/4	0.55	36	35	33	30	26	24	20	16
CDLK2-50/5	0.55	45	43	40	37	33	30	24	20
CDLK2-60/6	0.75	53	52	50	45	40	36	30	24
CDLK2-70/7	0.75	63	61	57	52	47	41	35	28
CDLK2-90/9	1.1	80	78	73	67	61	54	45	37
CDLK2-110/11	1.1	98	95	89	82	73	64	54	44
CDLK2-130/13	1.5	116	114	106	98	89	78	65	52
CDLK2-150/15	1.5	134	130	123	112	100	90	73	60
CDLK2-180/18	2.2	161	157	148	136	121	108	91	76
CDLK2-220/22	2.2	197	192	180	165	148	130	110	90
CDLK2-260/26	3.0	232	228	214	198	179	158	130	110

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	A	B	C	D	D1	
CDLK2-20/2	453	123	330	117	148	15
CDLK2-30/3	471	141	330	117	148	15
CDLK2-40/4	489	159	330	117	148	16
CDLK2-50/5	507	177	330	117	148	17
CDLK2-60/6	553	195	358	142	170	19
CDLK2-70/7	571	213	358	142	170	19
CDLK2-90/9	607	249	358	142	170	22
CDLK2-110/11	643	285	358	142	170	24
CDLK2-130/13	734	321	413	155	190	26
CDLK2-150/15	770	357	413	155	190	28
CDLK2-180/18	824	411	413	155	190	32
CDLK2-220/22	896	483	413	155	190	36
CDLK2-260/26	1033	555	478	165	197	41

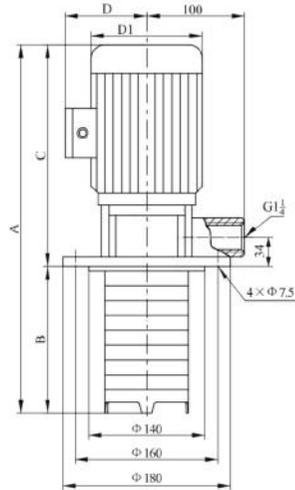
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Data sheet

Model	Motor (kW)	Q (m ³ /h)	H (m)									
			1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0	
CDLK3-20/2	0.37		12.5	11.5	11	10.5	10	9	8	7	6	
CDLK3-30/3	0.37		19	18.5	17.5	16.5	15	14	13	11	9	
CDLK3-40/4	0.37		25	24	23	21.5	20	19	18	15	12	
CDLK3-50/5	0.37		31	30	29	27	25	23	22	19	16	
CDLK3-60/6	0.55		36	35	34	32	30	28	27	23	19	
CDLK3-70/7	0.55		43	41	39	37	34	32	31	27	22	
CDLK3-80/8	0.75		49	47	45	43	39	37	35	31	25	
CDLK3-90/9	0.75		55	53	51	48	45	42	40	35	28	
CDLK3-100/10	0.75		61	59	57	54	50	47	45	39	31	
CDLK3-110/11	1.1		67	64	61	58	54	51	49	42	34	
CDLK3-120/12	1.1		73	70	67	63	58	55	52	45	37	
CDLK3-130/13	1.1		78	76	73	69	64	60	57	49	40	
CDLK3-150/15	1.1		90	88	84	79	73	69	66	57	46	
CDLK3-170/17	1.5		103	100	96	90	83	79	75	64	52	
CDLK3-190/19	1.5		115	112	107	100	92	88	83	72	58	
CDLK3-210/21	2.2		128	124	119	112	102	98	91	79	64	
CDLK3-230/23	2.2		140	135	130	122	112	107	100	86	70	
CDLK3-250/25	2.2		151	147	141	131	122	116	109	94	76	
CDLK3-270/27	2.2		164	159	152	143	132	124	117	101	82	
CDLK3-290/29	2.2		175	170	163	153	142	133	126	109	88	
CDLK3-310/31	3.0		187	182	175	165	153	142	135	116	94	
CDLK3-330/33	3.0		199	194	187	176	163	151	145	125	100	
CDLK3-360/36	3.0		218	212	204	192	178	168	159	137	109	

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	A	B	C	D	D1	
CDLK3-20/2	453	123	330	117	148	15
CDLK3-30/3	471	141	330	117	148	15
CDLK3-40/4	489	159	330	117	148	16
CDLK3-50/5	507	177	330	117	148	16
CDLK3-60/6	525	195	330	117	148	18
CDLK3-70/7	543	213	330	117	148	18
CDLK3-80/8	589	231	358	142	170	20
CDLK3-90/9	607	249	358	142	170	20
CDLK3-100/10	625	267	358	142	170	21
CDLK3-110/11	643	285	358	142	170	23
CDLK3-120/12	661	303	358	142	170	23
CDLK3-130/13	679	321	358	142	170	24
CDLK3-150/15	715	357	358	142	170	25
CDLK3-170/17	806	393	413	155	190	27
CDLK3-190/19	842	429	413	155	190	29
CDLK3-210/21	878	465	413	155	190	32
CDLK3-230/23	914	501	413	155	190	34
CDLK3-250/25	950	537	413	155	190	36
CDLK3-270/27	986	573	413	155	190	38
CDLK3-290/29	1022	609	413	155	190	40
CDLK3-310/31	1123	645	478	165	197	44
CDLK3-330/33	1159	681	478	165	197	46
CDLK3-360/36	1213	735	478	165	197	49

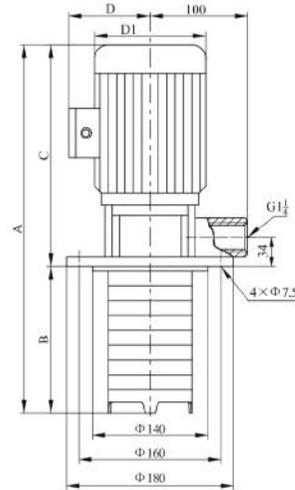
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Data sheet

Model	Motor (kW)	Q (m ³ /h)	H (m)						
			1.5	2.0	3.0	4.0	5.0	6.0	7.0
CDLK4-20/2	0.37		19	18	17	15	13	12	8
CDLK4-30/3	0.55		28	27	26	24	20	18	13
CDLK4-40/4	0.75		38	36	34	32	27	24	19
CDLK4-50/5	1.1		47	45	43	40	34	31	23
CDLK4-60/6	1.1		56	54	52	48	41	37	28
CDLK4-70/7	1.5		66	63	61	56	48	43	33
CDLK4-80/8	1.5		74	72	70	64	55	50	38
CDLK4-100/10	2.2		96	90	87	81	71	62	48
CDLK4-120/12	2.2		114	108	104	95	85	75	58
CDLK4-140/14	3.0		136	126	122	112	101	89	68
CDLK4-160/16	3.0		152	144	140	129	115	101	78
CDLK4-190/19	4.0		183	171	168	153	137	122	93
CDLK4-220/22	4.0		211	200	192	178	160	138	108

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	A	B	C	D	D1	
CDLK4-20/2	480	150	330	117	148	16
CDLK4-30/3	507	177	330	117	148	18
CDLK4-40/4	562	204	358	142	170	20
CDLK4-50/5	589	231	358	142	170	22
CDLK4-60/6	616	258	358	142	170	23
CDLK4-70/7	698	285	413	155	190	25
CDLK4-80/8	725	312	413	155	190	26
CDLK4-100/10	779	366	413	155	190	32
CDLK4-120/12	833	420	413	155	190	34
CDLK4-140/14	952	474	478	165	197	38
CDLK4-160/16	1006	528	478	165	197	40
CDLK4-190/19	1097	609	488	185	230	46
CDLK4-220/22	1178	690	488	185	230	49

