



CDLK 50Hz/60Hz

Immersion Type Multi-stage Centrifugal Pump

CDLK F

Nanfang Pump Industry Co.,Ltd.

CNP Headquarter

Address: Renhe Town, Hangzhou China

PostCode: 311107

Tel: +86 571 86397810, 86397838

Fax: +86 571 86397809

E-mail: info@nanfang-pump.com

Website: www.cnppump.com



E120305
subject to amendments



Company Profile



Founded in 1991, Nanfang Pump Industry Co., Ltd. (hereinafter referred to as CNP) has been listed on the Shenzhen Stock Exchange on 9th December 2010; Stock name: CNP; Stock code: 300145.

As the first enterprise specializing in the research and large-scale production of stainless steel stamping welded centrifugal pump in China, CNP is currently the professional manufacturer with the highest volume of production and marketing in that industry. It ranks first in the country in terms of product scope, sales volume, and production quality. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water etc.

CNP has now entered into the fast track of development and has taken a major step forward in forging China Strong Pump Enterprise and World's famous brand in the Pump Industry. In order to better meet the client's needs and requirements for expansion, it has set up a wide network of selling and service, as well as offices and service centers in major cities in China, which are aimed at providing timely and effective services for our clients. Meanwhile, our company has successfully penetrated into the world market by forging a good business relationship with more than 50 countries and regions in the Europe, Northern American, and Southeast Asia etc.

Content

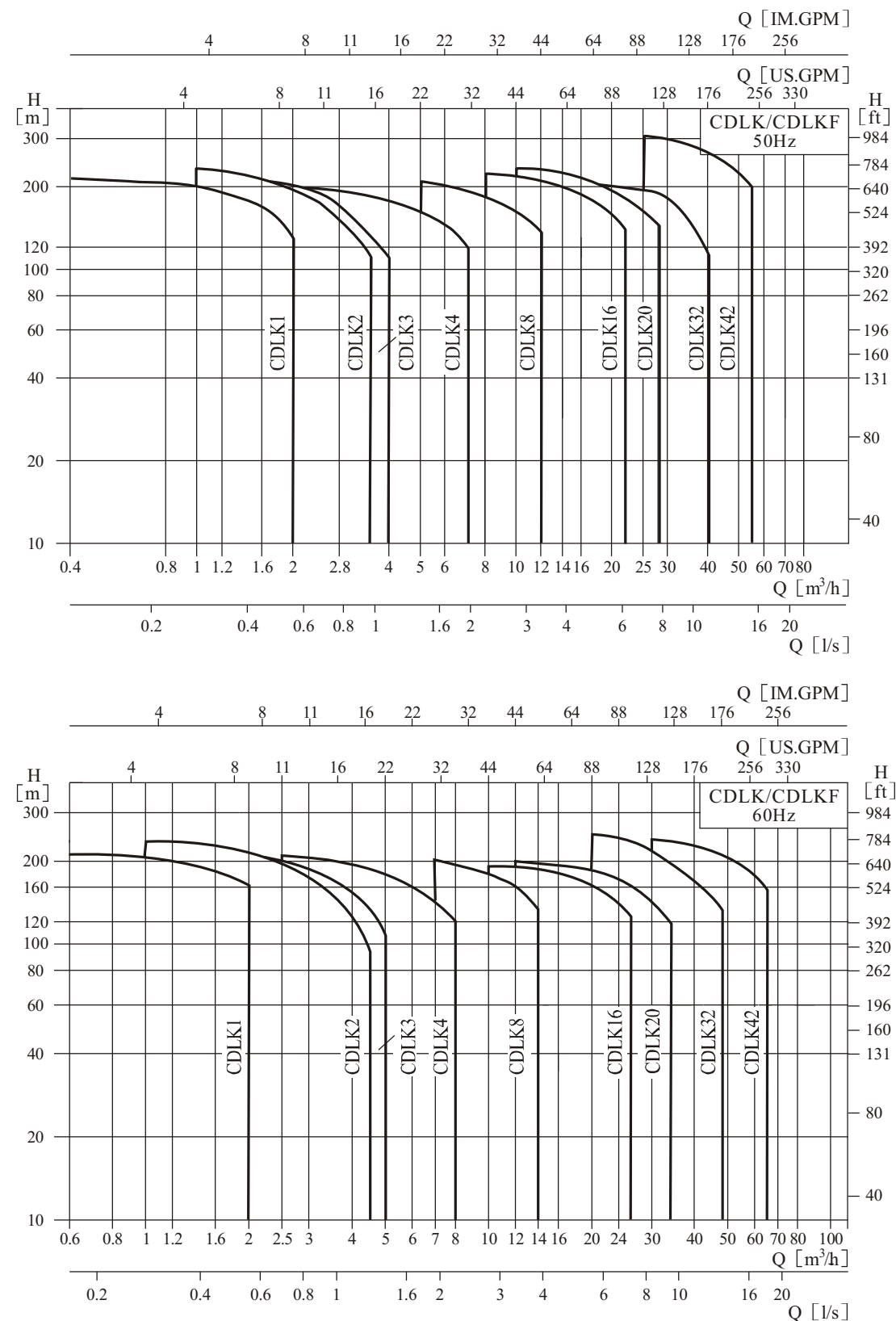
General Data

Performance scope	3
Product range	4
Application	4
Performance curve	4
Motor	5
Pump	5
Definition of Model	5
Operation conditions	5
Max. Ambient temperature	5
Installation of pump	6
Scope of available products	6
Material	11

Technical Data

CDLK/CDLK1,50Hz	13
CDLK/CDLK2,50Hz	15
CDLK/CDLK3,50Hz	17
CDLK/CDLK4,50Hz	19
CDLK/CDLK8,50Hz	21
CDLK/CDLK16,50Hz	23
CDLK/CDLK20,50Hz	25
CDLK/CDLK32,50Hz	27
CDLK/CDLK42,50Hz	29
CDLK/CDLK1,60Hz	31
CDLK/CDLK2,60Hz	33
CDLK/CDLK3,60Hz	35
CDLK/CDLK4,60Hz	37
CDLK/CDLK8,60Hz	39
CDLK/CDLK16,60Hz	41
CDLK/CDLK20,60Hz	43
CDLK/CDLK32,60Hz	45
CDLK/CDLK42,60Hz	47

● Performance scope



● Product range

Description	CDLK1	CDLK2	CDLK3	CDLK4	CDLK8	CDLK16	CDLK20	CDLK32	CDLK42
50Hz									
Rated flow [m³/h]	1	2	3	4	8	16	20	32	42
Rated flow [l/s]	0.28	0.56	0.83	1.1	2.2	4.4	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
Max. Pressure [bar]	21	23	22	21	21	22	23	26	30
Motor Power [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
Temperature range [°C]	-15 ~ +120								
Max. Efficiency[%]	44	46	54	57	62	66	69	73	75
60Hz									
Rated flow [m³/h]	1	2	3	4	8	16	20	32	42
Rated flow [l/s]	0.28	0.56	0.83	1.1	2.2	4.4	5.6	8.9	11.7
Flow range [m³/h]	0.6~2	1~4.5	1.5~5	2.5~8	7~14	10~26	12~34	20~48	30~65
Flow range [l/s]	0.17~0.56	0.28~1.25	0.42~1.4	0.7~2.2	1.9~3.9	2.8~7.2	3.3~9.4	5.5~13.3	8.3~18
Max. Pressure [bar]	22	23.5	23	21	20	20	20	25	26
Motor power [kW]	0.37~3	0.55~4	0.37~4	0.75~5.5	1.5~11	4~18.5	4~18.5	3~30	5.5~45
Temperature range [°C]	-15 ~ +120								
Max. Efficiency[%]	44	46	54	57	62	66	69	73	75
Pipe connection									
Pipe thread	G1 1/4"	G1 1/4"	G1 1/4"	G1 1/4"	G2"	G2"	G2"		
DIN Flange								DN65	DN80

● Application

CDLK/CDLK F is used for conveying cooling liquid, lubricating liquid and condensation water of machine tools, industrial cleaning equipment or other cases that application of immersed pump is suitable, and is applicable to various temperature, flow and pressure ranges. CDLK F is applicable to low-corrosive liquid.

● Concretely, it is applicable to electric spark, lathe, grinding machine, processing center, cooling devices, industrial cleaning equipment, filtering system etc.

● Performance curve

- 1、All curves are based on the measured values of 50Hz: constant motor speed 2900r/min, 60 Hz: constant motor speed 3500 r/min;
- 2、The allowable tolerance of the curve complies with ISO9906 Annex A.
- 3、For measurement, air-free water with temperature 20°C and kinematical viscosity 1 mm²/s.
- 4、The pump application is in reference to performance scope of Heavy line to prevent overheating due to too low flow and motor overload due to too high flow-rate Etc.

● Motor

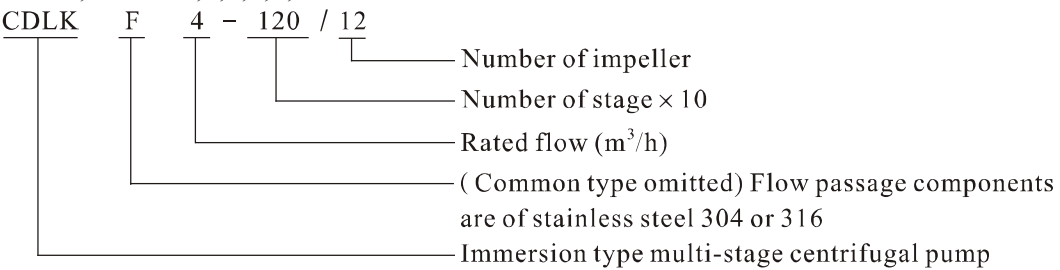
- The motor is fully-sealed, air-cooling standard motor 2 poles
 - Protection class: IP55
 - Insulation class: F
 - Standard voltage, 50Hz: 1 × 220 - 230/240V
3 × 200/346V
3 × 220 - 240/380 - 415V
3 × 220 - 255/380 - 440V
 - Standard voltage, 60 Hz: 3 × 200 - 230/346 - 440V
3 × 220 - 255/380 - 440V
3 × 220 - 277/380 - 480V
- Motors for other voltages can be supplied according to the requirement.
Single phase motors with 0.37~2.2kW are available.

● Pump

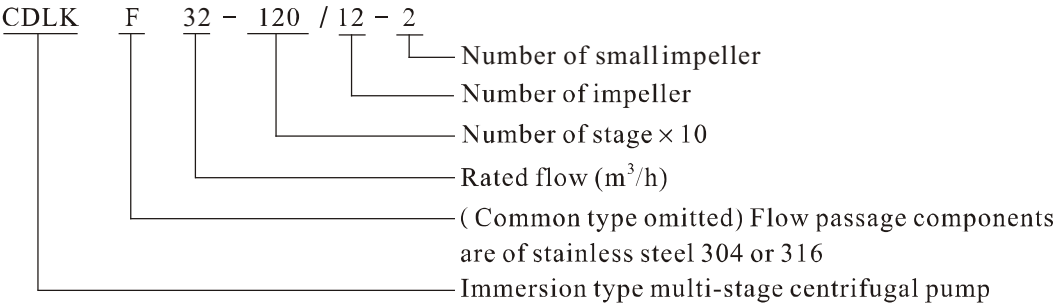
CDLK/CDLKF is non-self priming multi-stage centrifugal pump installed with standard motor. The motor shaft is directly connected with the pump shaft through coupling. According to the requirement, the pump can be equipped with intelligent protector, which effectively protects pump from dry rotation, phase lack, overload etc. In order to meet the requirement of installation depth of the water tank or vessel, it is possible to install cavity body for changing length of the pump. Length for different number of stages is shown in the dimensions & weight table and the table of products supplying scope.

● Definition of Model

CDLK,CDLKF1,2,3,4,8,16 and 20



CDLK,CDLKF32 and 42

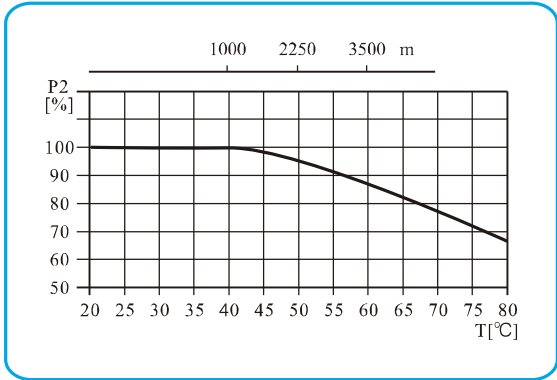


● Operation conditions

- Thin, clean non-explosive liquid without solid grains and fibres; can be used for conveying of water, cooling water solution and cutting lubricating liquid.
- Liquid temperature:
Normal temperature type : -15℃ ~ +70℃
Warm water type: -15℃ ~ +120℃

● Max. Ambient temperature

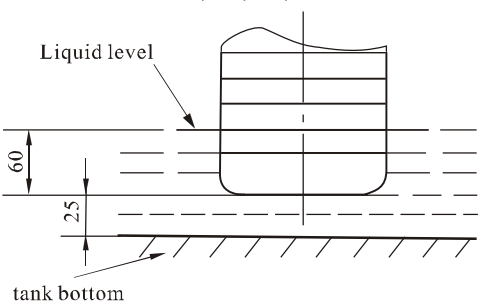
When the pump operates under ambient temperature higher than 40℃ or under altitude higher than 1000m, because of low air density and poor cooling effects, the motor output power P2 will be decreased to certain extent. If the pump is operated under the above-said conditions, it should be equipped with motor of higher power.



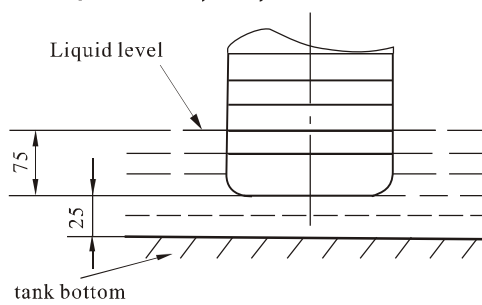
● Installation of pump

The dimensions shown in the below drawing are the minimum installation ones:

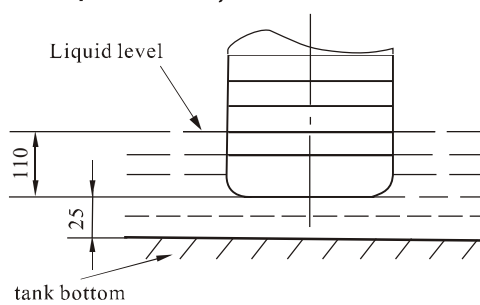
CDLK/CDLKF1, 2, 3, 4



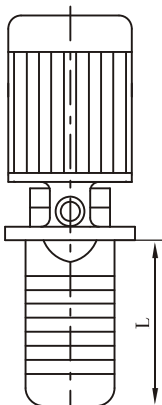
CDLK/CDLKF8, 16, 20



CDLK/CDLKF32, 42



● Installation sketch



● Scope of available products

		Number of impellers																										B (mm)				
		2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25	27	30	33	36									
Diagram	Stages																															
CDLK 1 50Hz	Number of cavities × 10	20	●																								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				
		170	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●								393				
		190	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●						429				
		210	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●				465				
	230	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●		501					
	250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	537				
	270	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	573			
	300	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	627		
	330	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	681	
	360	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	735
Motor (kW)		0.37					0.55					0.75					1.1					1.5					2.2					

● Basic Type ○ Available on request

Diagram \ Stages		Number of impellers															B (mm)
		2	3	4	5	6	7	9	11	13	15	18	22	26			
CDLK2 50Hz	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		
Motor (kW)		0.37		0.55		0.75		1.1		1.5		2.2		3.0			

E.g.: pump model:CDLK2-260/5

● Scope of available products

Diagram	Stages	Number of impellers																								B (mm)
		2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25	27	29	31	33	36		
CDLK3 50Hz	20	●																							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	
	170	○	○	○	○	○	○	○	○	○	○	○	○	○	●										393	
	190	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●									429	
	210	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●								465	
	230	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●							501	
	250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●						537	
	270	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●					573	
	290	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●			609	
	310	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●		645	
	330	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	681	
	360	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	735
Motor (kW)		0.37			0.55			0.75			1.1			1.5			2.2			3						

		Number of impellers																		B (mm)
		2	3	4	5	6	7	8	10	12	14	16	19	22						
Diagram	Stages																			
CDLK4 50Hz	Number of cavities × 10	20	●																148	
		30	○	●															175	
		40	○	○	●														202	
		50	○	○	○	●													229	
		60	○	○	○	○	●												256	
		70	○	○	○	○	○	●											283	
		80	○	○	○	○	○	○	●										310	
		100	○	○	○	○	○	○	○	●									364	
		120	○	○	○	○	○	○	○	○	●								418	
		140	○	○	○	○	○	○	○	○	○	●							472	
		160	○	○	○	○	○	○	○	○	○	○	●						526	
		190	○	○	○	○	○	○	○	○	○	○	○	●					607	
		220	○	○	○	○	○	○	○	○	○	○	○	○	○	●			688	
Motor (kW)		0.37	0.55	0.75	1.1		1.5		2.2		3.0		4.0							

● Scope of available products

Diagram		Stages	Number of impellers													B (mm)
			2	3	4	5	6	7	8	10	12	14	17			
CDLK20 50Hz	Number of cavities × 10	20	●													180
		30	○	●												225
		40	○	○	●											270
		50	○	○	○	●										315
		60	○	○	○	○	●									360
		70	○	○	○	○	○	●								405
		80	○	○	○	○	○	○	●							450
		100	○	○	○	○	○	○	○	●						540
		120	○	○	○	○	○	○	○	○	●					630
		140	○	○	○	○	○	○	○	○	○	●				720
		170	○	○	○	○	○	○	○	○	○	○	○	●		855
Motor (kW)		2.2	4.0	5.5		7.5		11		15		18.5				

		Stages	Number of impellers														B (mm)
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	
CDLK 32 50Hz	Number of cavities × 10	10	●														186
		20	○	●													256
		30	○	○	●												326
		40	○	○	○	●											396
		50	○	○	○	○	●										466
		60	○	○	○	○	○	●									536
		70	○	○	○	○	○	○	●								606
		80	○	○	○	○	○	○	○	●							676
		90	○	○	○	○	○	○	○	○	●						746
		100	○	○	○	○	○	○	○	○	○	●					816
		110	○	○	○	○	○	○	○	○	○	○	●				886
		120	○	○	○	○	○	○	○	○	○	○	○	●			956
		130	○	○	○	○	○	○	○	○	○	○	○	○	●		1026
		140	○	○	○	○	○	○	○	○	○	○	○	○	○	●	1096

Diagram		Stages	Number of impellers														B (mm)
			2	3	4	5	6	8	10	12	14	16	18	20			
CDLK8 50Hz	Number of cavities × 10	20	●													150	
		30	○	●												180	
		40	○	○	●											210	
		50	○	○	○	●										240	
		60	○	○	○	○	●									270	
		80	○	○	○	○	○	●								330	
		100	○	○	○	○	○	○	●							390	
		120	○	○	○	○	○	○	○	●						450	
		140	○	○	○	○	○	○	○	○	●					510	
		160	○	○	○	○	○	○	○	○	○	●				570	
		180	○	○	○	○	○	○	○	○	○	○	●			630	
		200	○	○	○	○	○	○	○	○	○	○	○	○	●	690	
Motor { kW }		0.75	1.1	1.5	2.2		3.0		4.0		5.5		7.5				

Diagram	Stages	Number of impellers												B (mm)
		2	3	4	5	6	7	8	10	12	14	16		
CDLK16 50Hz	Number of cavities × 10	20	●											180
		30	○	●										225
		40	○	○	●									270
		50	○	○	○	●								315
		60	○	○	○	○	●							360
		70	○	○	○	○	○	●						405
		80	○	○	○	○	○	○	●					450
		100	○	○	○	○	○	○	○	●				540
		120	○	○	○	○	○	○	○	○	●			630
		140	○	○	○	○	○	○	○	○	○	●		720
		160	○	○	○	○	○	○	○	○	○	○	●	810
Motor (kW)		2.2	3.0	4.0	5.5	7.5			11		15			

