

CDM CDMF

50Hz

Light Vertical Multistage
Centrifugal Pump





Company profile

Founded in 1991, CNP has been listed on Shenzhen Stock Exchange on 9th December, 2010; Stock name: CNP; Stock code: 300145

In 2017, CNP's annual output has exceeded 700,000 units/set, with sales over 2 billion, and continues to grow at a double-digit annual rate. CNP has a national-level enterprise technology center, launched ultra-high efficient, new generation CDM (F) light vertical multi-stage centrifugal pump in 2017. All series of light stainless steel pump products grow stably. Advanced frequency conversion water supply equipment has been innovated to the 6th generation. Fire pump and diesel engine have obtained UL certification. TD in-line pump, NIS/NISO end suction pump, NSC split casing pump, WQ sewage pump, metering pump, oil pump and other pump products, can meet various application needs of different fields.

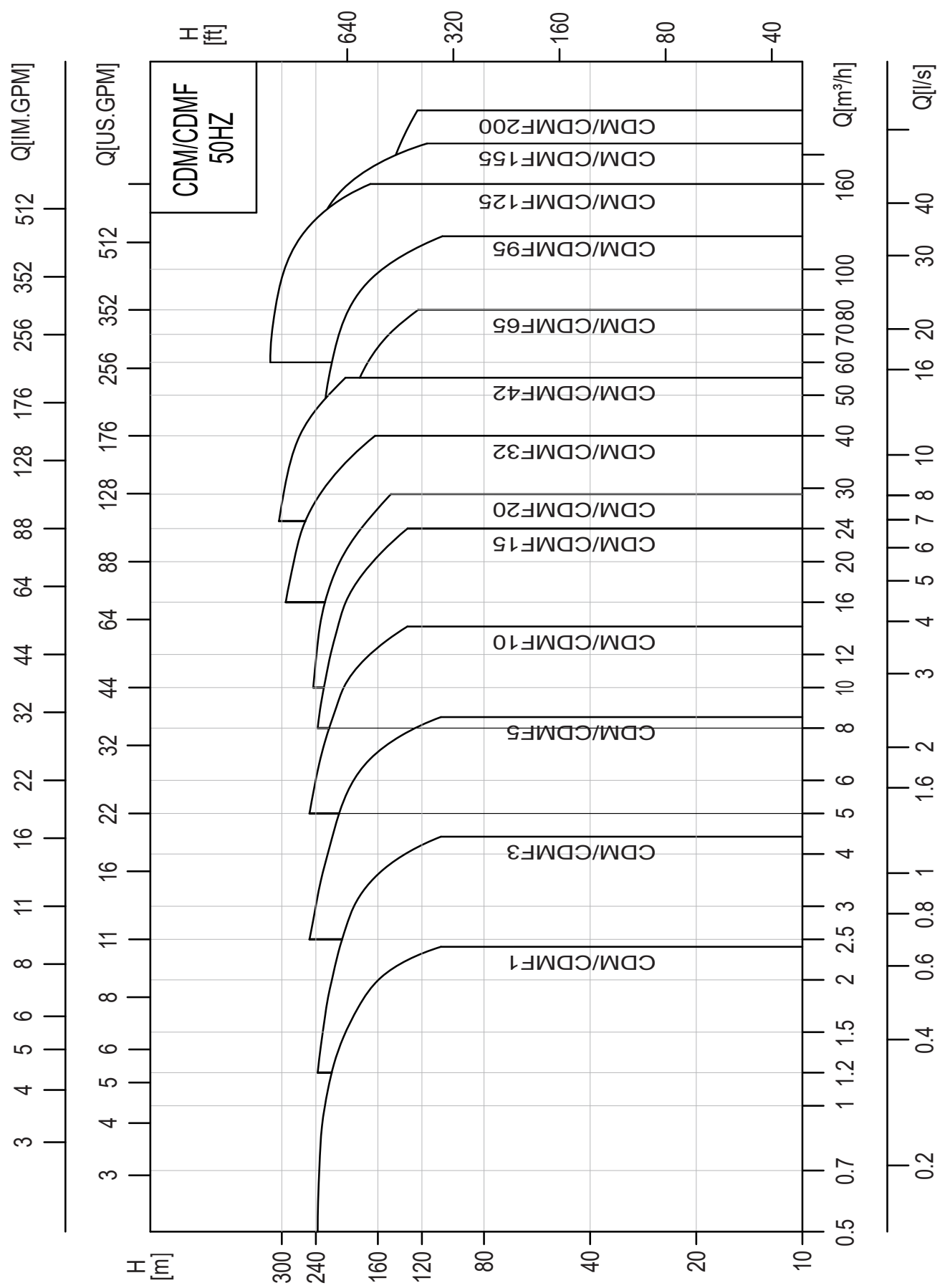
With over 300 domestic offices and foreign agents, CNP has a complete network of marketing services to meet the requirements of overseas and domestic needs. The products have been widely applied in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water, etc.

CNP, a green water expert beside you.

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Performance scope



Performance range

Description		CDM/CDMF					
Rated flow [m³/h]		1	3	5	10	15	20
Rated flow [l/s]		0.28	0.83	1.39	2.78	4.17	5.56
Flow range [m³/h]		0.5~2.4	1.2~4.4	2.5~8.5	5~14	8~24	10~29
Flow range [l/s]		0.14~0.67	0.33~1.22	0.69~2.36	1.39~3.89	2.22~6.67	2.78~8.06
Max. pressure [bar]		22	23	24	24	22	25
Motor power [kW]		0.37~2.2	0.37~3	0.37~5.5	0.75~11	1.1~15	1.1~18.5
Temp [°C]		-15 ~ +120					
Max. efficiency [%]		48	58	70	72	73	73
CDM Pipelines	DIN flange	DN25	DN25	DN32	DN40	DN50	DN50
	Oval flange	G1	G1	G1¼	G1½		
CDMF Pipelines	DIN flange	DN25	DN25	DN32	DN40	DN50	DN50
	Cutting ferrule joint	DN32	DN32	DN32	DN50	DN50	DN50
	Pipe thread	R1¼	R1¼	R1¼	R2	R2	R2
	Oval flange	G1	G1	G1¼	G1½		

Description		CDM/CDMF					
Rated flow [m³/h]		32	42	65	95	125	200
Rated flow [l/s]		8.89	11.67	18.06	26.39	34.72	55.56
Flow range [m³/h]		16~40	25~55	30~80	45~120	60~160	100~240
Flow range [l/s]		4.44~11.11	6.94~15.28	8.33~22.22	12.5~33.33	16.67~44.44	20.83~55.56
Max. pressure [bar]		29	30	22	24	33	28
Motor power [kW]		1.5~30	3~45	4~45	5.5~55	11~110	11~110
Temp [°C]		-15~+120					
Max. efficiency [%]		73	75	76	81.5	83	82
Pipelines	DIN flange	DN65	DN80	DN100	DN100	DN150	DN150

Summary

CDM/CDMF pumps are new generation, high efficiency, non-self-priming vertical multistage centrifugal pumps (Abbr. as pumps). It referred European standard, used entirely new industrial design. It is energy saving, low noise, environment friendly, compact design, beautiful shape, light, easy for service, high reliability.

Motor

Totally enclosed, fan cooled, 2 pole standard motor
IP class: IP55
Insulation class: F
Voltage: 50Hz: 1×200-230/240V
 3×200-220/346-380V
 3×220-240/380-415V

Working conditions

Thin, clean, non-flammable, non-explosive, solid free, fiber free, physically and chemically water-like liquid.

Liquid temperature:

Normal temperature type: -15°C to 70°C

Hot water type: -15°C to 120°C

Ambient temperature: up to +40°C

Altitude: up to 1000m

Application

CDM/CDMF pumps are designed for a variety of applications from the pumping of potable water to the pumping of industrial liquids. Applied for liquids of different temperature, different rated flow, different pressure range. CDM is suitable for non-corrosive liquid, CDMF is suitable for light corrosive liquid.

Boosting: Filtering and transferring water in water factories, delivering water in different zone, pressuring for major pipelines, boosting for high buildings.

Pressuring: Water circulating system, washing system, high pressure flushing system, fire-fighting system.

HVAC: Air condition system

Water treatment: Ultrafiltration system, R/O system, distillation system, separator, swimming pool.

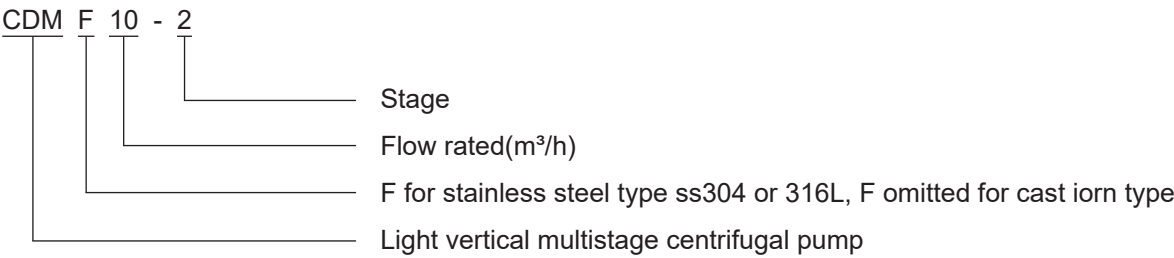
Performance curve

Following conditions are suitable for performance curve below.

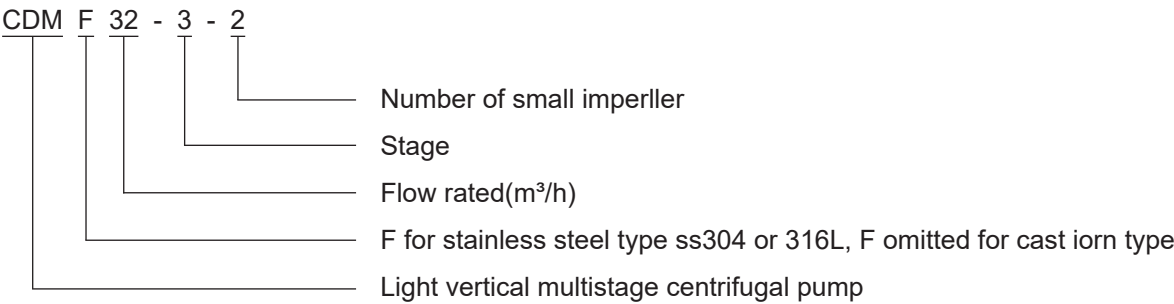
- 1.All curves are based on the measured values of 50Hz; constant motor speed 2900rpm or 2950rpm.
 - 2.Curve tolerance in conformity with ISO 9906:2012, Grade 3B.
 - 3.Measurement is done with 20°C air-free water, kinematic viscosity of 1mm²/sec.
 - 4.The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.
-

Model definition

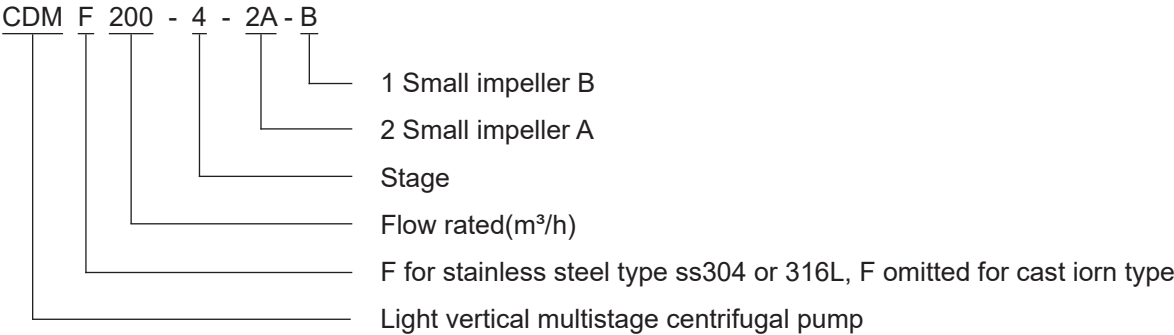
CDM/CDMF 1,3,5,10,15&20



CDM/CDMF 32,42,65,95,125&155



CDM/CDMF 200



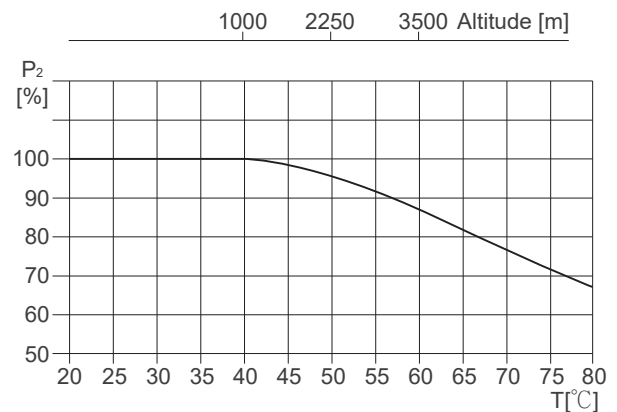
Max.working perssure

Model	Max working(bar)
CDM/CDMF 1,3,5,10,15,20 Flange, cutting ferrule, pipe thread	25
CDM/CDMF 1,3,5,10 oval flange	16
CDM 32-1-1~32-8	16(30)
CDM 32-9-2~32-16	30
CDMF 32	30
CDM 42-1-1~42-6-2	16(30)
CDM 42-6~42-9	25(30)
CDM 42-10-2~42-13-2	30
CDMF 42-1-1~42-9	16(25)
CDMF 42-10-2~42-13-2	25
CDM 65-1-1~65-5-2	16(25)
CDM 65-5-1~65-8-1	25
CDMF 65	25
CDM/CDMF 95	25
CDM/CDMF 125-1~125-5	25
CDMF 125-6~125-10	40
CDM/CDMF 155-1-1~155-4-1	25
CDMF 155-5-2~155-8-2	40
CDM/CDMF 200	20

()Need to specify especially.

Max.ambient temperature, altitude above sea level

When pumps working in the condition of higher than 40°C or higher than 1000m altitude, because the air density lessened, cooling performance is reduced, motor output power P_2 is reduced also. The motor power shall be enlarged in those working conditions.



Min.inlet pressure

In case that the pressure in pump is lower than the steam pressure used to convey liquid, the cavitations will occur. To avoid cavitations, a minimum pressure at the inlet side of the pump shall be guaranteed. The maximum suction stroke can be calculated with following formula:

$$H = p_b \times 10.2 - \text{NPSH} - H_f - H_v - H_s$$

p_b = Barometric pressure in bar.

(Barometric pressure can be set to 1 bar).

In a closed system, p_b means system pressure [bar].

NPSH = Net Positive Suction Head [m].

(It can be read from the point of possible max. flow rate shown on NPSH curve.)

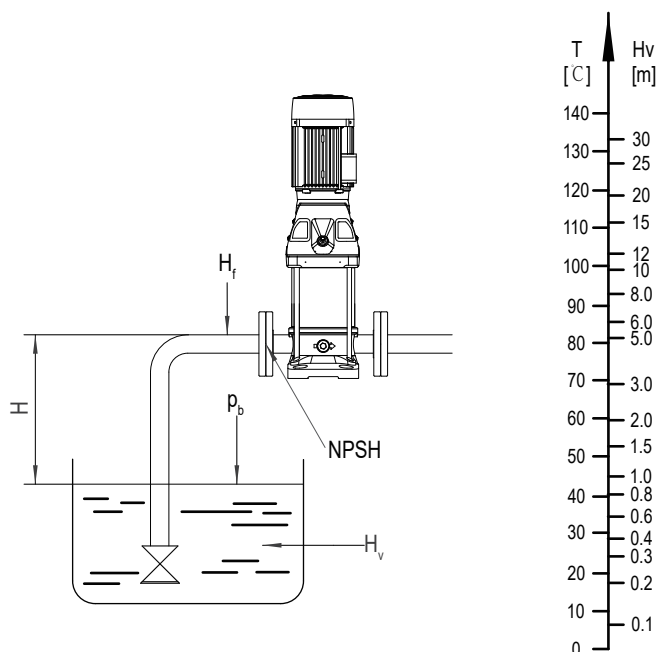
H_f = Pipe friction loss at the inlet[m].

H_v = Vapour pressure [m].

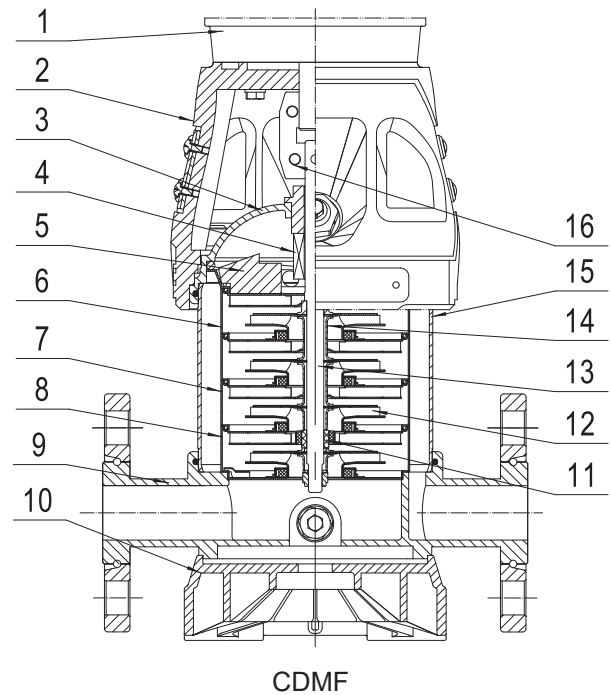
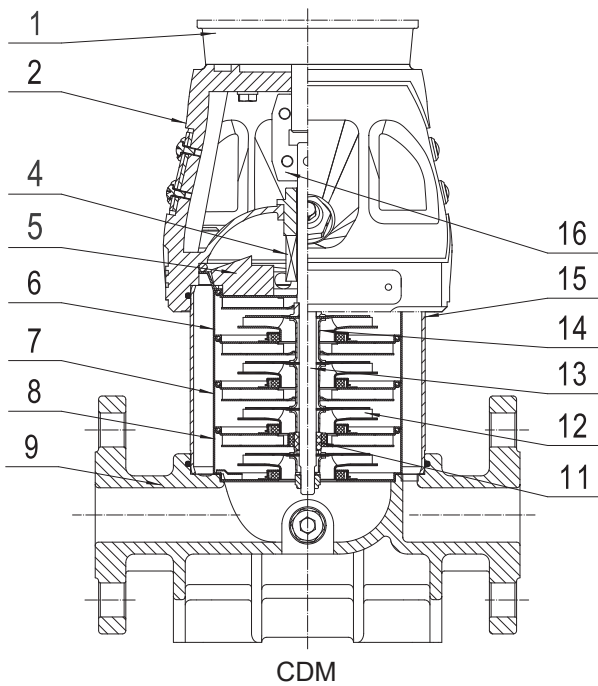
H_s = Safety margin = minimum 0.5 meters head.