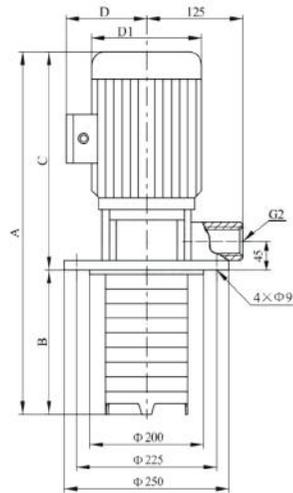
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Data sheet

Model	Motor (kW)	Q (m ³ /h)	5	6	7	8	9	10	11	12
CDLK8-20/2	0.75	H (m)	20	19.5	19	18	17	16	14	13
CDLK8-30/3	1.1		30	29.5	28.5	27	25	24	21	19
CDLK8-40/4	1.5		41	39.5	38	36	34	32	28	26
CDLK8-50/5	2.2		52	50	48	45	42	40	36	32
CDLK8-60/6	2.2		62	60	57	54	51	48	43	39
CDLK8-80/8	3.0		83	80	77	73	69	65	58	52
CDLK8-100/10	4.0		104	100	97	92	87	81	73	65
CDLK8-120/12	4.0		124	120	116	111	104	92	87	78
CDLK8-140/14	5.5		145	141	136	130	122	113	102	92
CDLK8-160/16	5.5		166	161	156	148	139	130	118	106
CDLK8-180/18	7.5		187	182	175	167	157	146	134	120
CDLK8-200/20	7.5		208	202	195	186	175	163	150	135

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	A	B	C	D	D1	
CDLK8-20/2	507	141	366	142	170	25
CDLK8-30/3	537	171	366	142	170	27
CDLK8-40/4	620	201	419	155	190	31
CDLK8-50/5	650	231	419	155	190	35
CDLK8-60/6	680	261	419	155	190	36
CDLK8-80/8	805	321	484	165	197	42
CDLK8-100/10	875	381	494	185	230	50
CDLK8-120/12	935	441	494	185	230	54
CDLK8-140/14	1050	501	549	210	260	64
CDLK8-160/16	1110	561	549	210	260	66
CDLK8-180/18	1170	621	549	210	260	79
CDLK8-200/20	1230	681	549	210	260	81

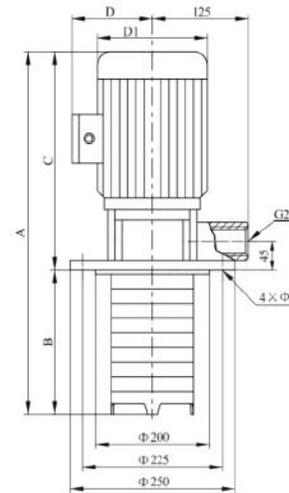
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Data sheet

Model	Motor (kW)	Q (m ³ /h)	8	10	12	14	15	16	18	20	22
CDLK15-20/2	2.2	H (m)	25	24.5	24	23	22.5	21.5	20	18	16
CDLK15-30/3	3		39	38	37	35	34	33	30	28	25
CDLK15-40/4	4		52	51	49	46	45	44	40	37	33
CDLK15-50/5	4		65	63	61	59	57	55	51	47	42
CDLK15-60/6	5.5		78	76	74	71	69	67	62	57	51
CDLK15-70/7	5.5		92	90	87	83	81	79	73	67	60
CDLK15-80/8	7.5		106	103	100	96	93	90	84	77	69
CDLK15-90/9	7.5		120	117	114	109	106	103	95	87	79
CDLK15-100/10	11		133	130	126	121	118	114	106	97	88
CDLK15-120/12	11		160	157	152	146	142	138	128	117	106
CDLK15-140/14	11		187	182	177	169	165	160	149	137	124
CDLK15-170/17	15		227	222	215	206	201	195	182	167	151

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	A	B	C	D	D1	
CDLK15-20/2	590	171	419	155	190	37
CDLK15-30/3	700	216	484	165	197	47
CDLK15-40/4	755	261	494	185	230	52
CDLK15-50/5	800	306	494	185	230	67
CDLK15-60/6	900	351	549	210	260	72
CDLK15-70/7	945	396	549	210	260	77
CDLK15-80/8	990	441	549	210	260	78
CDLK15-90/9	1035	486	549	210	260	79
CDLK15-100/10	1231	531	700	255	330	135
CDLK15-120/12	1321	621	700	255	330	140
CDLK15-140/14	1411	711	700	255	330	145
CDLK15-170/17	1546	846	700	255	330	164

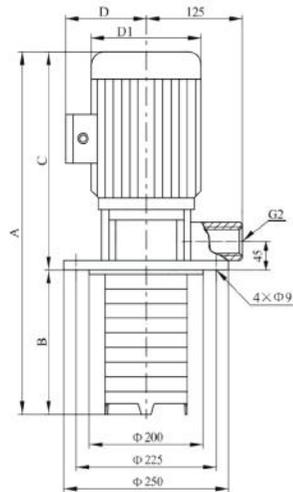
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

Technical data

Data sheet

Model	Motor (kW)	Q (m ³ /h)	H (m)										
			10	12	14	16	18	20	22	24	26	28	
CDLK20-20/2	2.2	H (m)	27	26.5	26	25	24	23	22	20	18	15	
CDLK20-30/3	4.0		40	39.5	39	38	37	35	33	30	27	24	
CDLK20-40/4	5.5		54	53	52	51	49	47	44	41	37	33	
CDLK20-50/5	5.5		67	66	64	62	60	58	55	50	45	40	
CDLK20-60/6	7.5		81	79	77	75	73	70	66	61	55	49	
CDLK20-70/7	7.5		95	93	91	89	86	82	77	71	65	58	
CDLK20-80/8	11		109	107	105	102	99	94	89	82	75	67	
CDLK20-100/10	11		136	134	131	128	124	118	111	103	95	85	
CDLK20-120/12	15		164	162	158	154	149	142	133	124	114	102	
CDLK20-140/14	15		192	189	185	180	174	166	156	145	133	119	
CDLK20-170/17	18.5		234	230	225	219	212	202	190	177	162	145	

Installation instruction



Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	A	B	C	D	D1	
CDLK20-20/2	590	171	419	155	190	35
CDLK20-30/3	710	216	494	185	230	50
CDLK20-40/4	810	261	549	210	260	65
CDLK20-50/5	855	306	549	210	260	67
CDLK20-60/6	900	351	549	210	260	74
CDLK20-70/7	945	396	549	210	260	76
CDLK20-80/8	1141	441	700	255	330	130
CDLK20-100/10	1231	531	700	255	330	135
CDLK20-120/12	1321	621	700	255	330	150
CDLK20-140/14	1411	711	700	255	330	155
CDLK20-170/17	1596	846	750	255	330	180

The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

CM

Horizontal multistage centrifugal pump



General data

Product description

CM series are non-self priming light horizontal multistage centrifugal pump, equipped with extended shaft motor. The compact structure makes pump in small size with axial inlet and radial outlet. Most components of the product adopt stamping process, with features of energy saving, low noise, environmental protection, beautiful appearance, light weight, easy installation and maintenance, high reliability and so on.

