

# CDL(F), CDLK, CM

Multistage Centrifugal Pump  
50Hz



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

**Shoufei Pump**

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**CM Technical data**

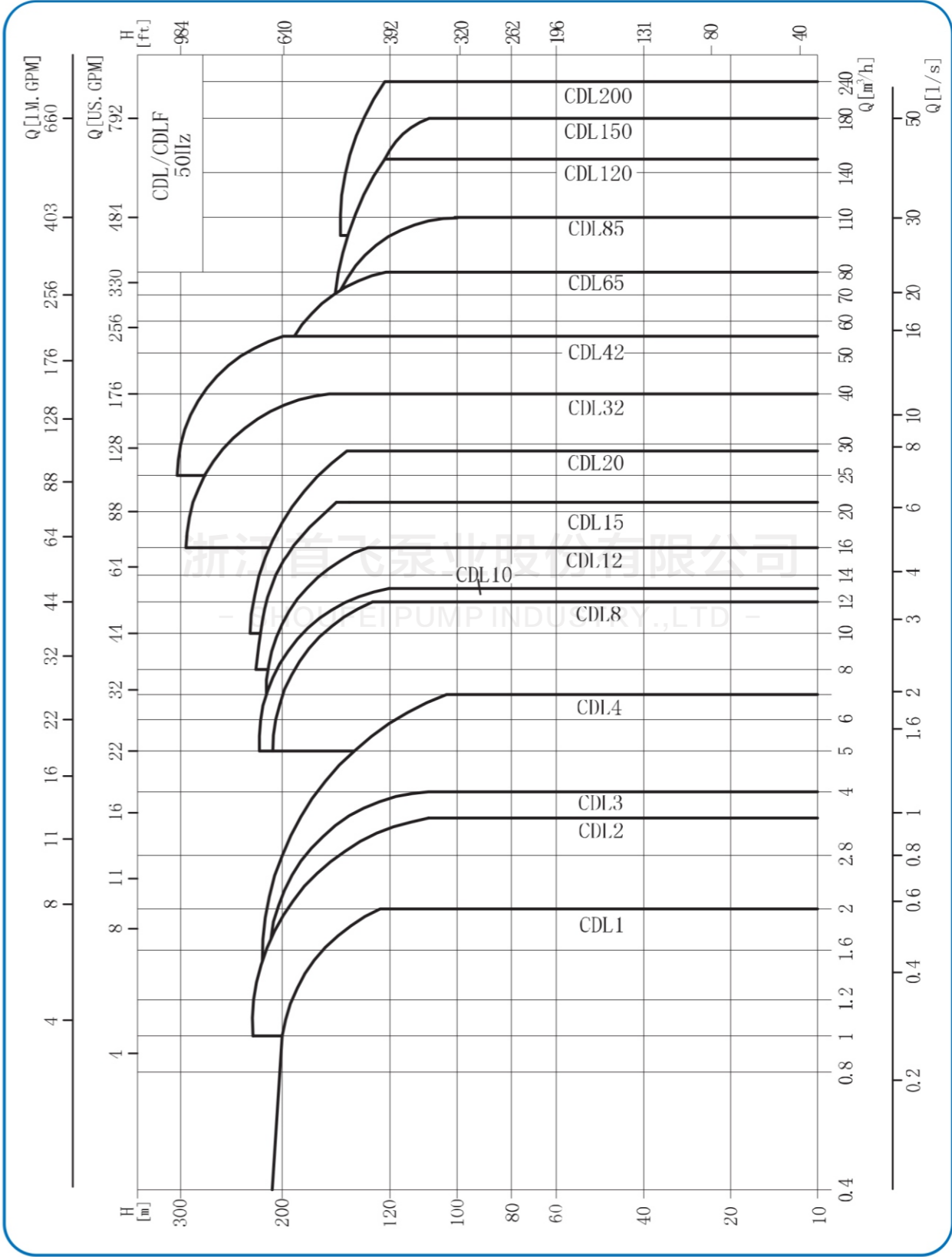
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# CDL(F)

## Vertical multistage centrifugal pump



Performance data



Product specification

Description	CDL1	CDL2	CDL3	CDL4	CDL8	CDL10	CDL12	CDL15	CDL20	CDL32	CDL42	CDL65	CDL85	CDL120	CDL150	CDL200
Rated flow [m3/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 [m3/h]	0.4-2	1-3.5	1.2-4	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	0.28-0.97	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 <sup>1</sup> / <sub>4</sub>	G1 <sup>1</sup> / <sub>2</sub>	G1 <sup>1</sup> / <sub>2</sub>										
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 <sup>1</sup> / <sub>4</sub>	ZG1 <sup>1</sup> / <sub>4</sub>	ZG1 <sup>1</sup> / <sub>4</sub>	ZG1 <sup>1</sup> / <sub>4</sub>	ZG2	ZG2	ZG2	ZG2	ZG2							
Oval flange	G1	G1	G1	G1 <sup>1</sup> / <sub>4</sub>	G1 <sup>1</sup> / <sub>2</sub>	G1 <sup>1</sup> / <sub>2</sub>										

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

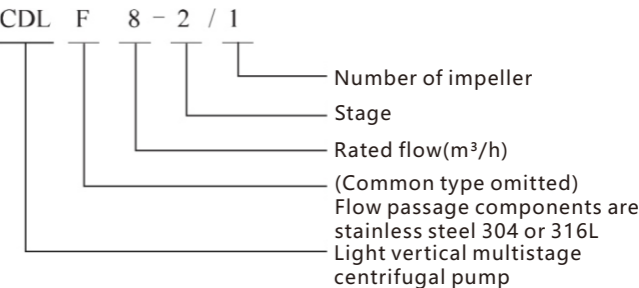
Performance curve

The following instructions apply to shown curves on below:

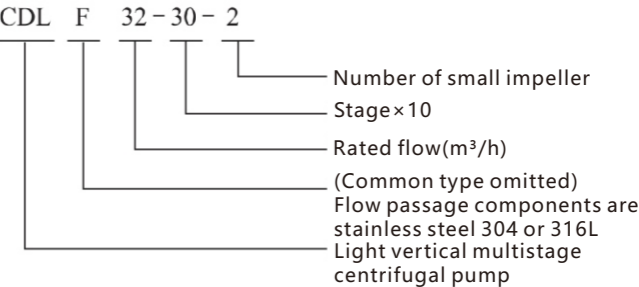
- 1、 All curves are based on the measurements of the electric motor at a constant speed of 2900rpm or 2950rpm.
- 2、 The curves tolerance comply with ISO9906:2012, 3B class.
- 3、 The test adopts water without air at 20 °C and the kinematic viscosity is 1mm <sup>2</sup>/ s.
- 4、 The use of the pump refers 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

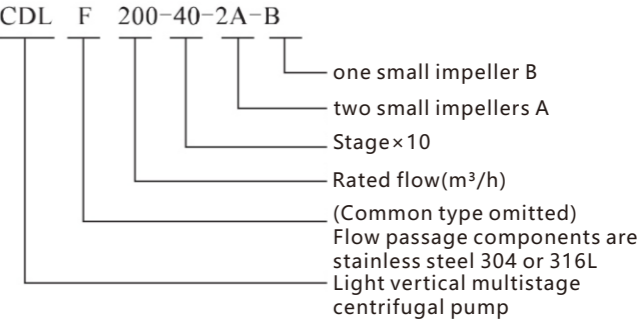
CDL,CDLF1,2,3,4,8,10,12,15And20



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



CDL,CDLF200



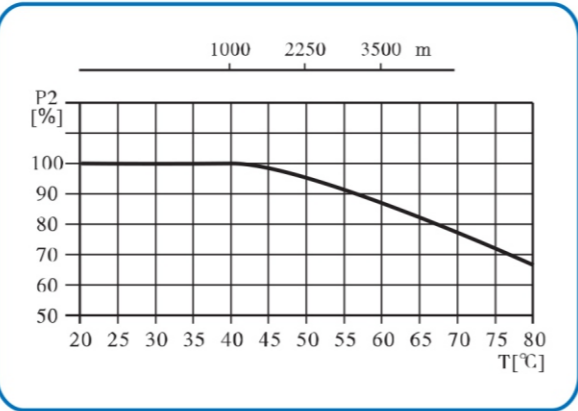
Maximum working pressure

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.

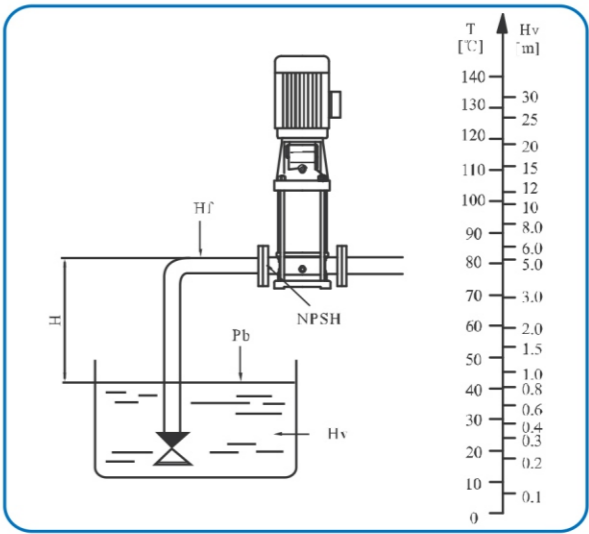
Maximum ambient temperature

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.