● Scope of available products

Diagram \ Stages		Number of impellers												B (mm)
		2	3	4	5	6	7	9	11	13	15	18		
CDLK2 60Hz	Number of cavities x 10	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
Motor (kW)		0.55	0.75	1.1			1.5	2.2		3.0		4.0		

Diagram		Stages	Number of impellers																				B (mm)						
			2	3	4	5	6	7	8	9	10	11	12	13	15	17	19	21	23	25									
CDLK3 60Hz	Number of cavities × 10	20	●																						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			
		170	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●								393			
		190	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●							429			
		210	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●						465			
		230	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●				501			
		250	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●		537			
270	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	573				
290	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	609			
310	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	645		
330	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	681	
360	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	735
Motor (kW)		0.37	0.55	0.75	1.1		1.5		2.2		3		4																

		Number of impellers														B (mm)
		2	3	4	5	6	7	8	10	12	14	16				
Diagram	Stages															
CDLK4 60Hz	Number of cavities × 10	20	●											148		
		30	○	●									175			
		40	○	○	●								202			
		50	○	○	○	●							229			
		60	○	○	○	○	●						256			
		70	○	○	○	○	○	●					283			
		80	○	○	○	○	○	○	●				310			
		100	○	○	○	○	○	○	○	●			364			
		120	○	○	○	○	○	○	○	○	●		418			
		140	○	○	○	○	○	○	○	○	○	●	472			
		160	○	○	○	○	○	○	○	○	○	○	●	526		
		190	○	○	○	○	○	○	○	○	○	○	○	●	607	
		220	○	○	○	○	○	○	○	○	○	○	○	○	●	688
Motor (kW)		0.75	1.1	1.5	2.2		3.0		4.0		5.5					

Diagram		Stages	Number of impellers										B (mm)
			2	3	4	5	6	8	10	12	14		
CDLK8 60Hz	Number of cavities × 10	20	●									150	
		30	○	●								180	
		40	○	○	●							210	
		50	○	○	○	●						240	
		60	○	○	○	○	●					270	
		80	○	○	○	○	○	●				330	
		100	○	○	○	○	○	○	●			390	
		120	○	○	○	○	○	○	○	●		450	
		140	○	○	○	○	○	○	○	○	●	510	
		160	○	○	○	○	○	○	○	○	○	●	570
		180	○	○	○	○	○	○	○	○	○	●	630
		200	○	○	○	○	○	○	○	○	○	●	690
Motor (kW)			1.5	2.2	3.0	4.0	5.5	7.5	11				

●Basic Type ○Available on request

E.g.: pump model:CDLK8-200/5

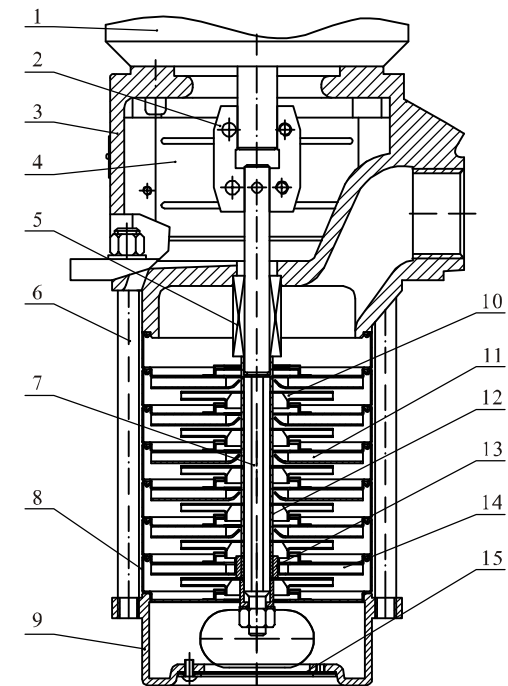
Scope of available products

		Number of impellers								B (mm)	
		2	3	4	5	6	7	8	10		
Diagram	Stages										
CDLK16 60Hz	Number of cavities × 10	20	●							180	
		30	○	●						225	
		40	○	○	●					270	
		50	○	○	○	●				315	
		60	○	○	○	○	●			360	
		70	○	○	○	○	○	●		405	
		80	○	○	○	○	○	○	●	450	
		100	○	○	○	○	○	○	○	●	540
		120	○	○	○	○	○	○	○	●	630
		140	○	○	○	○	○	○	○	●	720
		160	○	○	○	○	○	○	○	●	810
Motor (kW)		4	5.5	7.5	11		15		18.5		

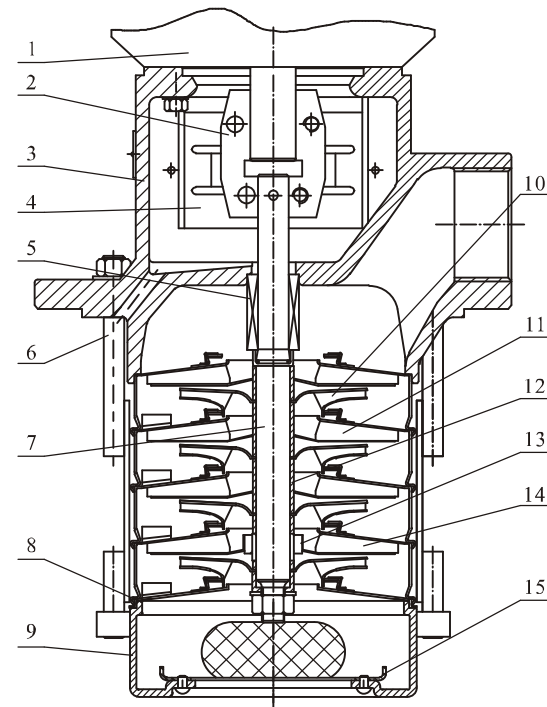
		Stages	Number of impellers							B (mm)	
			2	3	4	5	6	7	8		10
Diagram CDLK20 60Hz	Number of cavities × 10	20	●								180
		30	○	●							225
		40	○	○	●						270
		50	○	○	○	●					315
		60	○	○	○	○	●				360
		70	○	○	○	○	○	●			405
		80	○	○	○	○	○	○	●		450
		100	○	○	○	○	○	○	○	●	540
		120	○	○	○	○	○	○	○	○	630
		140	○	○	○	○	○	○	○	○	720
		170	○	○	○	○	○	○	○	○	855
Motor (kW)		4.0	5.5	7.5	11		15		18.5		

Diagram	Stages	Number of impellers										B (mm)
		1	2	3	4	5	6	7	8	9	10	
CDLK32 60Hz	Number of cavities × 10	10	●									186
		20	○	●								256
		30	○	○	●							326
		40	○	○	○	●						396
		50	○	○	○	○	●					4

Section drawing
CDLK/CDLKF1,2,3,4



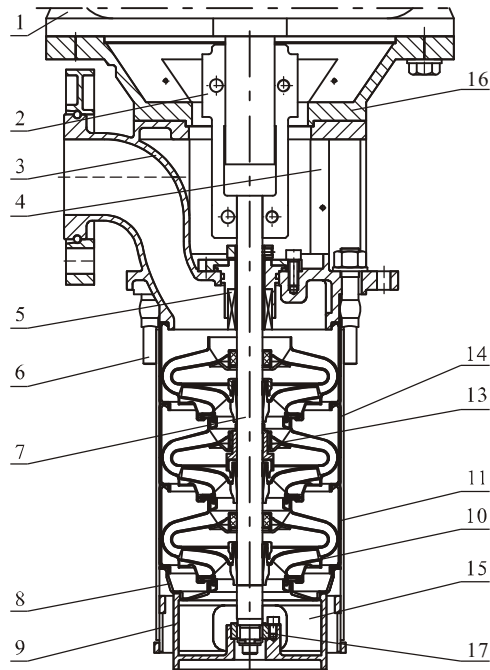
Section drawing
CDLK/CDLKF8,16,20



Material

NO.	Name	Material	AISI/ASTM
1	Motor		
2	Coupling	Carbon steel	
4	Coupling guard	Stainless steel	AISI304
5	Mechanical seal		
6	Straps	Stainless steel	AISI304
7	Shaft	Stainless steel	AISI316
8	Inducer	Stainless steel	AISI304
9	Suction head	Stainless steel	AISI304
10	Impeller	Stainless steel	AISI304
11	Diffuser	Stainless steel	AISI304
12	Impeller sleeve	Stainless steel	AISI304
13	Bearing	Tungsten carbide	
14	Support diffuser	Stainless steel	AISI304
15	Strainer	Stainless steel	AISI304
CDLK			
3	Pump head	Cast iron	ASTM25B
CDLKF			
3	Pump head	Stainless steel	AISI304

Section drawing
CDLK/CDLKF32,42

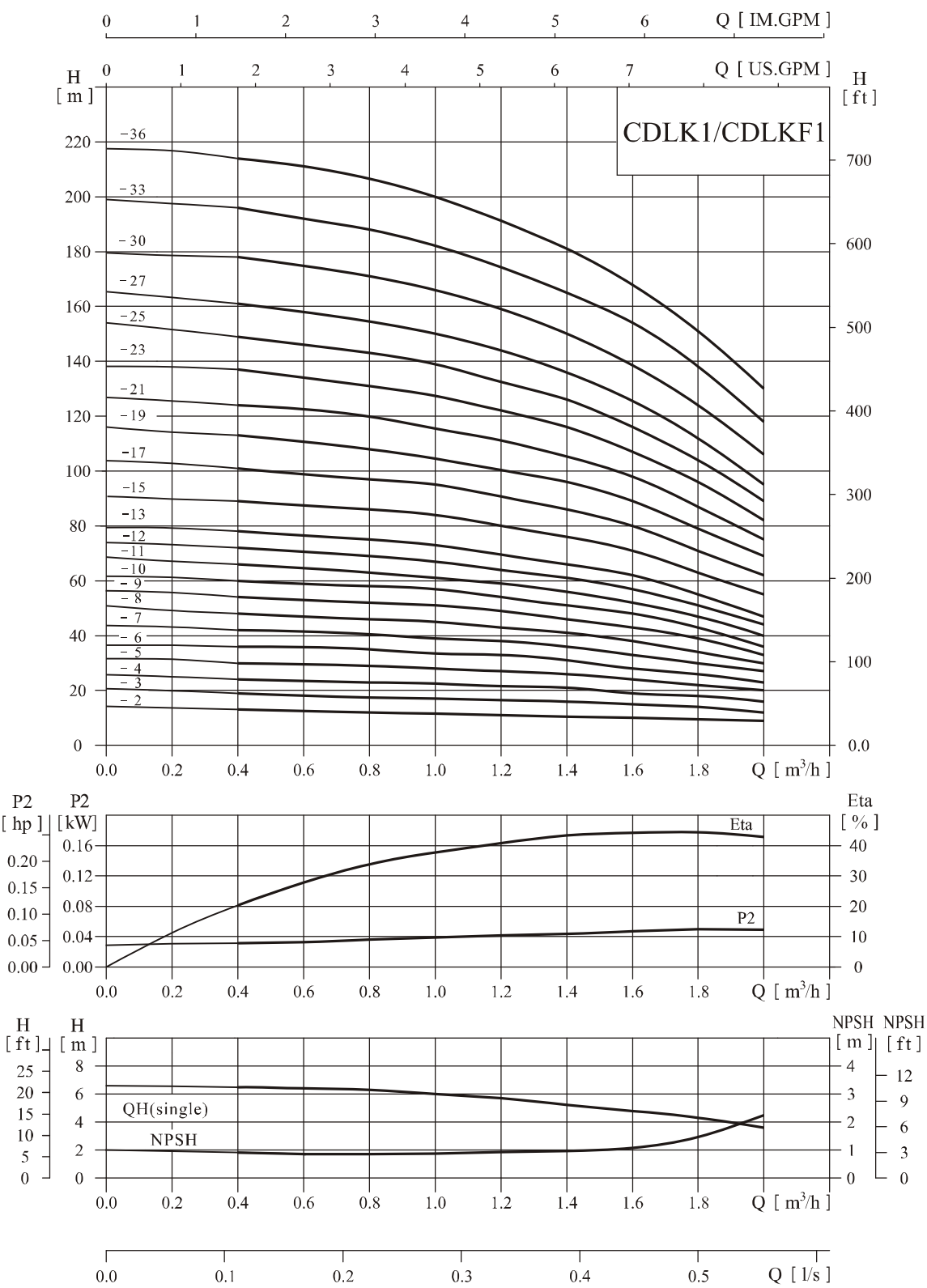


Material

NO.	Name	Material	AISI/ASTM
1	Motor		
2	Coupling	Carbon steel	
4	Coupling guard	Stainless steel	AISI304
5	Mechanical seal		
6	Straps	Stainless steel	AISI304
7	Shaft	Stainless steel	AISI316 AISI304 AISI431
8	Inducer	Stainless steel	AISI304
9	Suction head	Stainless steel	AISI304
10	Impeller	Stainless steel	AISI304
11	Diffuser	Stainless steel	AISI304
13	Bearing	Tungsten carbide	
14	Support diffuser	Stainless steel	AISI304
15	Strainer	Stainless steel	AISI304
16	Crossover flange	Cast iron	ASTM25B
17	Bottom bearing	Tungsten carbide	
CDLK			
3	Pump head	Cast iron	ASTM25B
CDLKF			
3	Pump head	Stainless steel	AISI304

● Performance curve

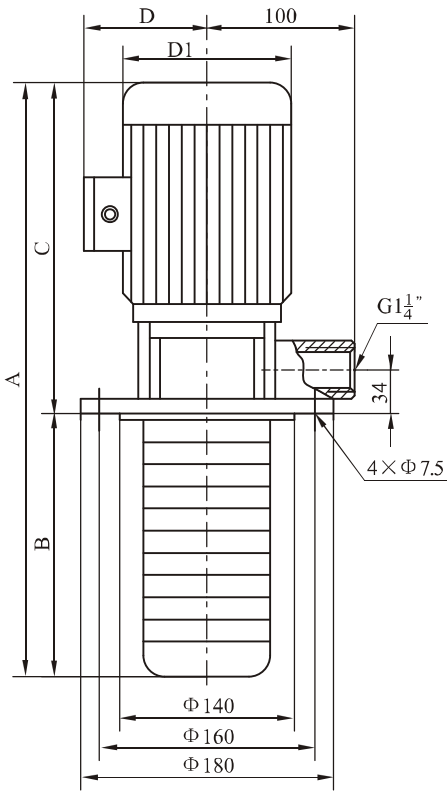
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
	(kW)	(hp)										
CDLK1-20/2	0.37	0.5	H (m)	13	12.5	12	11.5	11	10.5	10	9.5	9
CDLK1-30/3	0.37	0.5		19	18	17.5	17	16.5	16	15	14	12
CDLK1-40/4	0.37	0.5		24	23.5	23	22.5	21.5	21	19	18	16
CDLK1-50/5	0.37	0.5		30	29.6	29	28	27	26	24	22	20
CDLK1-60/6	0.37	0.5		36	35.5	35	33.5	33	31	28	26	23
CDLK1-70/7	0.37	0.5		42	41	40.5	39	38	36	33	30	27
CDLK1-80/8	0.55	0.75		48	47	46	45	43	41	38	34	30
CDLK1-90/9	0.55	0.75		54	53	52	51	49	46	43	39	33
CDLK1-100/10	0.55	0.75		60	59	58	57	54	51	48	43	36
CDLK1-110/11	0.55	0.75		66	65	63	61	59	56	52	47	40
CDLK1-120/12	0.75	1	H (m)	72	71	69	67	64	61	57	51	44
CDLK1-130/13	0.75	1		78	77	75	73	69	66	62	55	47
CDLK1-150/15	0.75	1		89	88	86	84	79	76	71	63	55
CDLK1-170/17	1.1	1.5		101	99	97	95	89	86	80	71	62
CDLK1-190/19	1.1	1.5		113	110	108	106	99	96	89	79	69
CDLK1-210/21	1.1	1.5		124	122	120	117	110	106	98	87	75
CDLK1-230/23	1.1	1.5		137	133	131	128	121	116	107	96	82
CDLK1-250/25	1.5	2		149	145	143	139	131	126	116	104	89
CDLK1-270/27	1.5	2		161	157	155	150	141	136	125	112	95
CDLK1-300/30	1.5	2		178	175	171	166	157	150	139	124	106
CDLK1-330/33	2.2	3	H (m)	196	192	188	183	173	165	154	137	118
CDLK1-360/36	2.2	3		214	210	205	200	190	181	169	151	130

● Installation sketch



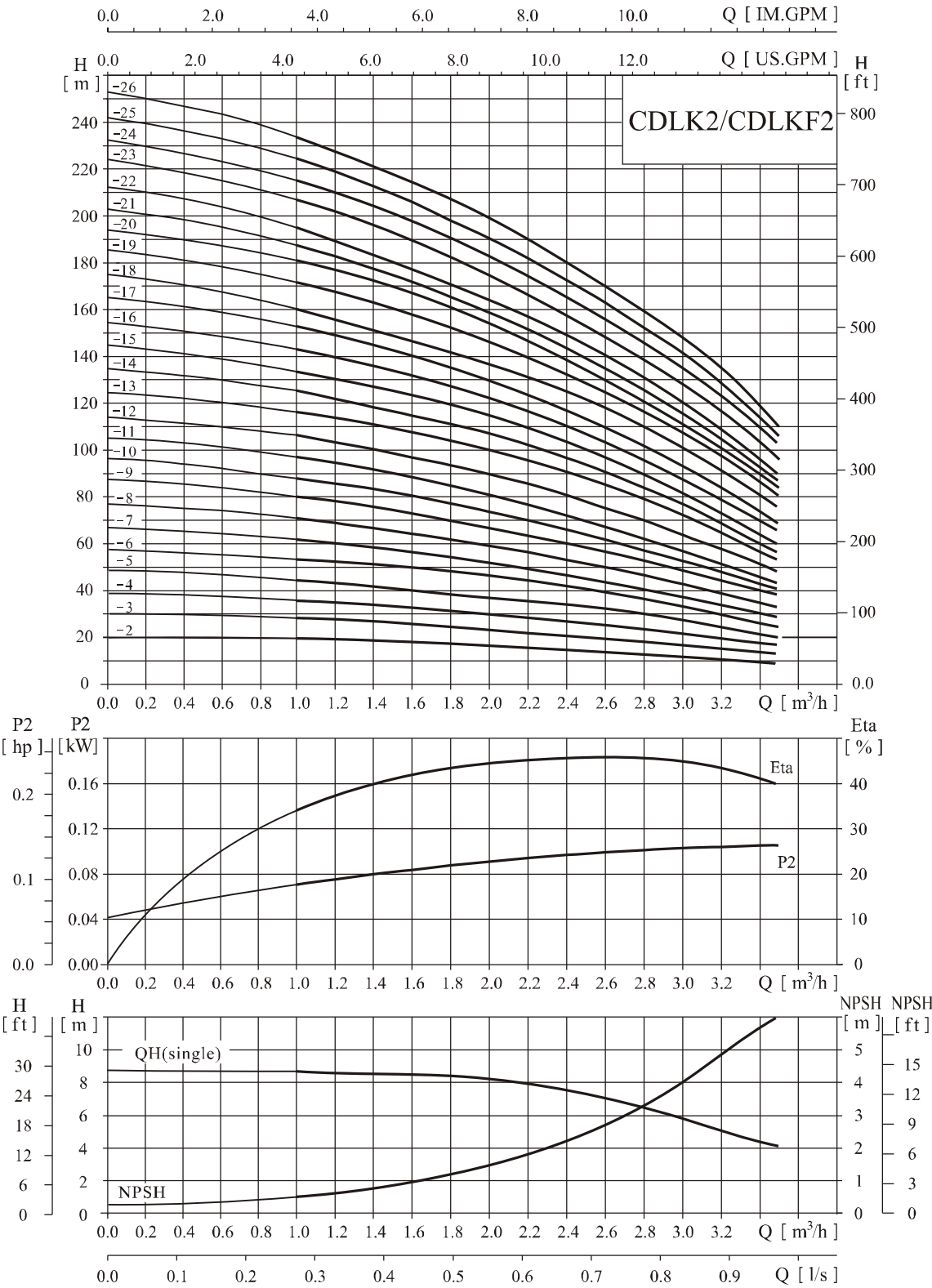
● Size and weight

Model	Size (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	15
CDLK1-50/5	507	177	330	117	148	16
CDLK1-60/6	525	195	330	117	148	16
CDLK1-70/7	543	213	330	117	148	16
CDLK1-80/8	561	231	330	117	148	17
CDLK1-90/9	579	249	330	117	148	17
CDLK1-100/10	597	267	330	117	148	17
CDLK1-110/11	615	285	330	117	148	17
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	20
CDLK1-170/17	751	393	358	142	170	22
CDLK1-190/19	787	429	358	142	170	22
CDLK1-210/21	823	465	358	142	170	23
CDLK1-230/23	859	501	358	142	170	23
CDLK1-250/25	950	537	413	155	190	30
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 the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