If the "H" calculated is positive, the pump may run under the max. suction stroke H.

If the "H" calculated is negative, A head of minimum inlet pressure H is required.



CDM/CDMF 1,3,5 Sectional drawing



CDM 1,3,5 Material list

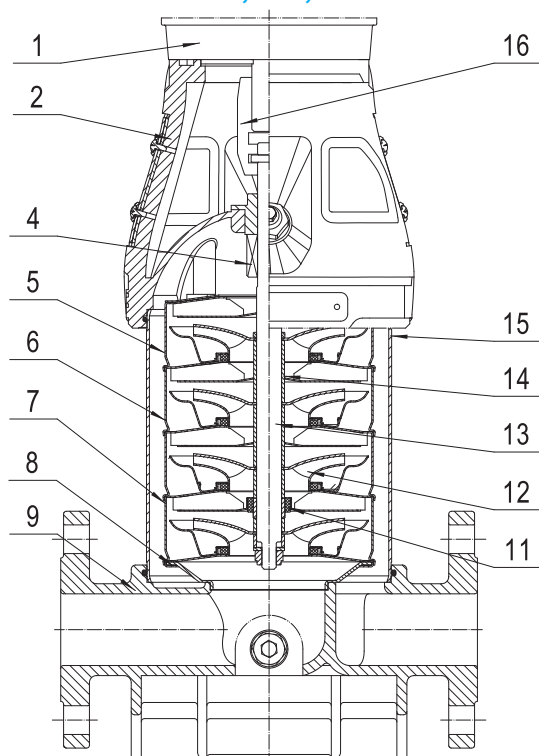
Pos.	Name	Materials	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal	Tungsten carbide /Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Cast iron	ASTM25B
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

Please check with us for other materials.

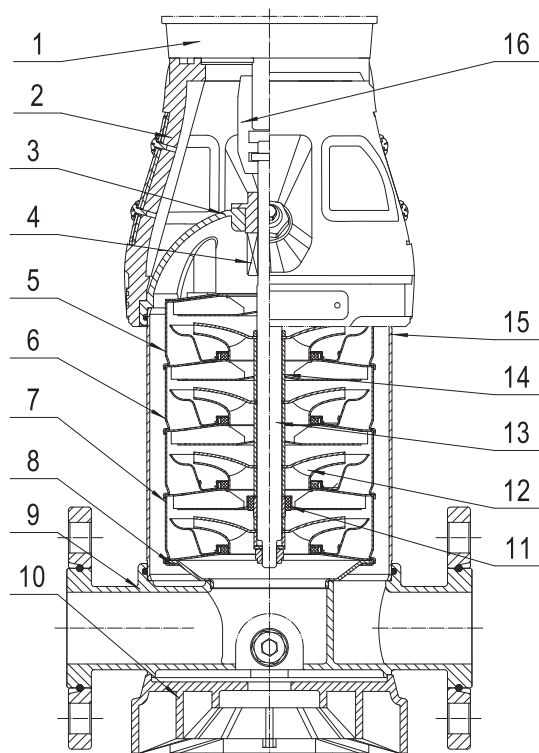
CDMF 1,3,5 Material list

Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
3	Lining	Stainless steel	AISI304
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Stainless steel	AISI304
10	Base plate	Cast aluminum	
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

CDM/CDMF 10,15,20 Sectional drawing



CDM



CDMF

CDM 10,15,20 Material list

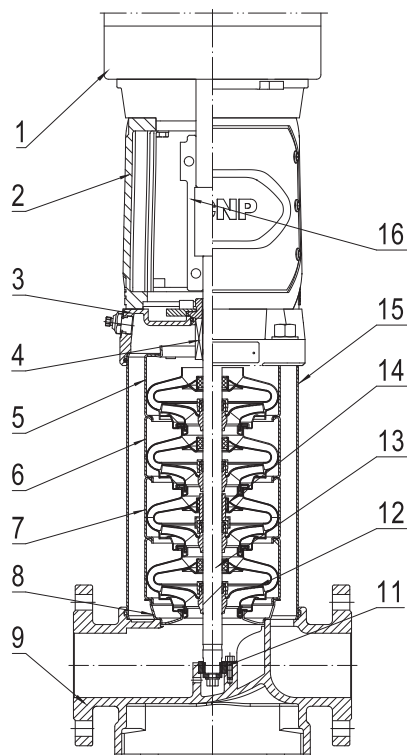
Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Cast iron	ASTM25B
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

Please check with us for other materials.

CDMF 10,15,20 Material list

Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
3	Lining	Stainless steel	AISI304
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Stainless steel	AISI304
10	Base plate	Cast aluminum	
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

CDM/CDMF 32,42,65,85 Sectional drawing

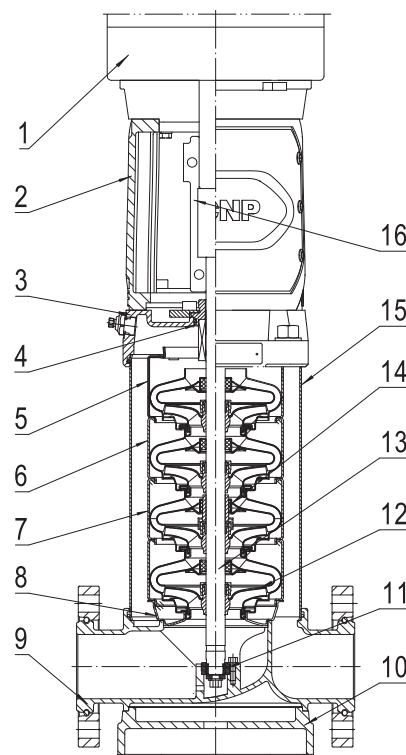


CDM

CDM 32,42,65,85 Material list

Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Bracket	Cast iron	ASTM25B
3	Pump head	Cast iron	ASTM25B
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Cast iron	ASTM25B
11	Bottom bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	Intermediate bearing	Tungsten carbide	
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

Please check with us for other materials.

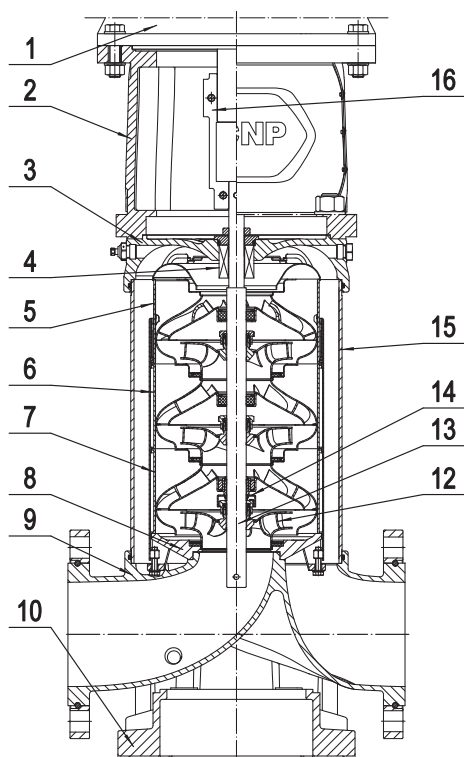


CDMF

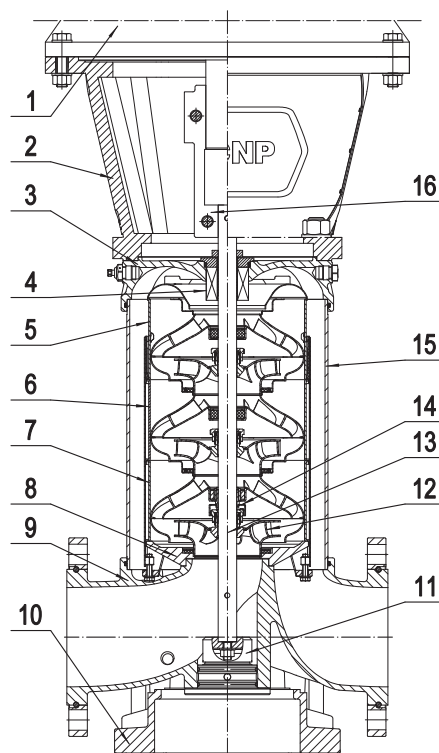
CDMF 32,42,65,85 Material list

Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Bracket	Cast iron	ASTM25B
3	Pump head	Stainless steel	AISI304
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Stainless steel	AISI304
10	Base plate	Cast iron	ASTM25B
11	Bottom bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	Intermediate bearing	Tungsten carbide	
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

CDM/CDMF 95,125,155 Sectional drawing



CDM



CDMF

CDM 95,125,155 Material list

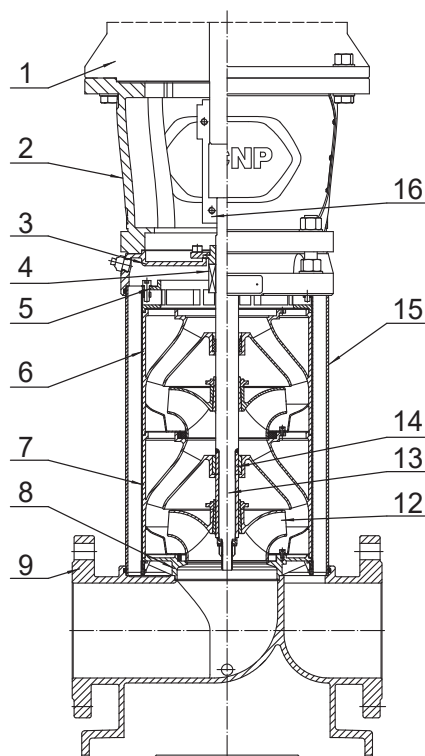
Pos.	Name	Material	AISI/ASTM
1	Motor		
2	motor riser	Cast iron	ASTM 25B
3	Pump head	Cast iron	ASTM 65-45-12
4	Mechanical seal	Tungsten carbide/ Graphite	
5	Top diffuser	Stainless steel	AISI 304
6	Diffuser	Stainless steel	AISI 304
7	Support diffuser	Stainless steel	AISI 304
8	Inducer	Stainless steel	AISI 304
9	Inlet&outlet chamber	Cast iron	ASTM 65-45-12
10	Base	Cast iron	ASTM 65-45-12
12	Impeller	Stainless steel	AISI 304
13	Shaft	Stainless steel	ASTM S32205
14	Sliding bearing	Tungsten carbide	
15	Cylinder	Stainless steel	AISI 304
16	Coupling	Carbon steel	

*THD is only available for models with 75kW power and above.

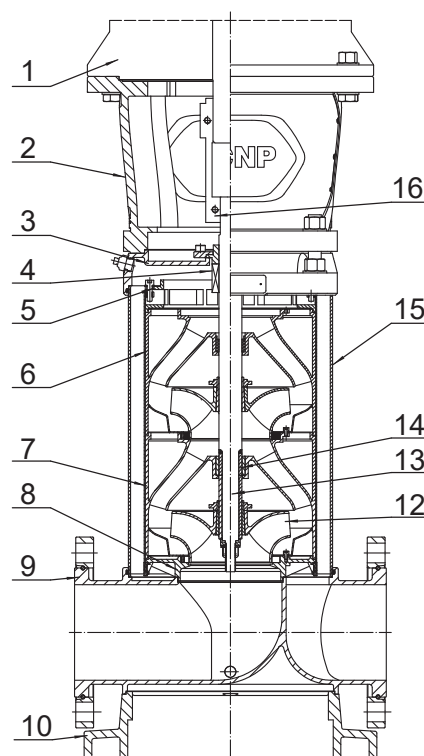
CDMF 95,125,155 Material list

Pos.	Name	Material	AISI/ASTM
1	Motor		
2	motor riser	Cast iron	ASTM 25B
3	Pump head	Stainless steel	AISI 304
4	Mechanical seal	Tungsten carbide/ Graphite	
5	Top diffuser	Stainless steel	AISI 304
6	Diffuser	Stainless steel	AISI 304
7	Support diffuser	Stainless steel	AISI 304
8	Inducer	Stainless steel	AISI 304
9	Inlet&outlet chamber	Stainless steel	AISI 304
10	Base	Cast iron	ASTM 65-45-12
11*	THD	Tungsten carbide/ Silicon carbide	
12	Impeller	Stainless steel	AISI 304
13	Shaft	Stainless steel	ASTM S32205
14	Sliding bearing	Tungsten carbide	
15	Cylinder	Stainless steel	AISI 304
16	Coupling	Carbon steel	

CDM/CDMF 200 Sectional drawing



CDM



CDMF

CDM 200 Material list

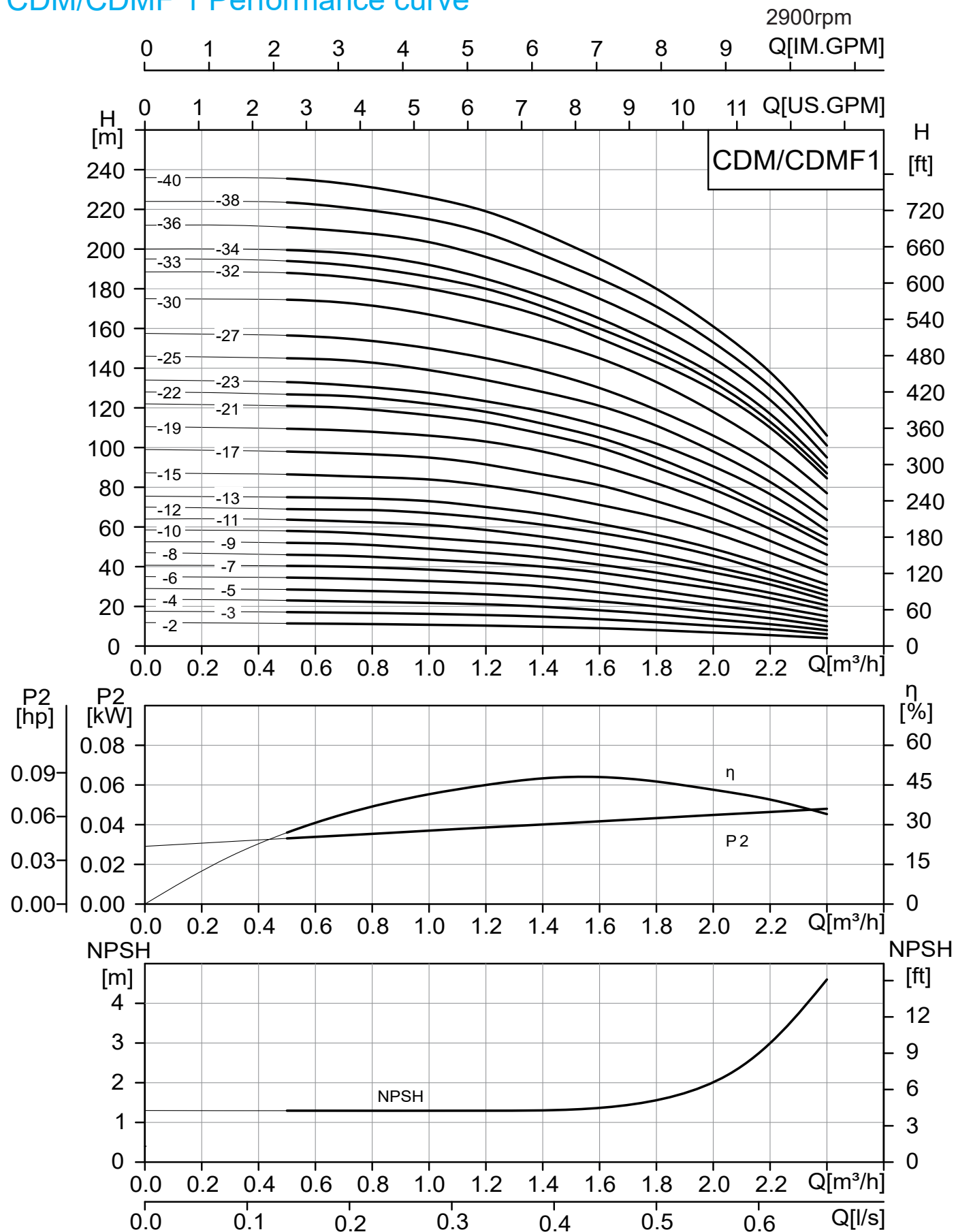
Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Bracket	Cast iron	ASTM25B
3	Pump head	Cast iron	ASTM25B
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Discharge	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Cast iron	ASTM25B
10	Base plate	Cast iron	ASTM25B
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	bearing	Tungsten carbide	
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

CDMF 200 Material list

Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Bracket	Cast iron	ASTM25B
3	Pump head	Stainless steel	AISI304
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Discharge	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Stainless steel	AISI304
10	Base plate	Cast iron	ASTM25B
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304
14	bearing	Tungsten carbide	
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel/ Powder metallurgy	