Electric motor

Electric motor is fully enclosed & fan cooled 2-pole standard.
Protection class:IP55
Insulation class:F
Voltage:50HZ:1×220V
3×220/380V

Operating conditions

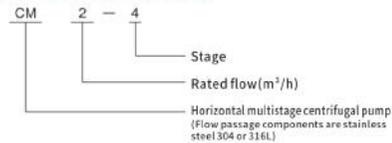
Available for thin, clean, non flammable & non-explosive liquid without solid particles or fibers, and liquid in physical and chemical properties similar to water.

Liquid temperature: Normal temperature water -15°C~+70°C
Hot water -15°C~120°C

Cabinet temperature: Maximum +40°C
Maximum operating pressure: 10bar

The maximum inlet pressure is limited by the maximum working pressure

Model implication



Application

Air conditioning system
Cooling system
Industrial cleaning
Water treatment (water purification)
Aquaculture
Fertilization/measurement statistics
Environmental application
Other specific purpose

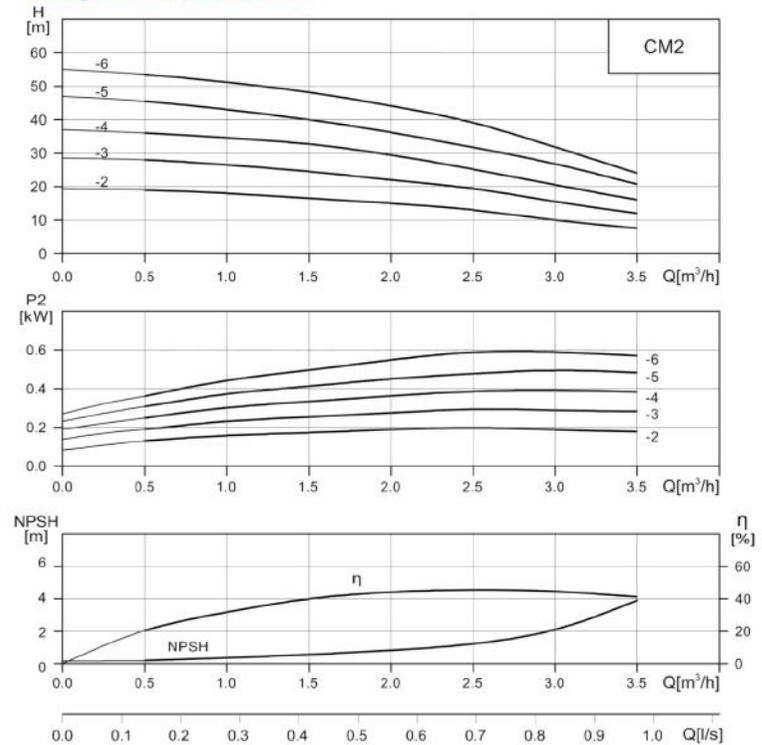
Performance curve

The following instructions apply to shown curves on below.

- All curves are based on the measurements of the electric motor at a constant speed of 2900rpm.
- The curves tolerance comply with ISO9906:2012, 3B class.
- The test adopts water without air at 20 °C and the kinematic viscosity is 1mm²/s.
- The use of the pump refers to the performance range of the bold curve to prevent overheating caused by too small flow and overload of the motor caused by too heavy flow.

Shoufei Pump

CM2 performance curve

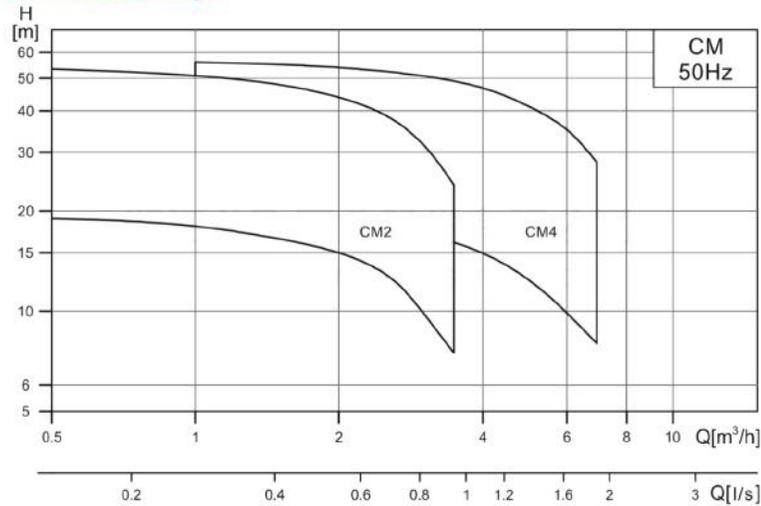


CM2 Data sheet

Model	Motor (kW)	Q(m ³ /h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
CM2-2	0.37	H(m)	19	18	16.5	15	13	10	7.5
CM2-3	0.37		28	26.5	24.5	22	19	15.5	12
CM2-4	0.55		36	34.5	33	29	25	20.5	16
CM2-5	0.55		45.5	43	40	36	31.5	26.5	20.5
CM2-6	0.75		53.5	51	48	44	39	32	24

Technical data

Performance range

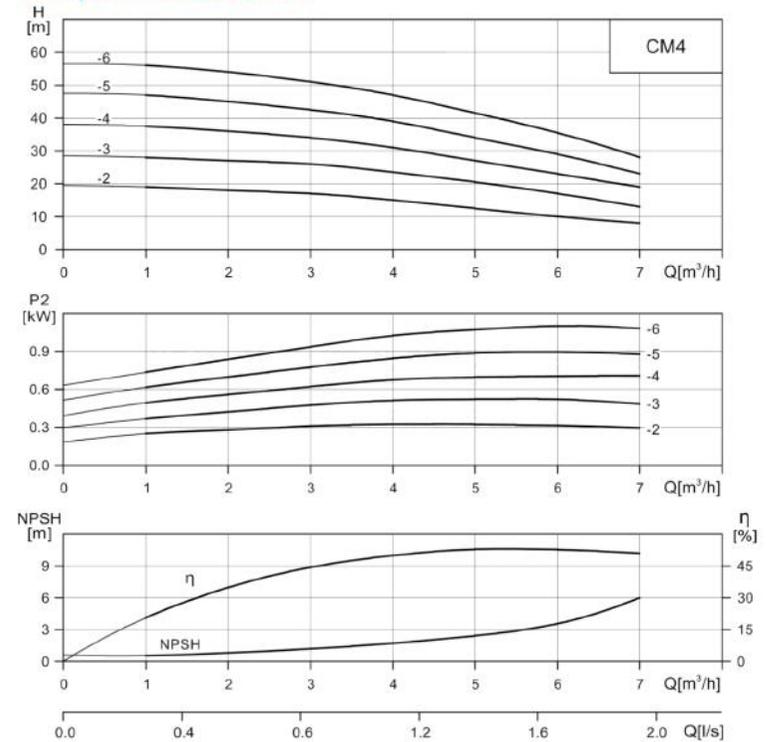


Product specification

Data	Model	CM	
Rated flow[m³/h]		2	4
Rated flow[l/s]		0.56	1.1
Flow range[m³/h]		0.5~3.5	1~7
Flow range[l/s]		0.14~0.97	0.28~1.9
Maximum pressure[bar]		5.3	5.6
Power of motor[kW]		0.37~0.75	0.37~1.1
Liquid Temperature[°C]		-15~+105	
Peak efficiency[%]		46	54
Pipeline connection		G1	Inlet G1½ /Outlet G1