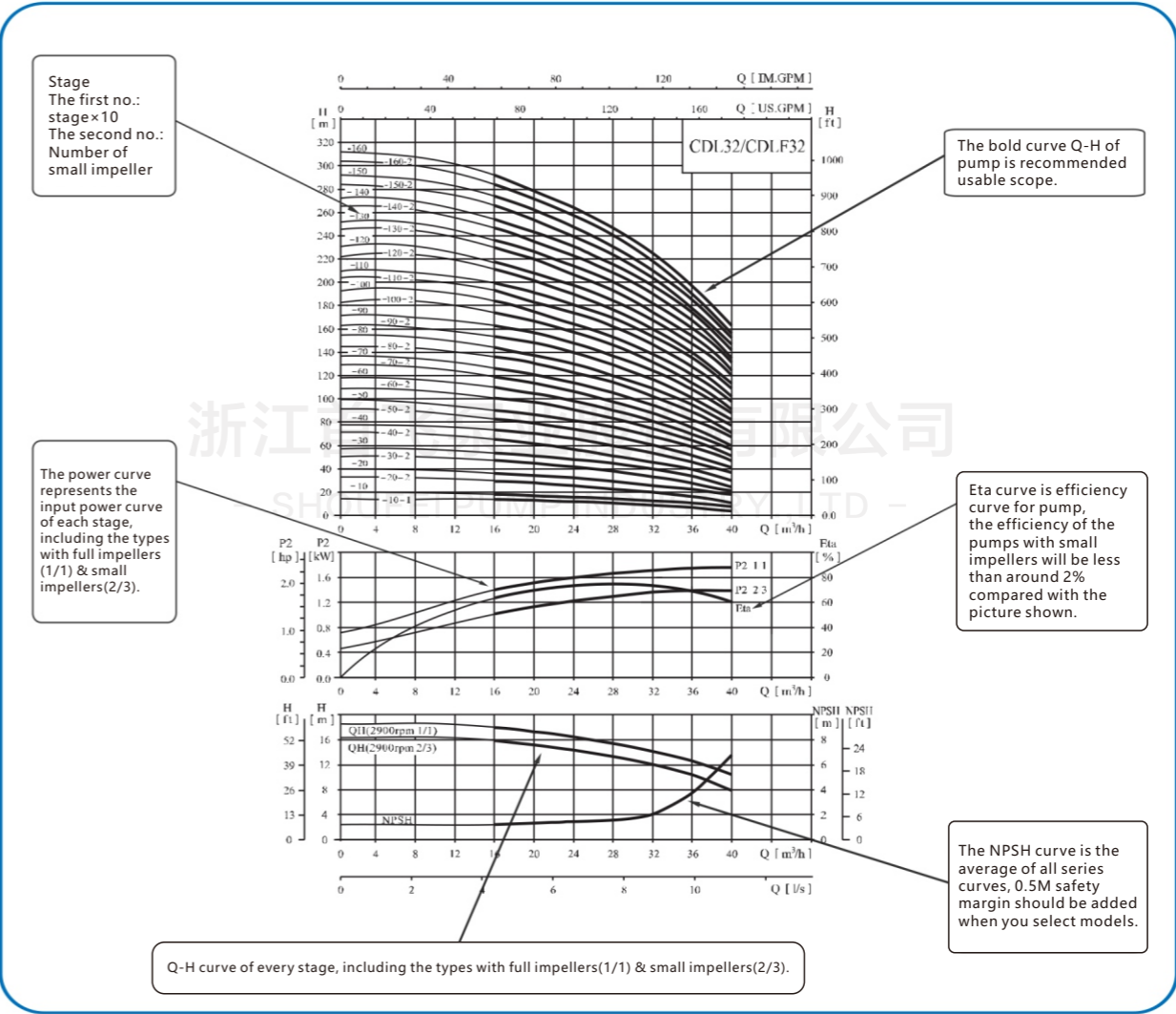


Minimum inlet pressure NPSH

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:  
 $H = Ph \times 10.2 - NPSH - H_f - H_v - H_s$   
 $P_b = \text{Atmospheric pressure [bar]}$   
(The atmospheric pressure can be set to one bar.)  
In the closed-type system,  $P_b$  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.)  
 $H_f$  = Pipeline loss at inlet [m]  
 $H_v$  = Vaporization pressure [m]  
 $H_s$  = 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  $H$ .