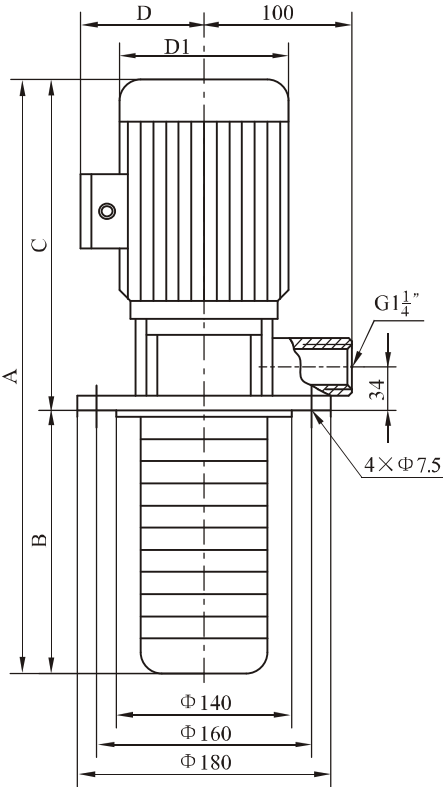
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5
	(kW)	(hp)									
CDLK2-20/2	0.37	0.5	H (m)	18	17	16	15	13	12	10	8
CDLK2-30/3	0.37	0.5		27	26	24	22	20	18	15	12
CDLK2-40/4	0.55	0.75		36	35	33	30	26	24	20	16
CDLK2-50/5	0.55	0.75		45	43	40	37	33	30	24	20
CDLK2-60/6	0.75	1		53	52	50	45	40	36	30	24
CDLK2-70/7	0.75	1		63	61	57	52	47	41	35	28
CDLK2-90/9	1.1	1.5		80	78	73	67	61	54	45	37
CDLK2-110/11	1.1	1.5		98	95	89	82	73	64	54	44
CDLK2-130/13	1.5	2		116	114	106	98	89	78	65	52
CDLK2-150/15	1.5	2		134	130	123	112	100	90	73	60
CDLK2-180/18	2.2	3		161	157	148	136	121	108	91	76
CDLK2-220/22	2.2	3		197	192	180	165	148	130	110	90
CDLK2-260/26	3.0	4		232	228	214	198	179	158	130	110

● Installation sketch



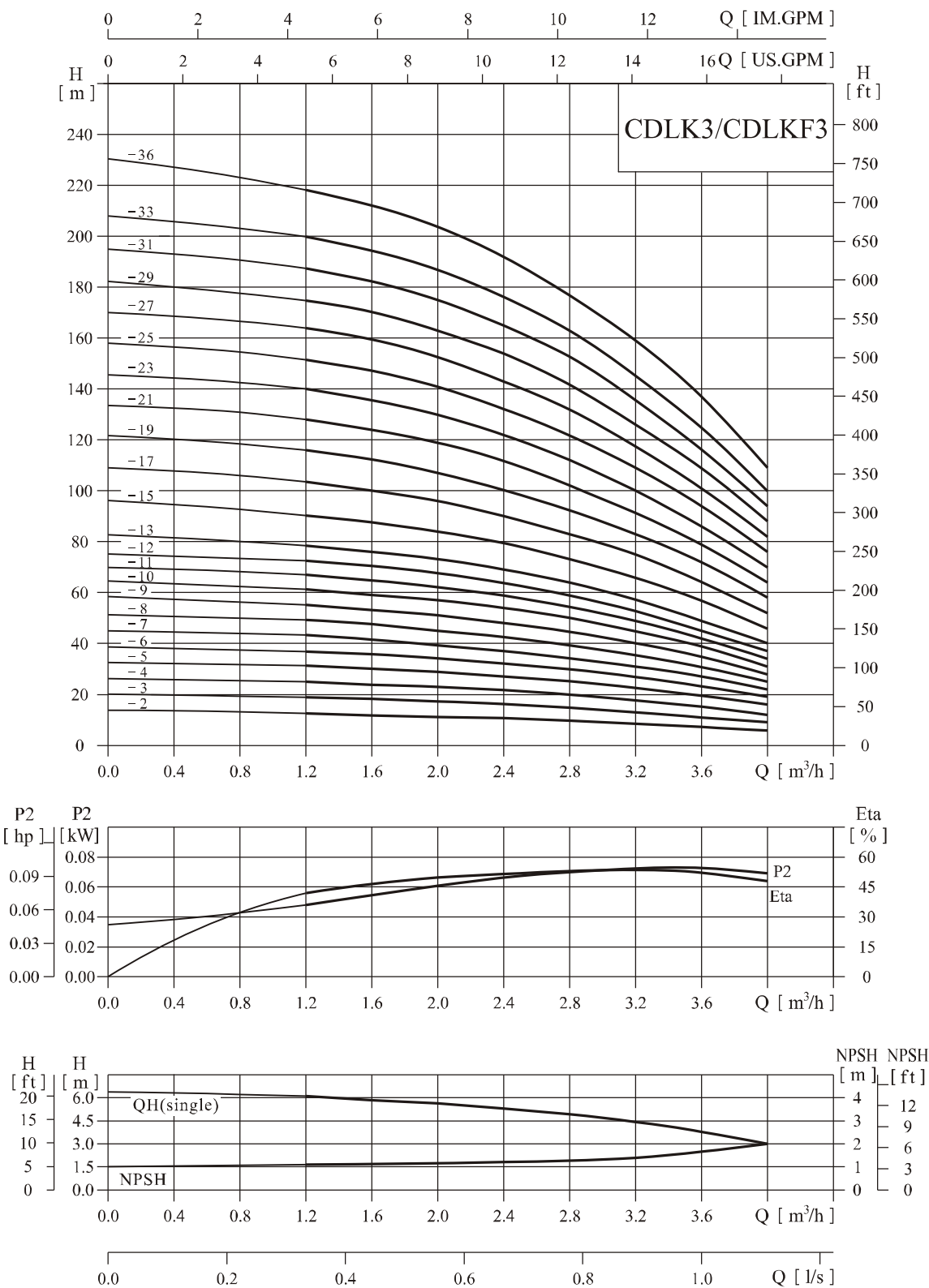
● Size and weight

Model	Size (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	17
CDLK2-50/5	507	177	330	117	148	17
CDLK2-60/6	553	195	358	142	170	20
CDLK2-70/7	571	213	358	142	170	20
CDLK2-90/9	607	249	358	142	170	22
CDLK2-110/11	643	285	358	142	170	22
CDLK2-130/13	734	321	413	155	190	29
CDLK2-150/15	770	357	413	155	190	29
CDLK2-180/18	824	411	413	155	190	33
CDLK2-220/22	896	483	413	155	190	33
CDLK2-260/26	1033	555	478	165	197	41

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

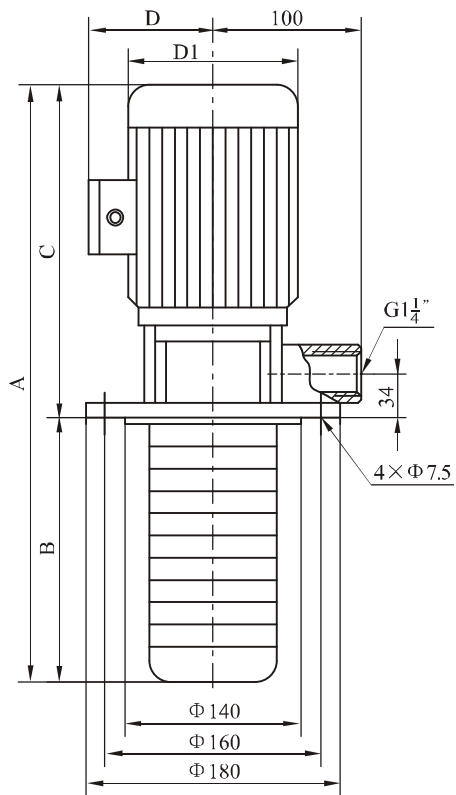
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
	(kW)	(hp)										
CDLK3-20/2	0.37	0.5		12.5	11.5	11	10.5	10	9	8	7	6
CDLK3-30/3	0.37	0.5		19	18.5	17.5	16.5	15	14	13	11	9
CDLK3-40/4	0.37	0.5		25	24	23	21.5	20	19	18	15	12
CDLK3-50/5	0.37	0.5		31	30	29	27	25	23	22	19	16
CDLK3-60/6	0.55	0.75		36	35	34	32	30	28	27	23	19
CDLK3-70/7	0.55	0.75		43	41	39	37	34	32	31	27	22
CDLK3-80/8	0.75	1		49	47	45	43	39	37	35	31	25
CDLK3-90/9	0.75	1		55	53	51	48	45	42	40	35	28
CDLK3-100/10	0.75	1		61	59	57	54	50	47	45	39	31
CDLK3-110/11	1.1	1.5		67	64	61	58	54	51	49	42	34
CDLK3-120/12	1.1	1.5		73	70	67	63	58	55	52	45	37
CDLK3-130/13	1.1	1.5		78	76	73	69	64	60	57	49	40
CDLK3-150/15	1.1	1.5		90	88	84	79	73	69	66	57	46
CDLK3-170/17	1.5	2		103	100	96	90	83	79	75	64	52
CDLK3-190/19	1.5	2		115	112	107	100	92	88	83	72	58
CDLK3-210/21	2.2	3		128	124	119	112	102	98	91	79	64
CDLK3-230/23	2.2	3		140	135	130	122	112	107	100	86	70
CDLK3-250/25	2.2	3		151	147	141	131	122	116	109	94	76
CDLK3-270/27	2.2	3		164	159	152	143	132	124	117	101	82
CDLK3-290/29	2.2	3		175	170	163	153	142	133	126	109	88
CDLK3-310/31	3.0	4		187	182	175	165	153	142	135	116	94
CDLK3-330/33	3.0	4		199	194	187	176	163	151	145	125	100
CDLK3-360/36	3.0	4		218	212	204	192	178	168	159	137	109

● Installation sketch



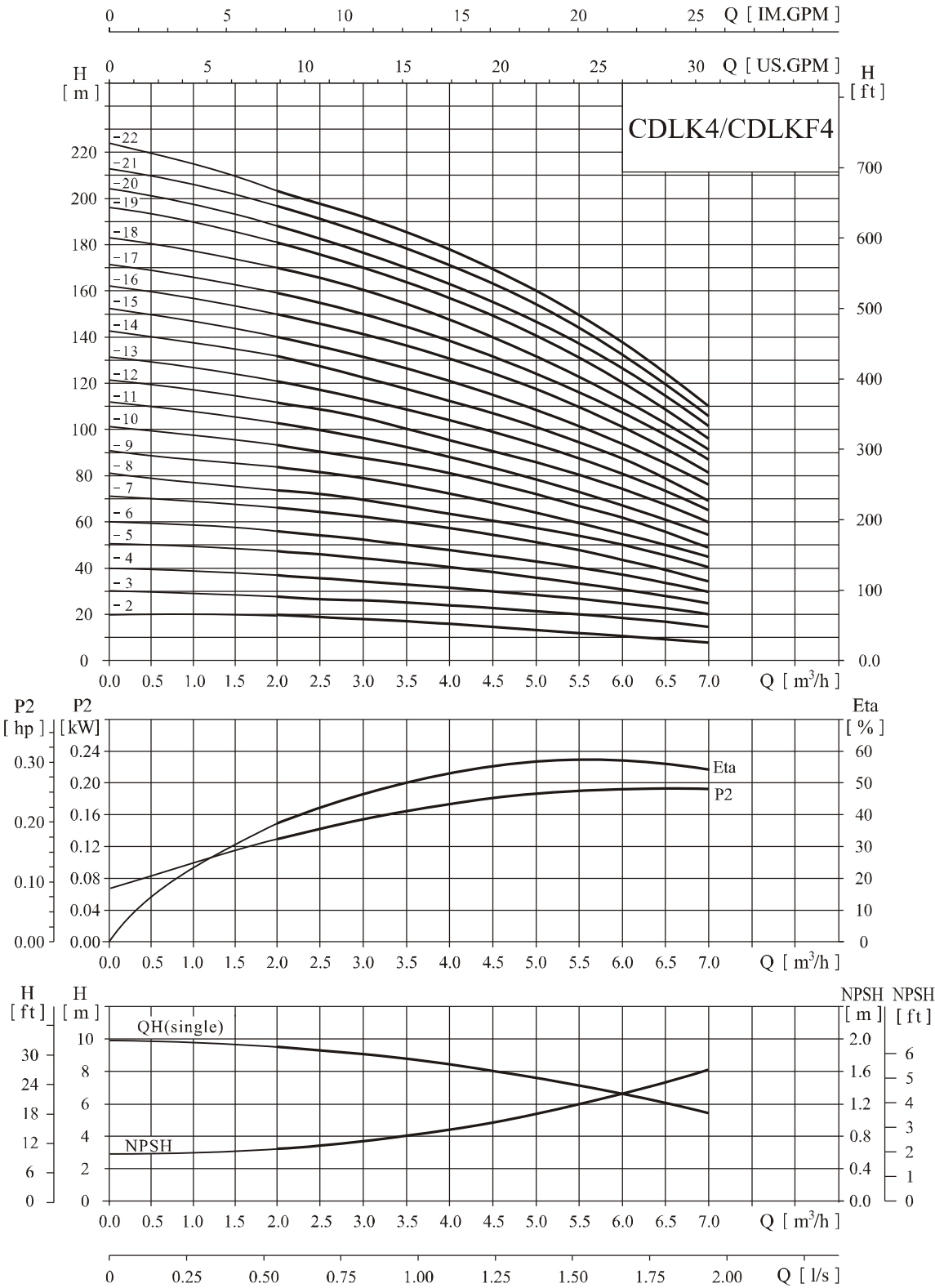
● Size and weight

Model	Size (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	15
CDLK3-50/5	507	177	330	117	148	16
CDLK3-60/6	525	195	330	117	148	17
CDLK3-70/7	543	213	330	117	148	17
CDLK3-80/8	589	231	358	142	170	19
CDLK3-90/9	607	249	358	142	170	20
CDLK3-100/10	625	267	358	142	170	20
CDLK3-110/11	643	285	358	142	170	21
CDLK3-120/12	661	303	358	142	170	21
CDLK3-130/13	679	321	358	142	170	22
CDLK3-150/15	715	357	358	142	170	22
CDLK3-170/17	806	393	413	155	190	28
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	32
CDLK3-250/25	950	537	413	155	190	33
CDLK3-270/27	986	573	413	155	190	33
CDLK3-290/29	1022	609	413	155	190	33
CDLK3-310/31	1123	645	478	165	197	40
CDLK3-330/33	1159	681	478	165	197	41
CDLK3-360/36	1213	735	478	165	197	41

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

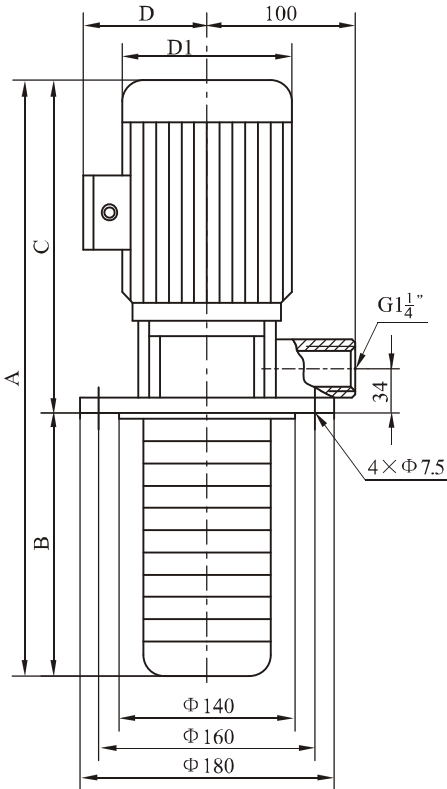
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
	(kW)	(hp)								
CDLK4-20/2	0.37	0.5	H (m)	19	18	17	15	13	12	8
CDLK4-30/3	0.55	0.75		28	27	26	24	20	18	13
CDLK4-40/4	0.75	1		38	36	34	32	27	24	19
CDLK4-50/5	1.1	1.5		47	45	43	40	34	31	23
CDLK4-60/6	1.1	1.5		56	54	52	48	41	37	28
CDLK4-70/7	1.5	2		66	63	61	56	48	43	33
CDLK4-80/8	1.5	2		74	72	70	64	55	50	38
CDLK4-100/10	2.2	3		96	90	87	81	71	62	48
CDLK4-120/12	2.2	3		114	108	104	95	85	75	58
CDLK4-140/14	3.0	4		136	126	122	112	101	89	68
CDLK4-160/16	3.0	4		152	144	140	129	115	101	78
CDLK4-190/19	4.0	5.5		183	171	168	153	137	122	93
CDLK4-220/22	4.0	5.5		211	200	192	178	160	138	108