Please check with us for other materials.
CDM200 series has no NO.10

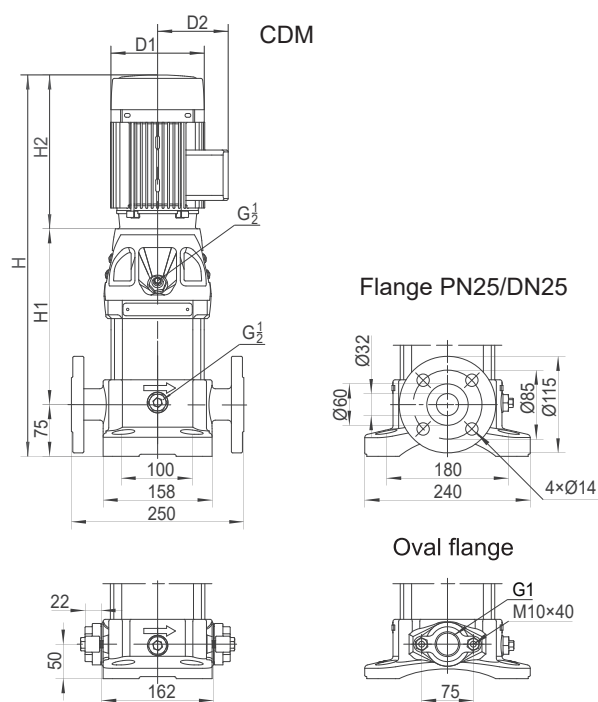
CDM/CDMF 1 Performance curve



CDM/CDMF 1 Performance table

Model	Motor		Q (m³/h)	0	0.5	0.7	1	1.2	1.4	1.6	1.8	2	2.2	2.4
	(kW)	(hp)												
1-2	0.37	0.5	H (m)	11.8	11.5	11.2	10.5	10.3	9.7	9	8	6.8	5.5	4
1-3	0.37	0.5		17.5	17	16.8	16	15.6	14.8	13.5	12	10	8.5	6
1-4	0.37	0.5		23.5	23	22.5	21.5	21	19.8	18	16	13.5	11	8
1-5	0.37	0.5		29	28.5	28	27	26	24.5	22.5	20	17	14	10
1-6	0.37	0.5		35	34.5	34	32.5	31.5	30	27	24	20.5	17	12.5
1-7	0.37	0.5		41	40.5	40	39	37	35	32	28	24	20	15
1-8	0.55	0.75		47	46	45.5	43.5	42	40	37	33	29	24.5	18
1-9	0.55	0.75		52.5	52	51.5	49	47	44.5	41	37	32	27	20.5
1-10	0.55	0.75		58.5	58	57	55	52.5	50	46	42	37	31	23
1-11	0.55	0.75		64	63.5	63	61	58.5	55	51	46	40	33.5	25.5
1-12	0.75	1		70	69	68.5	67	64.5	61	57	52	45.5	37	28
1-13	0.75	1		75.5	75	74.5	73	70	66.5	61.5	56	49	40.5	31
1-15	0.75	1		87.5	86.5	85.5	84	81	76.5	71	65	57	47	36
1-17	1.1	1.5		99	98	97	95	91.5	86.5	81	73	64	53	41
1-19	1.1	1.5		110	109	108	106	103	98	91	82	72	59	46
1-21	1.1	1.5		122	121	120	117	113	107	100	90	78	65	50
1-22	1.1	1.5		128	127	126	122	118	112	105	95	83	69	54
1-23	1.5	2		134	133	132	128	123	118	111	102	90.5	76.5	58
1-25	1.5	2		146	145	144	139	134	128	121	111	98	83	63
1-27	1.5	2		158	157	155	150	145	138	130	119	106	90	69
1-30	1.5	2		175	174	172	167	161	154	145	133	118	100	77
1-32	2.2	3		189	188	186	180	174	166	155	143	129	110	85
1-33	2.2	3		195	194	192	186	180	171	160	148	133	113	87
1-34	2.2	3		200	199	198	192	185	176	165	152	137	117	90
1-36	2.2	3		212	211	209	203	196	186	175	161	145	124	95
1-38	2.2	3		225	224	221	215	208	197	185	171	153	131	101
1-40	2.2	3		237	236	233	226	219	208	195	180	161	138	106

CDM/CDMF 1 Dimensional sketch

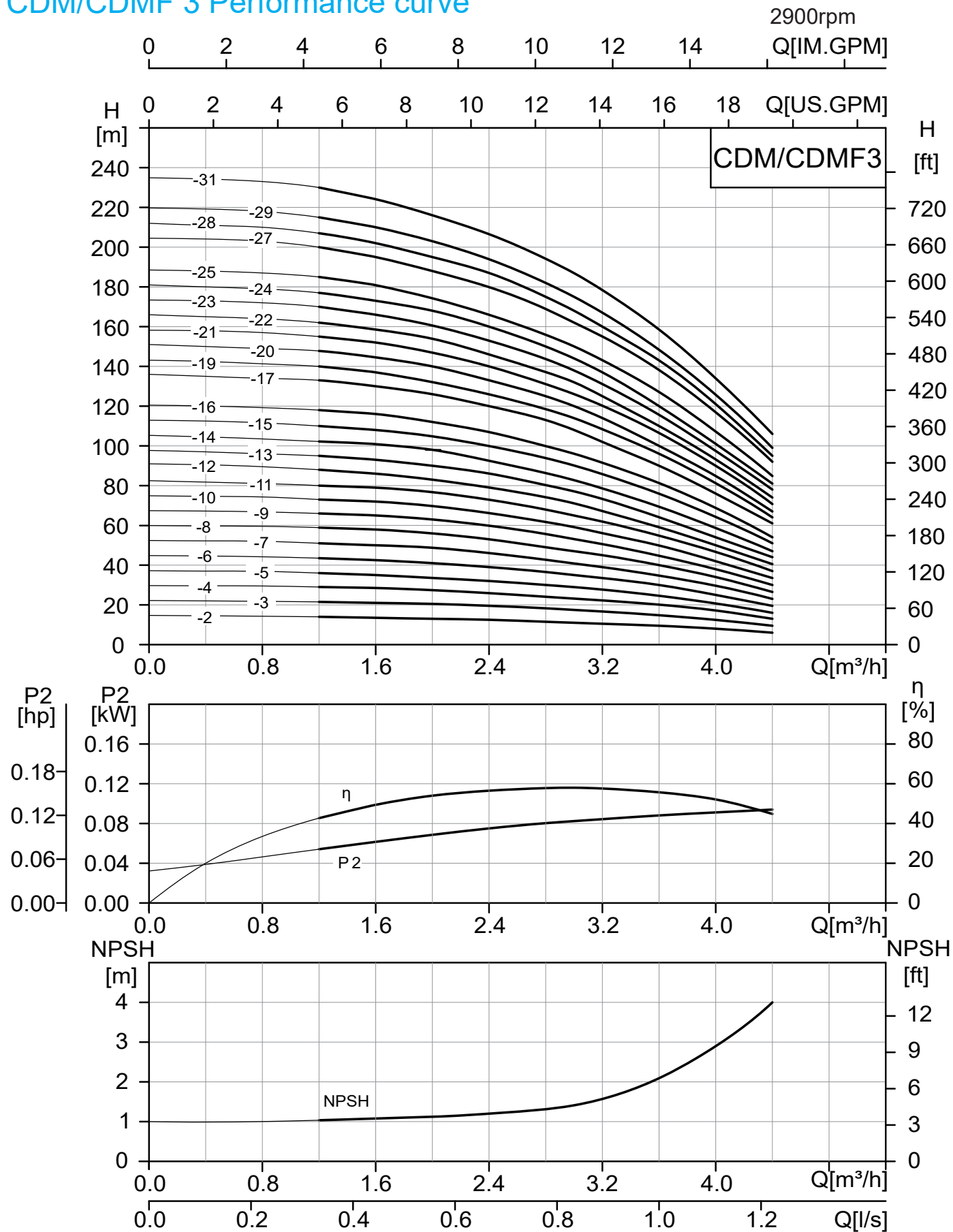


Note1: CDM/CDMF 1-27~1-40 have no oval flange pipeline connection.
 Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H(Flange/Oth.)	D1	D2	CDM	CDMF
1-2	187	220	482/457	140	103	23	19
1-3	207	220	502/477	140	103	23	19
1-4	227	220	522/497	140	103	24	20
1-5	247	220	542/517	140	103	24	20
1-6	267	220	562/537	140	103	25	21
1-7	287	220	582/557	140	103	25	21
1-8	307	220	602/577	140	103	27	23
1-9	327	220	622/597	140	103	27	23
1-10	347	220	642/617	140	103	28	24
1-11	367	220	662/637	140	103	28	24
1-12	397	250	722/697	148	108	31	27
1-13	417	250	742/717	148	108	31	27
1-15	457	250	782/757	148	108	32	28
1-17	497	250	822/797	148	108	35	31
1-19	537	250	862/837	148	108	36	32
1-21	577	250	902/877	148	108	36	32
1-22	597	250	922/897	148	108	37	33
1-23	627	293	995/970	172	120	43	39
1-25	667	293	1035/1010	172	120	44	40
1-27	707	293	1075/1050	172	120	45	41
1-30	767	293	1135/1110	172	120	46	42
1-32	807	293	1175/1150	172	120	49	45
1-33	827	293	1195/1170	172	120	49	45
1-34	847	293	1215/1190	172	120	50	46
1-36	887	293	1255/1230	172	120	51	47
1-38	927	293	1295/1270	172	120	51	47
1-40	967	293	1335/1310	172	120	52	48

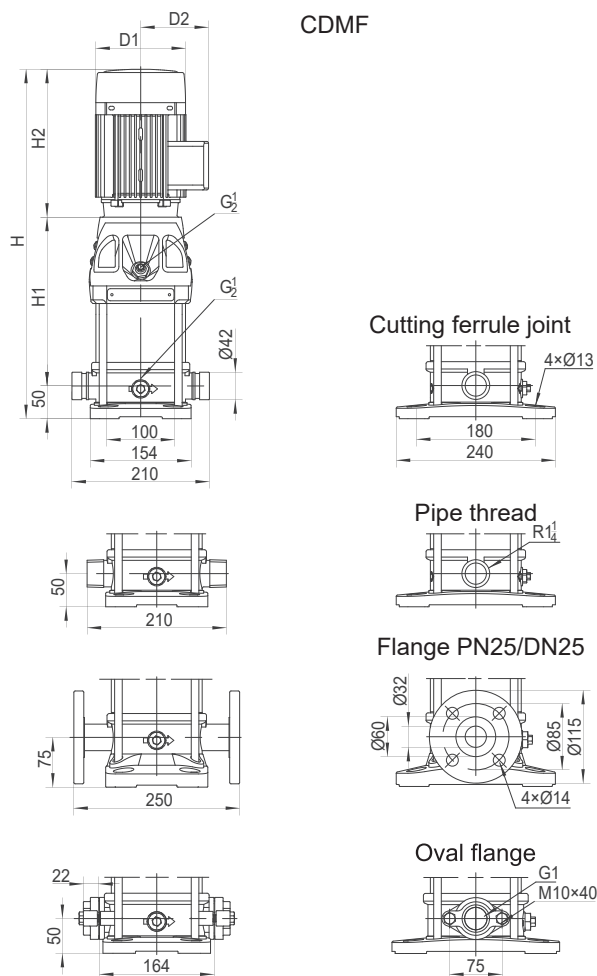
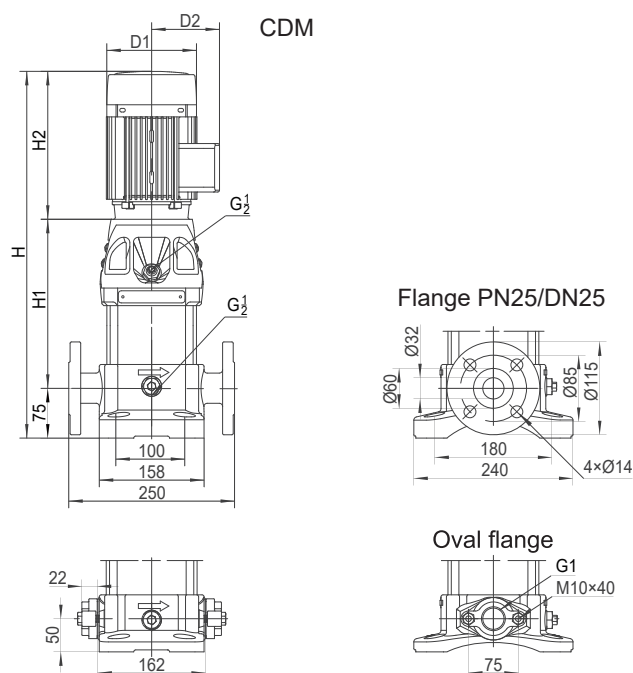
CDM/CDMF 3 Performance curve



CDM/CDMF 3 Performance table

Model	Motor		Q (m³/h)	0	1.2	1.6	2	2.4	2.8	3	3.2	3.6	4	4.4
	(kW)	(hp)												
3-2	0.37	0.5	H (m)	14.7	14	13.5	13	12.5	11.5	11	10.5	9.5	8	6
3-3	0.37	0.5		22.2	21.5	21	20.5	19.5	18	17	16.5	15	12.5	9.5
3-4	0.37	0.5		29.7	29	28.5	27.5	26	24	23	22	20	17	13
3-5	0.55	0.75		37.2	36	35	33.5	32	30	29	28	25	21	16
3-6	0.55	0.75		45	43.5	42.5	41	39	36.5	35	33.5	30	25	19.5
3-7	0.75	1		52.5	51	50	49	46	43	41	39.5	35	30	23
3-8	0.75	1		60	58.5	58	56	53	49	47	45	40	34	26.5
3-9	1.1	1.5		67.5	66	65	63	60	56	53	51	45	38	30
3-10	1.1	1.5		75	73	72	70	66	61	59	56	50	42	33.5
3-11	1.1	1.5		82.5	80	79	77	73	68	65	62	55	47	37
3-12	1.1	1.5		90	88	86	83	79	74	71	67	59	50	40.5
3-13	1.5	2		98	95	93	90	86	80	77	73	64	54	44
3-14	1.5	2		105	102	101	98	92.5	86	83	78	69	58	47
3-15	1.5	2		113	110	108	105	100	94	90	86	76	64	51
3-16	1.5	2		120	118	116	112	107	100	96	92	81	69	54
3-18	2.2	3		136	133	130	126	120	113	108	102	90	76	61
3-19	2.2	3		143	140	137	132	126	119	114	108	96	82	64
3-20	2.2	3		151	148	144	140	133	125	120	114	100	85	67
3-21	2.2	3		158	155	152	147	140	131	126	120	106	90	71
3-22	2.2	3		166	162	158	154	146	137	132	125	110	93	74
3-23	2.2	3		173	170	166	161	153	144	138	131	115	97	78
3-24	2.2	3		181	177	173	168	160	150	144	137	120	101	81
3-25	3	4		188	185	181	175	166	156	150	142	125	105	85
3-27	3	4		204	200	195	188	180	169	162	155	138	117	92
3-28	3	4		212	207	202	195	187	175	168	160	143	121	95
3-29	3	4		220	215	210	203	194	182	175	167	148	126	99
3-31	3	4		235	230	224	216	207	194	187	178	159	134	106

CDM/CDMF 3 Dimensional sketch

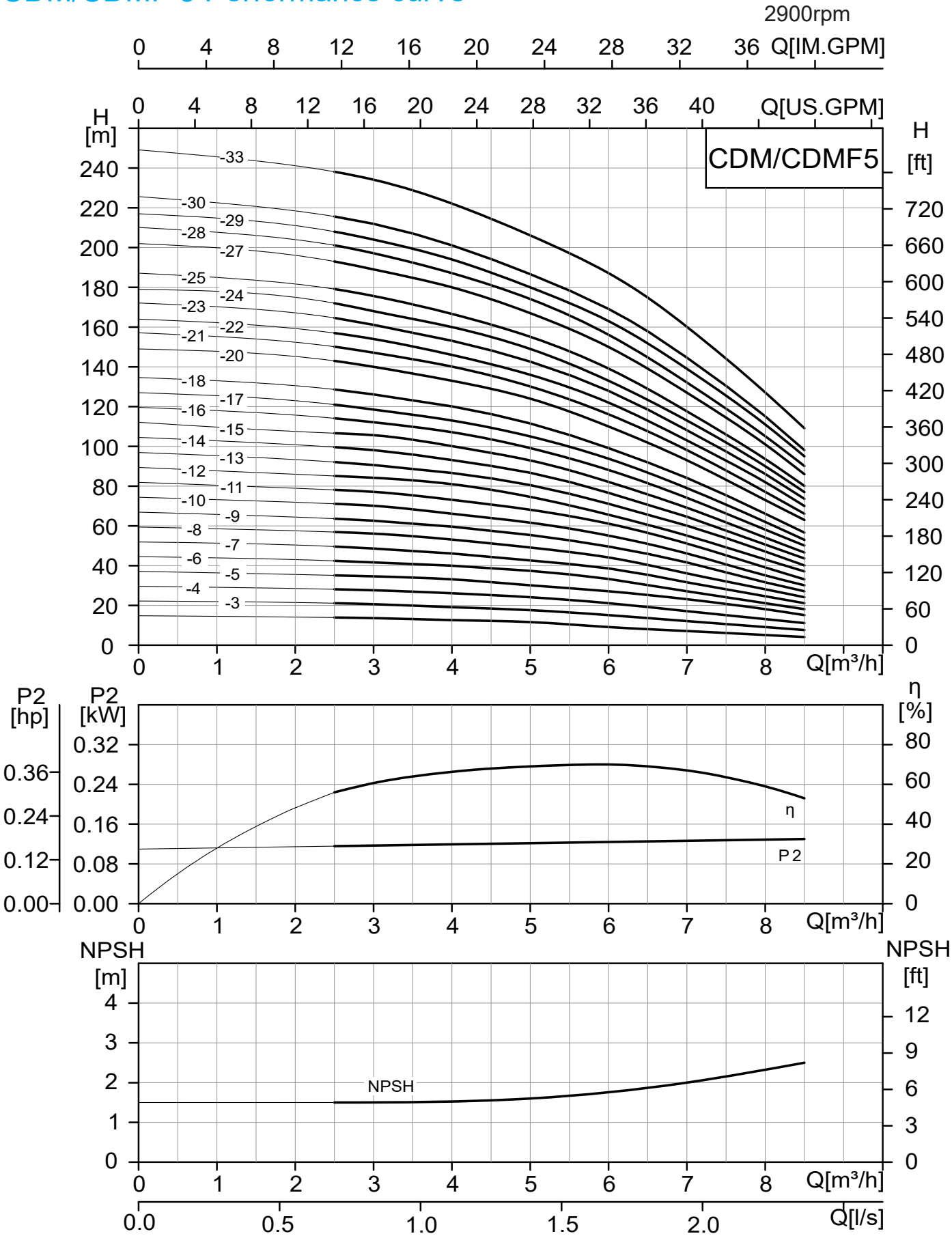


Note1: CDM/CDMF 3-21~3-31 have no oval flange pipeline connection.
 Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H(Flange/Oth.)	D1	D2	CDM	CDMF
3-2	187	220	482/457	140	103	24	20
3-3	207	220	502/477	140	103	24	20
3-4	227	220	522/497	140	103	25	21
3-5	247	220	542/517	140	103	26	22
3-6	267	220	562/537	140	103	27	23
3-7	297	250	622/597	148	108	30	26
3-8	317	250	642/617	148	108	30	26
3-9	337	250	662/637	148	108	32	28
3-10	357	250	682/657	148	108	33	29
3-11	377	250	702/677	148	108	33	29
3-12	397	250	722/697	148	108	34	30
3-13	427	293	795/770	172	120	39	35
3-14	447	293	815/790	172	120	40	36
3-15	467	293	835/810	172	120	40	36
3-16	487	293	855/830	172	120	41	37
3-18	527	293	895/870	172	120	43	39
3-19	547	293	915/890	172	120	44	40
3-20	567	293	935/910	172	120	44	40
3-21	587	293	955/930	172	120	45	41
3-22	607	293	975/950	172	120	45	41
3-23	627	293	995/970	172	120	46	42
3-24	647	293	1015/990	172	120	46	42
3-25	677	345	1097/1072	197	132	57	53
3-27	717	345	1137/1112	197	132	58	54
3-28	737	345	1157/1132	197	132	58	54
3-29	757	345	1177/1152	197	132	58	54
3-31	797	345	1217/1192	197	132	59	55