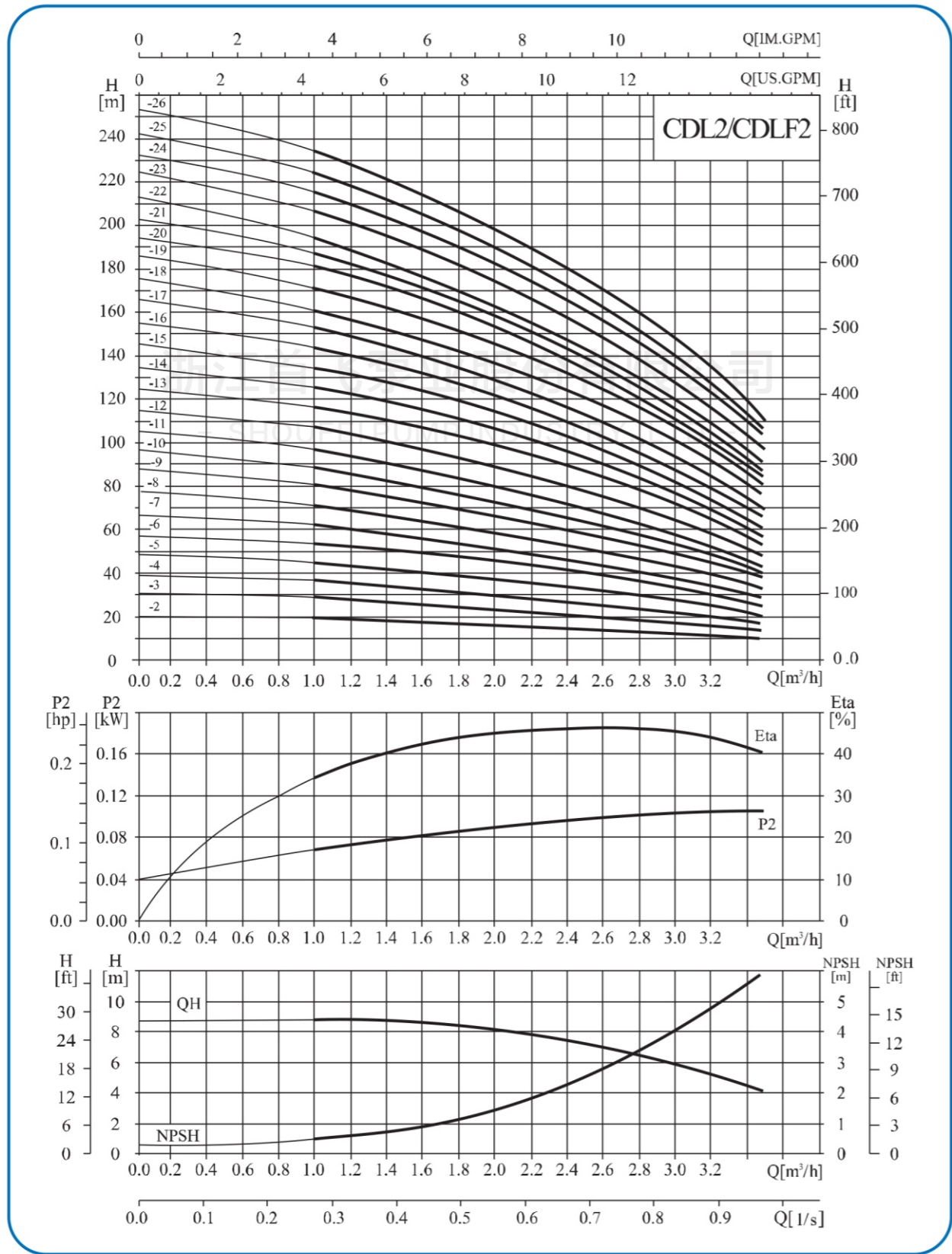


Check to ensure that the pump is not in cavitation condition



Performance curve

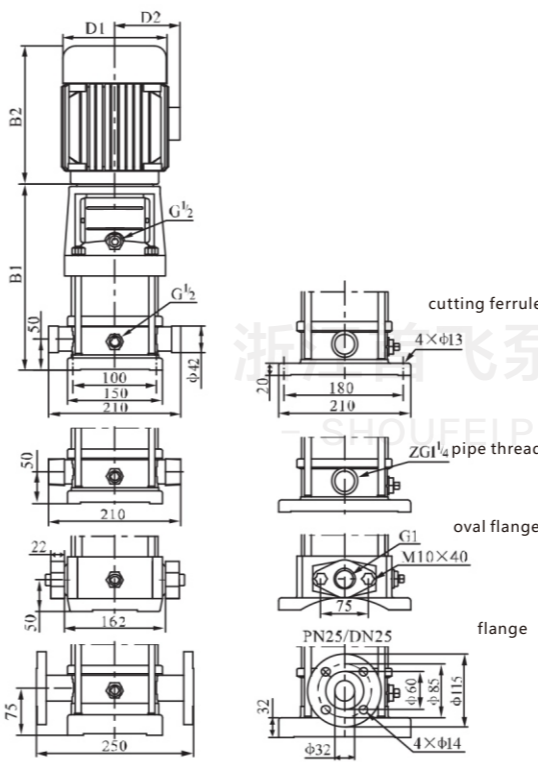
2900rpm



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



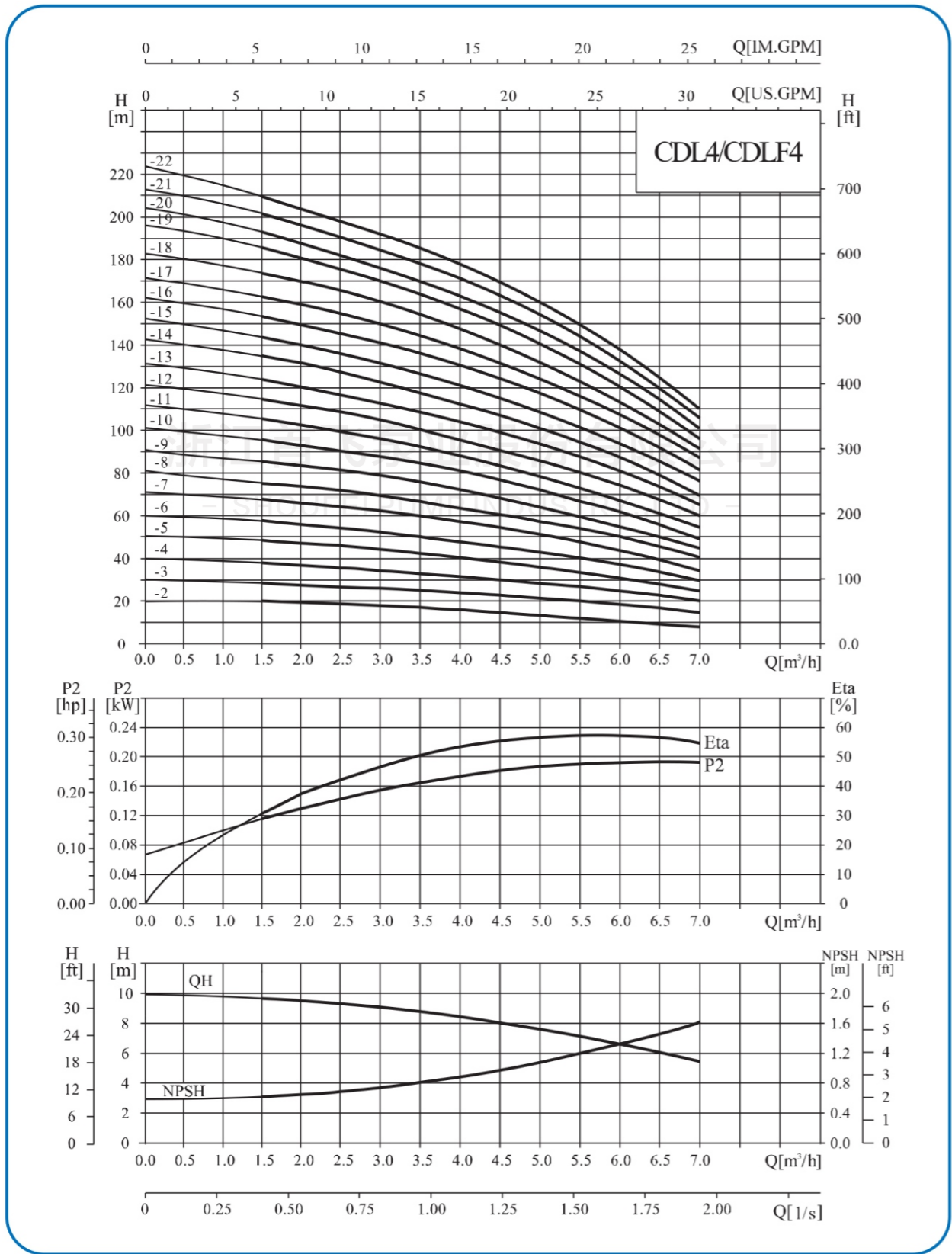
Dimension & Weight

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	345	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.

Performance curve

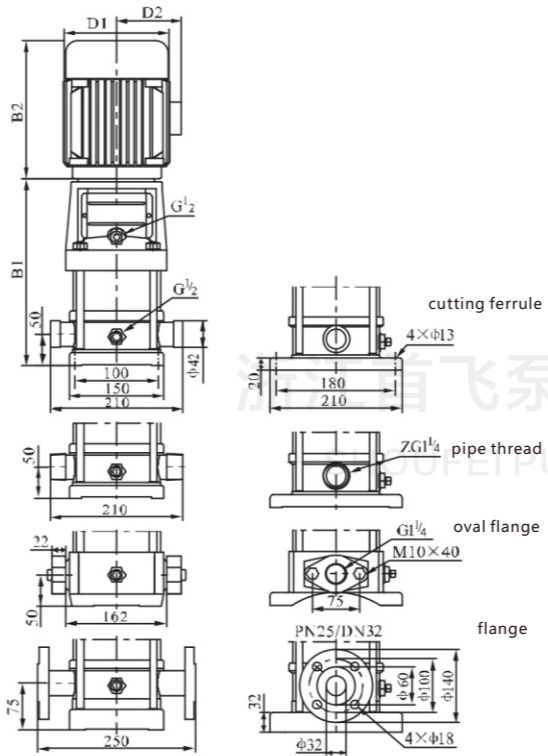
2900rpm



Performance data

Model	Motor (kW)	Q (m³/h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
CDL4-2	0.37	H (m)	19	18	17	15	13	10	8
CDL4-3	0.55		28	27	26	24	20	18	13
CDL4-4	0.75		38	36	34	32	27	24	19
CDL4-5	1.1		47	45	43	40	34	31	23
CDL4-6	1.1		56	54	52	48	41	37	28
CDL4-7	1.5		66	63	61	56	48	43	33
CDL4-8	1.5		74	72	70	64	55	50	38
CDL4-10	2.2		96	90	87	81	71	62	48
CDL4-12	2.2		114	108	104	95	85	75	58
CDL4-14	3.0		136	126	122	112	101	89	68
CDL4-16	3.0		152	144	140	129	115	101	78
CDL4-19	4.0		183	171	168	153	137	122	93
CDL4-22	4.0		211	200	192	178	160	138	108

Installation instruction



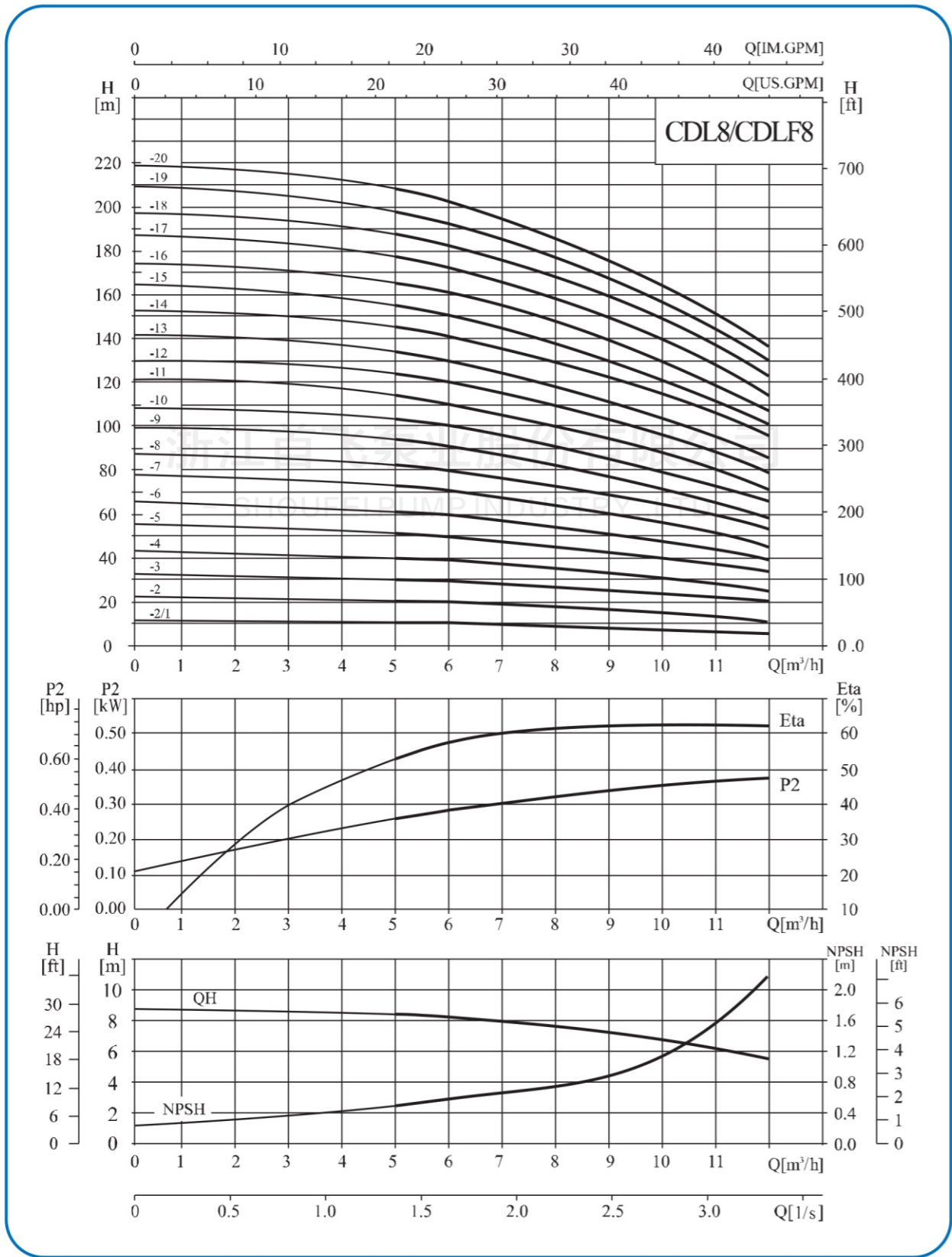
Dimension & Weight

Model	Dimension(mm)					Weight(kg)
	B1	B2	B1-B2	D1	D2	
CDL4-2	276	225	501	148	117	22
CDL4-3	303	225	528	148	117	24
CDL4-4	340	245	585	170	142	30
CDL4-5	367	245	612	170	142	32
CDL4-6	394	245	639	170	142	33
CDL4-7	431	290	721	190	155	39
CDL4-8	458	290	748	190	155	40
CDL4-10	512	290	802	190	155	43
CDL4-12	566	290	856	190	155	44
CDL4-14	630	345	975	197	165	52
CDL4-16	684	345	1029	197	165	54
CDL4-19	765	355	1120	230	188	56
CDL4-22	846	355	1201	230	188	59

CDL4-19 ~ 4-22 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.