Technical data

CM4 performance curve

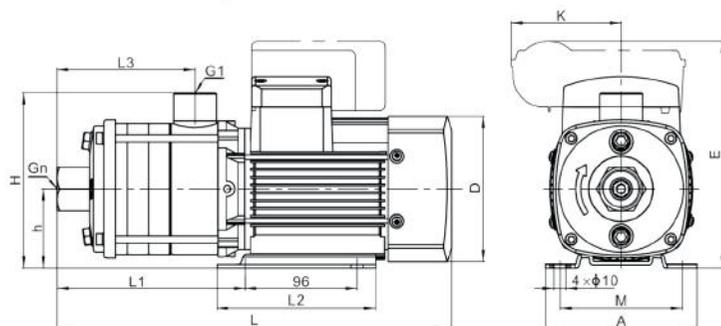


CM4 Data sheet

Model	Motor (kW)	Q(m³/h)	1	2	3	4	5	6	7
CM4-2	0.37	H(m)	19	18	17	15	12.5	10	8
CM4-3	0.55		28	27	26	23.5	20.5	17	13
CM4-4	0.75		37.5	36	34	31	27	23	19
CM4-5	1.1		47	45	42.5	39	34	29	23
CM4-6	1.1		56	54	51	47	41.5	35.5	28

Technical data

Installation drawing



CM2 Dimension & Weight

Motor	Model	L	L1	L2	L3	h	H	E	D	M	A	n	K	Weight(kg)
Three-phase/ single-phase	CM2-2	309	126	136	83	67	149	162/197	121	105	130	1	/53	7
	CM2-3	327	144	136	101	67	149	162/197	121	105	130	1	/53	7
	CM2-4	350	156	150	120	75	157	180/218	141	125	157	1	/62	9
	CM2-5	368	174	150	138	75	157	180/218	141	125	157	1	/62	9.5
	CM2-6	386	192	150	156	75	157	180/218	141	125	157	1	/62	10

CM4 Dimension & Weight

Motor	Model	L	L1	L2	L3	h	H	E	D	M	A	n	K	Weight(kg)
Three-phase/ single-phase	CM4-2	318	135	136	92	67	149	162/197	121	105	130	1½	/53	7
	CM4-3	349	155	150	119	75	157	180/218	141	125	158	1½	/62	9
	CM4-4	376	182	150	146	75	157	180/218	141	125	158	1½	/62	10
	CM4-5	424/445	210	160	174	85	167	195/235	151/161	125	158	1½	/92	13
	CM4-6	451/472	237	160	201	85	167	195/235	151/161	125	158	1½	/92	13

CDLF+CDH

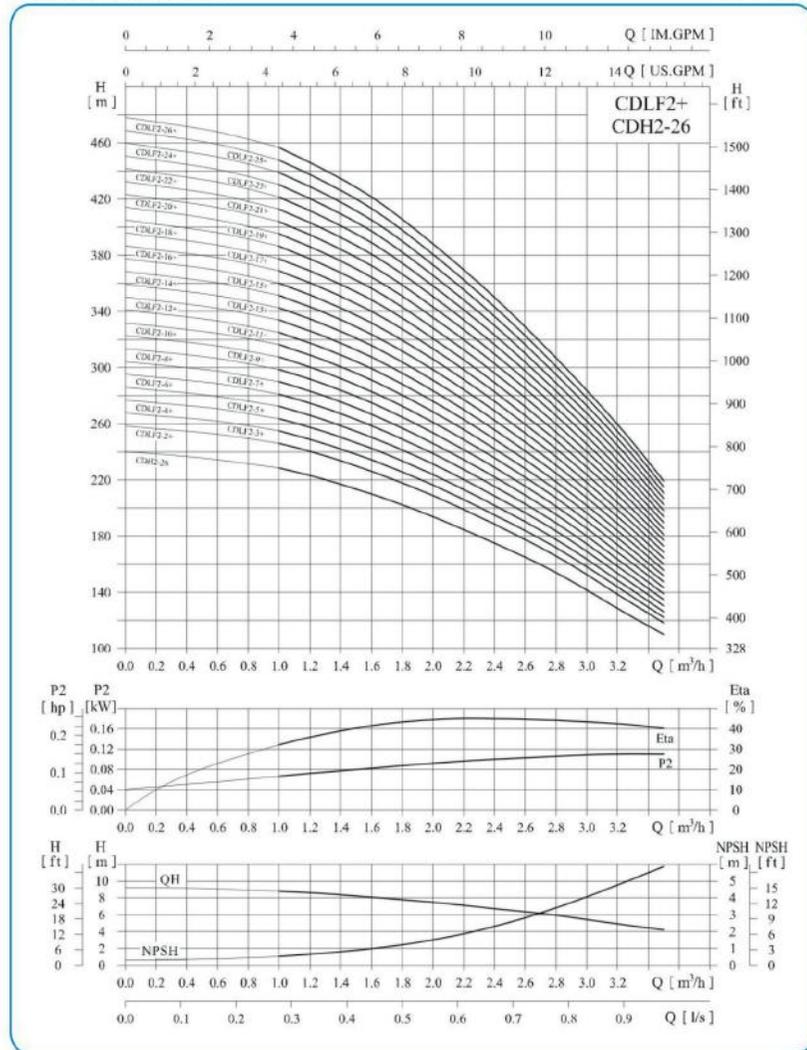
High pressure pump



Technical data

Performance curve

2900rpm

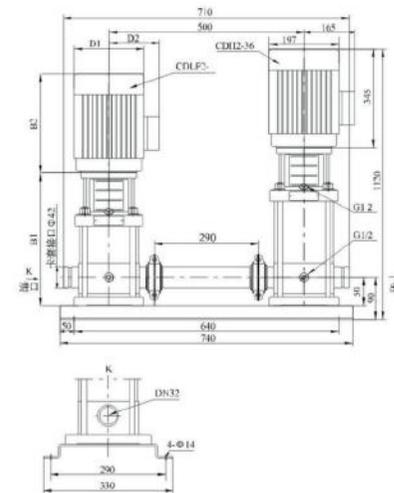


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5
CDLF2-2+CDH2-26	0.37+3.0	H (m)	245	238	224	207	186	163	136	116
CDLF2-3+CDH2-26	0.37+3.0		254	247	232	214	193	169	141	120
CDLF2-4+CDH2-26	0.55+3.0		263	256	241	222	199	175	146	124
CDLF2-5+CDH2-26	0.55+3.0		272	264	248	229	206	181	150	128
CDLF2-6+CDH2-26	0.75+3.0		280	273	258	237	213	187	156	132
CDLF2-7+CDH2-26	0.75+3.0		290	282	265	244	220	192	161	136
CDLF2-9+CDH2-26	1.1+3.0		307	299	281	259	234	205	171	145
CDLF2-11+CDH2-26	1.1+3.0		325	316	297	274	246	215	180	152
CDLF2-13+CDH2-26	1.5+3.0		343	335	314	290	262	229	191	160
CDLF2-15+CDH2-26	1.5+3.0		361	351	331	304	273	241	199	168
CDLF2-18+CDH2-26	2.2+3.0		388	378	356	328	294	259	217	184
CDLF2-22+CDH2-26	2.2+3.0		424	413	388	357	321	281	236	198
CDLF2-26+CDH2-26	3.0+3.0		459	449	422	390	352	309	256	218