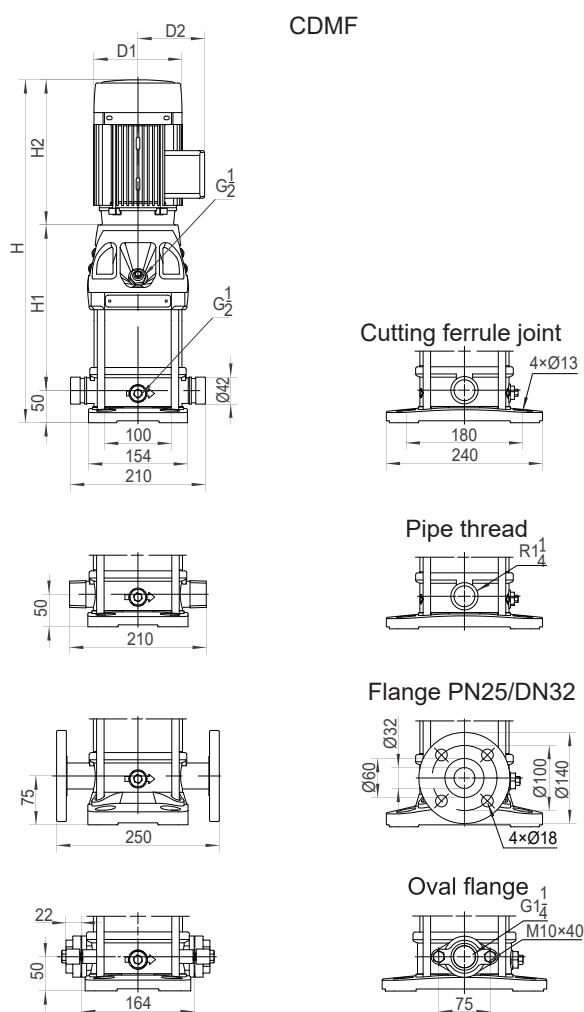
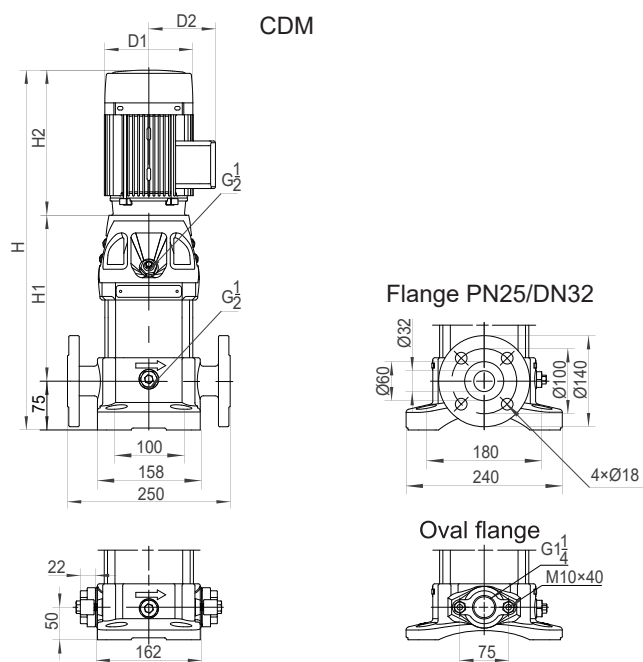
CDM/CDMF 5 Performance curve



CDM/CDMF 5 Performance table

Model	Motor		Q (m³/h)	0	2.5	3	4	5	6	7	8	8.5
	(kW)	(hp)										
5-2	0.37	0.5	H (m)	14.7	13.5	13.3	12.5	11.5	9	7	5	4
5-3	0.55	0.75		22.1	21	20.5	19	17.5	15	12	9	7.5
5-4	0.55	0.75		29.5	28	27.5	26	24	21	17	13	11
5-5	0.75	1		37	35	34.5	33	30	27	23	18	15
5-6	1.1	1.5		44.5	42	41.5	40	37	33	27	21	18
5-7	1.1	1.5		52	49.5	48.5	46	42.5	38.5	31.5	24.5	21
5-8	1.1	1.5		59	57	56	53	49	44	36	28	24
5-9	1.5	2		67	64	63	60	55	49.5	41.5	31.5	27
5-10	1.5	2		74.5	71	70	66	62	55	46	35	30
5-11	1.5	2		82	78	77	73	68	61	51	39	33
5-12	2.2	3		89.5	85	84	81	74.5	66	55	43	37
5-13	2.2	3		97	92	91	87	80	71	60	47	40
5-14	2.2	3		104	100	98	93	87	77	65	51	43.5
5-15	2.2	3		112	107	106	100	93	82	69	54	46.5
5-16	2.2	3		119	114	112	107	99	88	74	58	50
5-17	3	4		127	121	118.5	113	105	94	79	62	53
5-18	3	4		134	128	126	120	111	99	84	66	56
5-20	3	4		149	143	140	133	124	110	93	73	63
5-21	3	4		157	150	147	140	130	116	98	77	66
5-22	4	5.5		164	157	154	146	136	122	103	82	70
5-23	4	5.5		172	165	161	153	142	128	108	86	74
5-24	4	5.5		179	172	168	160	149	133	113	90	77
5-25	4	5.5		187	179	175	167	155	139	117	93	80
5-27	4	5.5		202	193	189	180	168	150	127	101	86
5-28	4	5.5		210	201	197	187	174	156	132	105	90
5-29	5.5	7.5		217	208	204	194	180	163	139	111	95
5-30	5.5	7.5		225	216	212	201	186	169	144	115	98
5-33	5.5	7.5		249	238	234	222	206	187	160	127	109

CDM/CDMF 5 Dimensional sketch

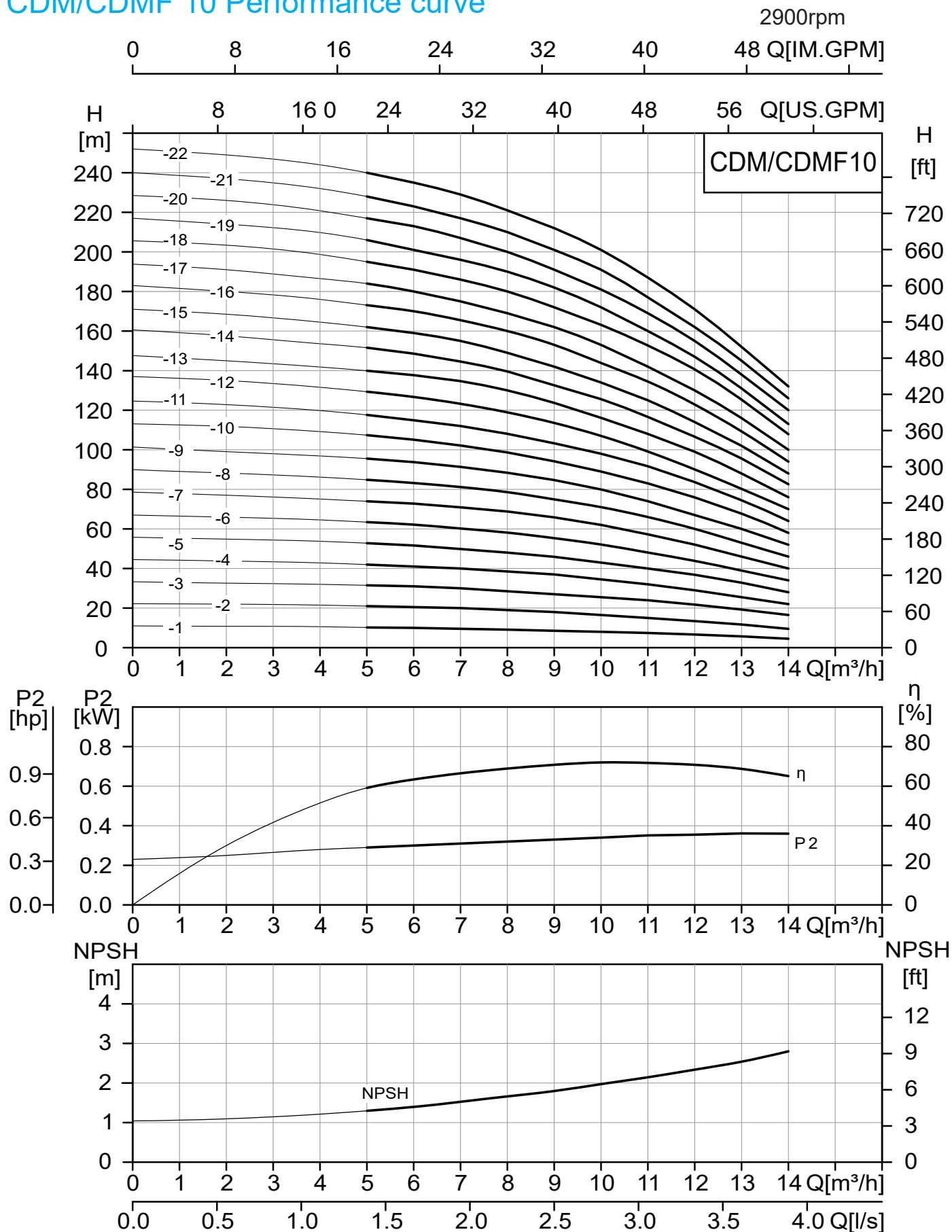


Note1: CDM/CDMF 5-21~5-33 have no oval flange pipeline connection.
 Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H(Flange/Oth.)	D1	D2	CDM	CDMF
5-2	201	220	496/471	140	103	24	19
5-3	228	220	523/498	140	103	26	21
5-4	255	220	550/525	140	103	27	22
5-5	292	250	617/592	148	108	30	25
5-6	319	250	644/619	148	108	32	27
5-7	346	250	671/646	148	108	32	27
5-8	373	250	698/673	148	108	33	28
5-9	410	293	778/753	172	120	38	33
5-10	437	293	805/780	172	120	39	34
5-11	464	293	832/807	172	120	39	34
5-12	491	293	859/834	172	120	42	37
5-13	518	293	886/861	172	120	42	37
5-14	545	293	913/888	172	120	43	38
5-15	572	293	940/915	172	120	43	38
5-16	599	293	967/942	172	120	44	39
5-17	636	345	1056/1031	197	132	55	50
5-18	663	345	1083/1058	197	132	55	50
5-20	717	345	1137/1112	197	132	56	51
5-21	744	345	1164/1139	197	132	57	52
5-22	771	348	1194/1169	215	151	64	59
5-23	798	348	1221/1196	215	151	65	60
5-24	825	348	1248/1223	215	151	65	60
5-25	852	348	1275/1250	215	151	66	61
5-27	906	348	1329/1304	215	151	67	62
5-28	933	348	1356/1331	215	151	67	62
5-29	1035	390	1500/1475	260	168	87	82
5-30	1062	390	1527/1502	260	168	88	83
5-33	1143	390	1608/1583	260	168	89	84

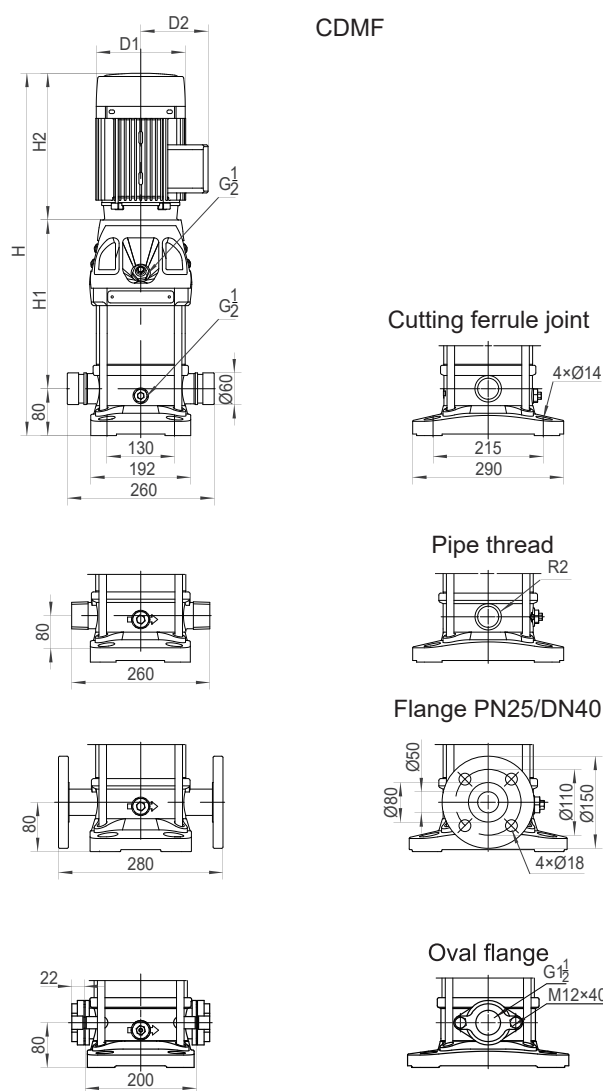
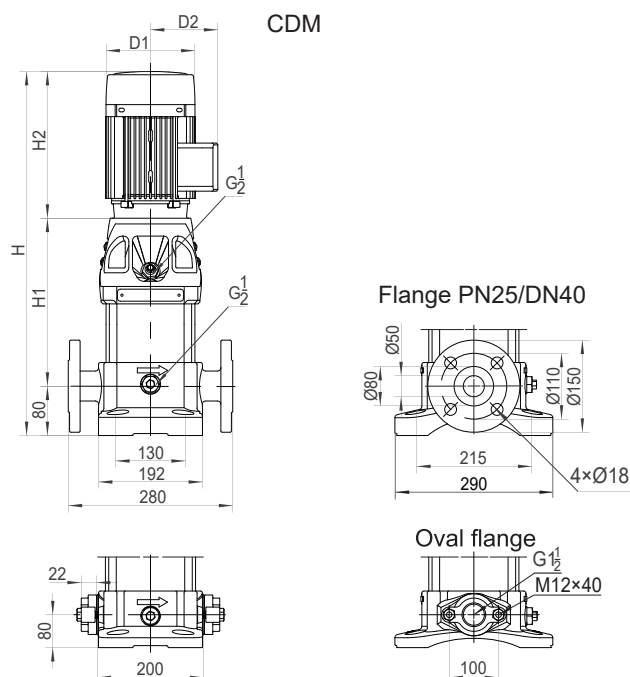
CDM/CDMF 10 Performance curve



CDM/CDMF 10 Performance table

Model	Motor		Q (m ³ /h)	0	5	6	8	10	12	14
	(kW)	(hp)								
10-1	0.75	1	H (m)	11	10.2	10	9	8	7	4.5
10-2	0.75	1		22.2	21	20.5	19	16.5	13.5	9.5
10-3	1.1	1.5		33.3	31.5	31	28.5	25.5	22	16.5
10-4	1.5	2		44.5	42	41	38	34	29	22
10-5	2.2	3		56	52.5	51	48	43	37	28
10-6	2.2	3		67	63	62	58	52	44	34
10-7	3	4		78.5	74	73	69	62	52	40
10-8	3	4		90	85	84	79	71	60	46
10-9	4	5.5		101.5	96	94	89	80	67	52
10-10	4	5.5		113	107	105	98	89	76	58
10-11	4	5.5		124	118	115	108	98	84	64
10-12	4.5	6		137	129	127	119	107	91	70
10-13	5.5	7.5		147	140	138	130	116	99	76
10-14	5.5	7.5		160	151	148	139	125	106	82
10-15	5.5	7.5		171	162	159	149	134	114	88
10-16	7.5	10		183	173	170	159	144	123	94
10-17	7.5	10		194	184	180	169	153	130	100
10-18	7.5	10		205	195	191	180	163	141	108
10-19	7.5	10		217	206	201	190	172	147	113
10-20	7.5	10		228	217	213	200	181	155	120
10-21	7.5	10		240	228	223	210	191	162	126
10-22	11	15		250	240	235	221	201	171	132