Performance curve

2900rpm

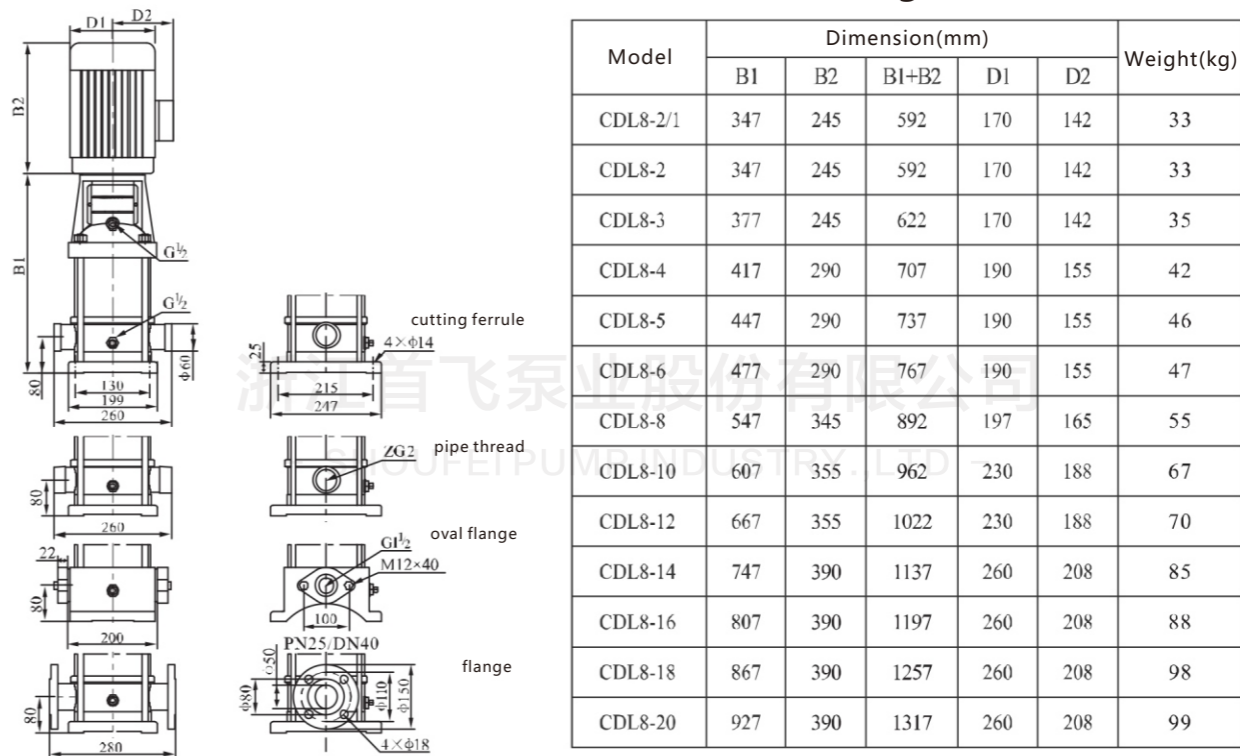


Performance data

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

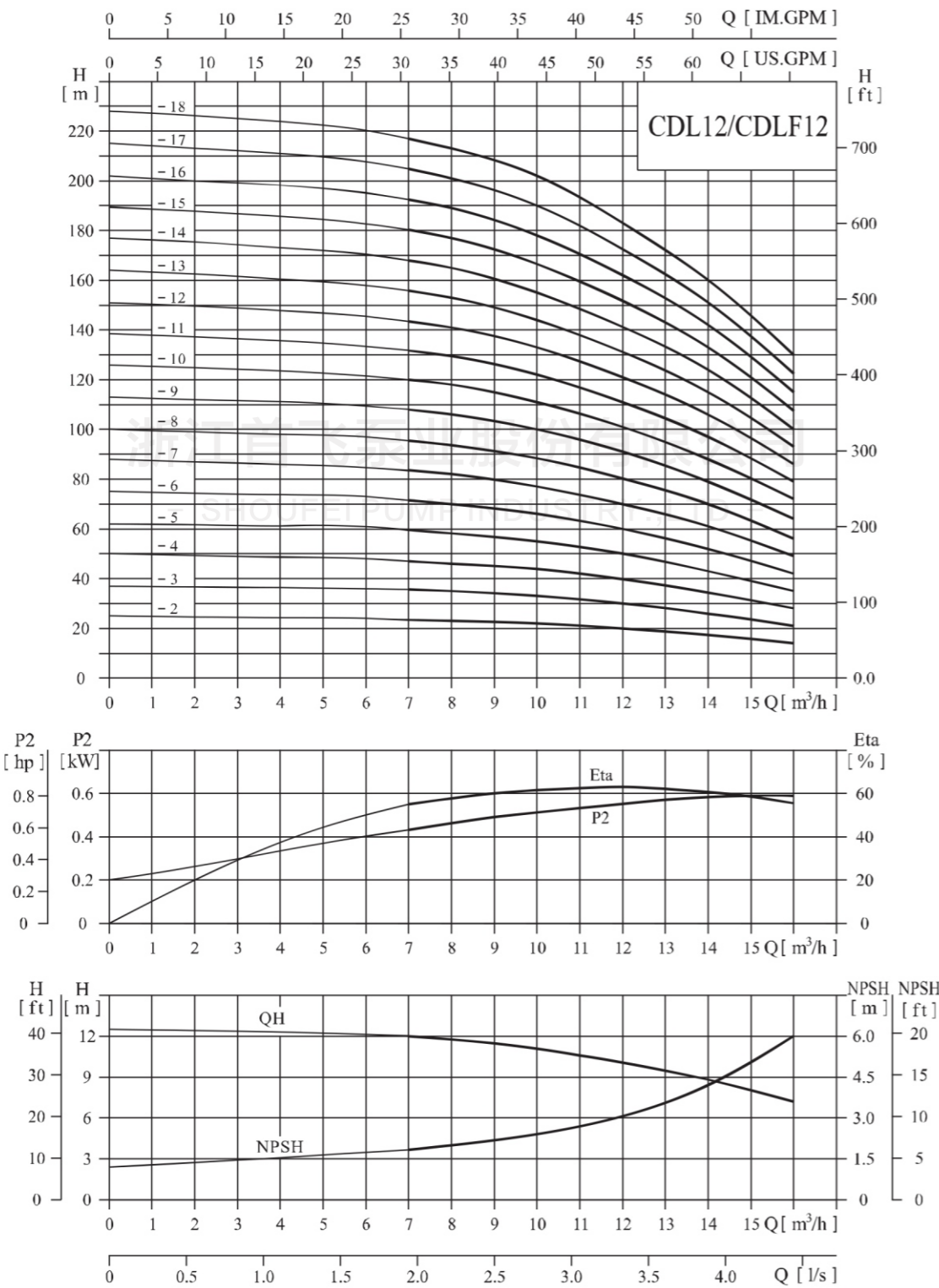
Dimension & Weight



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.

Performance curve

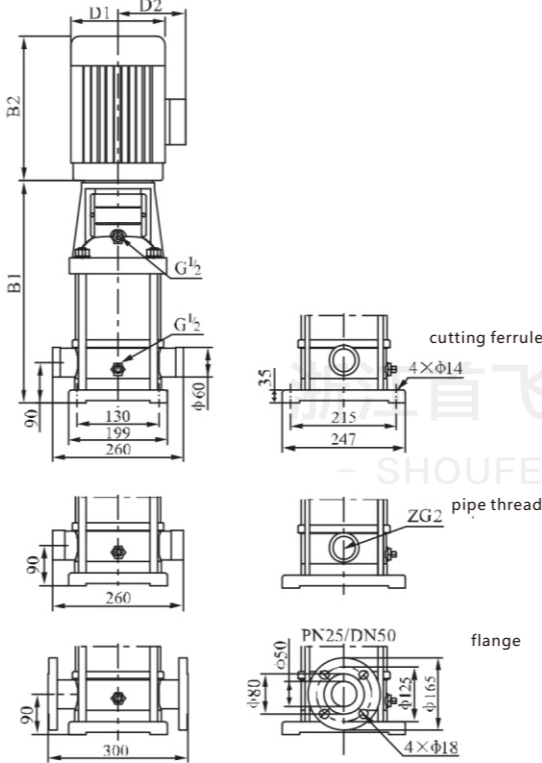
2900rpm



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



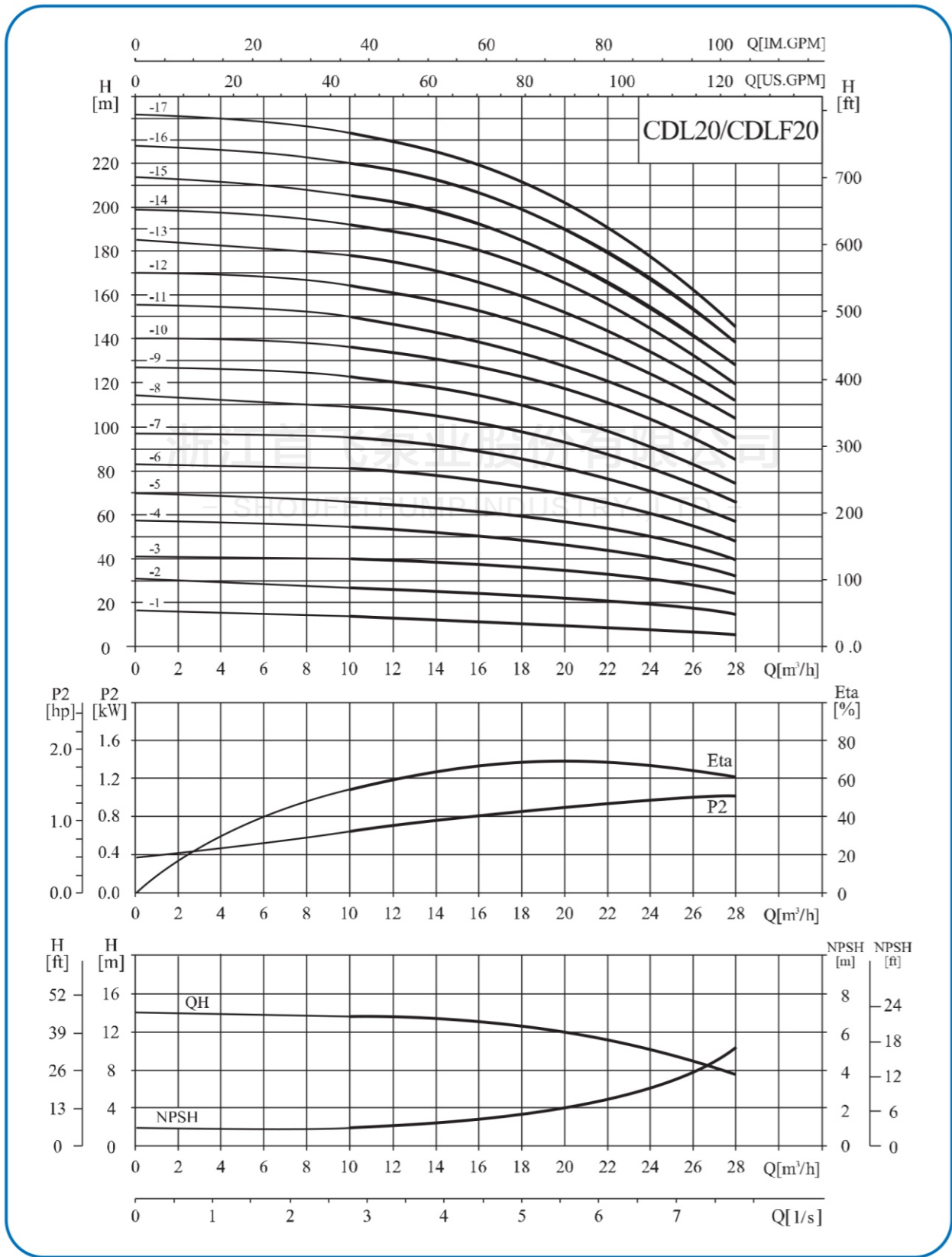
Dimension & Weight

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.