Installation instruction



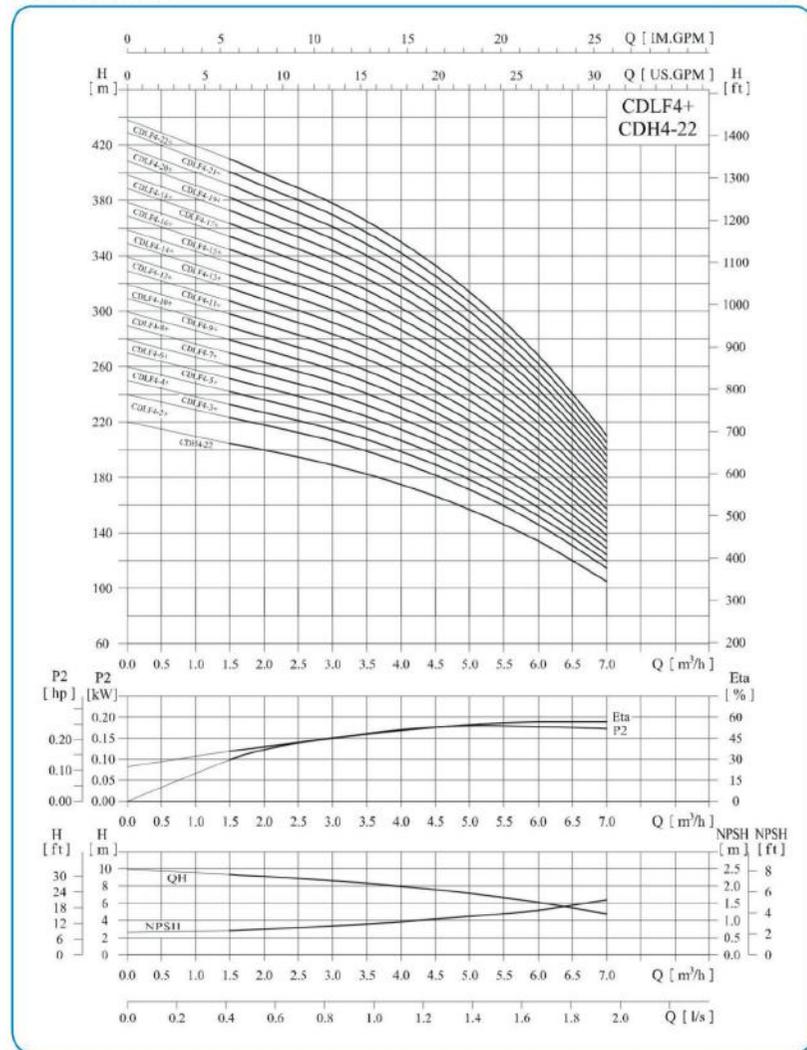
Dimension & Weight

Model	Dimension(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CDLF2-2+CDH2-26	233	225	458	148	117	86
CDLF2-3+CDH2-26	251	225	476	148	117	86
CDLF2-4+CDH2-26	269	225	494	148	117	86
CDLF2-5+CDH2-26	287	225	512	148	117	86
CDLF2-6+CDH2-26	315	245	560	170	142	91
CDLF2-7+CDH2-26	333	245	578	170	142	91
CDLF2-9+CDH2-26	369	245	614	170	142	96
CDLF2-11+CDH2-26	405	245	650	170	142	96
CDLF2-13+CDH2-26	451	290	741	190	155	101
CDLF2-15+CDH2-26	487	290	777	190	155	101
CDLF2-18+CDH2-26	541	290	831	190	155	106
CDLF2-22+CDH2-26	613	290	903	190	155	111
CDLF2-26+CDH2-26	695	345	1040	197	165	116

Technical data

Performance curve

2900rpm

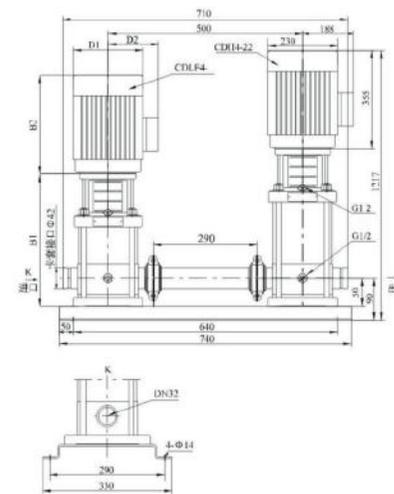


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
CDLF4-2+CDH4-22	0.37+4.0	H (m)	221	215	205	190	170	144	111
CDLF4-3+CDH4-22	0.55+4.0		230	224	214	199	177	152	116
CDLF4-4+CDH4-22	0.75+4.0		240	233	222	207	184	158	122
CDLF4-5+CDH4-22	1.1+4.0		249	242	231	215	191	165	126
CDLF4-6+CDH4-22	1.1+4.0		258	251	240	223	198	171	131
CDLF4-7+CDH4-22	1.5+4.0		268	260	249	231	205	177	136
CDLF4-8+CDH4-22	1.5+4.0		276	269	258	239	212	184	141
CDLF4-10+CDH4-22	2.2+4.0		298	287	275	256	228	196	151
CDLF4-12+CDH4-22	2.2+4.0		316	305	292	270	242	209	161
CDLF4-14+CDH4-22	3.0+4.0		338	323	310	287	258	223	171
CDLF4-16+CDH4-22	3.0+4.0		354	341	328	304	272	235	181
CDLF4-19+CDH4-22	4.0+4.0		385	368	356	328	294	256	196
CDLF4-22+CDH4-22	4.0+4.0		413	397	380	353	317	272	211