CDM/CDMF 10 Dimensional sketch

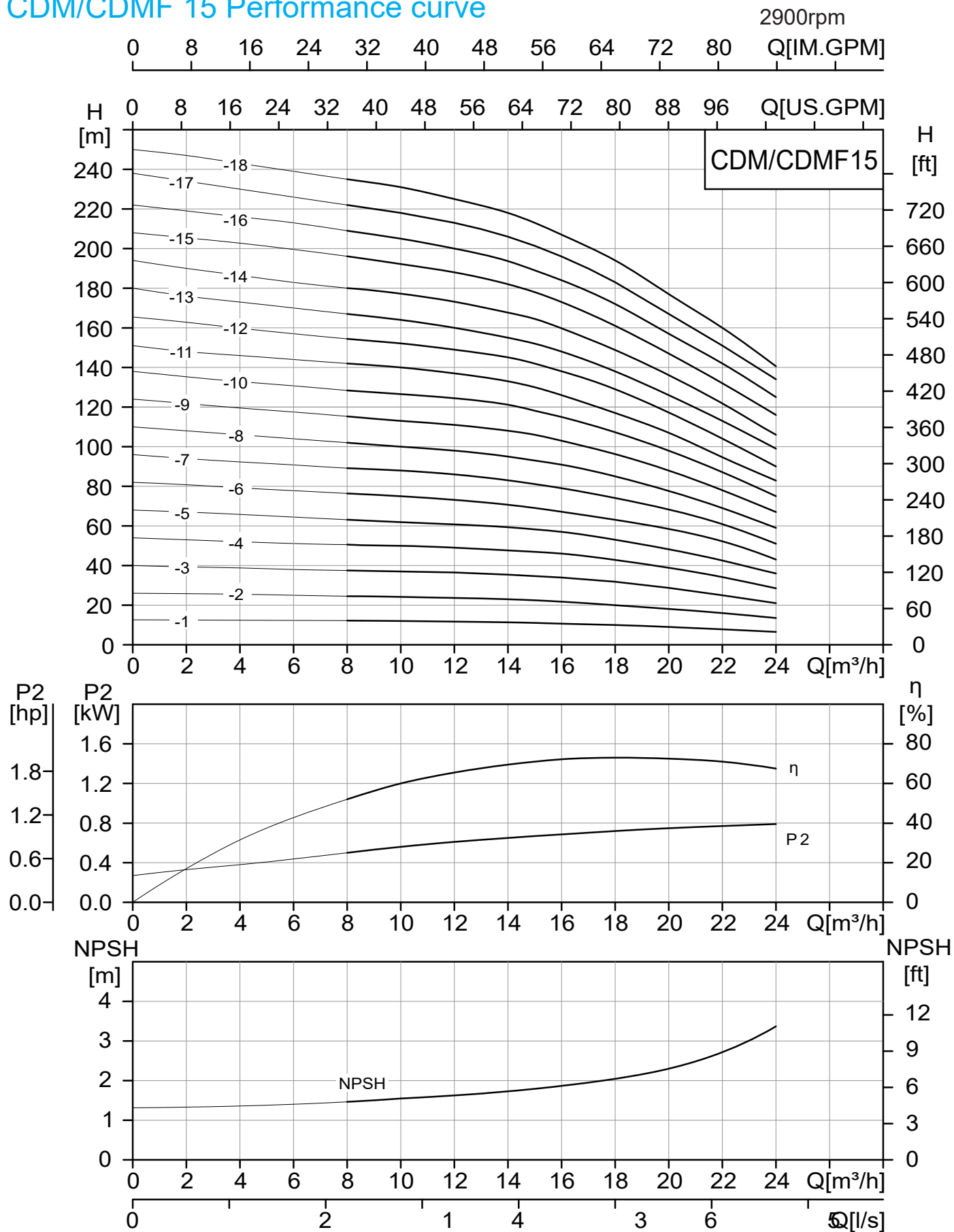


Note1: CDM/CDMF 10-15~10-22 have no oval flange pipeline connection.
 Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
10-1	267	250	597	148	108	31	29
10-2	267	250	597	148	108	32	30
10-3	297	250	627	148	108	35	33
10-4	337	293	710	172	120	41	39
10-5	367	293	740	172	120	45	43
10-6	397	293	770	172	120	46	44
10-7	437	345	862	197	132	57	55
10-8	467	345	892	197	132	58	56
10-9	497	348	925	215	151	65	63
10-10	527	348	955	215	151	66	64
10-11	557	348	985	215	151	67	65
10-12	587	348	1015	215	151	68	66
10-13	695	390	1165	260	168	88	86
10-14	725	390	1195	260	168	89	87
10-15	755	390	1225	260	168	90	88
10-16	785	390	1255	260	168	99	97
10-17	815	390	1285	260	168	100	98
10-18	845	390	1315	260	168	101	99
10-19	875	390	1345	260	168	102	100
10-20	905	390	1375	260	168	103	101
10-21	935	390	1405	260	168	104	102
10-22	995	500	1575	330	205	170	168

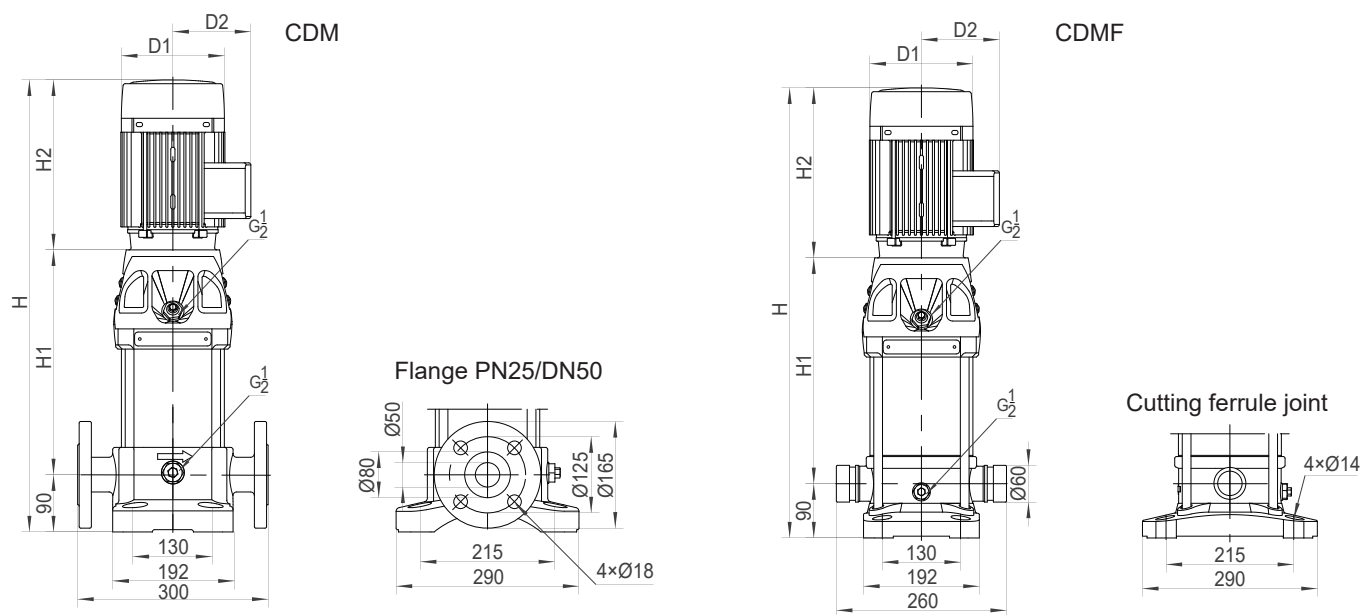
CDM/CDMF 15 Performance curve



CDM/CDMF 15 Performance table

Model	Motor		Q (m³/h)	0	8	10	12	14	15	16	18	20	22	24
	(kW)	(hp)												
15-1	1.1	1.5	H (m)	12.6	12.2	12	11.8	11.5	11	10.5	10	9	8	6.5
15-2	2.2	3		26	24.5	24	23.5	23	22.5	21.5	20	18	16	13.5
15-3	3	4		40	37.5	37	36.5	35.5	34.5	34	32	29	25	21
15-4	4	5.5		54	50.5	50	49	47.5	47	46	43	39	34	28.5
15-5	4	5.5		68	63	62	61	59	58	57	53	48	42.5	36
15-6	5.5	7.5		82	76	75	73	71	69	67	63	58	52	43
15-7	5.5	7.5		96	89	88	86	83	81	79	74	68	61	51
15-8	7.5	10		110	102	100	98	95	93	91	85	78	69	59
15-9	7.5	10		124	115	113	111	108	106	103	96	88	78	67
15-10	11	15		138	128	126	124	121	118	115	107	98	87	75
15-11	11	15		151	142	140	137	133	130	126	117	107	95	83
15-12	11	15		166	154	152	149	145	142	138	129	117	104	90
15-13	11	15		180	167	164	160	155	152	148	138	126	113	99
15-14	11	15		194	180	177	173	168	165	160	149	136	122	106
15-15	15	20		208	196	192	188	182	178	173	161	147	132	116
15-16	15	20		222	209	205	200	194	189	184	172	157	142	125
15-17	15	20		236	222	218	213	206	201	196	183	167	151	132
15-18	15	20		250	235	231	225	218	213	207	194	177	160	141

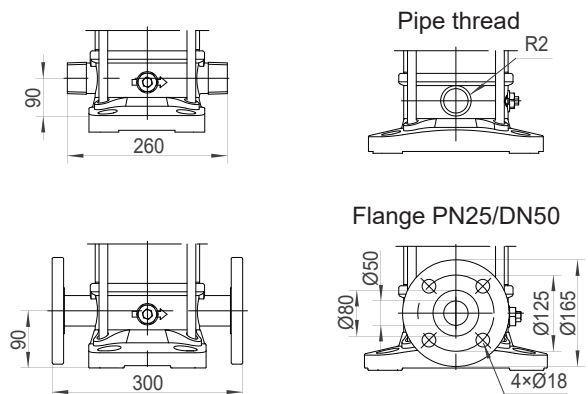
CDM/CDMF 15 Dimensional sketch



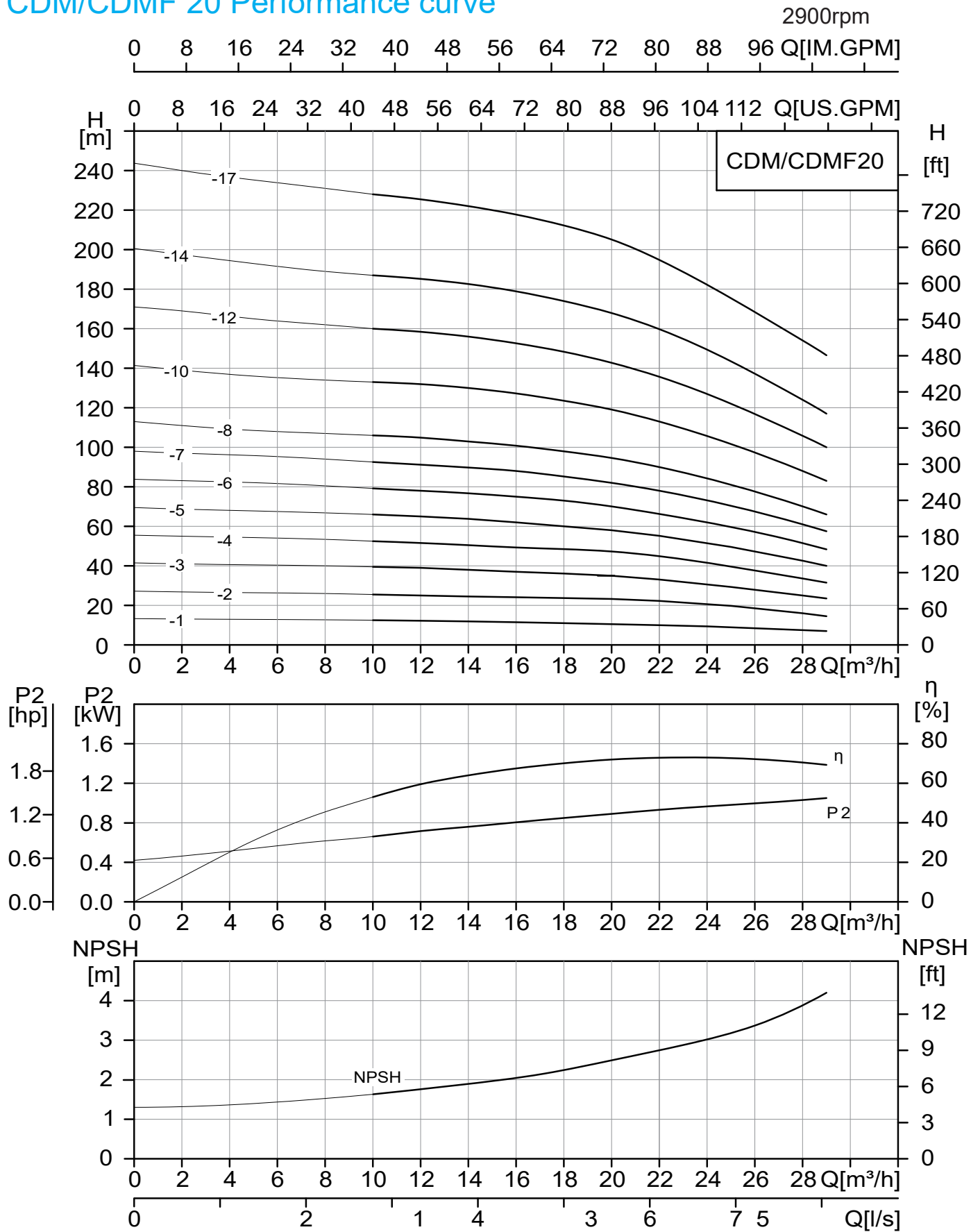
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
15-1	297	250	637	148	108	40	33
15-2	307	293	690	172	120	48	41
15-3	362	345	797	197	132	59	52
15-4	407	348	845	215	151	66	59
15-5	452	348	890	215	151	68	61
15-6	575	390	1055	260	168	90	83
15-7	620	390	1100	260	168	91	84
15-8	665	390	1145	260	168	98	91
15-9	710	390	1190	260	168	99	92
15-10	785	500	1375	330	205	157	150
15-11	830	500	1420	330	205	159	152
15-12	875	500	1465	330	205	160	153
15-13	920	500	1510	330	205	162	155
15-14	965	500	1555	330	205	163	156
15-15	1010	500	1600	330	205	179	172
15-16	1055	500	1645	330	205	181	174
15-17	1100	500	1690	330	205	182	175
15-18	1145	500	1735	330	205	184	177



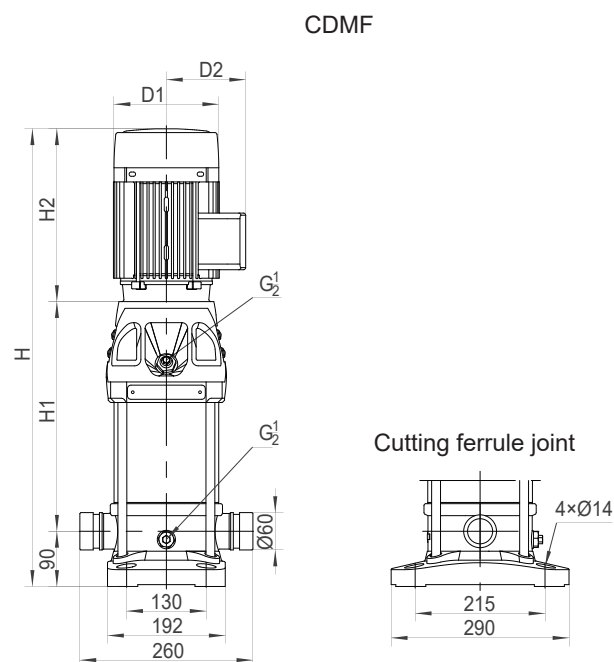
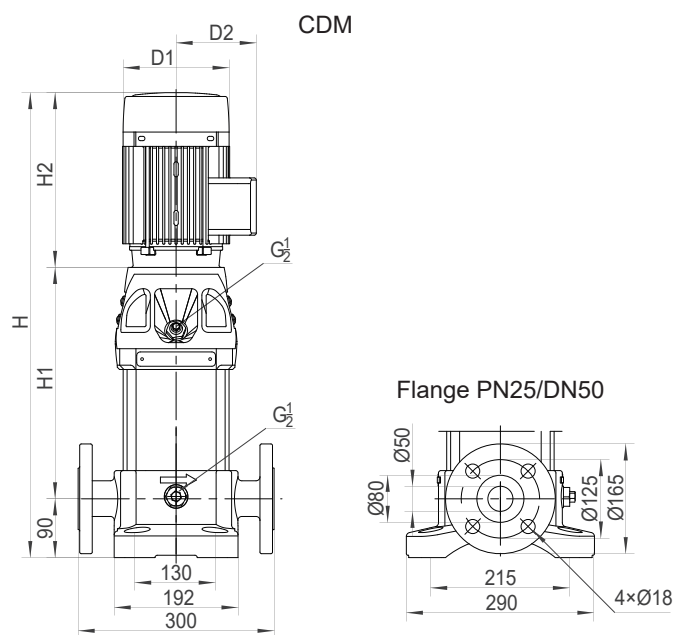
CDM/CDMF 20 Performance curve



CDM/CDMF 20 Performance table

Model	Motor		Q (m³/h)	0	10	12	14	16	18	20	22	24	26	28	29
	(kW)	(hp)													
20-1	1.1	1.5	H (m)	13.3	12.5	12.3	12	11.5	11	10.5	10	9.5	9	8	7
20-2	2.2	3		27.2	25.5	25	24.5	24	23.7	23	22	20.5	18	16	14.5
20-3	4	5.5		41.5	39.5	39	38	37	36	34.5	33	31	28	25	23.5
20-4	5.5	7.5		55.5	52.5	51	50	49	48	46	44	41	37	33	31.5
20-5	5.5	7.5		69.5	66	65	64	62	60	58	55	51	47	42	40
20-6	7.5	10		83.8	79	78	77	75	73	70	66	62	58	52	48
20-7	7.5	10		98	92.5	91	90	88	85	82	78	73	68	61	57.5
20-8	11	15		113	106	105	103	101	98	95	90	84	77	70	66
20-10	11	15		141	133	132	130	127	123	119	113	106	97	88	83
20-12	15	20		171	160	158	156	153	149	143	137	127	117	106	100
20-14	15	20		201	187	185	183	179	174	168	160	149	137	124	117
20-17	18.5	25		244	228	225	222	218	212	205	195	182	168	154	147