Performance curve

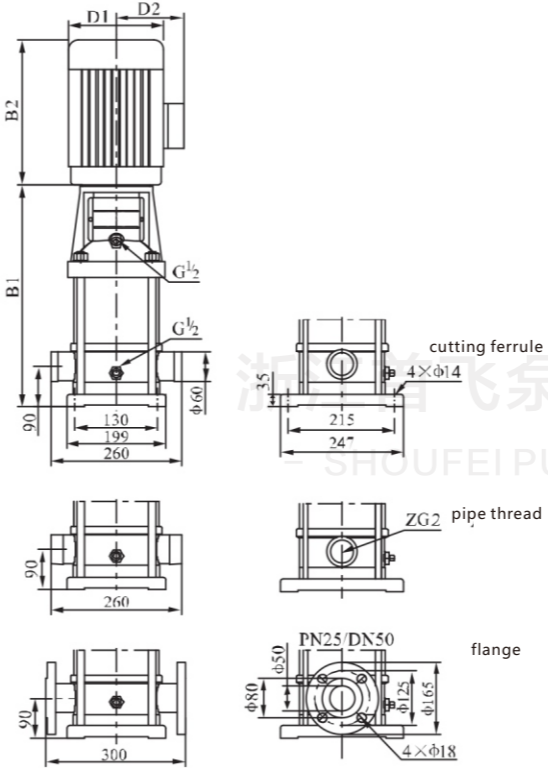
2900rpm



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



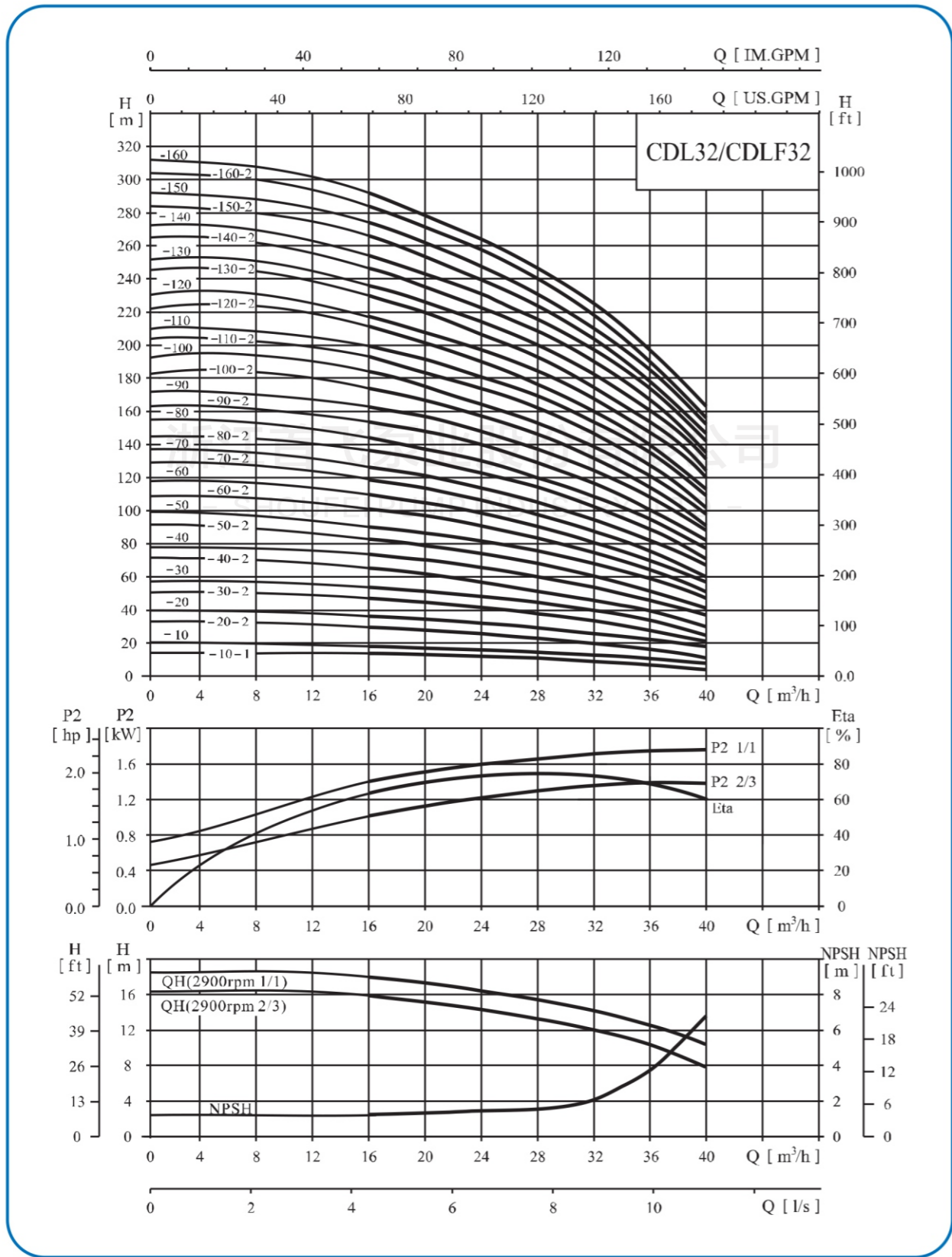
Dimension & Weight

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.

Performance curve

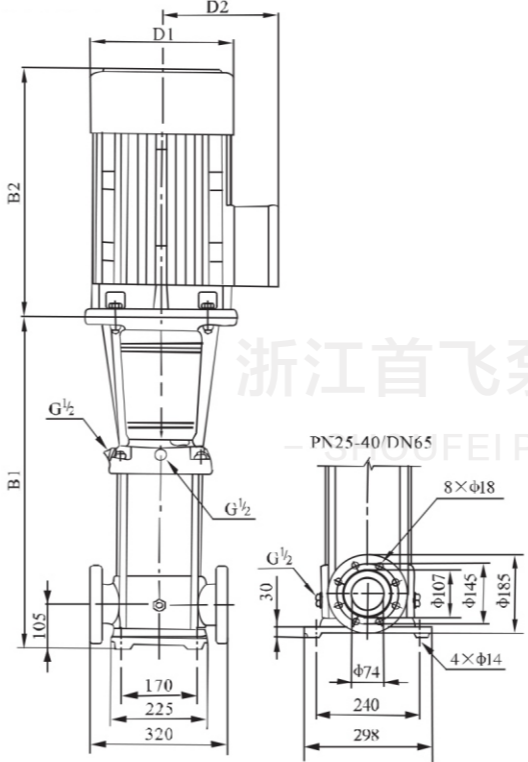
2900rpm



Performance data

Model	Motor (kW)	Q (m³/h)	16	20	24	28	32	36	40	型号	配用电机 (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	201	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



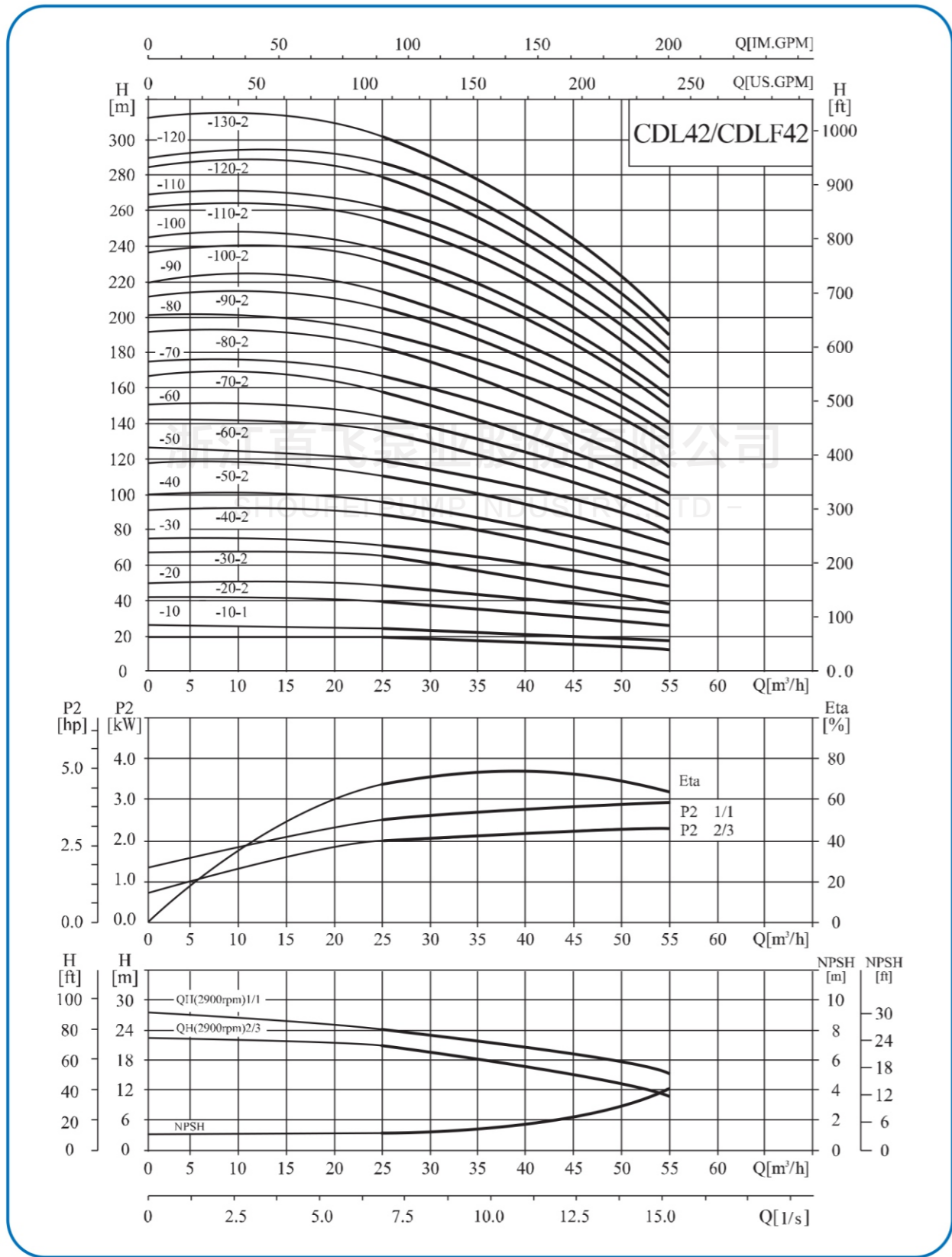
The overall dimensions of single-phase motor and explosion-proof motor are a little different, please contact us for details.