● Installation sketch



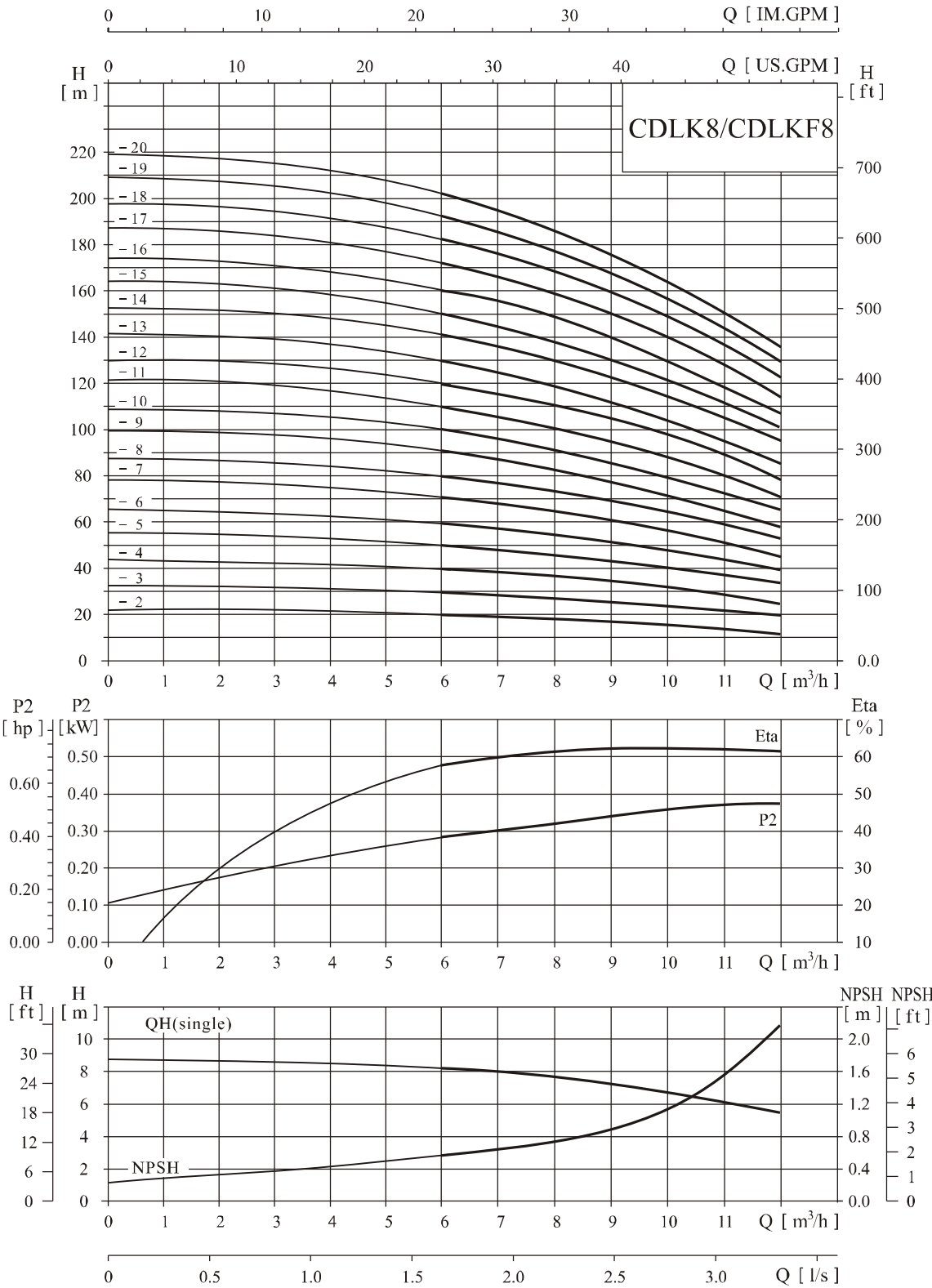
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK4-20/2	478	148	330	117	148	15
CDLK4-30/3	505	175	330	117	148	15
CDLK4-40/4	560	202	358	142	170	18
CDLK4-50/5	587	229	358	142	170	20
CDLK4-60/6	614	256	358	142	170	21
CDLK4-70/7	696	283	413	155	190	27
CDLK4-80/8	723	310	413	155	190	28
CDLK4-100/10	777	364	413	155	190	30
CDLK4-120/12	831	418	413	155	190	30
CDLK4-140/14	950	472	478	165	197	35
CDLK4-160/16	1004	526	478	165	197	35
CDLK4-190/19	1095	607	488	185	230	40
CDLK4-220/22	1176	688	488	185	230	41

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

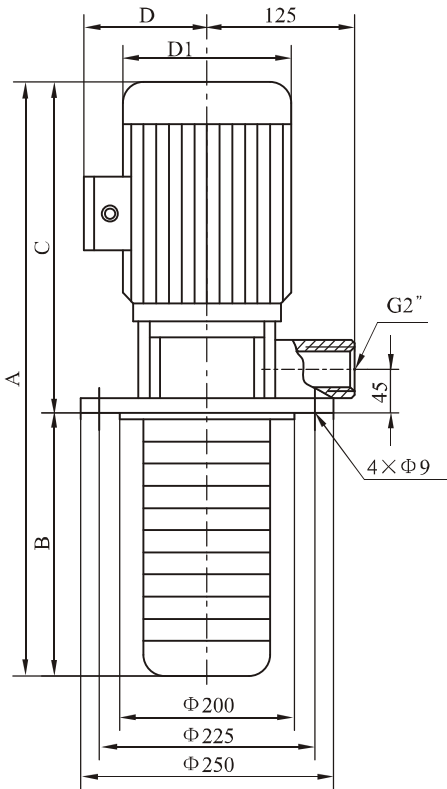
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	5	6	7	8	9	10	11	12
	(kW)	(hp)									
CDLK8-20/2	0.75	1	H (m)	20	19.5	19	18	17	16	14	13
CDLK8-30/3	1.1	1.5		30	29.5	28.5	27	25	24	21	19
CDLK8-40/4	1.5	2		41	39.5	38	36	34	32	28	26
CDLK8-50/5	2.2	3		52	50	48	45	42	40	36	32
CDLK8-60/6	2.2	3		62	60	57	54	51	48	43	39
CDLK8-80/8	3.0	4		83	80	77	73	69	65	58	52
CDLK8-100/10	4.0	5.5		104	100	97	92	87	81	73	65
CDLK8-120/12	4.0	5.5		124	120	116	111	104	92	87	78
CDLK8-140/14	5.5	7.5		145	141	136	130	122	113	102	92
CDLK8-160/16	5.5	7.5		166	161	156	148	139	130	118	106
CDLK8-180/18	7.5	10		187	182	175	167	157	146	134	120
CDLK8-200/20	7.5	10		208	202	195	186	175	163	150	135

● Installation sketch



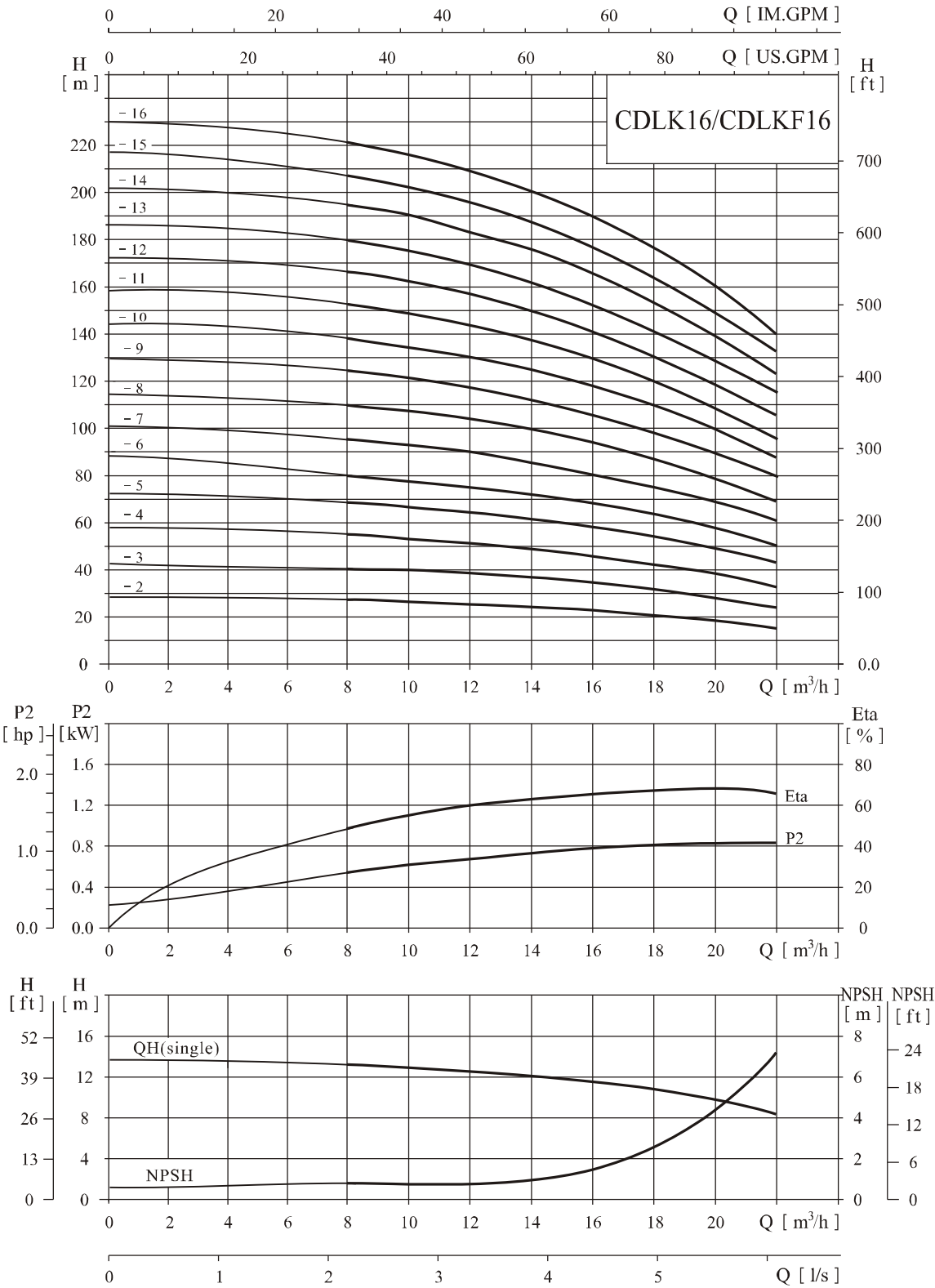
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK8-20/2	516	150	366	142	170	22
CDLK8-30/3	546	180	366	142	170	27
CDLK8-40/4	629	210	419	155	190	27
CDLK8-50/5	659	240	419	155	190	36
CDLK8-60/6	689	270	419	155	190	37
CDLK8-80/8	814	330	484	165	197	42
CDLK8-100/10	884	390	494	185	230	52
CDLK8-120/12	944	450	494	185	230	53
CDLK8-140/14	1059	510	549	210	260	75
CDLK8-160/16	1119	570	549	210	260	77
CDLK8-180/18	1179	630	549	210	260	85
CDLK8-200/20	1239	690	549	210	260	87

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

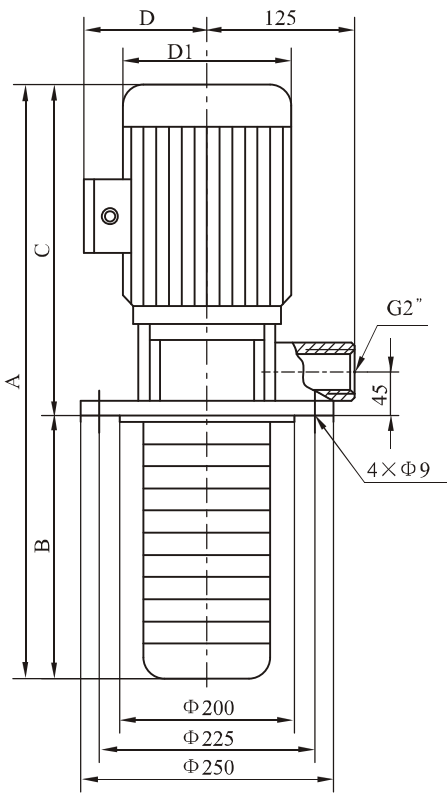
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	8	10	12	14	16	18	20	22
	(kW)	(hp)									
CDLK16-20/2	2.2	3	H (m)	27	26	25	24	22	21	19	16
CDLK16-30/3	3.0	4		41	40	38	37	34	32	29	25
CDLK16-40/4	4.0	5.5		54	53	52	49	46	43	38	34
CDLK16-50/5	5.5	7.5		68	67	65	62	58	54	48	43
CDLK16-60/6	5.5	7.5		82	80	78	74	70	64	58	52
CDLK16-70/7	7.5	10		96	95	91	87	82	76	68	61
CDLK16-80/8	7.5	10		110	108	104	99	94	86	77	70
CDLK16-100/10	11	15		138	136	131	125	118	109	97	87
CDLK16-120/12	11	15		166	162	157	150	141	130	116	105
CDLK16-140/14	15	20		194	190	184	175	166	152	136	122
CDLK16-160/16	15	20		222	217	210	200	189	174	156	140

● Installation sketch



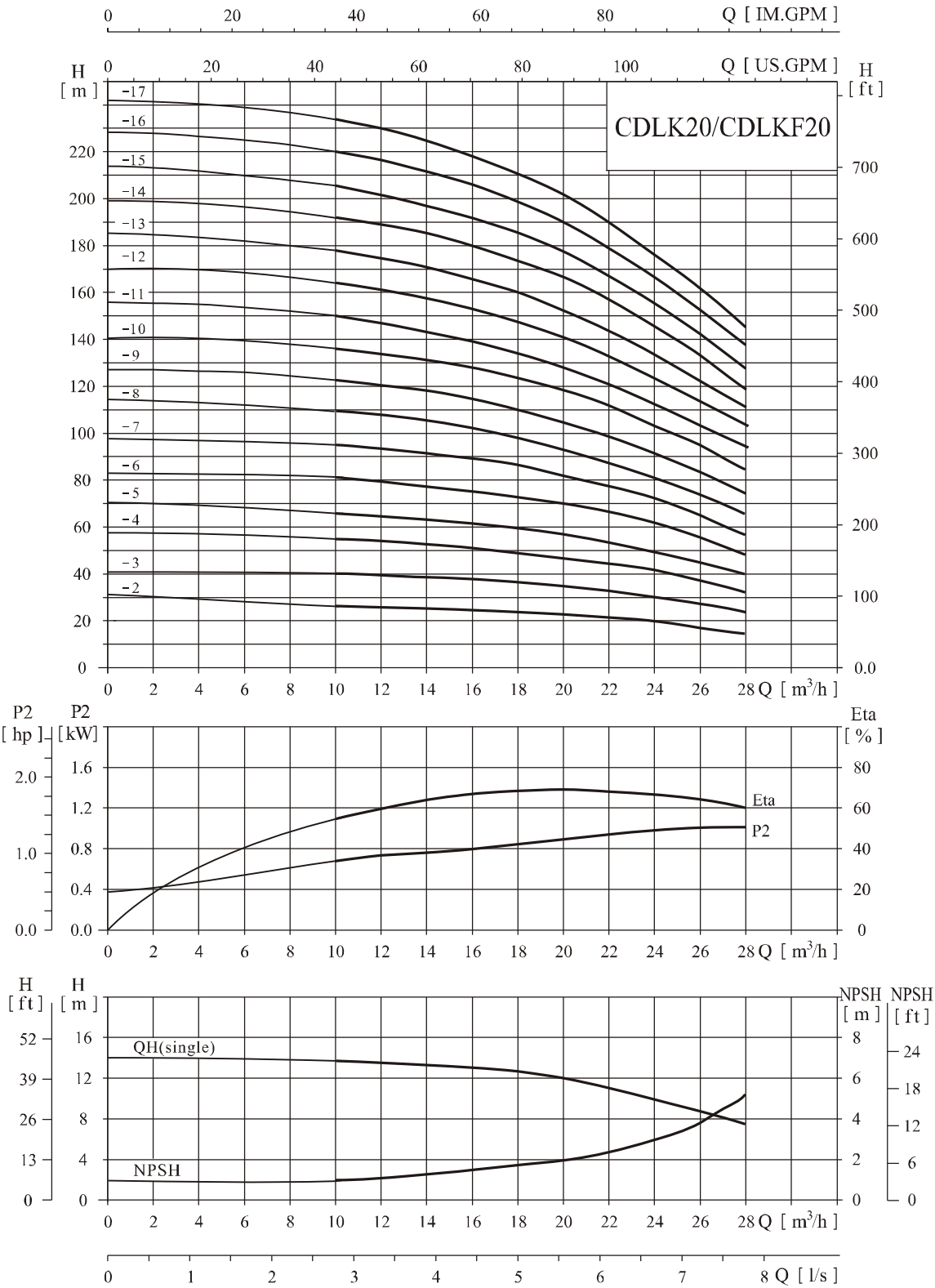
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK16-20/2	599	180	419	155	190	37
CDLK16-30/3	709	225	484	165	197	47
CDLK16-40/4	764	270	494	185	230	52
CDLK16-50/5	864	315	549	210	260	67
CDLK16-60/6	909	360	549	210	260	72
CDLK16-70/7	954	405	549	210	260	77
CDLK16-80/8	999	450	549	210	260	78
CDLK16-100/10	1240	540	700	255	330	135
CDLK16-120/12	1330	630	700	255	330	140
CDLK16-140/14	1420	720	700	255	330	155
CDLK16-160/16	1510	810	700	255	330	162

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

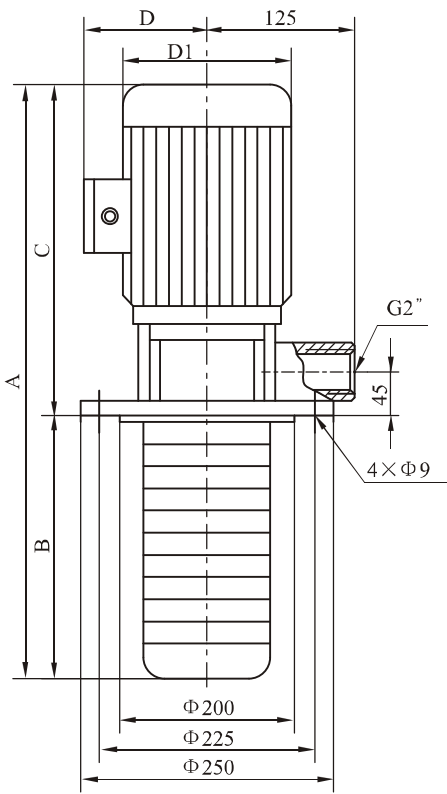
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	10	12	14	16	18	20	22	24	26	28
	(kW)	(hp)											
CDLK20-20/2	2.2	3	H (m)	27	26.5	26	25	24	23	22	20	18	15
CDLK20-30/3	4.0	5.5		40	39.5	39	38	37	35	33	30	27	24
CDLK20-40/4	5.5	7.5		54	53	52	51	49	47	44	41	37	33
CDLK20-50/5	5.5	7.5		67	66	64	62	60	58	55	50	45	40
CDLK20-60/6	7.5	10		81	79	77	75	73	70	66	61	55	49
CDLK20-70/7	7.5	10		95	93	91	89	86	82	77	71	65	58
CDLK20-80/8	11	15		109	107	105	102	99	94	89	82	75	67
CDLK20-100/10	11	15		136	134	131	128	124	118	111	103	95	85
CDLK20-120/12	15	20		164	162	158	154	149	142	133	124	114	102
CDLK20-140/14	15	20		192	189	185	180	174	166	156	145	133	119
CDLK20-170/17	18.5	25		234	230	225	219	212	202	190	177	162	145

● Installation sketch



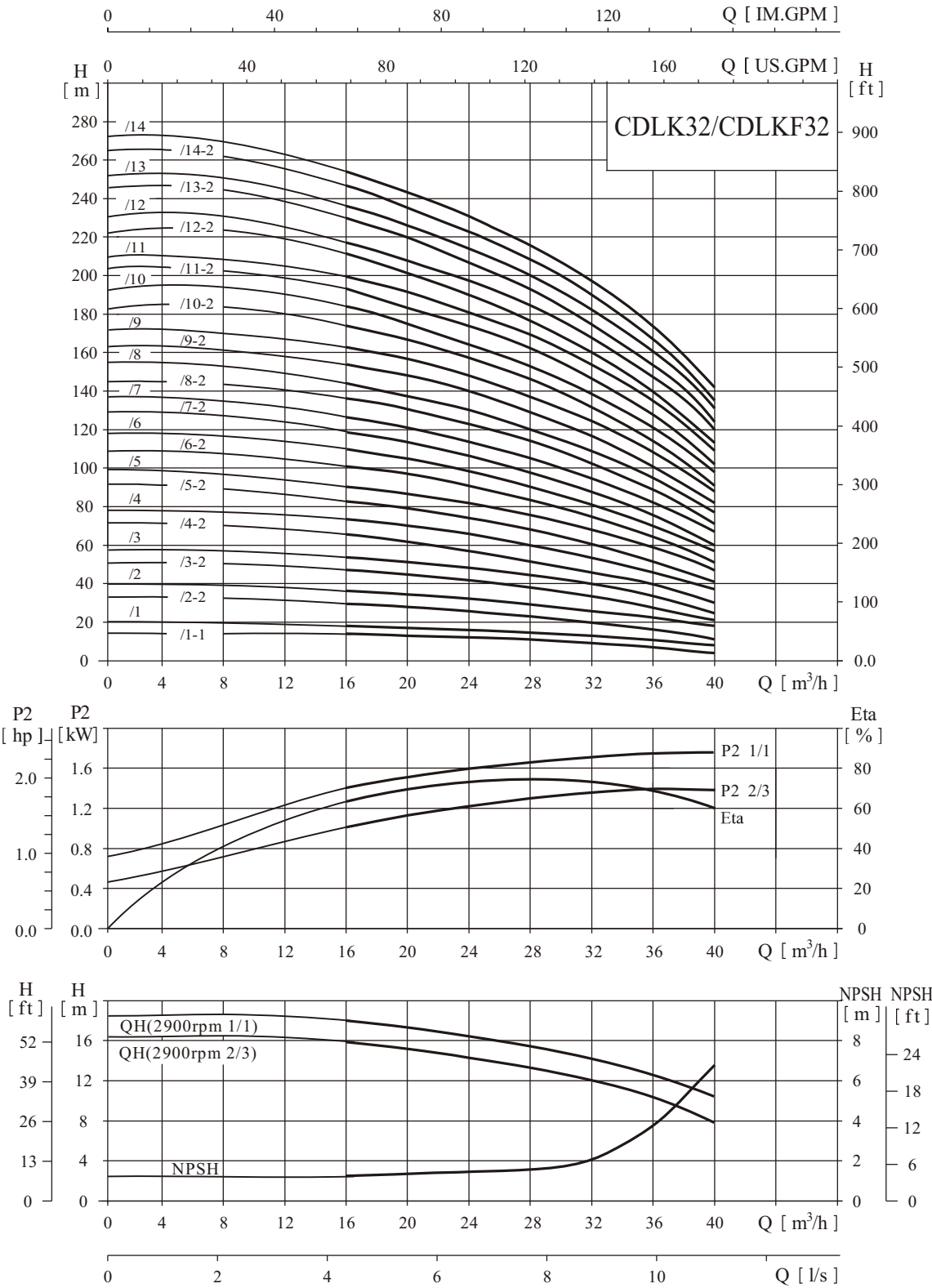
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK20-20/2	599	180	419	155	190	37
CDLK20-30/3	719	225	494	185	230	50
CDLK20-40/4	819	270	549	210	260	65
CDLK20-50/5	864	315	549	210	260	67
CDLK20-60/6	909	360	549	210	260	75
CDLK20-70/7	954	405	549	210	260	77
CDLK20-80/8	1150	450	700	255	330	131
CDLK20-100/10	1240	540	700	255	330	135
CDLK20-120/12	1330	630	700	255	330	151
CDLK20-140/14	1420	720	700	255	330	155
CDLK20-170/17	1605	855	750	255	330	181