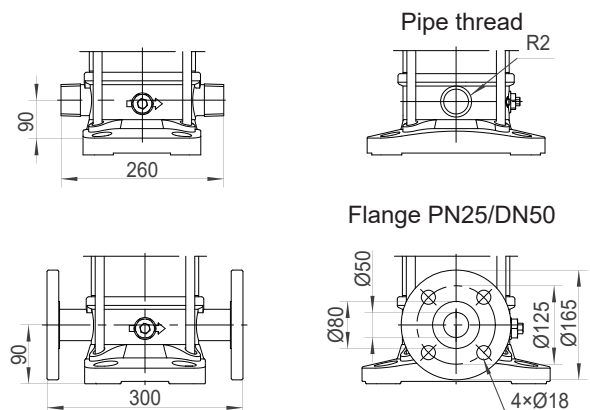
CDM/CDMF 20 Dimensional sketch



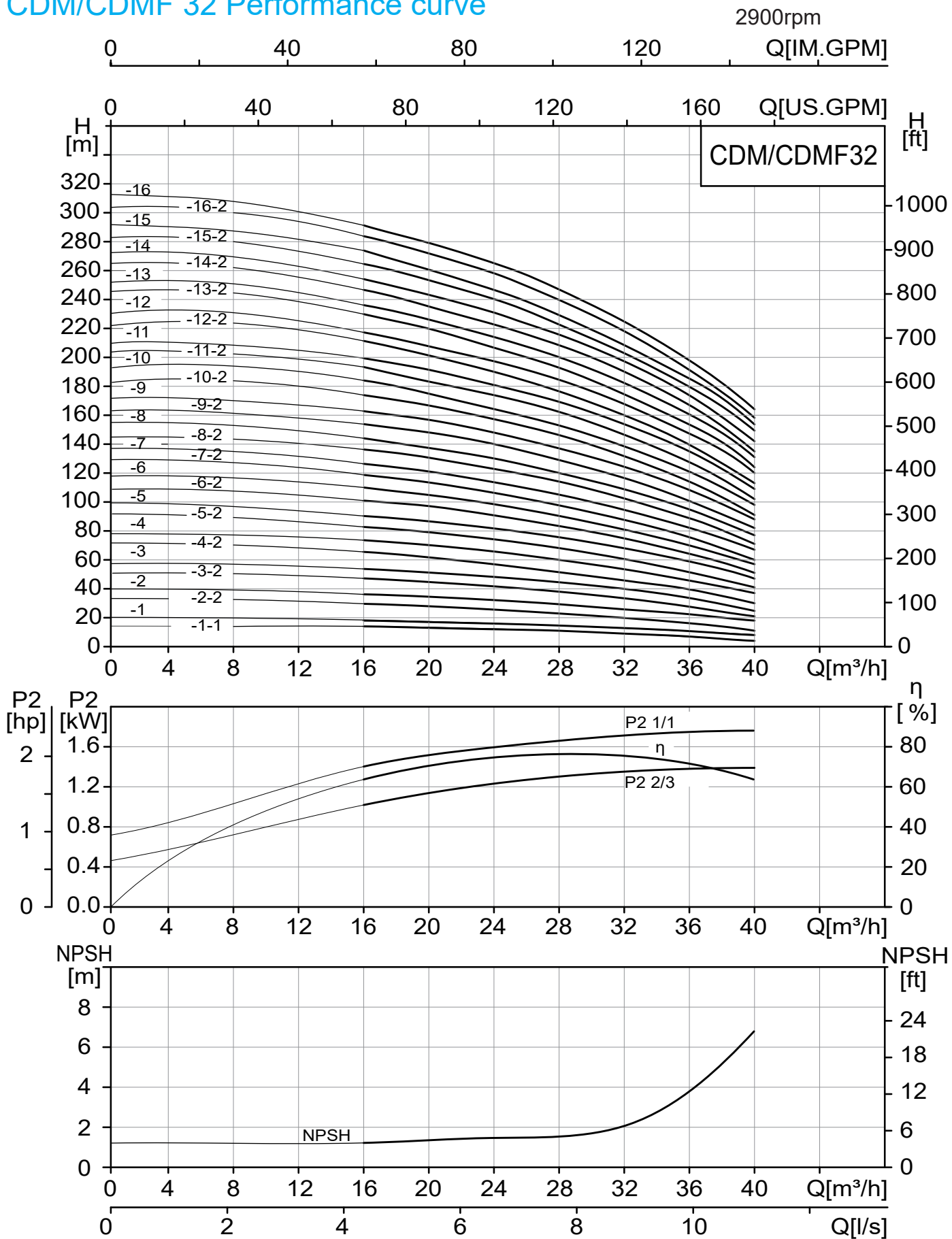
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
20-1	297	250	637	148	108	40	33
20-2	307	293	690	172	120	48	41
20-3	362	348	800	215	151	66	59
20-4	485	390	965	260	168	88	81
20-5	530	390	1010	260	168	90	83
20-6	575	390	1055	260	168	99	92
20-7	620	390	1100	260	168	100	93
20-8	695	500	1285	330	205	167	160
20-10	785	500	1375	330	205	170	163
20-12	875	500	1465	330	205	188	181
20-14	965	500	1555	330	205	191	184
20-17	1100	545	1735	330	205	212	205



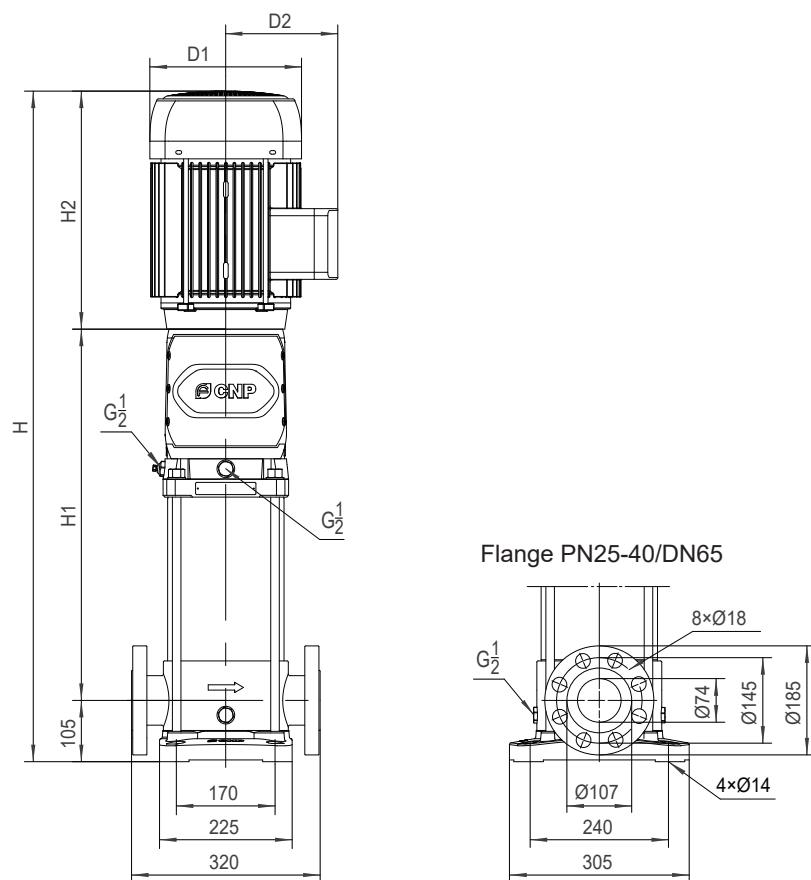
CDM/CDMF 32 Performance curve



CDM/CDMF 32 Performance table

Model	Motor		Q (m³/h)	0	16	20	24	28	32	36	40
	(kW)	(hp)									
32-1-1	1.5	2	H (m)	15	14	13	12	11	9	7	4
32-1	2.2	3		20	18	17	15	14	13	11	8
32-2-2	3	4		33	29	28	26	23	20	16	11
32-2	4	5.5		40	36	34	32	29	27	23	18
32-3-2	5.5	7.5		50	47	44	41	38	33	28	21
32-3	5.5	7.5		57	54	51	48	44	40	35	27
32-4-2	7.5	10		72	65	62	58	53	46	40	30
32-4	7.5	10		78	72	69	65	59	53	47	37
32-5-2	11	15		92	83	79	74	68	60	52	41
32-5	11	15		99	90	86	81	74	67	59	47
32-6-2	11	15		108	101	97	90	83	74	65	51
32-6	11	15		118	108	104	97	90	81	72	57
32-7-2	15	20		129	119	114	107	98	88	78	60
32-7	15	20		138	126	121	113	105	95	85	67
32-8-2	15	20		145	136	131	123	114	102	90	71
32-8	15	20		154	144	138	130	120	109	97	77
32-9-2	18.5	25		163	154	148	140	129	117	102	80
32-9	18.5	25		172	162	156	147	136	124	109	88
32-10-2	18.5	25		182	175	166	157	146	131	115	91
32-10	18.5	25		193	182	173	164	152	138	122	98
32-11-2	22	30		204	193	184	173	164	146	128	102
32-11	22	30		210	200	191	180	168	153	135	109
32-12-2	22	30		222	211	201	189	178	160	140	113
32-12	22	30		231	218	208	196	184	167	147	120
32-13-2	30	40		246	230	218	206	193	174	153	124
32-13	30	40		253	237	225	213	200	181	160	131
32-14-2	30	40		265	247	235	222	210	189	165	135
32-14	30	40		273	255	242	229	216	196	172	142
32-15-2	30	40		284	266	253	239	224	203	178	145
32-15	30	40		292	274	260	246	231	210	185	152
32-16-2	30	40		304	284	270	255	240	218	190	156
32-16	30	40		312	292	277	262	246	225	197	163

CDM/CDMF 32 Dimensional sketch



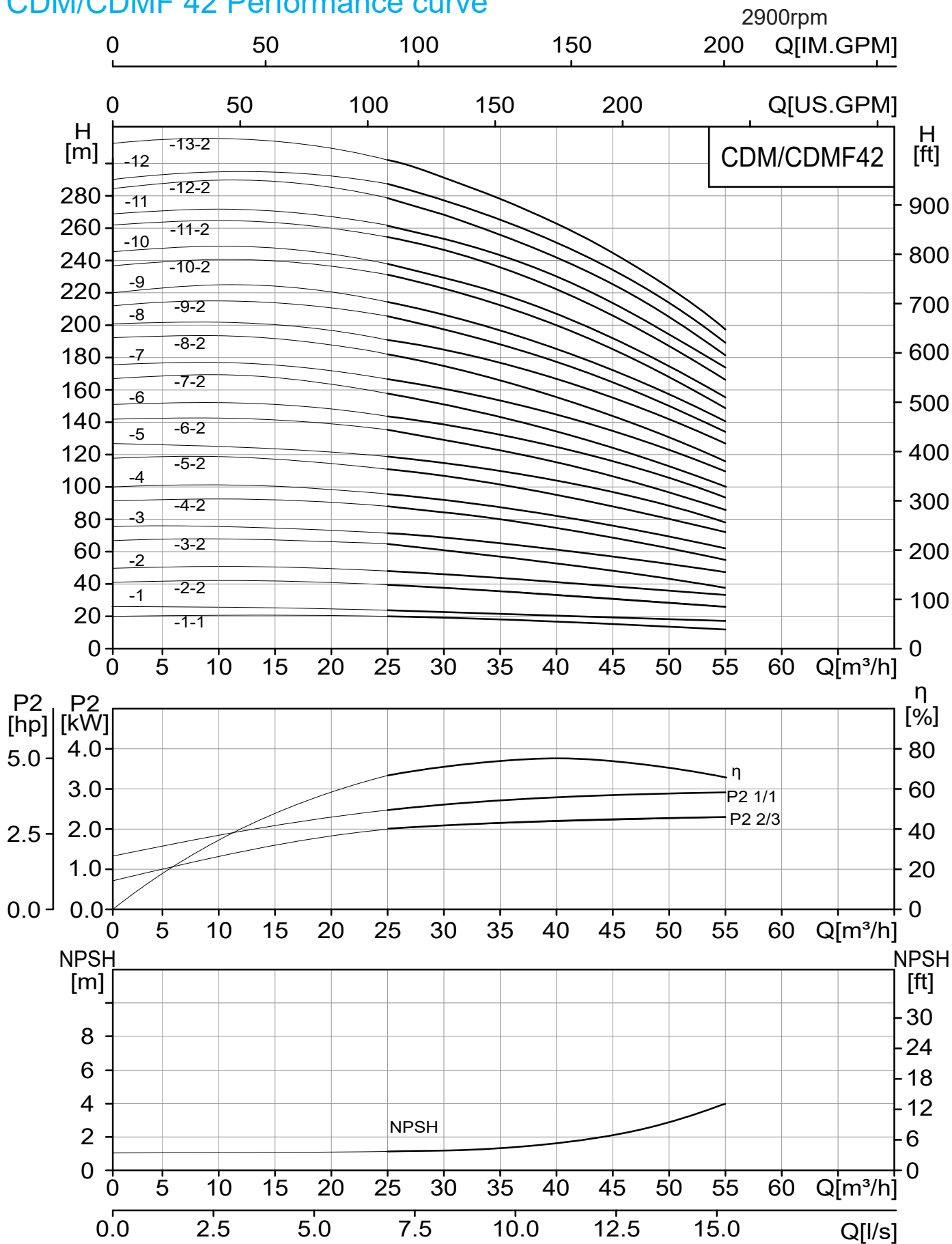
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
32-1-1	329	293	727	172	120	66	54
32-1	329	293	727	172	120	68	56
32-2-2	399	345	849	197	132	73	69
32-2	399	348	852	215	151	79	75
32-3-2	560	390	1055	260	168	102	98
32-3	560	390	1055	260	168	102	98
32-4-2	630	390	1125	260	168	113	109
32-4	630	390	1125	260	168	113	109
32-5-2	730	500	1335	330	205	184	179
32-5	730	500	1335	330	205	184	179
32-6-2	800	500	1405	330	205	186	182
32-6	800	500	1405	330	205	186	182
32-7-2	870	500	1475	330	205	204	200
32-7	870	500	1475	330	205	204	200
32-8-2	940	500	1545	330	205	207	203
32-8	940	500	1545	330	205	207	203

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
32-9-2	1010	545	1660	330	205	218	214
32-9	1010	545	1660	330	205	218	214
32-10-2	1080	545	1730	330	205	221	217
32-10	1080	545	1730	330	205	221	217
32-11-2	1150	576	1831	375	230	277	272
32-11	1150	576	1831	375	230	277	272
32-12-2	1220	576	1901	375	230	280	275
32-12	1220	576	1901	375	230	280	275
32-13-2	1290	650	2045	418	256	343	339
32-13	1290	650	2045	418	256	343	339
32-14-2	1360	650	2115	418	256	346	342
32-14	1360	650	2115	418	256	346	342
32-15-2	1430	650	2185	418	256	349	345
32-15	1430	650	2185	418	256	349	345
32-16-2	1500	650	2255	418	256	352	347
32-16	1500	650	2255	418	256	352	347

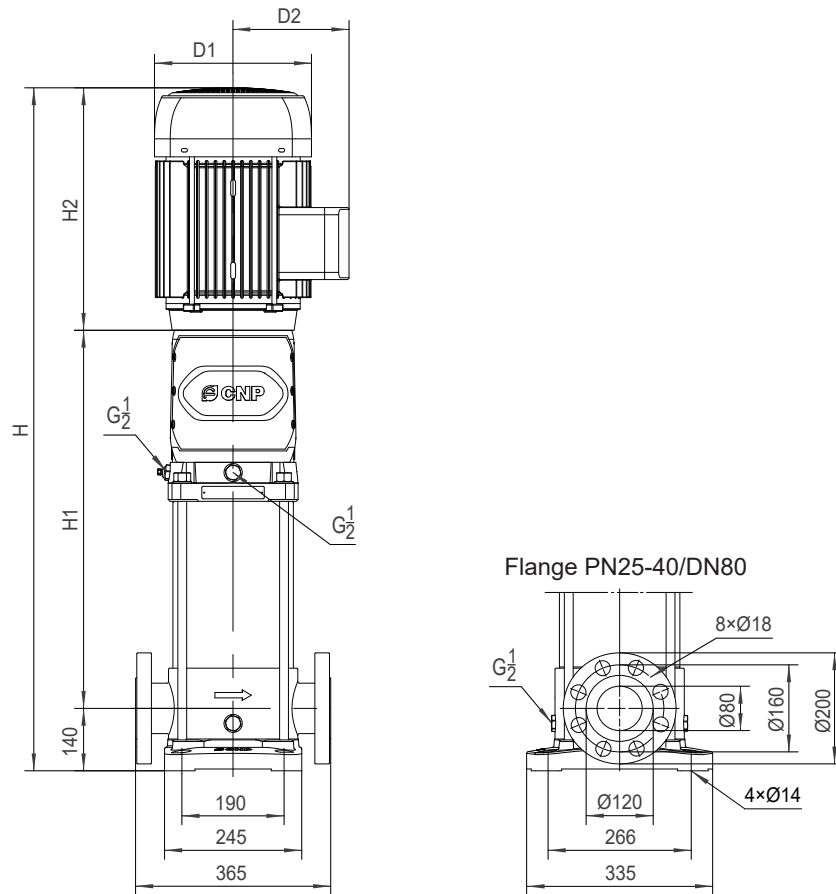
CDM/CDMF 42 Performance curve



CDM/CDMF 42 Performance table

Model	Motor		Q (m³/h)	0	25	30	35	40	42	45	50	55
	(kW)	(hp)										
42-1-1	3.0	4	H (m)	20	20	19	18	17	16	15	13	11
42-1	4.0	5.5		27	24	23	22	21	20	19	18	16
42-2-2	5.5	7.5		42	40	38	36	33	32	30	27	23
42-2	7.5	10		50	48	46	44	42	41	39	35	31
42-3-2	11	15		66	63	61	58	54	52	50	44	38
42-3	11	15		75	71	69	66	63	61	58	53	47
42-4-2	15	20		92	87	84	80	75	73	69	62	54
42-4	15	20		100	95	92	88	84	81	78	71	62
42-5-2	18.5	25		118	111	107	102	96	93	88	80	69
42-5	18.5	25		125	119	115	110	105	101	97	88	78
42-6-2	22	30		142	135	130	124	117	113	108	97	85
42-6	22	30		150	143	138	132	125	122	116	106	93
42-7-2	30	40		166	158	152	146	138	134	127	115	100
42-7	30	40		175	166	161	154	146	142	135	124	109
42-8-2	30	40		192	182	175	168	159	154	146	133	116
42-8	30	40		202	190	184	176	167	162	154	141	124
42-9-2	30	40		212	205	198	190	180	174	166	150	132
42-9	37	50		220	214	207	198	188	183	174	159	140
42-10-2	37	50		237	230	221	212	200	194	185	168	147
42-10	37	50		245	238	230	220	209	203	193	177	155
42-11-2	45	60		262	255	246	236	223	217	206	188	165
42-11	45	60		269	263	255	244	232	225	214	196	173
42-12-2	45	60		284	280	270	259	245	238	226	206	181
42-12	45	60		290	289	280	268	255	247	236	216	190
42-13-2	45	60		312	305	294	282	267	259	247	225	198