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	920/930	197/230	165/180	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

Performance curve

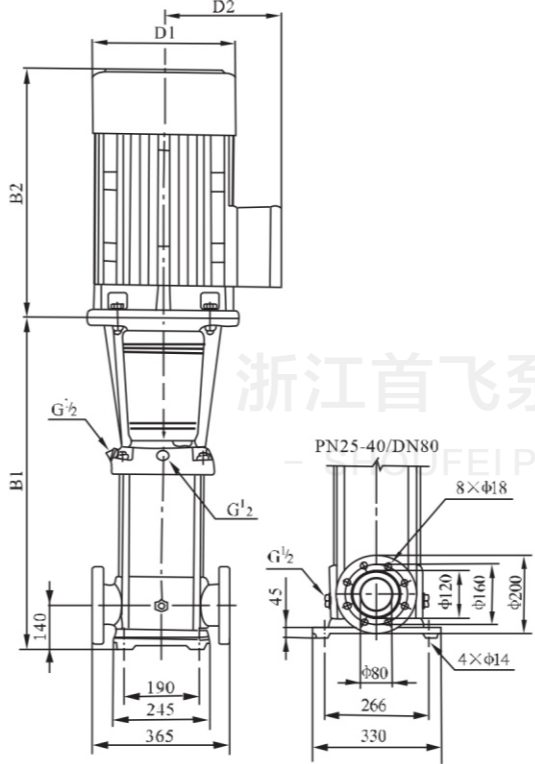
2900rpm



Performance data

Model	Motor (kW)	Q (m³/h)	25	30	35	40	42	45	50	55
CDL42-10-1	3.0	H (m)	20	19	18	17	16	15	13	11
CDL42-10	4.0		24	23	22	21	20	19	18	16
CDL42-20-2	5.5		40	38	36	33	32	30	27	23
CDL42-20	7.5		48	46	44	42	41	39	35	31
CDL42-30-2	11		63	61	58	54	52	50	44	38
CDL42-30	11		71	69	66	63	61	58	53	47
CDL42-40-2	15		87	84	80	75	73	69	62	54
CDL42-40	15		95	92	88	84	81	78	71	62
CDL42-50-2	18.5		111	107	102	96	93	88	80	69
CDL42-50	18.5		119	115	110	105	101	97	88	78
CDL42-60-2	22		135	130	124	117	113	108	97	85
CDL42-60	22		143	138	132	125	122	116	106	93
CDL42-70-2	30		158	152	146	138	134	127	115	100
CDL42-70	30		166	161	154	146	142	135	124	109
CDL42-80-2	30		182	175	168	159	154	146	133	116
CDL42-80	30		190	184	176	167	162	154	141	124
CDL42-90-2	30		205	198	190	180	174	166	150	132
CDL42-90	37		214	207	198	188	183	174	159	140
CDL42-100-2	37		230	221	212	200	194	185	168	147
CDL42-100	37		238	230	220	209	203	193	177	155
CDL42-110-2	45		255	246	236	223	217	206	188	165
CDL42-110	45		263	255	244	232	225	214	196	173
CDL42-120-2	45		280	270	259	245	238	226	206	181
CDL42-120	45		289	280	268	255	247	236	216	190
CDL42-130-2	45		305	294	282	267	259	247	225	198

Installation instruction



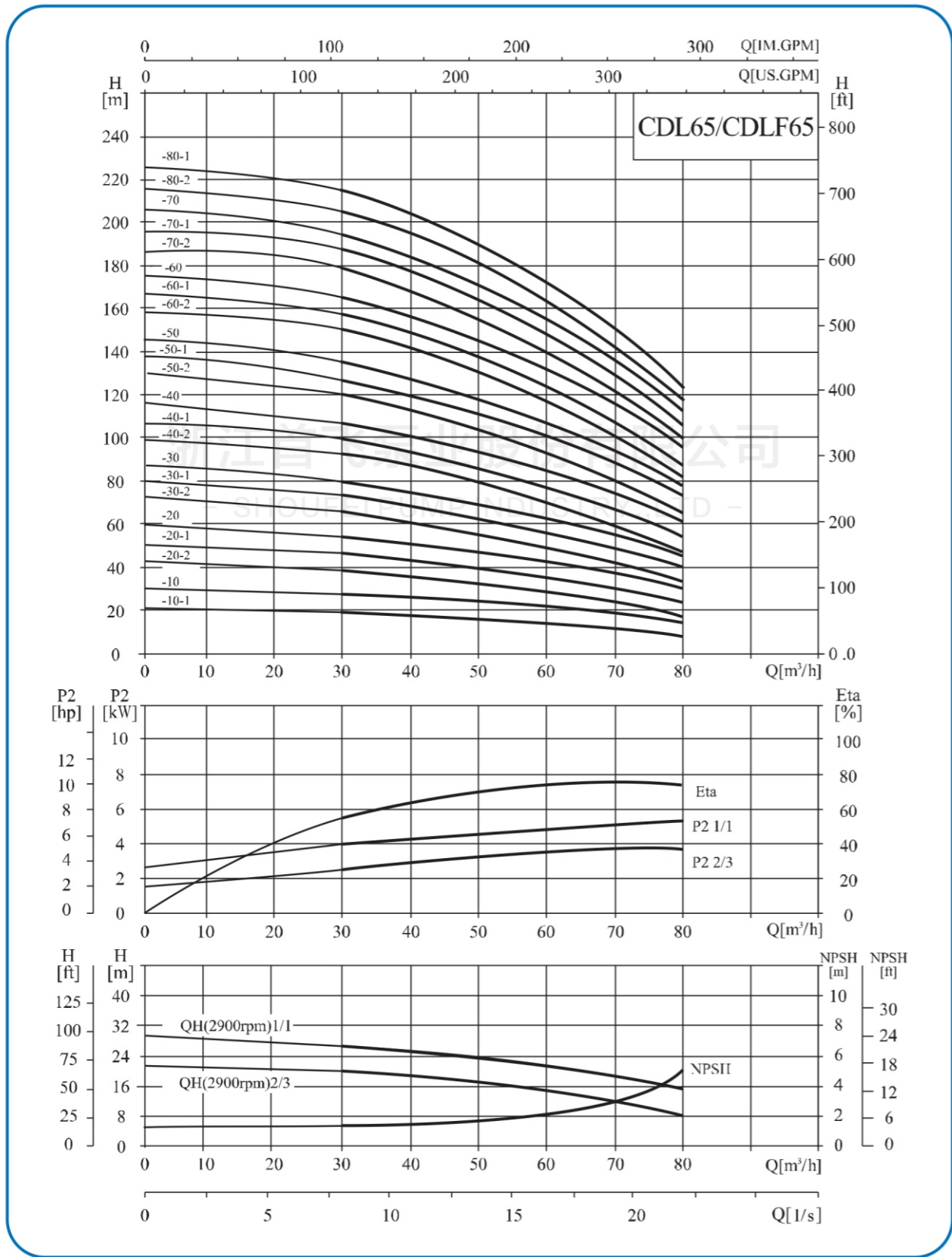
Dimension & Weight

Model	Dimension(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CDL42-10-1	561	345/355	906/916	197/230	165/188	84/91
CDL42-10						
CDL42-20-2	641	390	1031	260	208	106/111
CDL42-20						
CDL42-30-2	826	500	1326	330	255	187
CDL42-30						
CDL42-40-2	906	500	1406	330	255	203
CDL42-40						
CDL42-50-2	986	550	1536	330	255	225
CDL42-50						
CDL42-60-2	1066	575	1641	360	285	266
CDL42-60						
CDL42-70-2	1146	650	1796	400	310	326
CDL42-70						
CDL42-80-2	1226	650	1876	400	310	330
CDL42-80						
CDL42-90-2	1306	650	1956	400	310	334
CDL42-90						
CDL42-100-2	1386	650	2036	400	310	360
CDL42-100						
CDL42-110-2	1466	685	2151	450	345	430
CDL42-110						
CDL42-120-2	1546	685	2231	450	345	438
CDL42-120						
CDL42-130-2	1626	685	2311	450	345	444