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

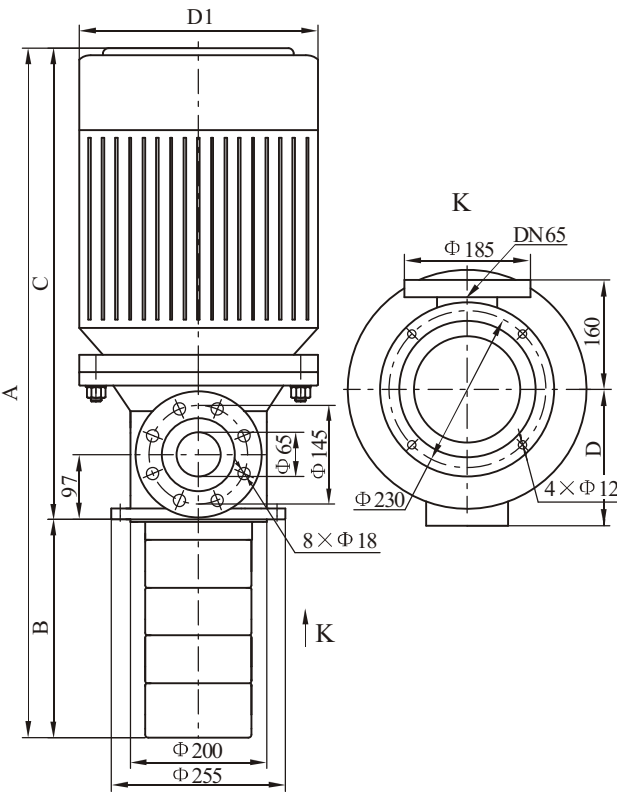
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	16	20	24	28	32	36	40	Model	Driving motor		Q (m³/h)	16	20	24	28	32	36	40
	(kW)	(hp)										(kW)	(hp)								
CDLK32-10/1-1	1.5	2	H (m)	14	13	12	11	9	7	4	CDLK32-80/8-2	15	20	H (m)	136	131	123	114	102	90	71
CDLK32-10/1	2.2	3		18	17	15	14	13	11	8	CDLK32-80/8	15	20		144	138	130	120	109	97	77
CDLK32-20/2-2	3.0	4		29	28	26	23	20	16	11	CDLK32-90/9-2	18.5	25		154	148	140	129	117	102	82
CDLK32-20/2	4.0	5.5		36	34	32	29	27	23	18	CDLK32-90/9	18.5	25		162	156	147	136	124	109	88
CDLK32-30/3-2	5.5	7.5		47	44	41	38	33	28	21	CDLK32-100/10-2	18.5	25		175	166	157	146	131	115	91
CDLK32-30/3	5.5	7.5		54	51	48	44	40	35	27	CDLK32-100/10	18.5	25		182	173	164	152	138	122	98
CDLK32-40/4-2	7.5	10		65	62	58	53	46	40	30	CDLK32-110/11-2	22	30		193	184	173	164	146	128	102
CDLK32-40/4	7.5	10		72	69	65	59	53	47	37	CDLK32-110/11	22	30		200	191	180	168	153	135	109
CDLK32-50/5-2	11	15		83	79	74	68	60	52	41	CDLK32-120/12-2	22	30		211	201	189	178	160	140	113
CDLK32-50/5	11	15		90	86	81	74	67	59	47	CDLK32-120/12	22	30		218	208	196	184	167	147	120
CDLK32-60/6-2	11	15		101	97	90	83	74	65	51	CDLK32-130/13-2	30	40		230	218	206	193	174	153	124
CDLK32-60/6	11	15		108	104	97	90	81	72	57	CDLK32-130/13	30	40		237	225	213	200	181	160	131
CDLK32-70/7-2	15	20		119	114	107	98	88	78	60	CDLK32-140/14-2	30	40		247	235	222	210	189	165	135
CDLK32-70/7	15	20		126	121	113	105	95	85	67	CDLK32-140/14	30	40		255	242	229	216	196	172	142

● Installation sketch



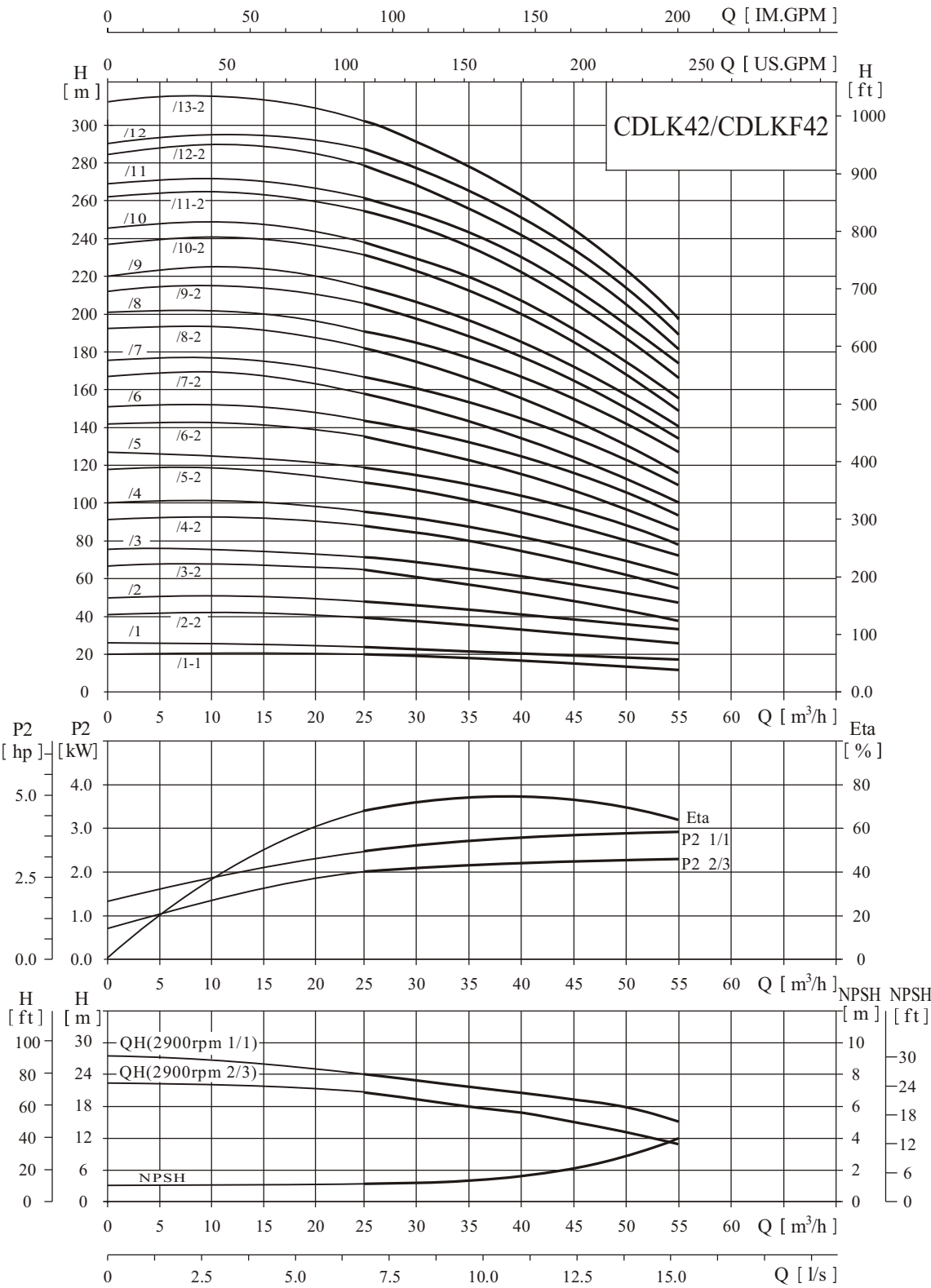
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK32-10/1-1/CDLK32-10/1	621	186	435	155	190	49/51
CDLK32-20/2-2/CDLK32-20/2	746/756	256	490/500	165/185	197/230	57/62
CDLK32-30/3-2/CDLK32-30/3	881	326	555	210	260	70
CDLK32-40/4-2/CDLK32-40/4	951	396	555	210	260	77
CDLK32-50/5-2/CDLK32-50/5	1184	466	718	255	330	148
CDLK32-60/6-2/CDLK32-60/6	1254	536	718	255	330	150
CDLK32-70/7-2/CDLK32-70/7	1324	606	718	255	330	162
CDLK32-80/8-2/CDLK32-80/8	1394	676	718	255	330	165
CDLK32-90/9-2/CDLK32-90/9	1514	746	768	255	330	191
CDLK32-100/10-2/CDLK32-100/10	1584	816	768	255	330	194
CDLK32-110/11-2/CDLK32-110/11	1679	886	793	285	360	230
CDLK32-120/12-2/CDLK32-120/12	1749	956	793	285	360	234
CDLK32-130/13-2/CDLK32-130/13	1894	1026	868	310	400	297
CDLK32-140/14-2/CDLK32-140/14	1964	1096	868	310	400	300

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

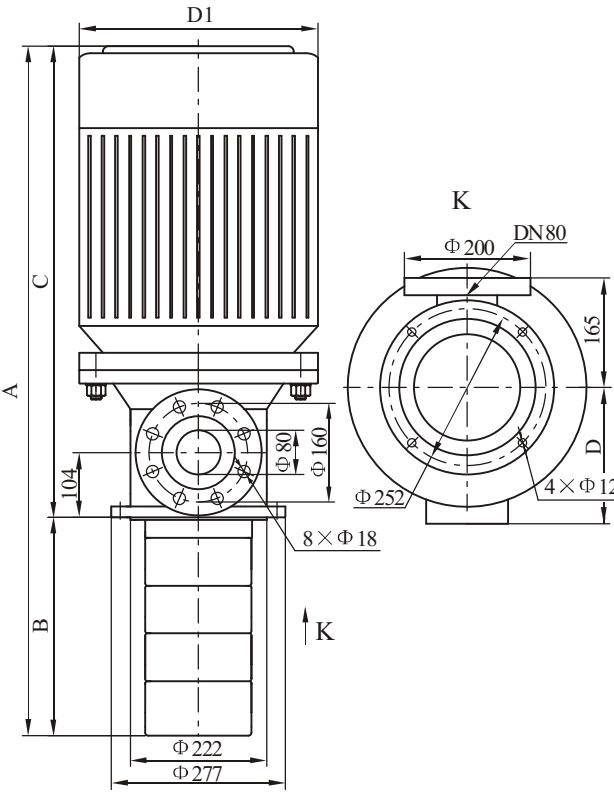
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	25	30	35	40	42	45	50	55
	(kW)	(hp)									
CDLK42-10/1-1	3.0	4	H (m)	20	19	18	17	16	15	13	11
CDLK42-10/1	4.0	5.5		24	23	22	21	20	19	18	16
CDLK42-20/2-2	5.5	7.5		40	38	36	33	32	30	27	23
CDLK42-20/2	7.5	10		48	46	44	42	41	39	35	31
CDLK42-30/3-2	11	15		63	61	58	54	52	50	44	38
CDLK42-30/3	11	15		71	69	66	63	61	58	53	47
CDLK42-40/4-2	15	20		87	84	80	75	73	69	62	54
CDLK42-40/4	15	20		95	92	88	84	81	78	71	62
CDLK42-50/5-2	18.5	25		111	107	102	96	93	88	80	69
CDLK42-50/5	18.5	25		119	115	110	105	101	97	88	78
CDLK42-60/6-2	22	30		135	130	124	117	113	108	97	85
CDLK42-60/6	22	30		143	138	132	125	122	116	106	93
CDLK42-70/7-2	30	40		158	152	146	138	134	127	115	100
CDLK42-70/7	30	40		166	161	154	146	142	135	124	109
CDLK42-80/8-2	30	40		182	175	168	159	154	146	133	116
CDLK42-80/8	30	40		190	184	176	167	162	154	141	124
CDLK42-90/9-2	30	40		205	198	190	180	174	166	150	132
CDLK42-90/9	37	50		214	207	198	188	183	174	159	140
CDLK42-100/10-2	37	50		230	221	212	200	194	185	168	147
CDLK42-100/10	37	50		238	230	220	209	203	193	177	155
CDLK42-110/11-2	45	60		255	246	236	223	217	206	188	165
CDLK42-110/11	45	60		263	255	244	232	225	214	196	173
CDLK42-120/12-2	45	60		280	270	259	245	238	226	206	181
CDLK42-120/12	45	60		289	280	268	255	247	236	216	190
CDLK42-130/13-2	45	60		305	294	282	267	259	247	225	198

● Installation sketch



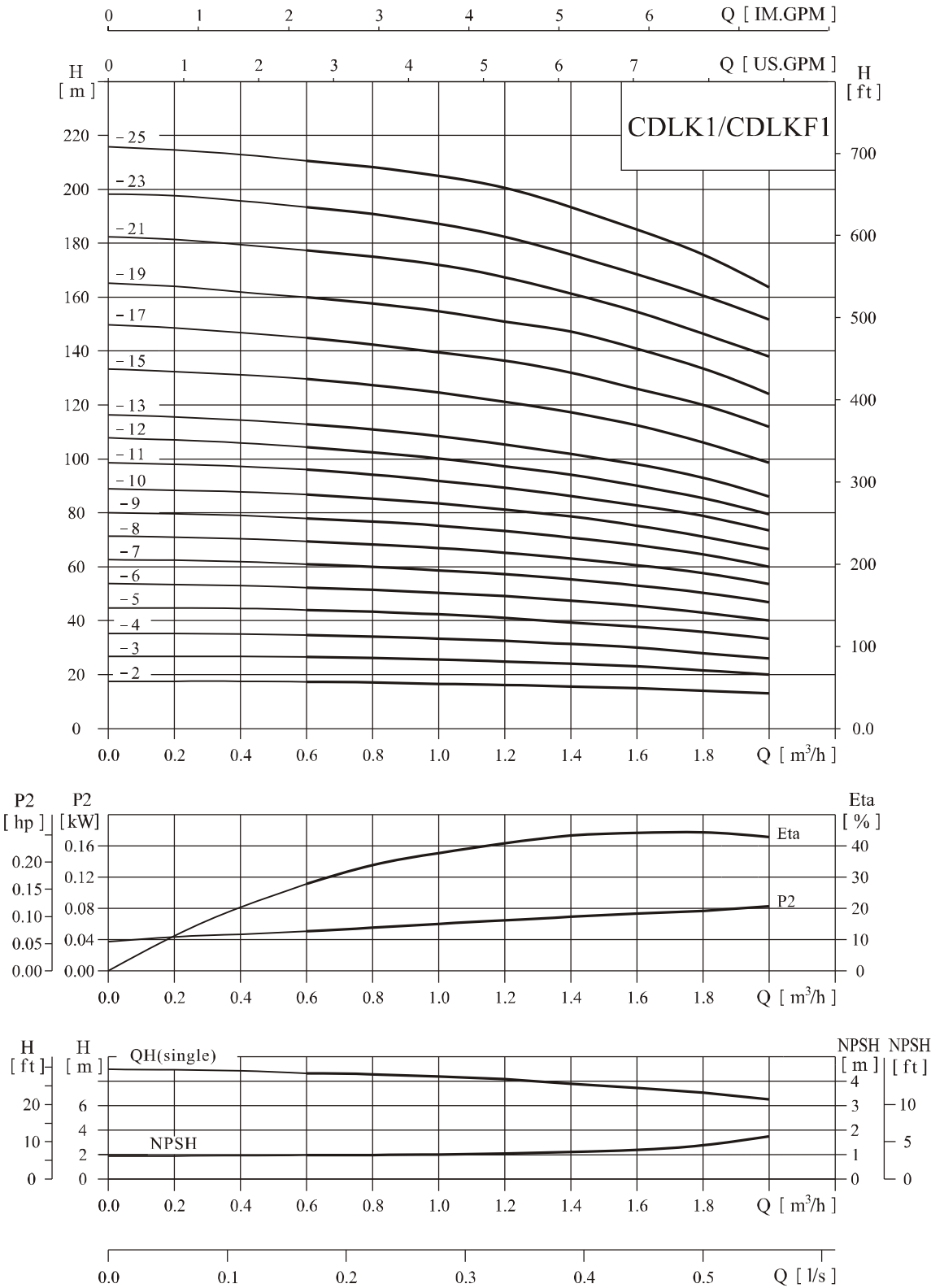
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK42-10/1-1/CDLK42-10/1	702/ 712	198	504/ 514	165/ 185	197/ 230	60/65
CDLK42-20/2-2/CDLK42-20/2	847	278	569	210	260	77/84
CDLK42-30/3-2/CDLK42-30/3	1090	358	732	255	330	150
CDLK42-40/4-2/CDLK42-40/4	1170	438	732	255	330	162
CDLK42-50/5-2/CDLK42-50/5	1300	518	782	255	330	182
CDLK42-60/6-2/CDLK42-60/6	1405	598	807	285	360	225
CDLK42-70/7-2/CDLK42-70/7	1560	678	882	310	400	288
CDLK42-80/8-2/CDLK42-80/8	1640	758	882	310	400	292
CDLK42-90/9-2/CDLK42-90/9	1720	838	882	310	400	296/ 315
CDLK42-100/10-2/CDLK42-100/10	1800	918	882	310	400	320
CDLK42-110/11-2/CDLK42-110/11	1915	998	917	345	450	385
CDLK42-120/12-2/CDLK42-120/12	1995	1078	917	345	450	390
CDLK42-130/13-2	2075	1158	917	345	450	394