Installation instruction



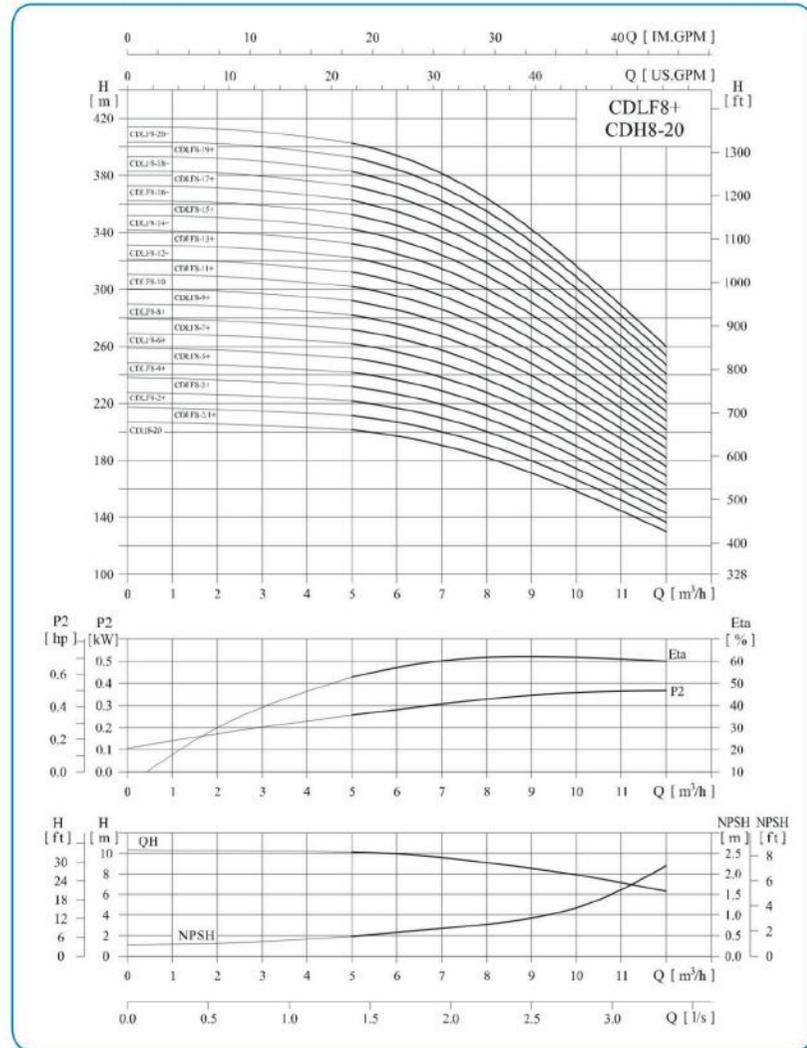
Dimension & Weight

Model	Dimension(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CDLF4-2+CDH4-22	251	225	476	148	117	86
CDLF4-3+CDH4-22	278	225	503	148	117	86
CDLF4-4+CDH4-22	315	245	560	170	142	86
CDLF4-5+CDH4-22	342	245	587	170	142	91
CDLF4-6+CDH4-22	369	245	614	170	142	91
CDLF4-7+CDH4-22	406	290	696	190	155	96
CDLF4-8+CDH4-22	433	290	723	190	155	96
CDLF4-10+CDH4-22	487	290	777	190	155	96
CDLF4-12+CDH4-22	541	290	831	190	155	101
CDLF4-14+CDH4-22	605	345	950	197	165	101
CDLF4-16+CDH4-22	659	345	1004	197	165	106
CDLF4-19+CDH4-22	740	345	1085	230	188	111
CDLF4-22+CDH4-22	821	355	1176	230	188	116

Technical data

Performance curve

2900rpm

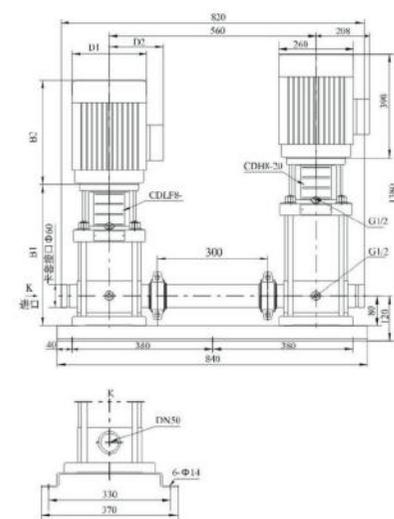


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	5	6	7	8	9	10	11	12
CDLF8-2/1+CDH8-20	0.75+7.5	H (m)	211	204.5	197.3	189	177.5	164	149	134
CDLF8-2+CDH8-20	0.75+7.5		221	214.5	207	198	186	172	156	141
CDLF8-3+CDH8-20	1.1+7.5		231	224.5	216.5	207	194	180	163	147
CDLF8-4+CDH8-20	1.5+7.5		242	234.5	226	216	203	188	170	154
CDLF8-5+CDH8-20	2.2+7.5		253	245	236	225	211	196	178	160
CDLF8-6+CDH8-20	2.2+7.5		263	255	245	234	220	204	185	167
CDLF8-8+CDH8-20	3.0+7.5		284	275	265	253	238	221	200	180
CDLF8-10+CDH8-20	4.0+7.5		305	295	285	272	256	237	215	193
CDLF8-12+CDH8-20	4.0+7.5		325	315	304	291	273	248	229	206
CDLF8-14+CDH8-20	5.5+7.5		346	336	324	310	291	269	244	220
CDLF8-16+CDH8-20	5.5+7.5		367	356	344	328	308	286	260	234
CDLF8-18+CDH8-20	7.5+7.5		388	377	363	347	326	302	276	248
CDLF8-20+CDH8-20	7.5+7.5	409	397	383	366	344	319	292	263	

Installation instruction



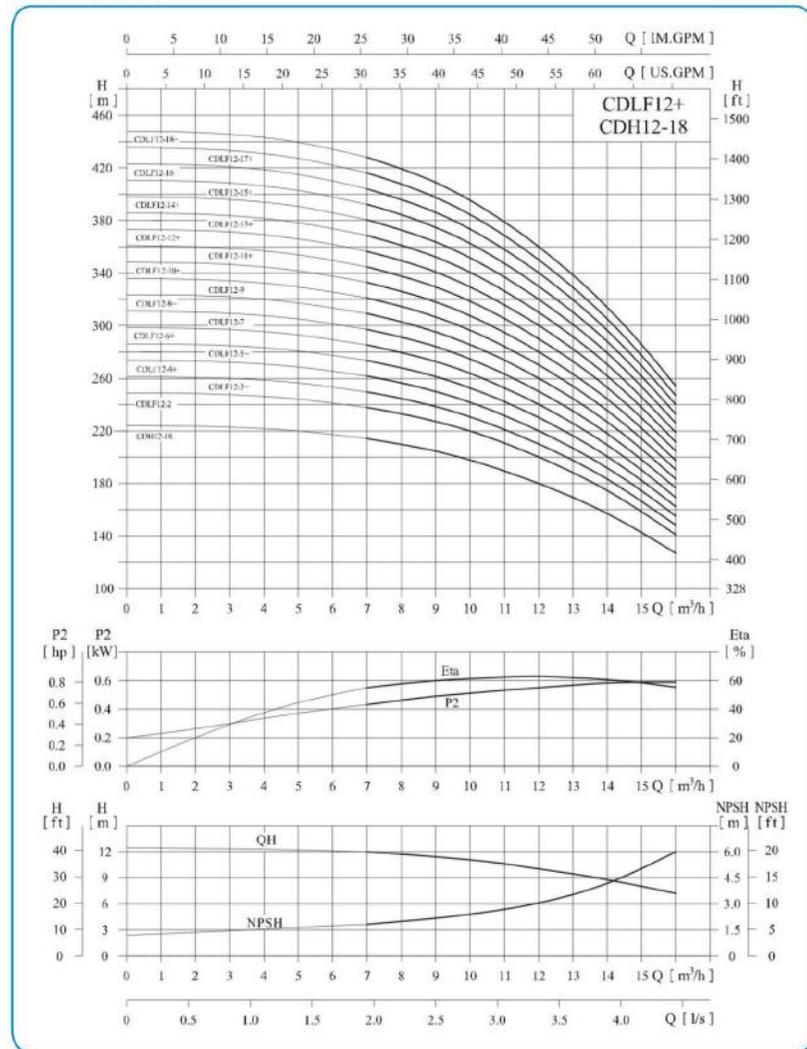
Dimension & Weight

Model	Dimension(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CDLF8-2/1+CDH8-20	347	245	592	170	142	136
CDLF8-2+CDH8-20	347	245	592	170	142	136
CDLF8-3+CDH8-20	377	245	622	170	142	146
CDLF8-4+CDH8-20	417	290	707	190	155	146
CDLF8-5+CDH8-20	447	290	737	190	155	156
CDLF8-6+CDH8-20	477	290	767	190	155	156
CDLF8-8+CDH8-20	547	345	892	197	165	161
CDLF8-10+CDH8-20	607	355	962	230	188	171
CDLF8-12+CDH8-20	667	355	1022	230	188	171
CDLF8-14+CDH8-20	747	390	1137	260	208	196
CDLF8-16+CDH8-20	807	390	1197	260	208	196
CDLF8-18+CDH8-20	867	390	1257	260	208	206
CDLF8-20+CDH8-20	927	390	1317	260	208	206