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

Performance curve

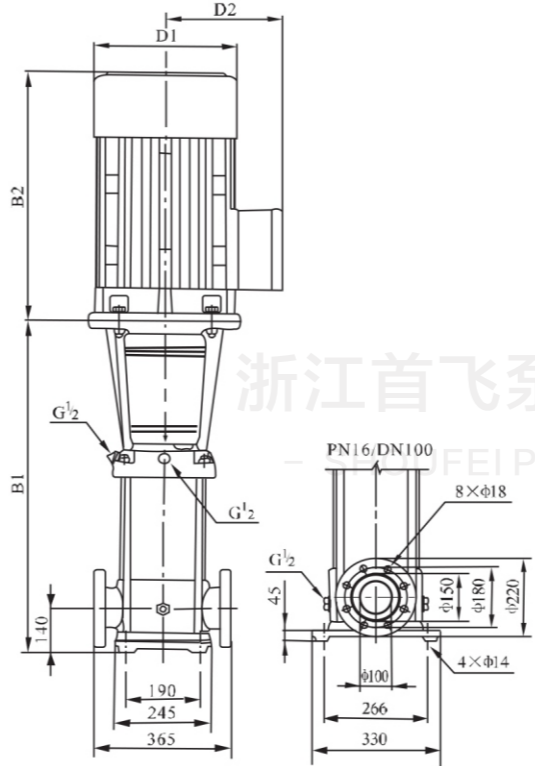
2900rpm



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



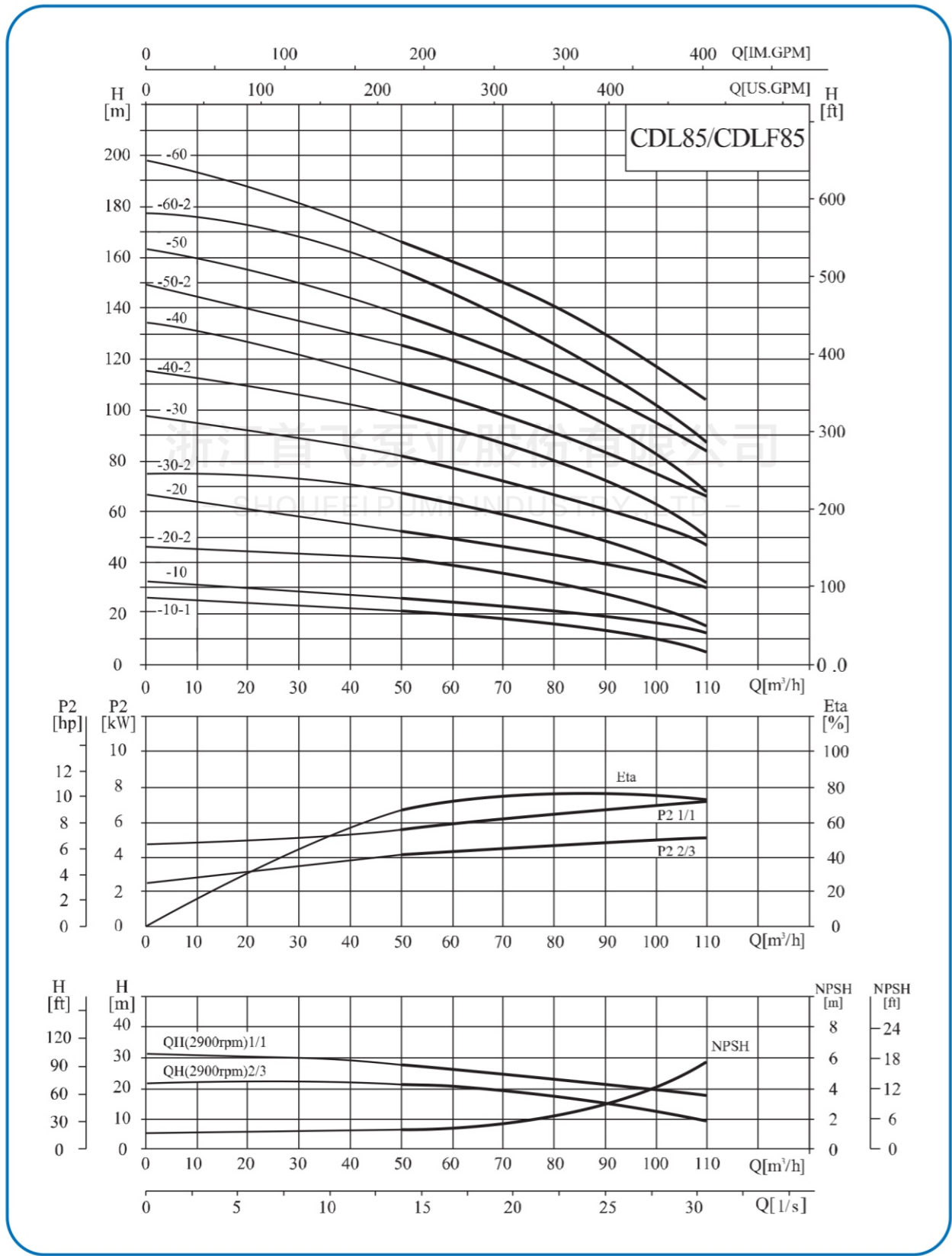
Dimension & Weight

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.

Performance curve

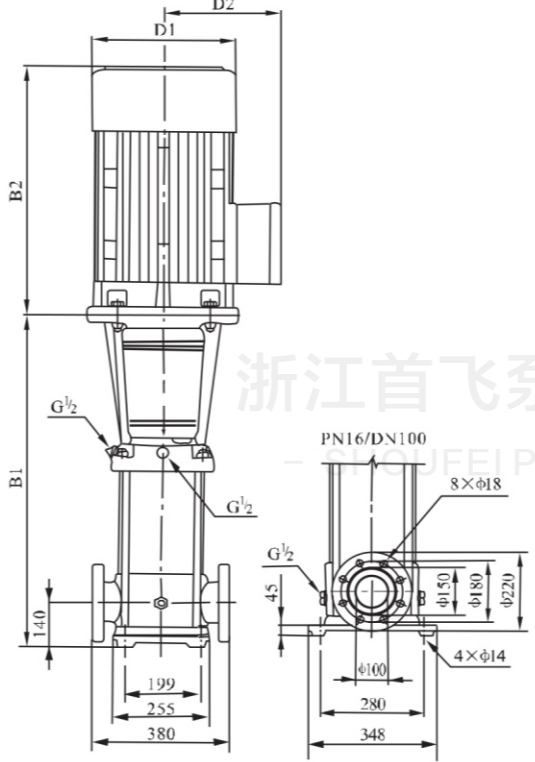
2900rpm



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



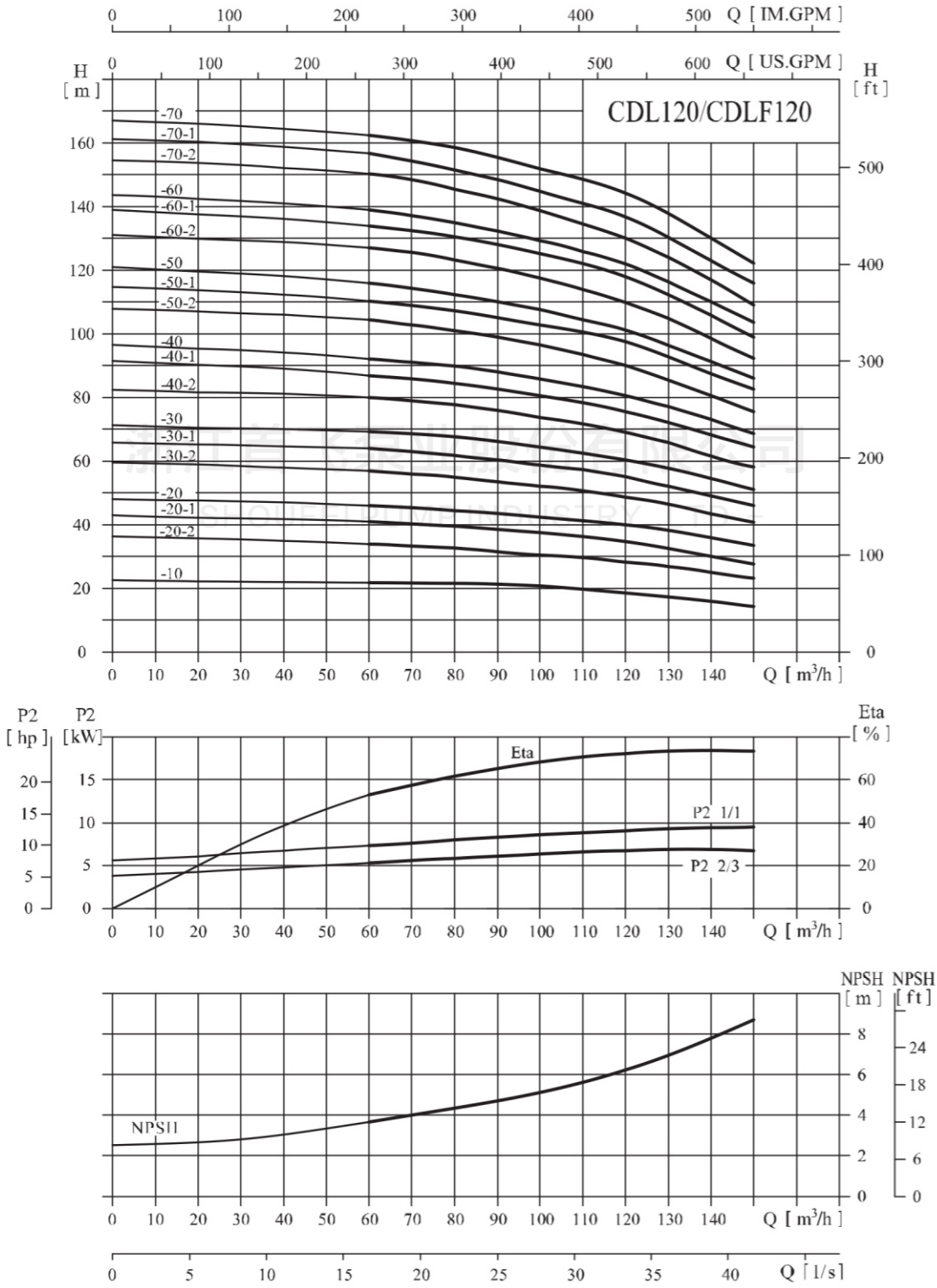
Dimension & Weight

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.

Performance curve

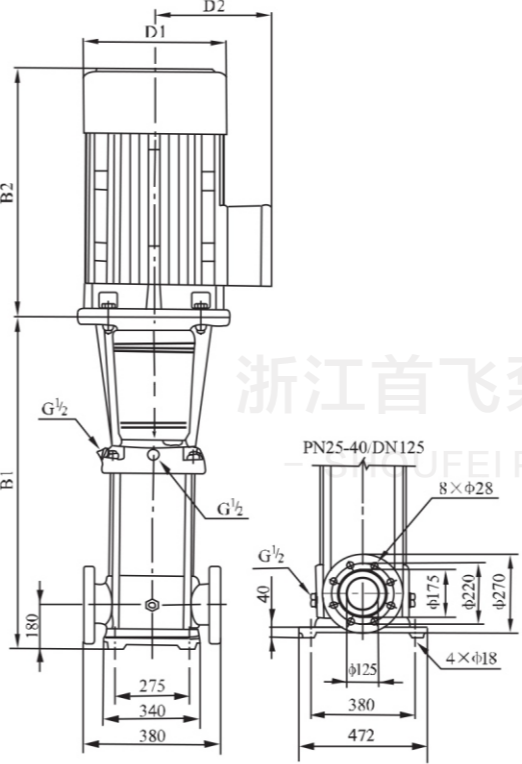
2950rpm



Performance data

Model	Motor (kW)	Q (m³/h)	60	70	80	90	100	110	120	130	140	150
CDL120-10	11	H (m)	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