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

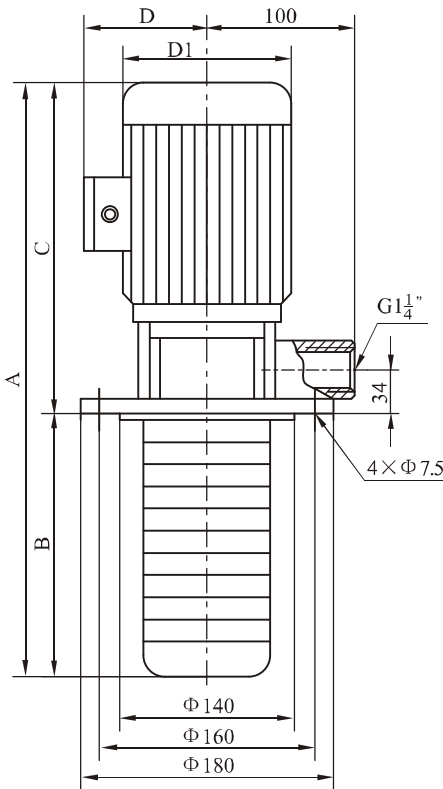
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	0.6	0.8	1	1.2	1.4	1.6	1.8	2
	(kW)	(hp)									
CDLK1-20/2	0.37	0.5	H (m)	17.5	17	16.5	16	15.5	15	14	13
CDLK1-30/3	0.37	0.5		26.5	26	25	24	23	22	21	20
CDLK1-40/4	0.37	0.5		35	34	33	32	31	30	28	26
CDLK1-50/5	0.55	0.75		43	42	41	40	39	38	35	33
CDLK1-60/6	0.55	0.75		52	51	50	48	47	45	43	39
CDLK1-70/7	0.75	1		60	59	58	56	55	52	50	46
CDLK1-80/8	0.75	1		68	67	65	64	62	59	57	53
CDLK1-90/9	0.75	1		76	75	74	73	71	66	64	60
CDLK1-100/10	1.1	1.5		85	84	83	81	78	74	72	67
CDLK1-110/11	1.1	1.5		95	93	90	87	85	81	78	73
CDLK1-120/12	1.1	1.5		103	102	98	96	92	88	86	79
CDLK1-130/13	1.1	1.5		112	110	107	105	100	95	93	86
CDLK1-150/15	1.5	2		127	125	123	121	117	112	107	99
CDLK1-170/17	1.5	2		144	141	139	137	132	124	120	112
CDLK1-190/19	2.2	3		160	157	155	153	147	141	134	124
CDLK1-210/21	2.2	3		177	174	172	168	162	153	147	138
CDLK1-230/23	2.2	3		193	190	188	184	174	167	161	152
CDLK1-250/25	3	4		210	207	205	202	192	184	176	164

● Installation sketch



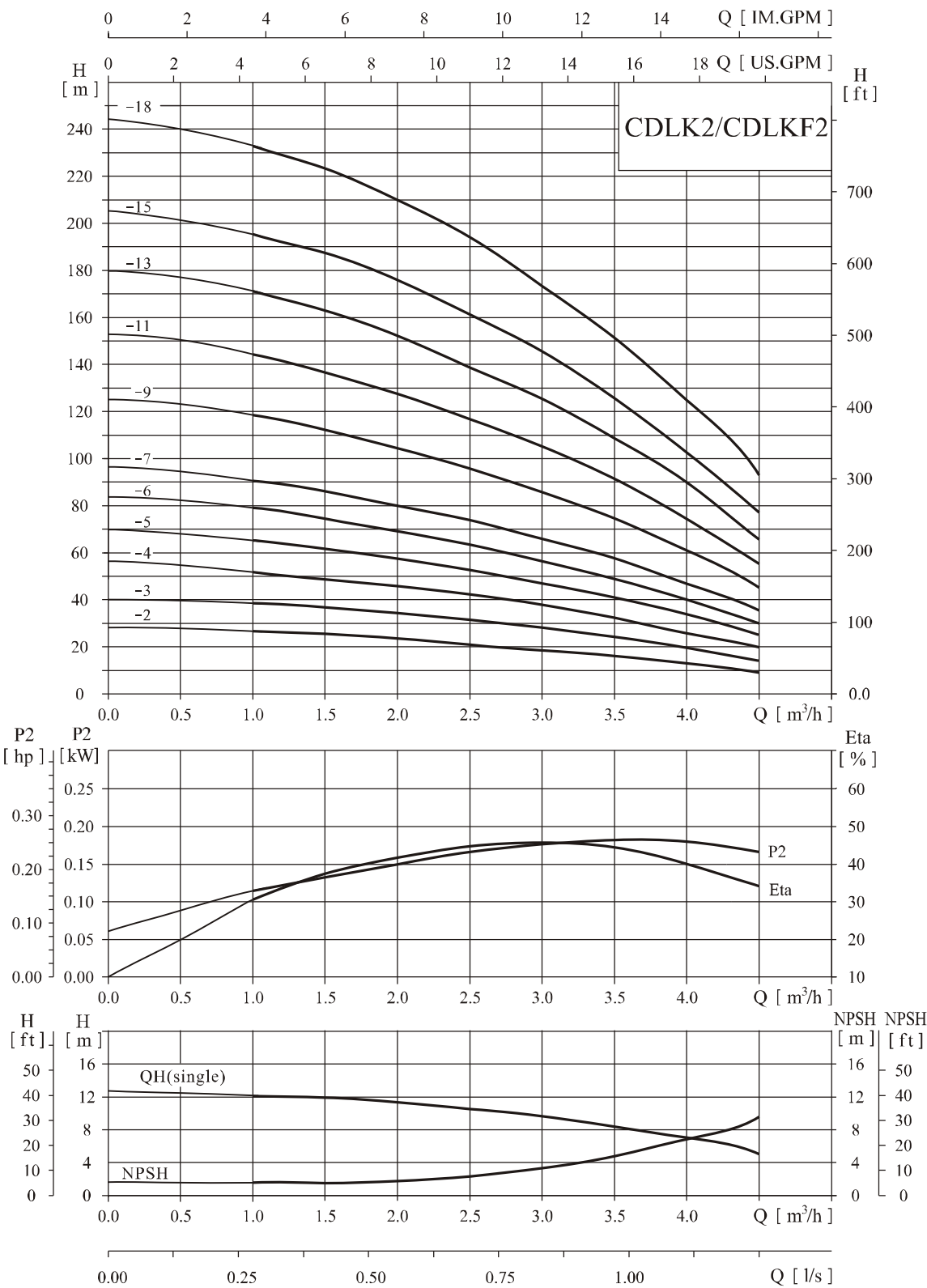
● Size and weight

Model	Size (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	15
CDLK1-50/5	507	177	330	117	148	16
CDLK1-60/6	525	195	330	117	148	16
CDLK1-70/7	571	213	358	142	170	19
CDLK1-80/8	589	231	358	142	170	19
CDLK1-90/9	607	249	358	142	170	20
CDLK1-100/10	625	267	358	142	170	22
CDLK1-110/11	643	285	358	142	170	22
CDLK1-120/12	661	303	358	142	170	24
CDLK1-130/13	679	321	358	142	170	24
CDLK1-150/15	770	357	413	155	190	29
CDLK1-170/17	806	393	413	155	190	29
CDLK1-190/19	842	429	413	155	190	33
CDLK1-210/21	878	465	413	155	190	33
CDLK1-230/23	914	501	413	155	190	33
CDLK1-250/25	1015	537	478	165	197	40

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

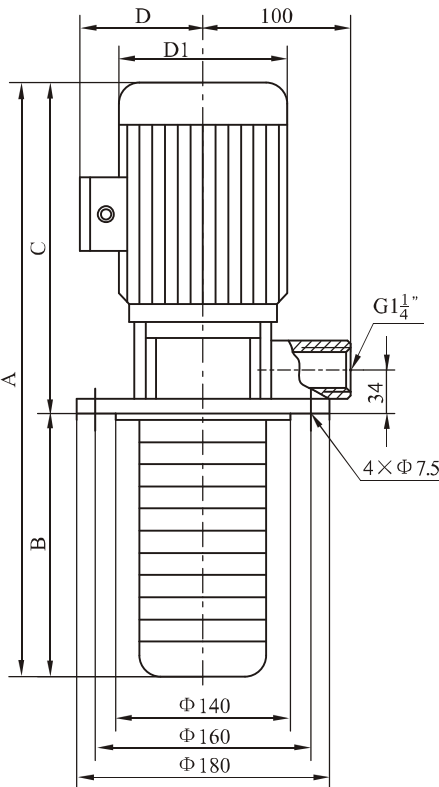
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	1	1.5	2	2.5	3	3.5	4	4.5
	(kW)	(hp)									
CDLK2-20/2	0.55	0.75	H (m)	26	24	22	21	18	16	12	9
CDLK2-30/3	0.75	1		39	36	33	31	27	24	19	15
CDLK2-40/4	1.1	1.5		52	48	45	42	36	32	26	20
CDLK2-50/5	1.1	1.5		65	60	57	52	46	41	32	25
CDLK2-60/6	1.1	1.5		78	74	69	63	56	49	40	30
CDLK2-70/7	1.5	2		91	86	81	74	66	57	47	35
CDLK2-90/9	2.2	3		117	111	104	95	86	75	61	45
CDLK2-110/11	2.2	3		143	136	128	116	104	90	75	56
CDLK2-130/13	3	4		171	163	152	139	126	108	90	66
CDLK2-150/15	3	4		195	186	176	160	142	125	103	77
CDLK2-180/18	4	5.5		234	228	212	195	171	151	126	94

● Installation sketch



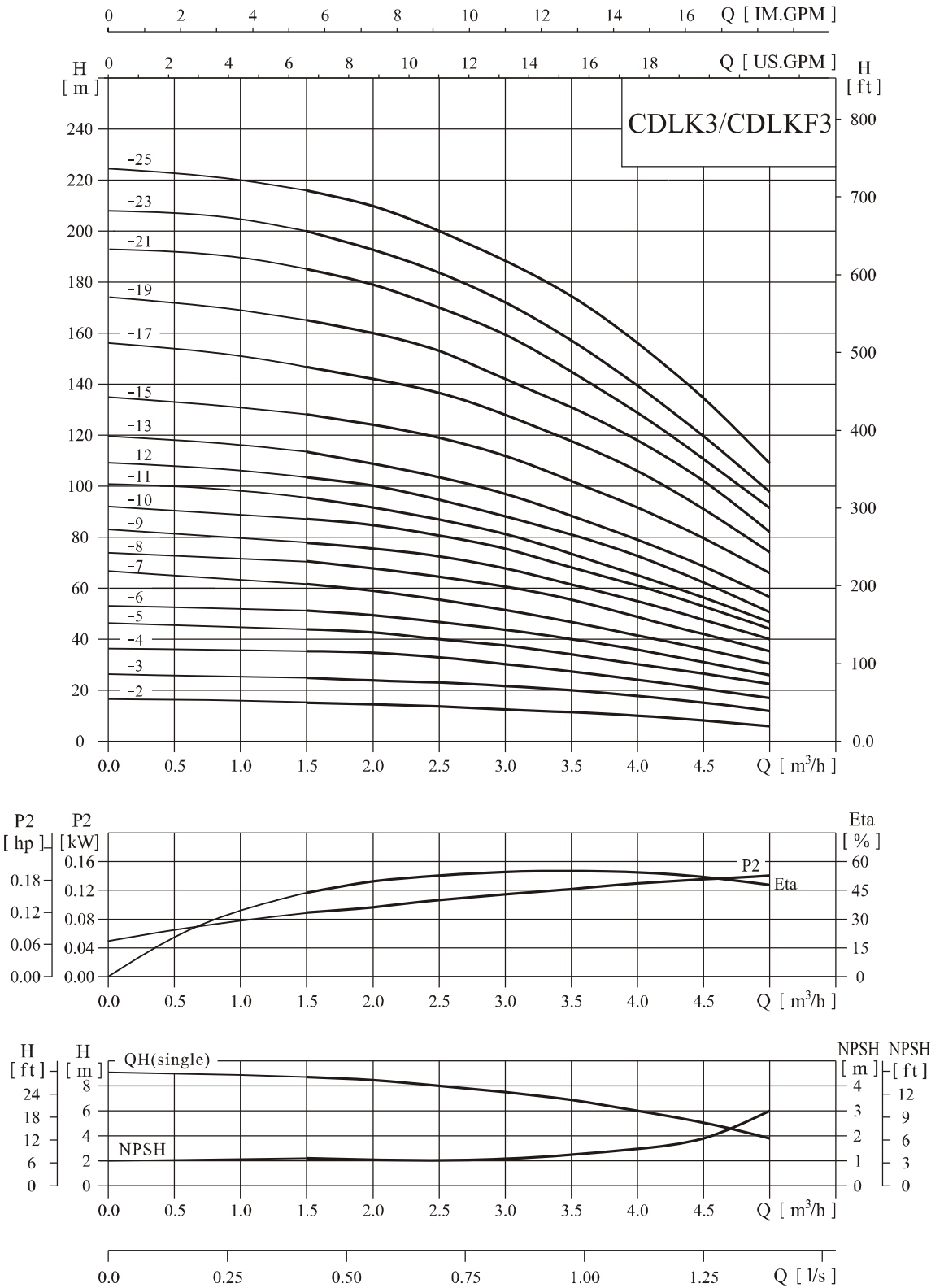
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK2-20/2	453	123	330	117	148	15
CDLK2-30/3	499	141	358	142	170	18
CDLK2-40/4	517	159	358	142	170	20
CDLK2-50/5	535	177	358	142	170	20
CDLK2-60/6	553	195	358	142	170	22
CDLK2-70/7	626	213	413	155	190	27
CDLK2-90/9	662	249	413	155	190	31
CDLK2-110/11	698	285	413	155	190	31
CDLK2-130/13	799	321	478	165	197	37
CDLK2-150/15	835	357	478	165	197	37
CDLK2-180/18	899	411	488	185	230	42

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

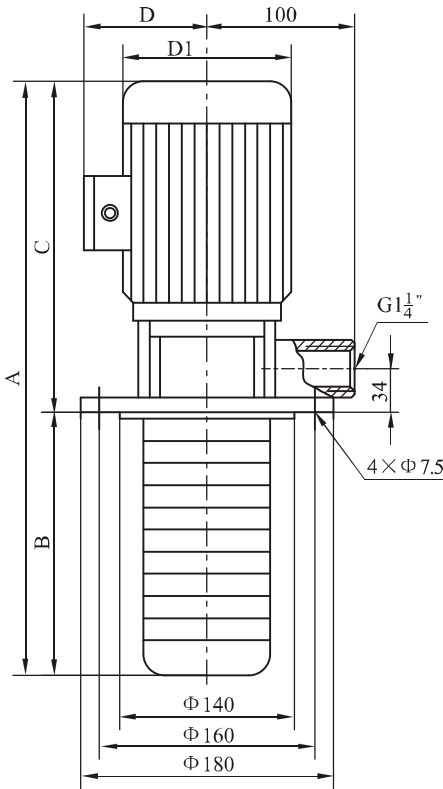
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	1.5	2	2.5	3	3.5	4	4.5	5
	(kW)	(hp)									
CDLK3-20/2	0.37	0.5	H (m)	17.5	16	15	14	13	11	9	8
CDLK3-30/3	0.55	0.75		26.5	25	24	23	20	18	15	12
CDLK3-40/4	0.55	0.75		35	34	32	30	27	25	20	17
CDLK3-50/5	0.75	1		44	42	40	38	33	31	26	23
CDLK3-60/6	1.1	1.5		51	50	48	45	40	37	32	27
CDLK3-70/7	1.1	1.5		61	59	56	52	46	43	38	31
CDLK3-80/8	1.1	1.5		70	67	64	61	53	49	44	35
CDLK3-90/9	1.5	2		78	77	72	68	60	56	50	40
CDLK3-100/10	1.5	2		87	84	81	76	68	63	55	44
CDLK3-110/11	1.5	2		96	92	87	82	74	69	59	48
CDLK3-120/12	2.2	3		104	100	96	90	79	73	63	52
CDLK3-130/13	2.2	3		112	109	104	98	86	80	69	57
CDLK3-150/15	2.2	3		129	126	120	112	99	93	81	65
CDLK3-170/17	2.2	3		147	143	137	128	114	106	91	74
CDLK3-190/19	3	4		165	160	153	142	126	118	102	82
CDLK3-210/21	3	4		183	178	170	160	141	129	112	91
CDLK3-230/23	3	4		200	194	185	174	154	142	122	98
CDLK3-250/25	4	5.5		217	211	202	187	167	154	134	108

● Installation sketch



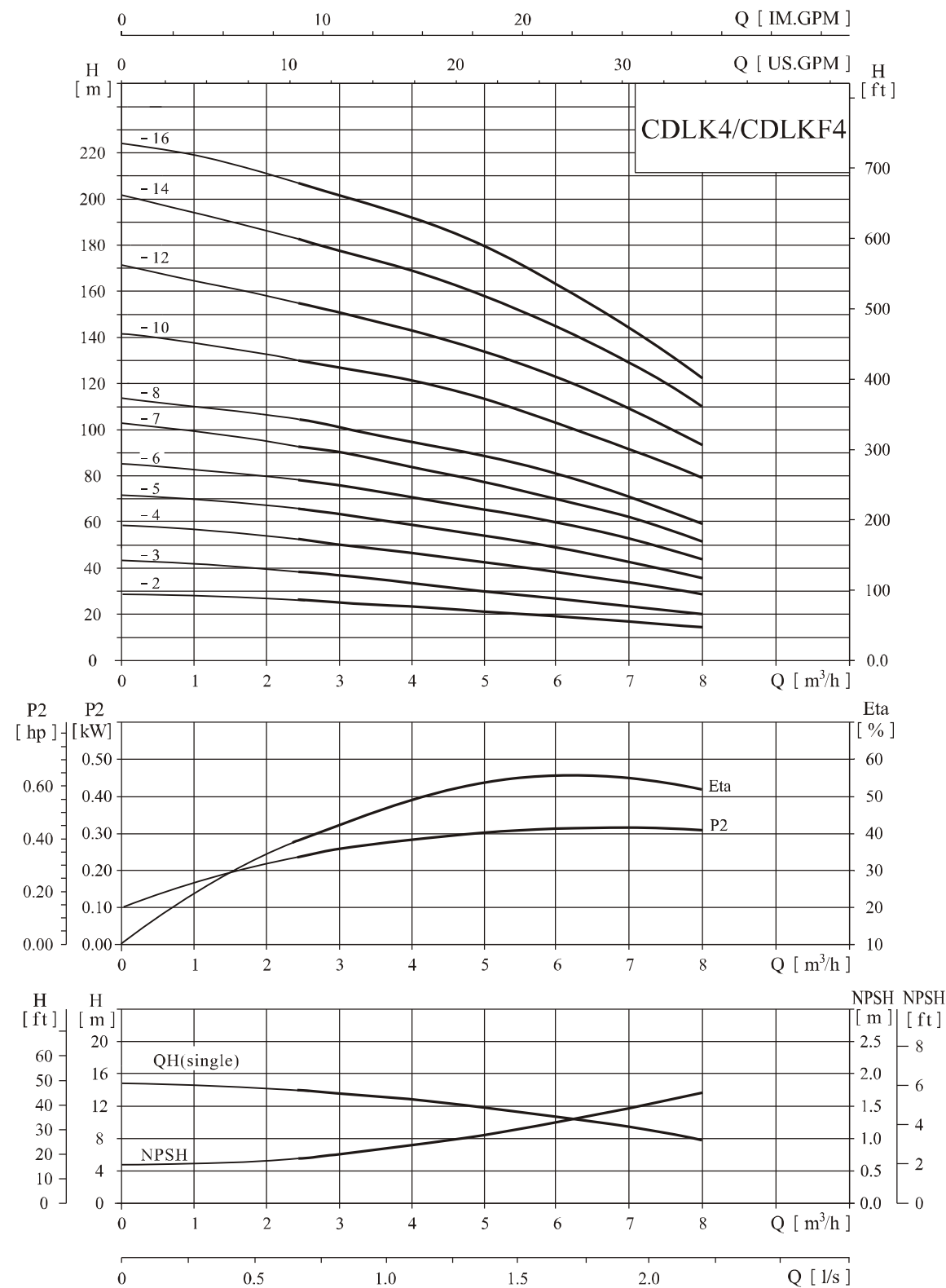
● Size and weight

Model	Size (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	15
CDLK3-50/5	535	177	358	142	170	19
CDLK3-60/6	553	195	358	142	170	21
CDLK3-70/7	571	213	358	142	170	22
CDLK3-80/8	589	231	358	142	170	22
CDLK3-90/9	662	249	413	155	190	27
CDLK3-100/10	680	267	413	155	190	28
CDLK3-110/11	698	285	413	155	190	28
CDLK3-120/12	716	303	413	155	190	31
CDLK3-130/13	734	321	413	155	190	31
CDLK3-150/15	770	357	413	155	190	32
CDLK3-170/17	806	393	413	155	190	32
CDLK3-190/19	907	429	478	165	197	37
CDLK3-210/21	943	465	478	165	197	38
CDLK3-230/23	979	501	478	165	197	38
CDLK3-250/25	1025	537	488	185	230	44