Technical data

Performance curve

2900rpm

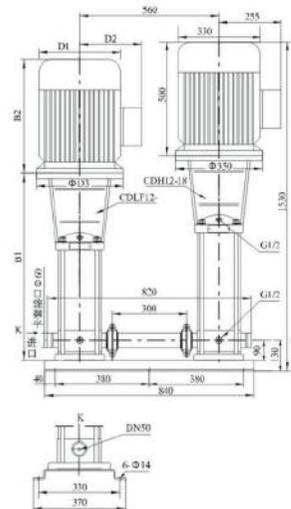


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	7	8	9	10	11	12	13	14	15	16
CDLF12-2+CDH12-18	1.5+11	H (m)	237.5	232	225.5	218	210	200	187.5	174	157.5	141
CDLF12-3+CDH12-18	2.2+11		249.5	244	237	229	220.5	210	197	183	165.5	148
CDLF12-4+CDH12-18	3+11		261	255	248	240	231	220	206	191	173	155
CDLF12-5+CDH12-18	3+11		273.5	267	259.5	251	241.5	230	215.5	200	181	162
CDLF12-6+CDH12-18	4+11		285.5	279	271	262	252	240	225	209	189	169
CDLF12-7+CDH12-18	5.5+11		297.5	291	282.5	273	262.5	250	234.5	218	197	176
CDLF12-8+CDH12-18	5.5+11		309.5	303	294	284	273	260	244	227	205	183
CDLF12-9+CDH12-18	5.5+11		322	315	306	296	284.5	271	254	236	213.5	191
CDLF12-10+CDH12-18	7.5+11		334	327	317.5	307	295	281	263.5	245	222	199
CDLF12-12+CDH12-18	7.5+11		357.5	350	340	329	316	301	282.5	263	238	213
CDLF12-14+CDH12-18	11+11		382	374	363	351	337	321	301.5	281	254	227
CDLF12-16+CDH12-18	11+11		406.5	398	386.5	374	359	342	321	299	270.5	242
CDLF12-18+CDH12-18	11+11		431	422	410.5	398	381.5	363	340.5	317	287	257

Installation instruction



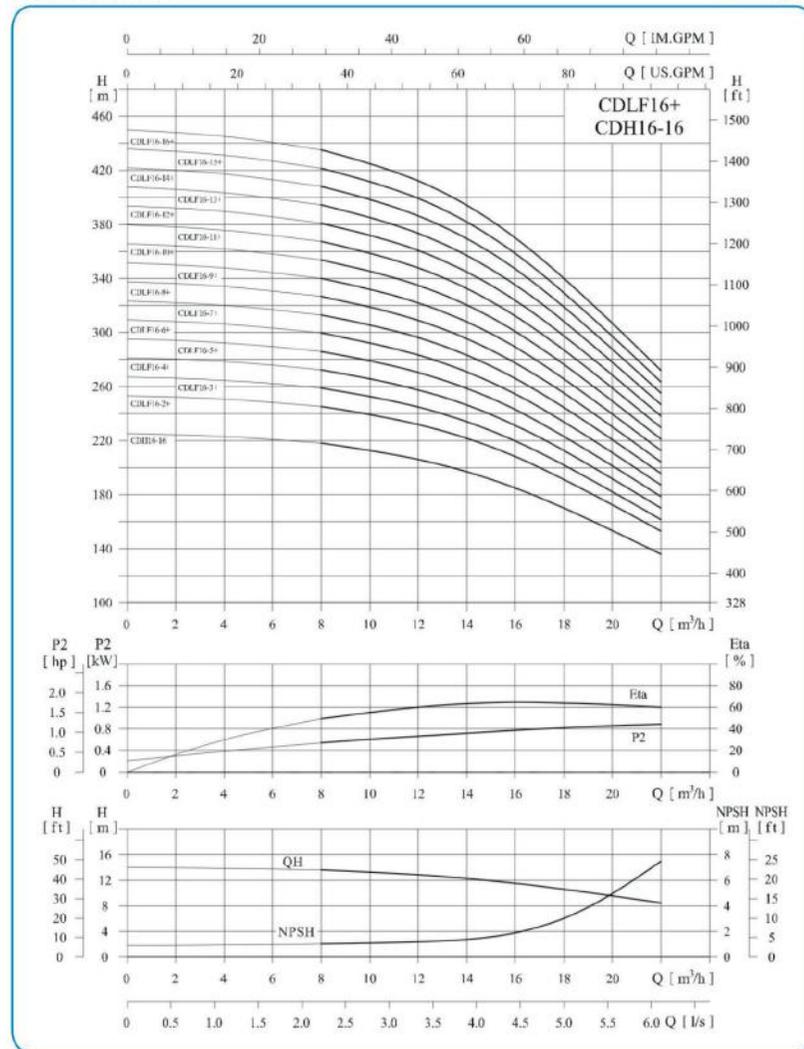
Dimension & Weight

Model	Dimension(mm)						Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
CDLF12-2+CDH12-18	367	290	657	190	155	145	210
CDLF12-3+CDH12-18	397	290	687	190	155	145	213
CDLF12-4+CDH12-18	437	345	782	197	165	160	220
CDLF12-5+CDH12-18	467	345	812	197	165	160	221
CDLF12-6+CDH12-18	497	355	852	230	188	160	231
CDLF12-7+CDH12-18	547	390	937	260	208	200	249
CDLF12-8+CDH12-18	577	390	967	260	208	200	249
CDLF12-9+CDH12-18	607	390	997	260	208	200	251
CDLF12-10+CDH12-18	637	390	1027	260	208	200	251
CDLF12-12+CDH12-18	697	390	1087	260	208	200	253
CDLF12-14+CDH12-18	845	500	1345	330	255	350	324
CDLF12-16+CDH12-18	905	500	1405	330	255	350	324
CDLF12-18+CDH12-18	965	500	1465	330	255	350	326

Technical data

Performance curve

2900rpm

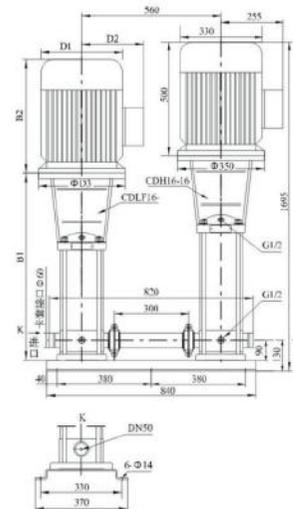


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	8	10	12	14	16	18	20	22
CDLF16-2+CDH16-16	2.2+1.5	H (m)	243	237	230	220	206	190	172	151
CDLF16-3+CDH16-16	3+1.5		257	251	243	233	218	201	182	160
CDLF16-4+CDH16-16	4+1.5		270	264	257	245	230	212	191	169
CDLF16-5+CDH16-16	5.5+1.5		284	278	270	258	242	223	201	178
CDLF16-6+CDH16-16	5.5+1.5		298	291	283	270	254	233	211	187
CDLF16-7+CDH16-16	7.5+1.5		312	306	296	283	266	245	221	196
CDLF16-8+CDH16-16	7.5+1.5		326	319	309	295	278	255	230	205
CDLF16-10+CDH16-16	11+1.5		354	347	336	321	302	278	250	222
CDLF16-12+CDH16-16	11+1.5		382	373	362	346	325	299	269	240
CDLF16-14+CDH16-16	15+1.5		410	401	389	371	350	321	289	257
CDLF16-16+CDH16-16	15+1.5		438	428	415	396	373	343	309	275