CDM/CDMF 42 Dimensional sketch



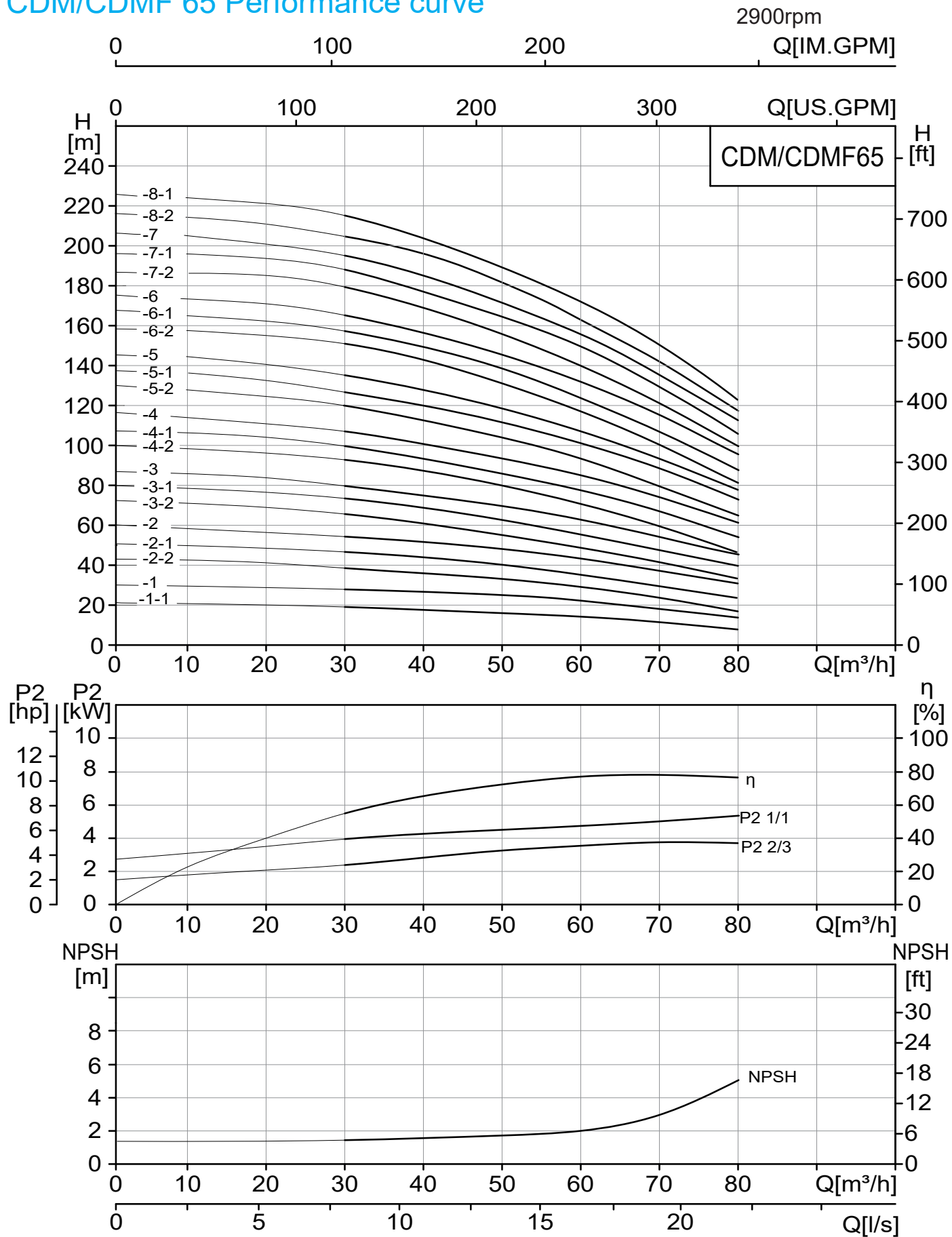
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
42-1-1	350	345	835	197	132	83	73
42-1	350	348	838	215	151	90	80
42-2-2	521	390	1051	260	168	113	103
42-2	521	390	1051	260	168	121	111
42-3-2	631	500	1271	330	205	192	182
42-3	631	500	1271	330	205	192	182
42-4-2	711	500	1351	330	205	211	201
42-4	711	500	1351	330	205	211	201
42-5-2	791	545	1476	330	205	223	212
42-5	791	545	1476	330	205	223	212
42-6-2	871	576	1587	375	230	279	269
42-6	871	576	1587	375	230	279	269
42-7-2	951	650	1741	418	256	343	333

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
42-7	951	650	1741	418	256	343	333
42-8-2	1031	650	1821	418	256	347	337
42-8	1031	650	1821	418	256	347	337
42-9-2	1111	650	1901	418	256	350	340
42-9	1111	650	1901	418	256	370	360
42-10-2	1191	650	1981	418	256	374	364
42-10	1191	650	1981	418	256	374	364
42-11-2	1271	700	2111	465	280	477	467
42-11	1271	700	2111	465	280	477	467
42-12-2	1351	700	2191	465	280	481	471
42-12	1351	700	2191	465	280	481	471
42-13-2	1431	700	2271	465	280	484	474

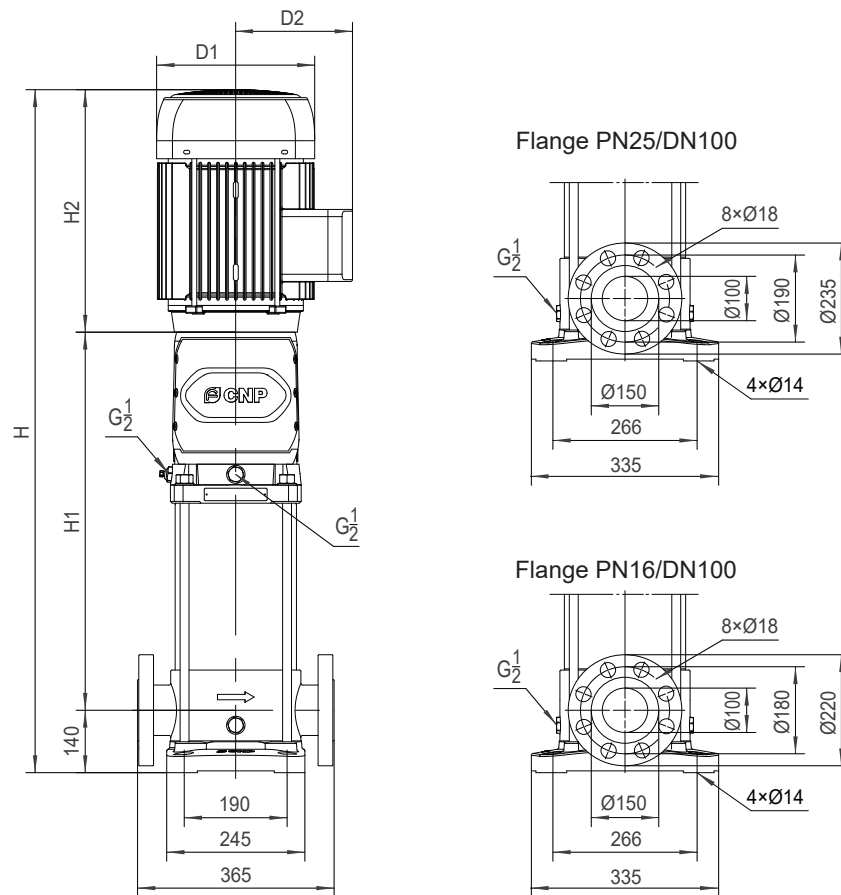
CDM/CDMF 65 Performance curve



CDM/CDMF 65 Performance table

Model	Motor		Q (m³/h)	0	30	40	50	60	65	70	80
	(kW)	(hp)									
65-1-1	4	5.5	H (m)	20	19	18	16	14	13	11	8
65-1	5.5	7.5		30	27	25	23	21	20	18	15
65-2-2	7.5	10		42	39	36	33	29	26	23	17
65-2-1	11	15		50	46	44	40	36	33	30	24
65-2	11	15		60	53	51	47	43	40	37	30
65-3-2	15	20		73	66	62	56	50	46	41	32
65-3-1	15	20		80	73	69	63	57	53	48	39
65-3	18.5	25		87	80	76	70	64	60	55	46
65-4-2	18.5	25		98	92	87	80	71	66	60	47
65-4-1	22	30		107	100	94	87	78	73	67	54
65-4	22	30		116	107	101	94	85	80	74	61
65-5-2	30	40		130	121	114	105	95	88	80	64
65-5-1	30	40		138	128	121	112	102	95	87	71
65-5	30	40		146	136	129	119	109	102	94	78
65-6-2	30	40		158	150	142	131	118	110	101	81
65-6-1	37	50		166	157	149	138	125	117	108	88
65-6	37	50		175	164	156	145	132	124	115	95
65-7-2	37	50		186	179	169	156	141	132	121	99
65-7-1	37	50		196	186	176	163	148	139	128	106
65-7	45	60		205	193	183	170	155	146	135	112
65-8-2	45	60		216	207	196	182	164	154	142	116
65-8-1	45	60		225	215	203	189	171	161	149	123

CDM/CDMF 65 Dimensional sketch



The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.
For CDM/CDMF 65 series, PN25-40/DN100 standard flange is also available if required

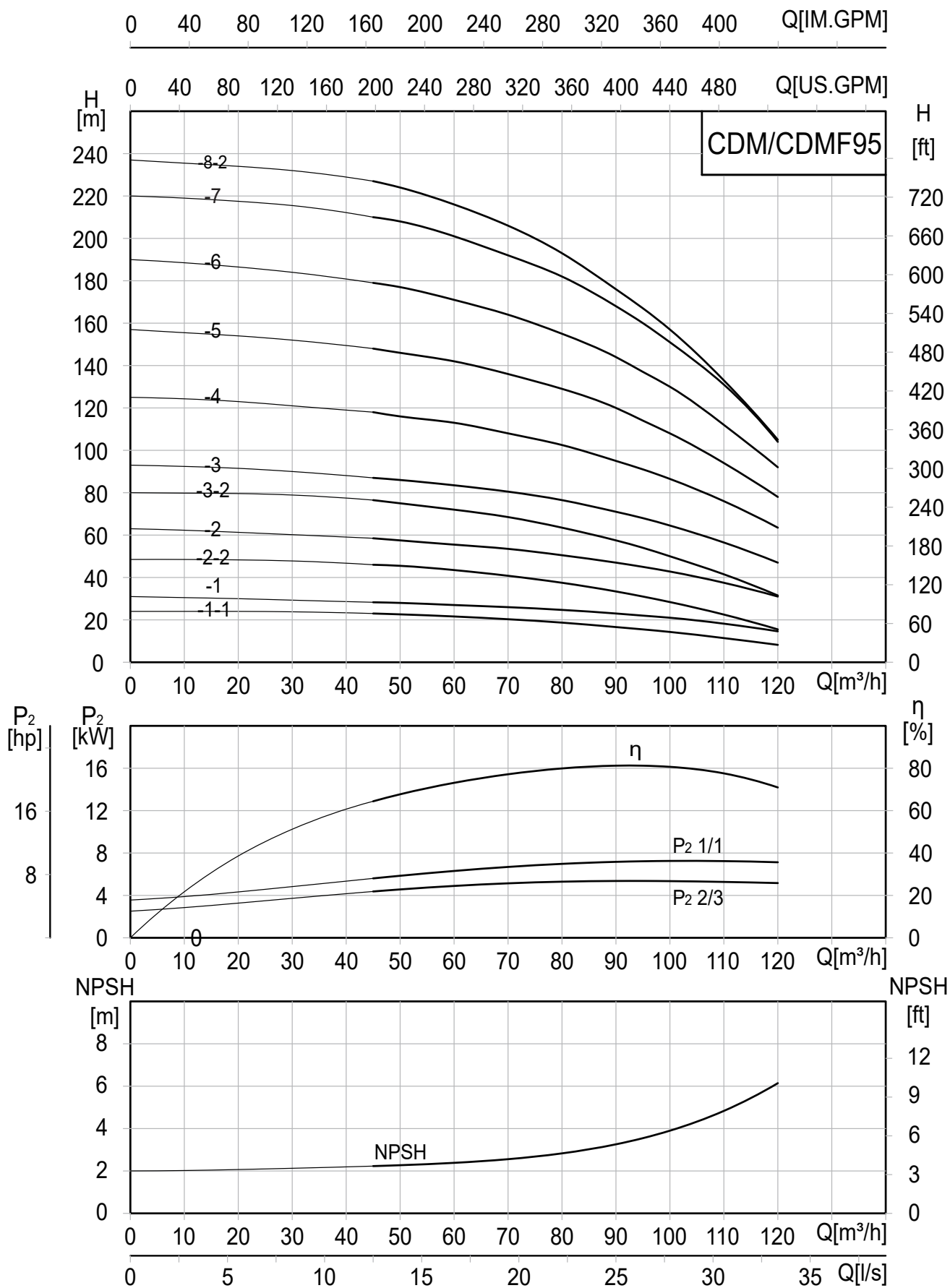
Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
65-1-1	353	348	841	215	151	101	70
65-1	444	390	974	260	168	121	90
65-2-2	527	390	1057	260	168	133	102
65-2-1	557	500	1197	330	205	201	170
65-2	557	500	1197	330	205	201	170
65-3-2	640	500	1280	330	205	219	188
65-3-1	640	500	1280	330	205	219	188
65-3	640	545	1325	330	205	227	196
65-4-2	723	576	1439	375	230	231	200
65-4-1	723	576	1439	375	230	284	253
65-4	723	650	1513	418	256	284	253

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
65-5-2	806	650	1596	418	256	349	318
65-5-1	806	650	1596	418	256	349	318
65-5	806	650	1596	418	256	349	318
65-6-2	889	650	1679	418	256	353	322
65-6-1	889	650	1679	418	256	373	342
65-6	889	650	1679	418	256	373	342
65-7-2	972	650	1762	418	256	377	346
65-7-1	972	650	1762	418	256	377	346
65-7	972	700	1812	465	280	477	446
65-8-2	1055	700	1895	465	280	481	450
65-8-1	1055	700	1895	465	280	481	450

CDM/CDMF 95 Performance curve

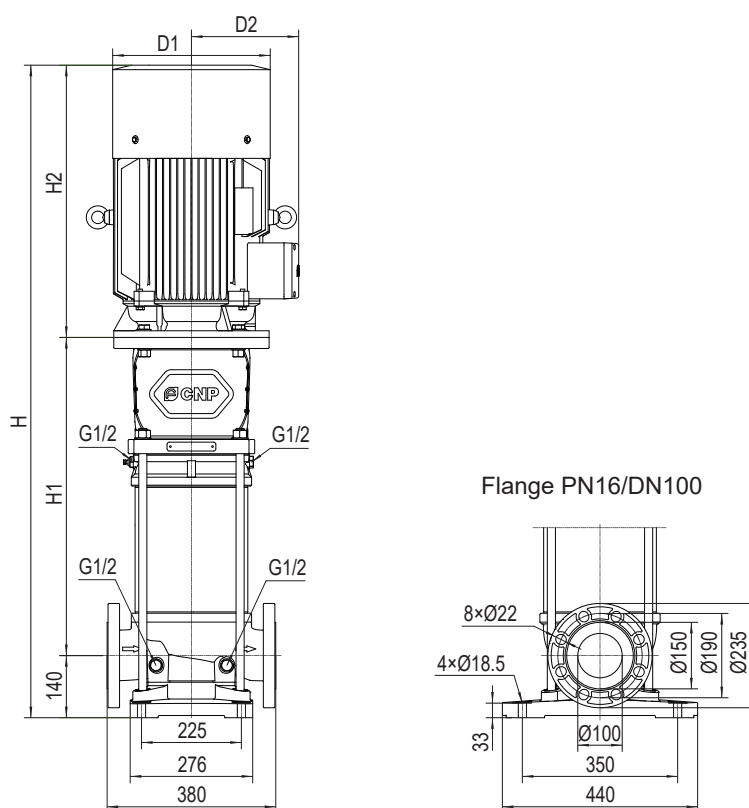
2950rpm



CDM/CDMF 95 Performance table

Model	Motor		Q (m³/h)	0	45	50	60	70	80	90	95	100	110	120
	(kW)	(hp)												
95-1-1	5.5	7.5	H (m)	24	23	22.6	21.6	20.3	18.7	16.6	15.5	14.3	11.4	8.2
95-1	7.5	10		31	28.3	28	27	26	24.7	23	22	21	18.2	14.6
95-2-2	11	15		48.5	46	45.5	43.5	40.8	37.5	33.4	31	28.4	22.5	15.5
95-2	15	20		63	58.5	57.5	55.5	53.5	50.5	47	45	42.8	37.5	31
95-3-2	18.5	25		80	76.5	75	72	68.5	63.5	57.5	54	50	41.5	31.5
95-3	22	30		93	87	86	83.5	80.5	76.5	71	68	64.5	56.5	47
95-4	30	40		125	118	116	113	108	102.5	95	91	86.5	76	63.5
95-5	37	50		157	148	146	142	136	129	120	114	108	94	78
95-6	45	60		190	179	177	171	164	155	144	137	130	112	92
95-7	55	75		220	210	208	201	192	182	168	160	151	131	104
95-8-2	55	75		237	227	224	216	206	193	176	167	157	133	105

CDM/CDMF 95 Dimensional sketch



The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

For CDM/CDMF 95-1-1~95-5 series, PN16/DN100 standard flange is also available if required

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
95-1-1	492	390	1022	260	168	134	134
95-1	492	390	1022	260	168	142	142
95-2-2	620	500	1260	330	205	218	218
95-2	620	500	1260	330	205	233	233
95-3-2	717	545	1402	330	205	246	246
95-3	717	576	1433	375	230	300	300

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
95-4	815	650	1605	418	256	367	367
95-5	912	650	1702	418	256	392	392
95-6	1010	700	1850	465	280	497	497
95-7	1137	770	2047	506	305	566	567
95-8-2	1235	770	2145	506	305	572	572