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

- **Performance curve**

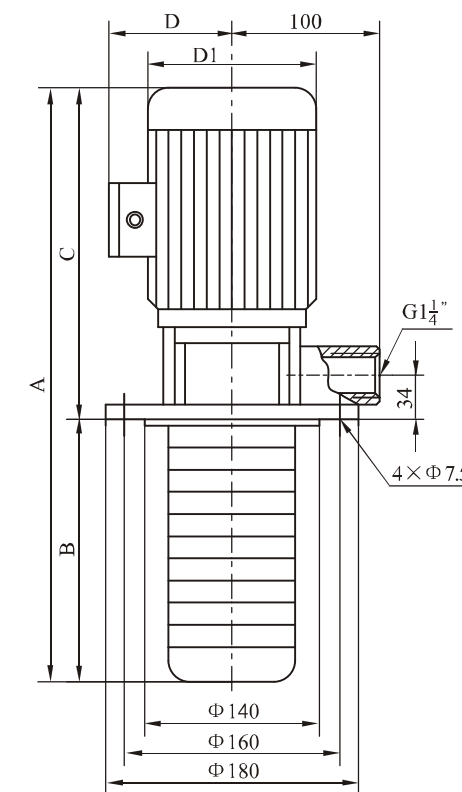
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	2.5	3	4	5	6	7	8
	(kW)	(hp)								
CDLK4-20/2	0.75	1	H (m)	26	25	23	21	19	16	14
CDLK4-30/3	1.1	1.5		39	38	36	32	28	24	21
CDLK4-40/4	1.5	2		52	50	48	44	38	35	31
CDLK4-50/5	2.2	3		65	62	60	55	49	44	39
CDLK4-60/6	2.2	3		78	75	72	67	59	54	47
CDLK4-70/7	3	4		92	88	84	78	69	62	55
CDLK4-80/8	3	4		104	100	95	90	79	72	63
CDLK4-100/10	4	5.5		130	125	120	113	102	90	80
CDLK4-120/12	4	5.5		156	150	145	136	122	109	96
CDLK4-140/14	5.5	7.5		182	176	170	159	145	129	112
CDLK4-160/16	5.5	7.5		207	201	196	183	165	146	128

● Installation sketch



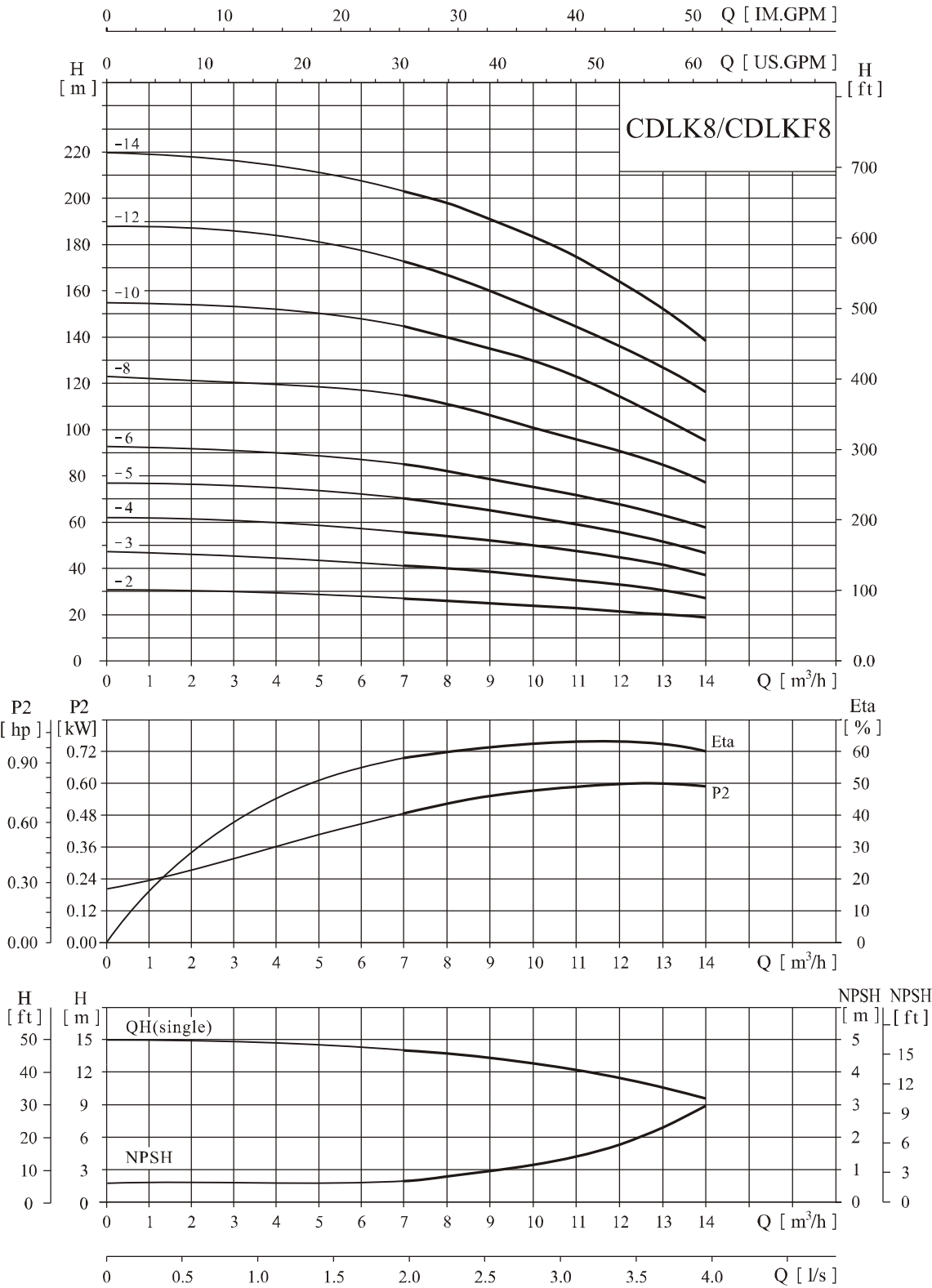
- **Size and weight**

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK4-20/2	506	148	358	142	170	15
CDLK4-30/3	533	175	358	142	170	18
CDLK4-40/4	615	202	413	155	190	23
CDLK4-50/5	642	229	413	155	190	27
CDLK4-60/6	669	256	413	155	190	27
CDLK4-70/7	761	283	478	165	197	33
CDLK4-80/8	788	310	478	165	197	33
CDLK4-100/10	852	364	488	185	230	38
CDLK4-120/12	906	418	488	185	230	38
CDLK4-140/14	1015	472	543	210	260	63
CDLK4-160/16	1069	526	543	210	260	65

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

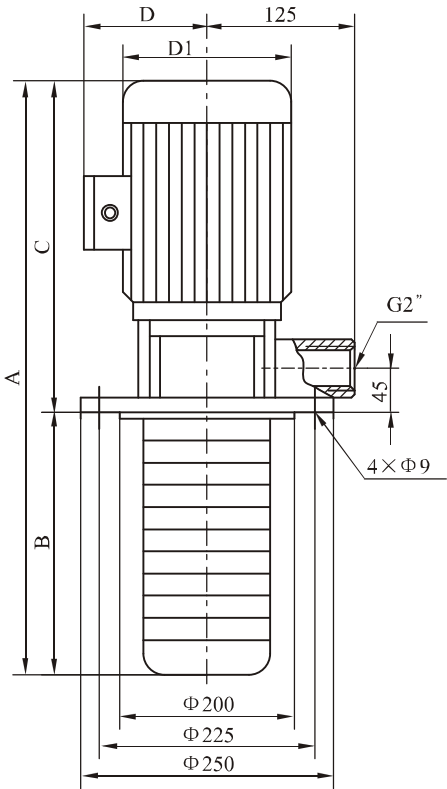
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	7	8	9	10	11	12	13	14
	(kW)	(hp)									
CDLK8-20/2	1.5	2	H (m)	27	26	25	24	23	22	20	18
CDLK8-30/3	2.2	3		41	40	38	37	35	33	30	28
CDLK8-40/4	3	4		55	54	52	50	47	45	41	38
CDLK8-50/5	3	4		70	68	65	63	59	56	52	47
CDLK8-60/6	4	5.5		85	82	78	76	72	68	62	57
CDLK8-80/8	5.5	7.5		115	110	105	101	97	91	84	75
CDLK8-100/10	7.5	10		145	140	132	126	122	115	105	95
CDLK8-120/12	7.5	10		173	167	160	152	147	132	125	115
CDLK8-140/14	11	15		202	195	188	179	174	163	147	135

● Installation sketch



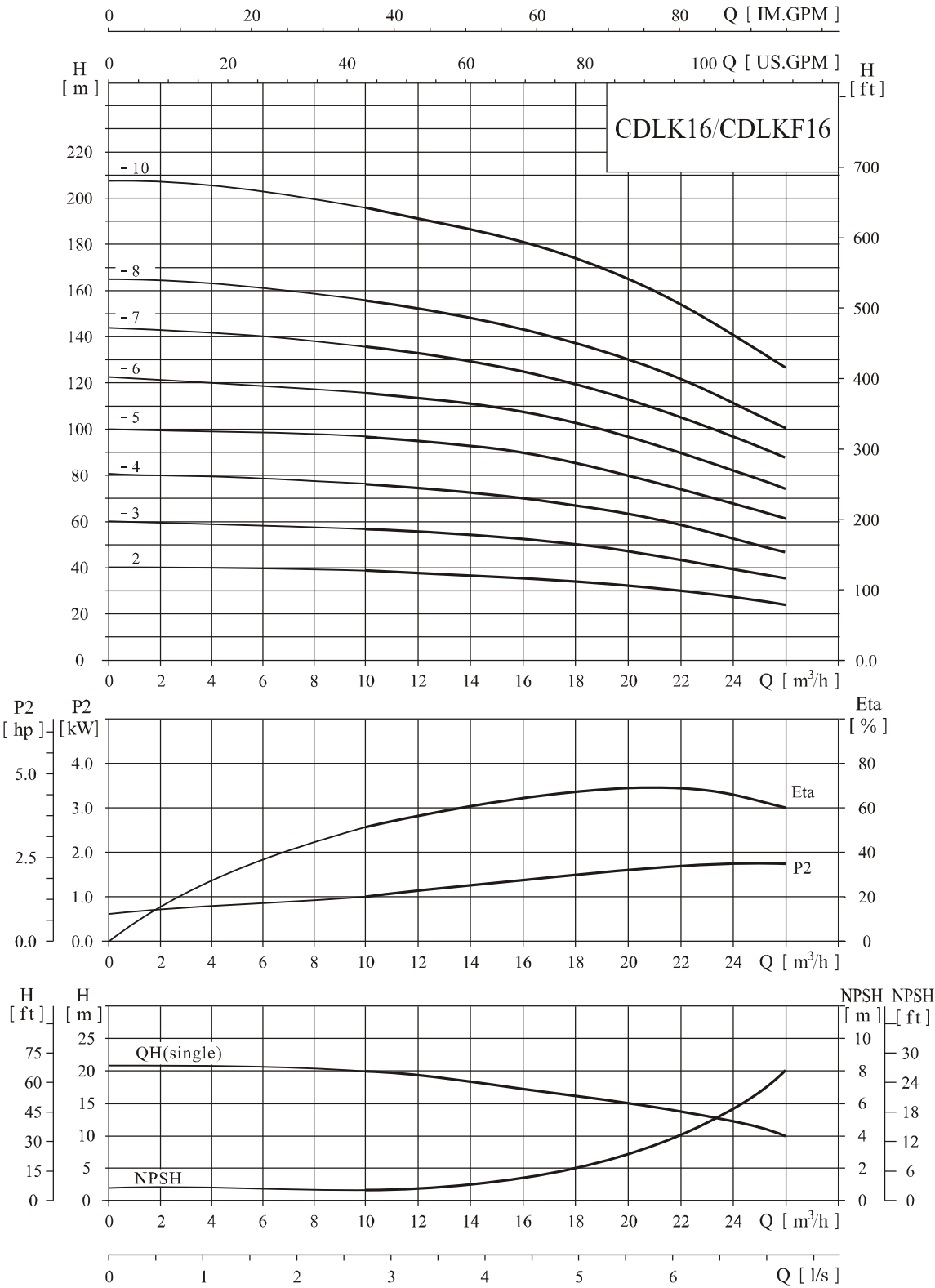
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK8-20/2	569	150	419	155	190	32
CDLK8-30/3	599	180	419	155	190	37
CDLK8-40/4	694	210	484	165	197	45
CDLK8-50/5	724	240	484	165	197	47
CDLK8-60/6	764	270	494	185	230	52
CDLK8-80/8	879	330	549	210	260	72
CDLK8-100/10	939	390	549	210	260	78
CDLK8-120/12	999	450	549	210	260	80
CDLK8-140/14	1210	510	700	255	330	135

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

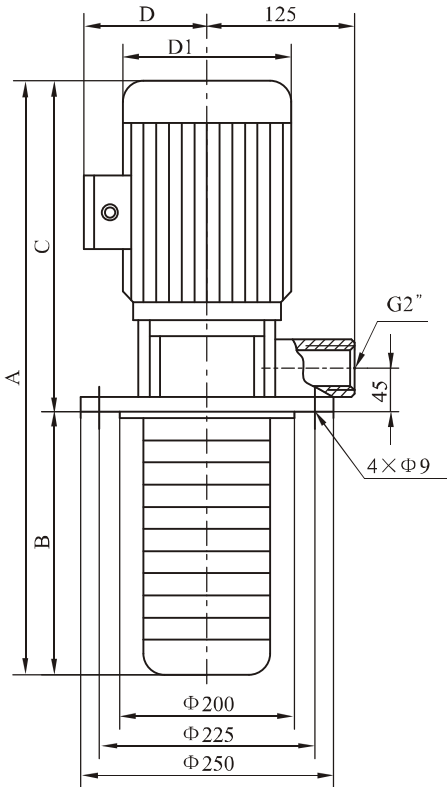
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	10	12	14	16	18	20	22	24	26
	(kW)	(hp)										
CDLK16-20/2	4	5.5	H (m)	38	37	36	35	34	32	30	27	24
CDLK16-30/3	5.5	7.5		57	56	55	54	51	48	45	40	36
CDLK16-40/4	7.5	10		76	75	73	72	68	64	60	54	49
CDLK16-50/5	11	15		96	94	92	90	85	80	75	68	62
CDLK16-60/6	11	15		115	113	111	108	102	96	91	82	75
CDLK16-70/7	15	20		135	132	129	126	119	113	106	96	88
CDLK16-80/8	15	20		155	152	148	144	137	130	122	111	101
CDLK16-100/10	18.5	25		197	192	187	181	174	165	153	139	127

● Installation sketch



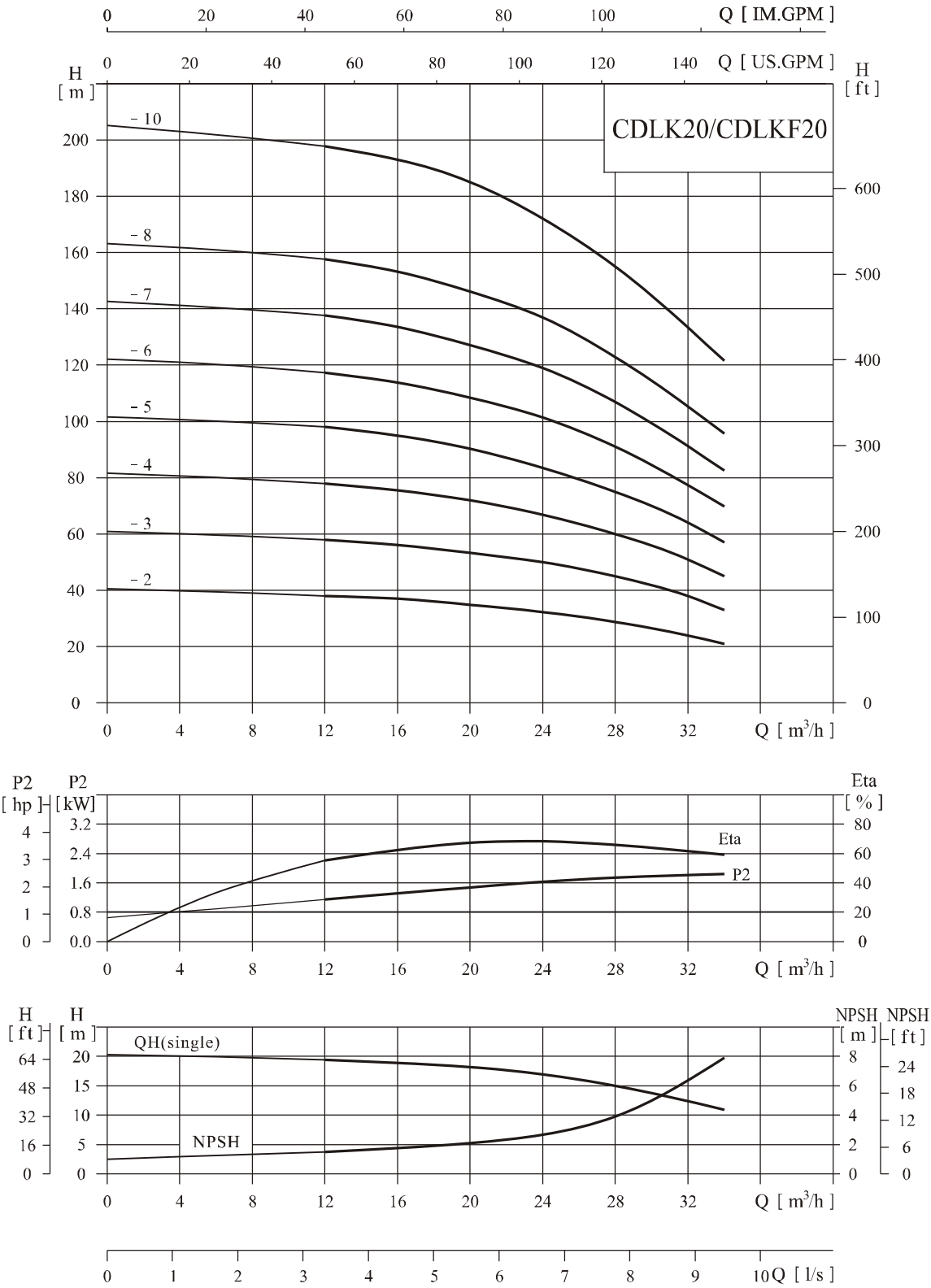
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK16-20/2	674	180	494	185	230	50
CDLK16-30/3	774	225	549	210	260	65
CDLK16-40/4	819	270	549	210	260	75
CDLK16-50/5	1015	315	700	255	330	130
CDLK16-60/6	1060	360	700	255	330	132
CDLK16-70/7	1105	405	700	255	330	140
CDLK16-80/8	1150	450	700	255	330	140
CDLK16-100/10	1290	540	750	255	330	150