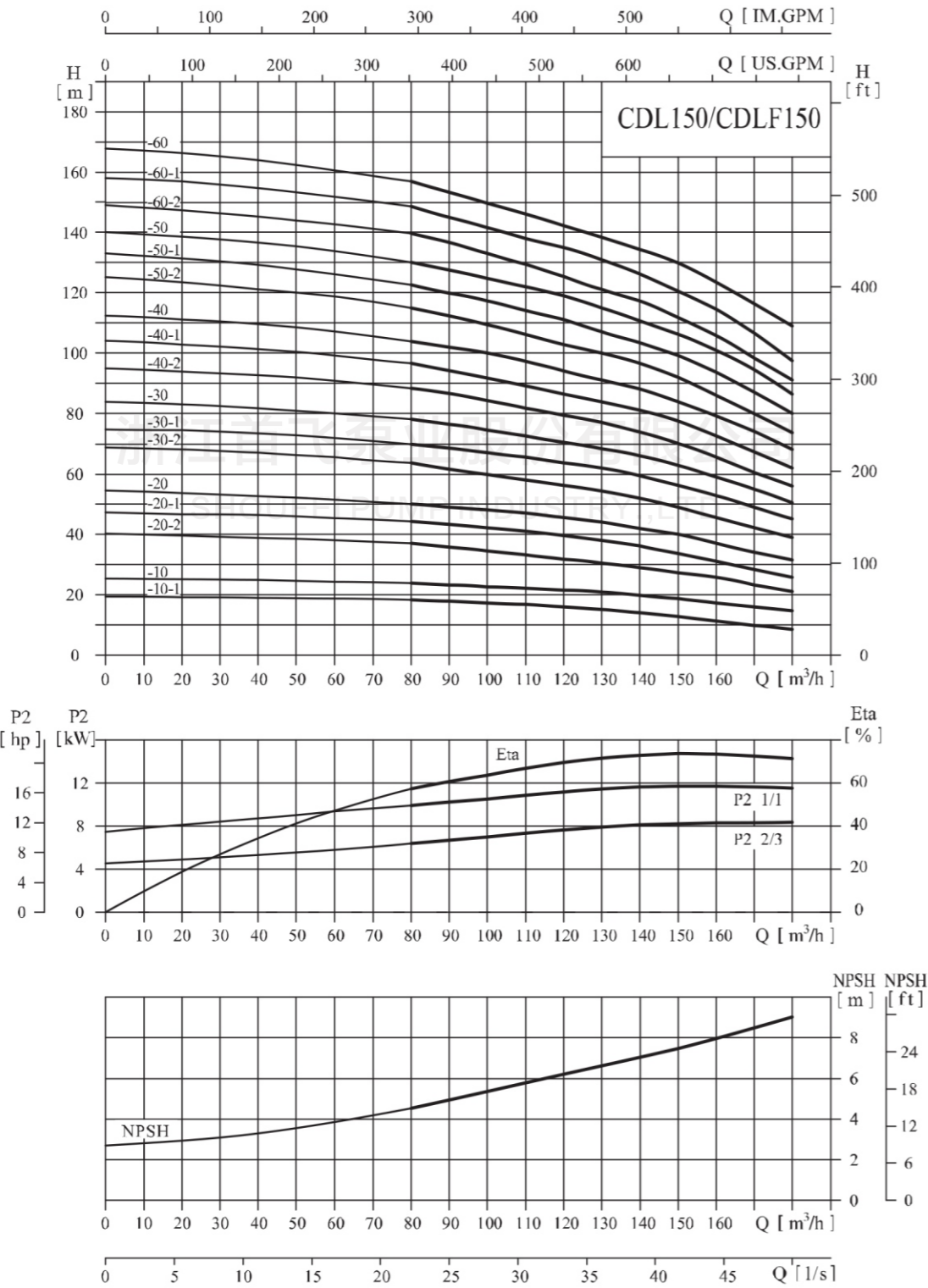
Dimension & Weight

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.

Performance curve

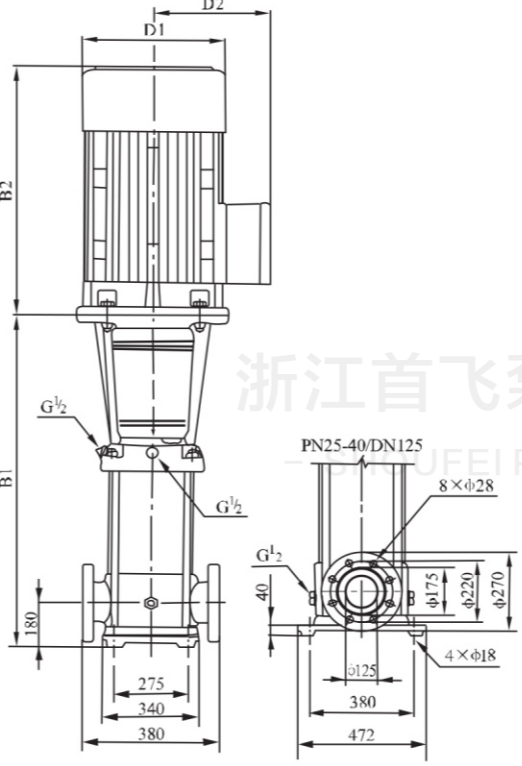
2950rpm



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



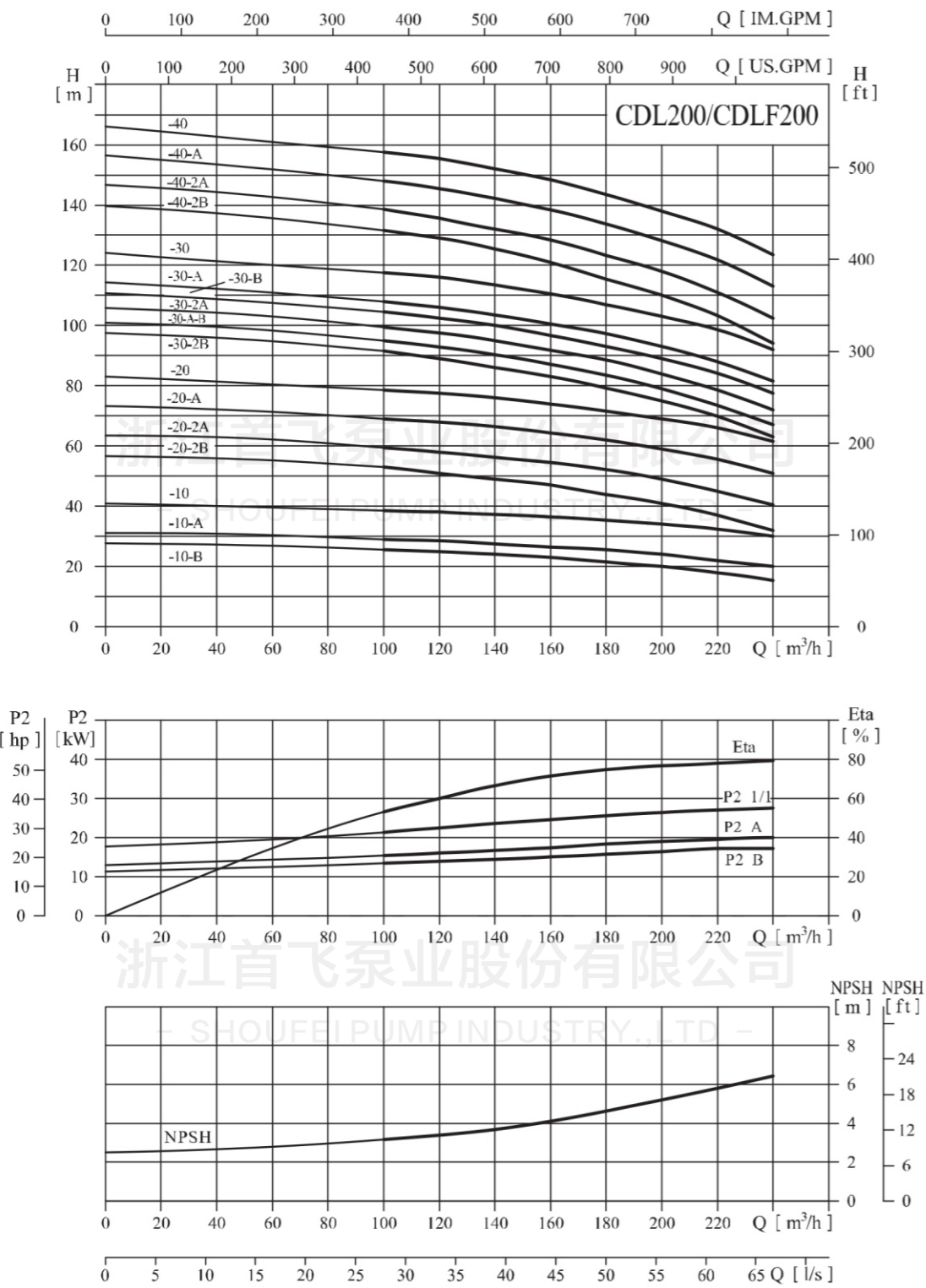
Dimension & Weight

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.

Performance curve

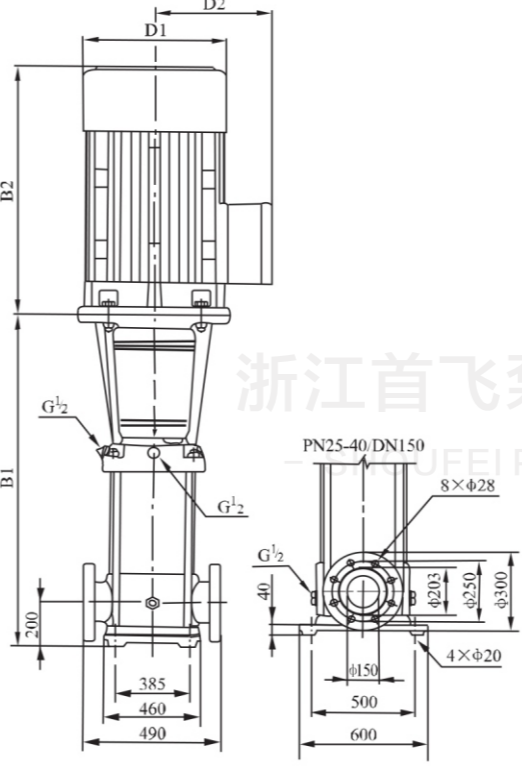
2950rpm



Performance data

Model	Motor (kW)	Q (m³/h)	100	120	140	160	180	200	220	240
CDL200-10-B	18.5	H (m)	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.