Installation instruction



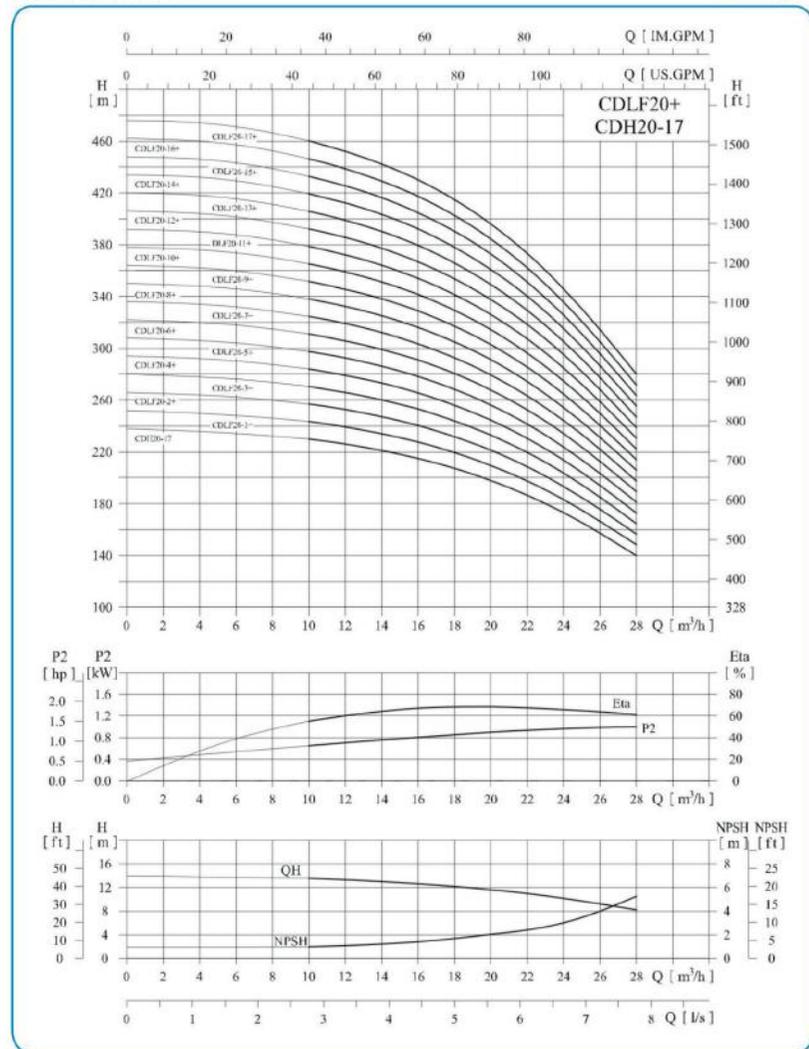
Dimension & Weight

Model	Dimension(mm)						Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
CDLF16-2+CDH16-16	397	290	687	190	155	145	231
CDLF16-3+CDH16-16	452	345	797	197	165	160	241
CDLF16-4+CDH16-16	497	355	852	230	188	160	246
CDLF16-5+CDH16-16	562	390	952	260	208	200	261
CDLF16-6+CDH16-16	607	390	997	260	208	200	266
CDLF16-7+CDH16-16	652	390	1042	260	208	200	271
CDLF16-8+CDH16-16	697	390	1087	260	208	200	271
CDLF16-10+CDH16-16	875	500	1375	330	255	350	331
CDLF16-12+CDH16-16	965	500	1465	330	255	350	336
CDLF16-14+CDH16-16	1055	500	1555	330	255	350	351
CDLF16-16+CDH16-16	1145	500	1645	330	255	350	356

Technical data

Performance curve

2900rpm

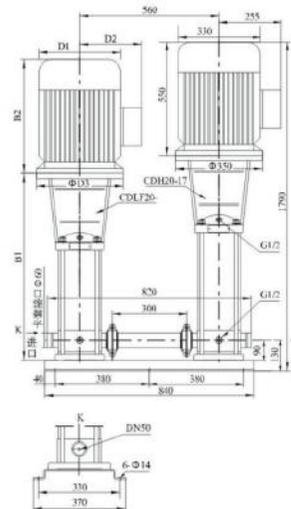


Technical data

Performance data

Model	Motor (kW)	Q (m³/h)	10	12	14	16	18	20	22	24	26	28
CDLF20-1+CDH20-17	1.1+18.5	H (m)	241.5	237	232.5	226	217	207	194	180	164	146
CDLF20-2+CDH20-17	2.2+18.5		255	250.5	246	239	230	220	207	192	175	155
CDLF20-3+CDH20-17	4+18.5		268	263.5	259	252	243	232	218	202	184	164
CDLF20-4+CDH20-17	5.5+18.5		282	277	272	265	255	244	229	213	194	173
CDLF20-5+CDH20-17	5.5+18.5		295	290	284	276	266	255	240	222	202	180
CDLF20-6+CDH20-17	7.5+18.5		309	303	297	289	279	267	251	233	212	189
CDLF20-7+CDH20-17	7.5+18.5		323	317	311	303	292	279	262	243	222	198
CDLF20-8+CDH20-17	11+18.5		337	331	325	316	305	291	274	254	232	207
CDLF20-10+CDH20-17	11+18.5		364	358	351	342	330	315	296	275	252	225
CDLF20-12+CDH20-17	15+18.5		392	386	378	368	355	339	318	296	271	242
CDLF20-14+CDH20-17	15+18.5		420	413	405	394	380	363	341	317	290	259
CDLF20-17+CDH20-17	18.5+18.5		462	454	445	433	418	399	375	349	319	285

Installation instruction



Dimension & Weight

Model	Dimension(mm)						Weight (kg)
	B1	B2	B1+B2	D1	D2	D3	
CDLF20-1+CDH20-17	387	245	632	170	142	145	244
CDLF20-2+CDH20-17	397	290	687	190	155	145	255
CDLF20-3+CDH20-17	452	355	807	230	188	160	269
CDLF20-4+CDH20-17	517	390	907	260	208	200	284
CDLF20-5+CDH20-17	562	390	952	260	208	200	286
CDLF20-6+CDH20-17	607	390	997	260	208	200	294
CDLF20-7+CDH20-17	652	390	1042	260	208	200	296
CDLF20-8+CDH20-17	785	500	1285	330	255	350	352
CDLF20-10+CDH20-17	875	500	1375	330	255	350	357
CDLF20-12+CDH20-17	965	500	1465	330	255	350	372
CDLF20-14+CDH20-17	1055	500	1555	330	255	350	377
CDLF20-17+CDH20-17	1190	550	1740	330	255	350	402