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

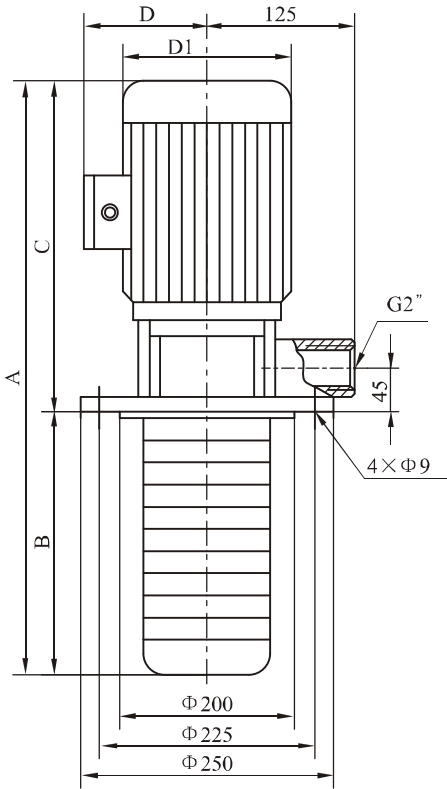
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	12	16	20	24	28	32	34
	(kW)	(hp)								
CDLK20-20/2	4	5.5	H (m)	38	37	35	32	29	24	21
CDLK20-30/3	5.5	7.5		58	56	53	50	45	38	33
CDLK20-40/4	7.5	10		78	75	72	67	60	51	45
CDLK20-50/5	11	15		98	94	90	85	75	64	57
CDLK20-60/6	11	15		118	113	108	102	91	77	70
CDLK20-70/7	15	20		138	133	127	119	107	91	83
CDLK20-80/8	15	20		158	153	146	137	123	105	96
CDLK20-100/10	18.5	25		198	193	185	172	155	133	122

● Installation sketch



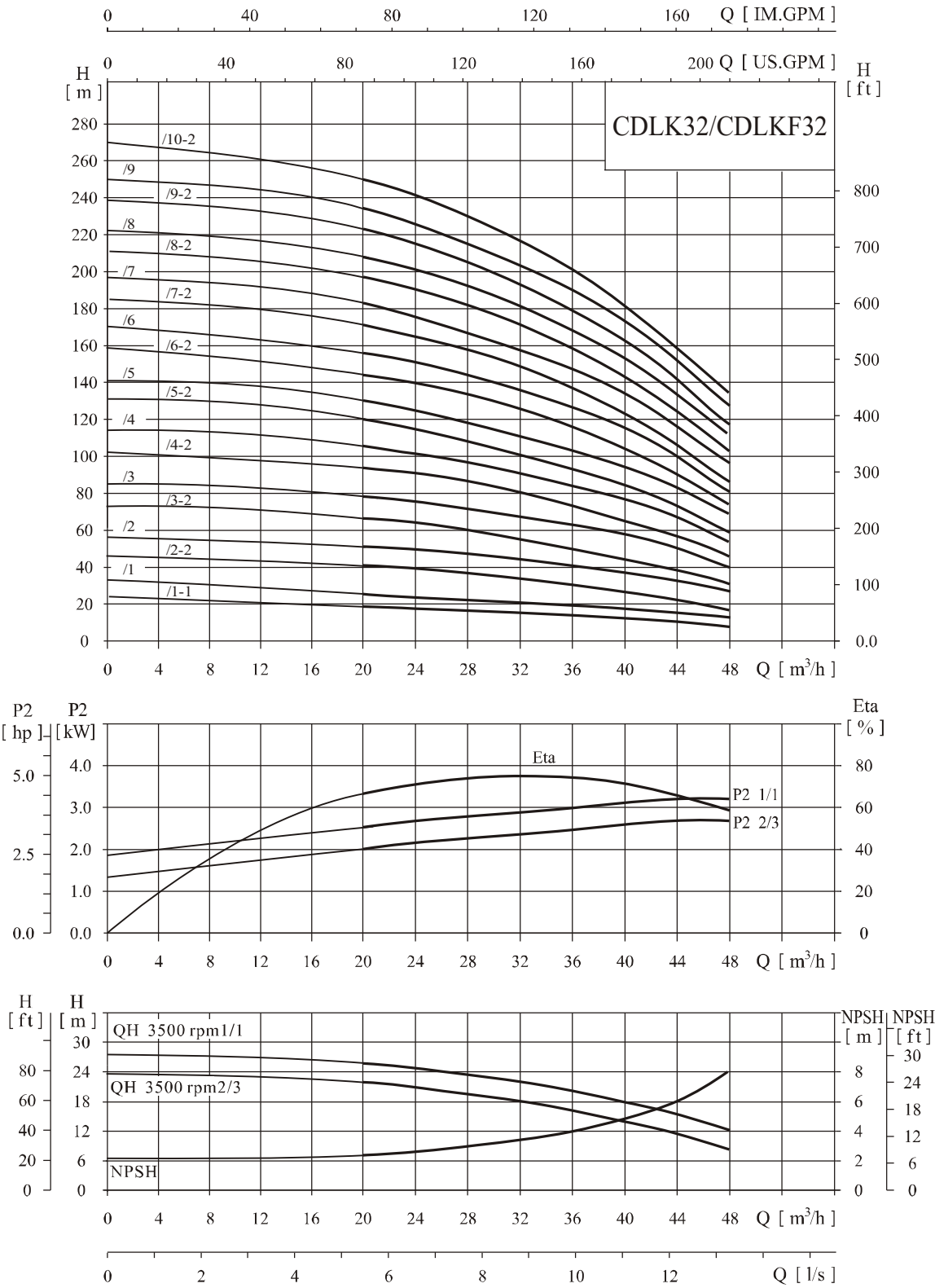
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK20-20/2	674	180	494	185	230	50
CDLK20-30/3	774	225	549	210	260	65
CDLK20-40/4	819	270	549	210	260	75
CDLK20-50/5	1015	315	700	255	330	130
CDLK20-60/6	1060	360	700	255	330	132
CDLK20-70/7	1105	405	700	255	330	140
CDLK20-80/8	1150	450	700	255	330	140
CDLK20-100/10	1290	540	750	255	330	150

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

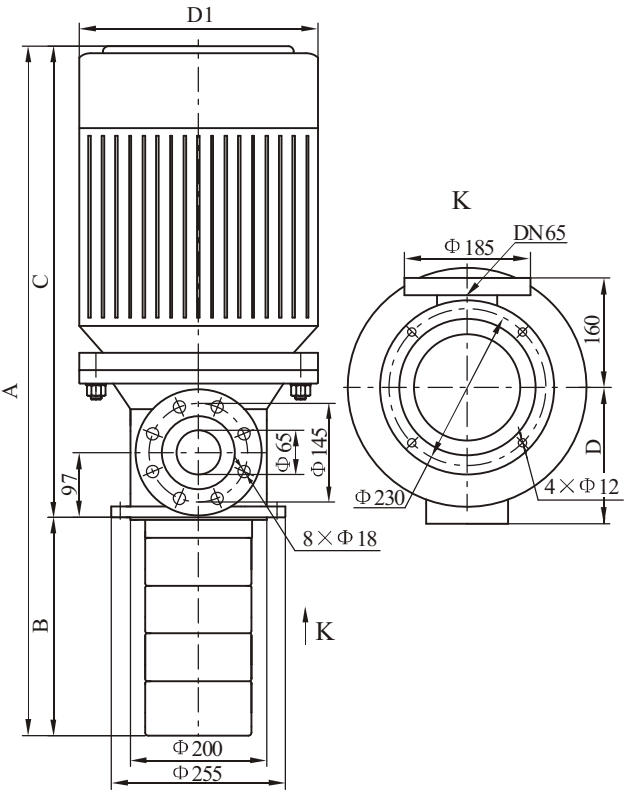
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	20	24	28	32	36	40	44	48
	(kW)	(hp)									
CDLK32-10/1-1	3.0	4	H (m)	20	19	18	17	15	13	10	7
CDLK32-10/1	4.0	5.5		26	25	24	23	21	19	17	14
CDLK32-20/2-2	5.5	7.5		41	40	38	35	31	27	22	17
CDLK32-20/2	7.5	10		52	50	48	45	41	37	33	27
CDLK32-30/3-2	7.5	10		67	64	61	57	52	46	39	31
CDLK32-30/3	11	15		78	75	71	67	62	56	50	40
CDLK32-40/4-2	11	15		94	91	87	81	73	65	56	45
CDLK32-40/4	15	20		104	101	96	91	83	75	66	55
CDLK32-50/5-2	15	20		119	115	109	102	94	84	73	59
CDLK32-50/5	18.5	25		130	125	119	112	104	94	83	69
CDLK32-60/6-2	18.5	25		145	140	134	126	116	104	90	74
CDLK32-60/6	18.5	25		155	150	144	136	126	114	100	81
CDLK32-70/7-2	22	30		172	166	158	149	137	123	106	86
CDLK32-70/7	22	30		182	176	168	159	148	133	118	97
CDLK32-80/8-2	22	30		196	190	182	172	159	143	124	102
CDLK32-80/8	30	40		208	201	192	181	167	152	132	111
CDLK32-90/9-2	30	40		223	216	206	194	179	162	142	117
CDLK32-90/9	30	40		234	226	216	204	189	172	152	127
CDLK32-100/10-2	30	40		248	241	231	217	201	181	159	133

● Installation sketch



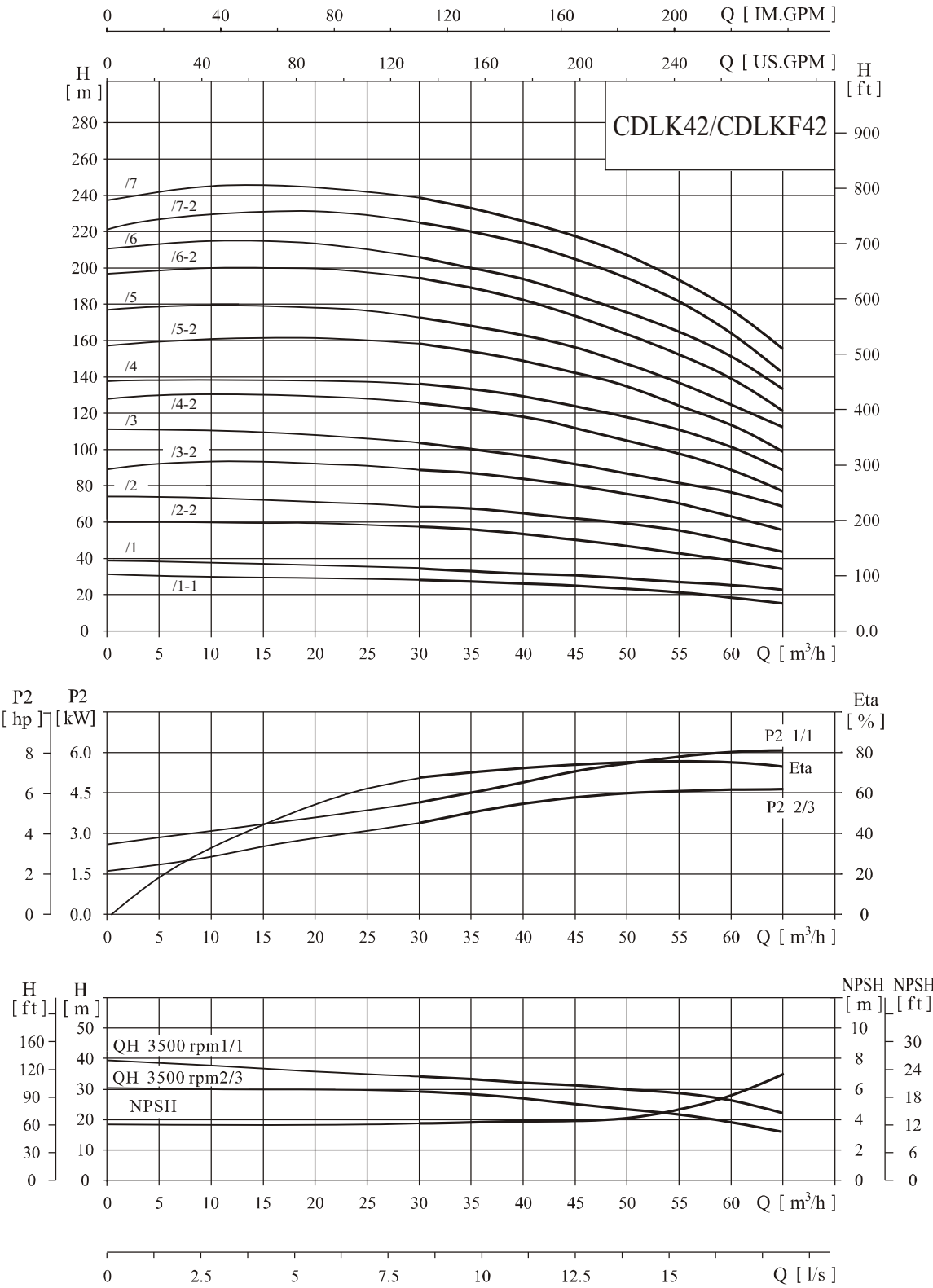
● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK32-10/1-1	676	186	490	165	197	65
CDLK32-10/1	686	186	500	185	230	75
CDLK32-20/2-2	811	256	555	210	260	85
CDLK32-20/2	811	256	555	210	260	95
CDLK32-30/3-2	881	326	555	210	260	100
CDLK32-30/3	1044	326	718	255	330	150
CDLK32-40/4-2	1114	396	718	255	330	155
CDLK32-40/4	1114	396	718	255	330	185
CDLK32-50/5-2	1184	466	718	255	330	195
CDLK32-50/5	1174	466	768	255	330	215
CDLK32-60/6-2	1304	536	768	255	330	225
CDLK32-60/6	1304	536	768	255	330	225
CDLK32-70/7-2	1399	606	793	285	360	260
CDLK32-70/7	1399	606	793	285	360	260
CDLK32-80/8-2	1469	676	793	285	360	265
CDLK32-80/8	1544	676	868	310	400	305
CDLK32-90/9-2	1614	746	868	310	400	315
CDLK32-90/9	1614	746	868	310	400	315
CDLK32-100/10-2	1684	816	868	310	400	325

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

● Performance curve

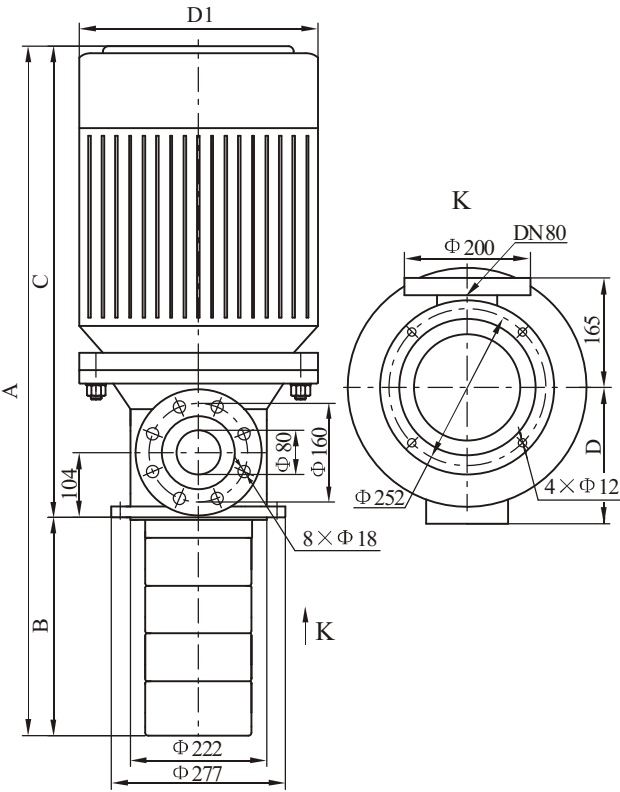
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m³/h)	30	35	40	42	45	50	55	60	65
	(kW)	(hp)										
CDLK42-10/1-1	5.5	7.5	H (m)	29	28	27	26	25	23	21	19	16
CDLK42-10/1	7.5	10		34	33	32	31.5	30	29	27	25	22
CDLK42-20/2-2	11	15		57	55	53	52	49	46	43	38	33
CDLK42-20/2	15	20		69	67	65	63	61	59	55	50	44
CDLK42-30/3-2	18.5	25		90	88	85	83	80	75	72	63	55
CDLK42-30/3	18.5	25		102	100	97	95	92	88	82	76	68
CDLK42-40/4-2	22	30		125	121	118	115	112	105	98	89	78
CDLK42-40/4	30	40		136	133	129	126	123	117	112	102	89
CDLK42-50/5-2	30	40		159	154	149	146	142	134	121	115	99
CDLK42-50/5	30	40		171	166	161	158	154	145	138	126	112
CDLK42-60/6-2	37	50		194	188	182	178	173	163	155	139	122
CDLK42-60/6	37	50		205	200	193	190	186	176	166	152	134
CDLK42-70/7-2	45	60		227	220	213	210	205	193	182	165	144
CDLK42-70/7	45	60		239	232	226	221	216	204	194	178	157

● Installation sketch



● Size and weight

Model	Size (mm)					Weight (kg)
	A	B	C	D	D1	
CDLK42-10/1-1	767	198	569	210	260	83
CDLK42-10/1	767	198	569	210	260	88
CDLK42-20/2-2	1010	278	732	255	330	129
CDLK42-20/2	1010	278	732	255	330	162
CDLK42-30/3-2	1140	358	782	255	330	175
CDLK42-30/3	1140	358	782	255	330	175
CDLK42-40/4-2	1245	438	807	285	360	232
CDLK42-40/4	1320	438	882	310	400	310
CDLK42-50/5-2	1400	518	882	310	400	315
CDLK42-50/5	1400	518	882	310	400	315
CDLK42-60/6-2	1480	598	882	310	400	338
CDLK42-60/6	1480	598	882	310	400	338
CDLK42-70/7-2	1595	678	917	345	450	408
CDLK42-70/7	1595	678	917	345	450	408

The overall dimensions of the single-phase motor and explosion-proof motor are a little changed. Pls contact us for details.

MEMO

CNP India
CNP Pumps India (P) Ltd
(formerly know as 'Nanfang Pumps India (P) Ltd')
Plot No. B-5, 502, Sambhav I.T. Park,
Behind Aplab Company, Wagle Industrial Estate,
MIDC, Thane 400604. INDIA.
Tel no: +91-22-25818400 [100 lines]

CNP Indonesia
PT SOUTHERN INDONESIA (Lindeteves Trade Centre)
Address: Blk RANo56-57, Jl Hayam Wuruk 127, Jakarta 11180, Indonesia
Tel: +62 21 62200955/30012832

CNP Sole Agent-Malaysia
IKHUA ENGINEERING SDN.BHD
Address:Plot F,Lot 1998,Jalan Perusahaan Tiga,
Taman Selesa Jaya, 43300 Balakong,
Selangor Darul Ehsan,Malaysia.
Tel:603-8961 6858(Hunting Line)

CNP Sole Agent-Libya
AL-NABAA WATERTREATMENT TECHNOLOGIES
Address:Alkafif Trade Complex No(7) Aljazier Street,Benghazi, Libya
Tel:00218 61 9090070

CNP Sole Agent-Syria
Hamza Daadouch Trading Company
Address: Al Marjeh-Hamadani St. No.15 Damascus, Syria
Tel:011 2217050-2226770-2211306

CNP Sole Agent-Chile
COSMOPLAS S.A.
Address: RIO REFUGIO 9652 ENEA PUDAHUEL, SANTIAGO CHILE
Tel: (02) 5987000

CNP Sole Agent-Australia & New Zealand
White International Pty Ltd Australia
Address: 52-60 Ashford Ave Milperra, NSW 2214
Tel: 02 9783 6041
White International Pty Ltd New Zealand
Address: 138 Hugo Johnston Drive Penrose, Auckland, New Zealand
Tel: (+64) 09 579 9903

CNP Sole Agent-UK
T-T PUMP
Address: Woore, Cheshire, CW3 9RU, England
Tel: +44 (0)1630 647200

Varna Ltd.
Address: Ukraine, Kharkov, 75, Yakira
Tel: +38 057 738 76 38