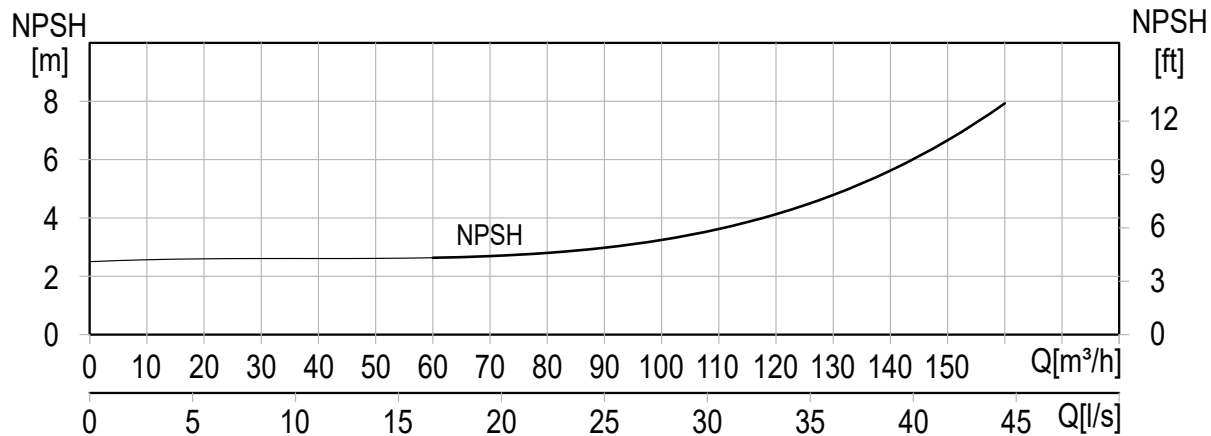
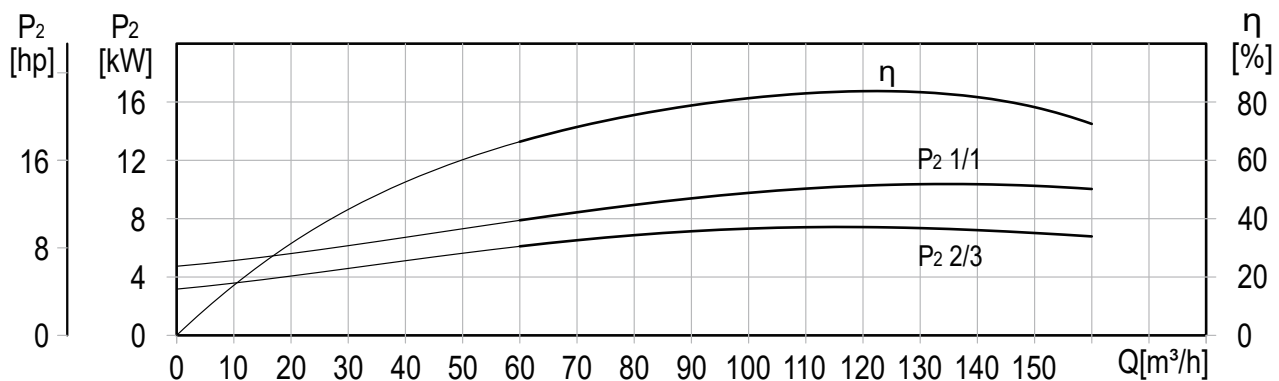
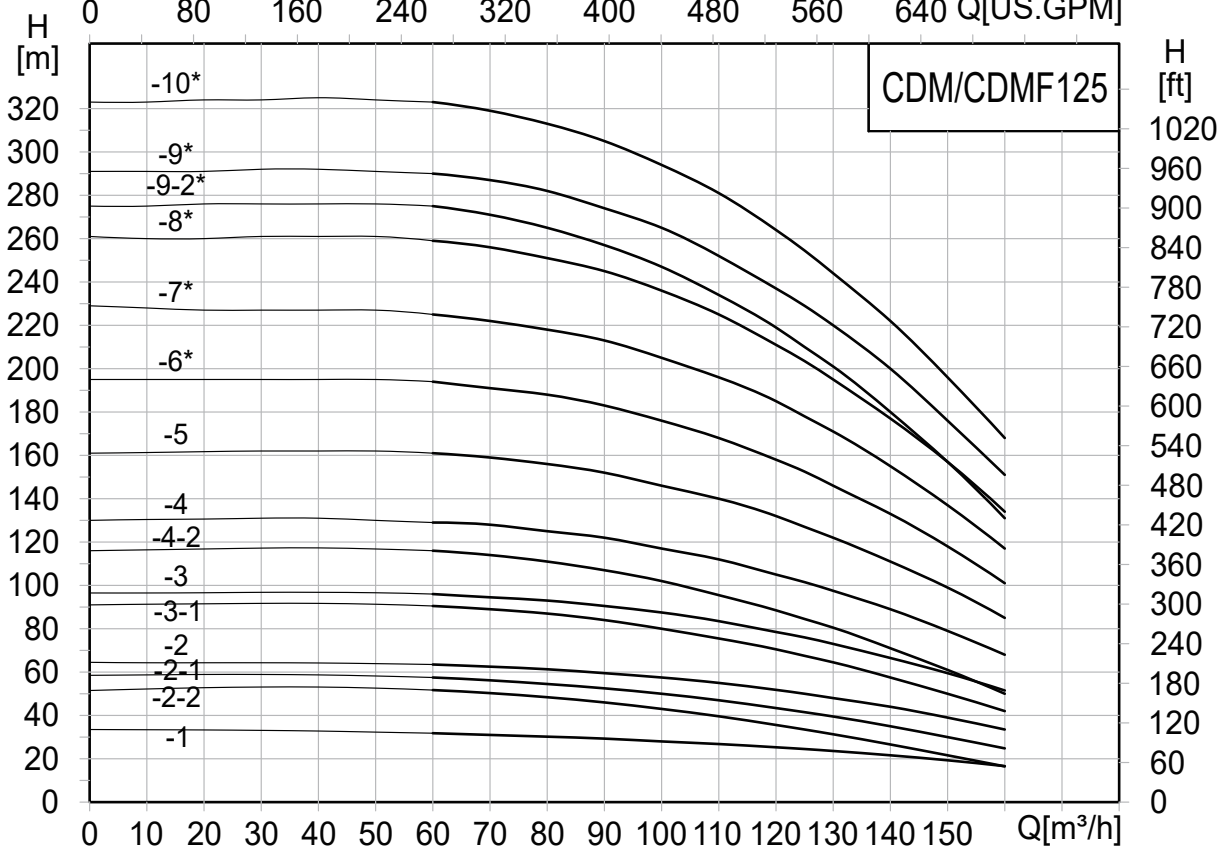
CDM/CDMF 125 Performance curve

2950rpm

Q[IM.GPM]

0 80 160 240 320 400 480

0 80 160 240 320 400 480 560 640 Q[US.GPM]

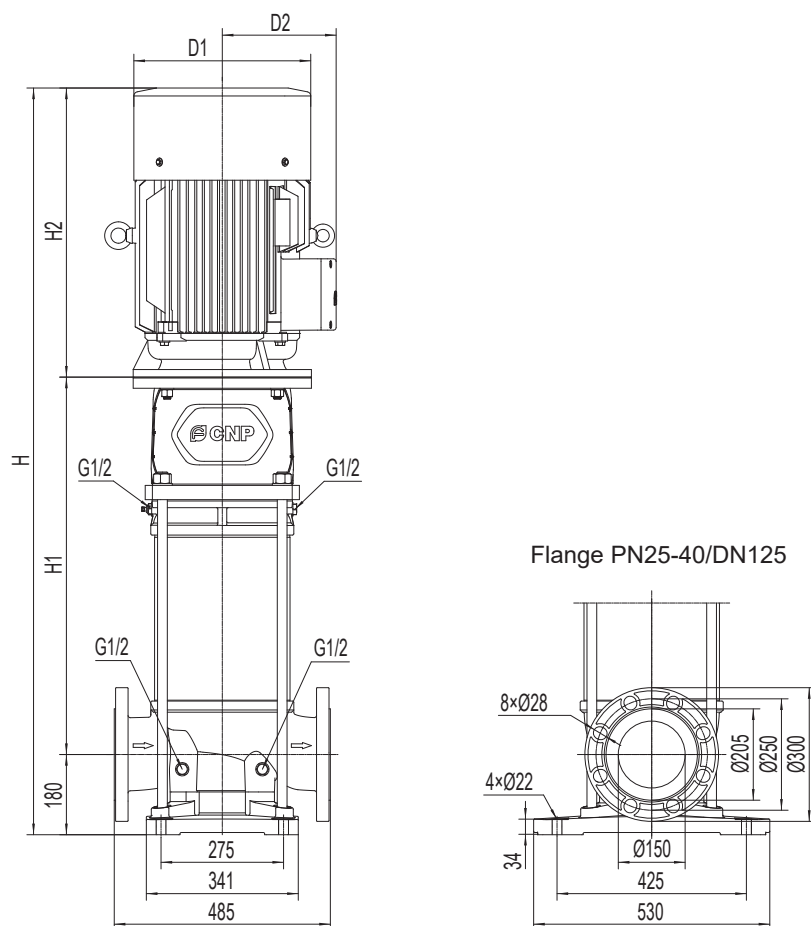


CDM/CDMF 125 Performance table

Model	Motor		Q (m ³ /h)	0	60	70	80	90	100	110	120	125	130	140	150	160
	(kW)	(hp)														
125-1	11	15	H (m)	33.5	31.8	31	30.2	29.3	28	26.8	25.3	24.5	23.6	21.6	19.3	16.6
125-2-2	15	20		51.5	51.7	50.3	48.4	46	43	39.6	35.6	33.5	31.3	26.6	21.6	16.5
125-2-1	18.5	25		58.5	57.5	56.2	54.5	52.5	50	47	43.4	41.5	39.5	35	30	24.8
125-2	22	30		64.5	63.5	62.5	61.3	59.5	57.5	55	51.8	50	48	44	39	33.5
125-3-1	30	40		91	90.5	89	87	84	80	75.5	70.5	67.5	64.5	57.5	50	42
125-3	37	50		96.5	96	94.5	93	90.5	87.5	83.5	78.5	76	73	66.5	59.5	51.5
125-4-2	37	50		116	116	114	111	107	102	95.5	88.5	84.5	80.5	71	61	50
125-4	45	60		130	129	128	125	122	117	112	105	101.5	97.5	89	79	68
125-5	55	75		161	161	159	156	152	146	140	132	127	122	111	99	85
125-6*	75	100		195	194	191	188	183	176	168	158	152.5	146	133	118	101
125-7*	75	100		229	225	222	218	213	205	196	185	178	171	155	137	117
125-8*	90	120		261	259	256	251	245	236	225	211	203.5	195	177	157	134
125-9-2*	90	120		275	275	271	265	257	247	234	219	210	201	180	157	131
125-9*	110	150		291	290	287	282	274	265	252	237	229	220	200	176	151
125-10*	110	150		323	323	319	313	305	294	281	264	254.5	244	222	196	168

Note: Models with * have no CDM type

CDM/CDMF 125 Dimensional sketch



The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

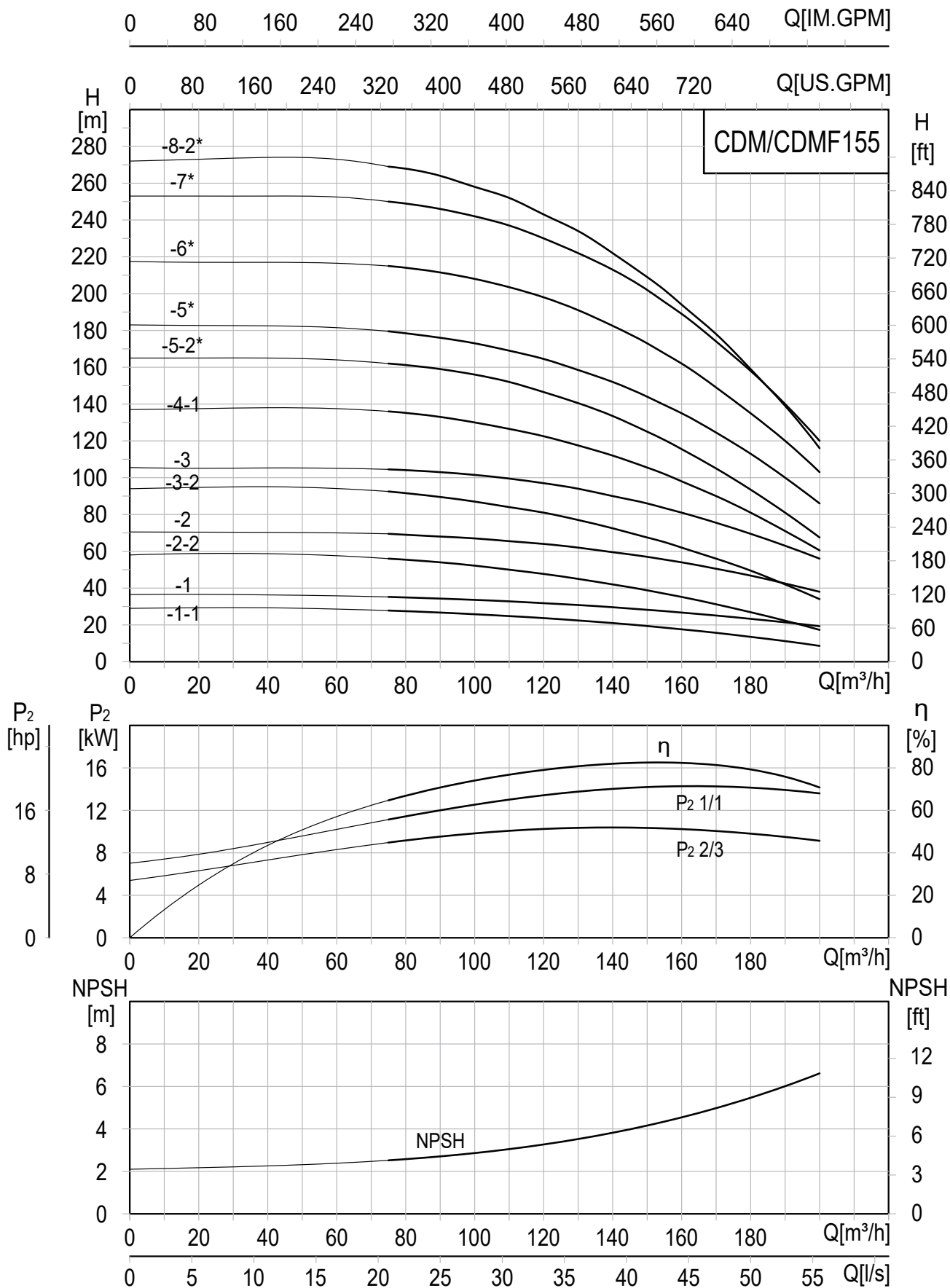
Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
125-1	606	500	1286	330	205	259	264
125-2-2	728	500	1408	330	205	285	291
125-2-1	728	545	1453	330	205	293	299
125-2	728	576	1484	375	230	347	352
125-3-1	850	650	1680	418	256	418	423
125-3	850	650	1680	418	256	438	443
125-4-2	972	650	1802	418	256	448	453
125-4	972	700	1852	465	280	545	551

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
125-5	1124	770	2074	506	305	616	622
125-6*	1246	835	2261	560	335	/	777
125-7*	1368	835	2383	560	335	/	788
125-8*	1490	885	2555	560	335	/	819
125-9-2*	1612	885	2677	560	335	/	832
125-9*	1612	1040	2832	655	400	/	1258
125-10*	1734	1040	2954	655	400	/	1268

CDM/CDMF 155 Performance curve

2950rpm

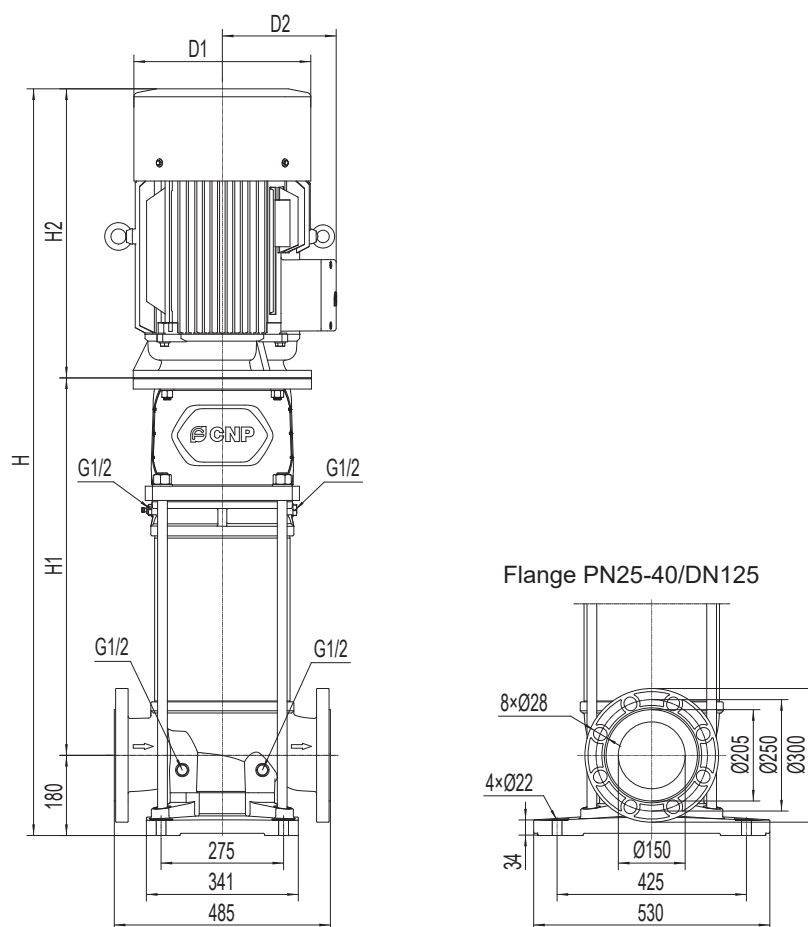


CDM/CDMF 155 Performance table

Model	Motor		Q (m³/h)	0	75	90	100	110	120	130	140	150	155	160	170	180	190	200
	(kW)	(hp)																
155-1-1	11	15	H (m)	29	27.8	26.7	25.8	24.8	23.7	22.4	21	19.4	18.5	17.6	15.7	13.5	11.2	8.6
155-1	15	20		36.5	35.2	34.3	33.6	32.8	31.8	30.8	29.6	28.2	27.5	26.7	25.1	23.3	21.4	19.3
155-2-2	22	30		58	56	54	52.2	50	47.7	45	42	38.8	37	35.2	31.2	26.9	22.3	17.3
155-2	30	40		70.5	69.5	68	67	65.5	64	62	59.5	57	55.5	54	50.5	46.8	42.5	38
155-3-2	37	50		94	92.5	89.5	87	84	81	77	72.5	67.5	65	62	56	49.5	42	34
155-3	45	60		105.5	104.5	103	101.5	99.5	97	94	90	86	83.5	81	75.5	69.5	63	56
155-4-1	55	75		137	136	133	130	126.5	122.5	117.5	112	105.5	102	98	90	81	71	60.5
155-5-2*	75	100		165	162	159	156	152	146.5	140.5	133.5	125	120.5	115.5	105	93.5	81	67.5
155-5*	75	100		183	179.5	176	173	169	164.5	158.5	152	144	139.5	135	124.5	113	100	86
155-6*	90	120		217.5	215	211.5	208	203.5	198	191	182.5	173	167.5	162	149	135	120	103
155-7*	110	150		253	250	246	242	237	230	222	213	202	195.5	189	174	158	140	120
155-8-2*	110	150		272	269	264	258	252	243	234	222	209	202	194	178	159	139	116

Note: Models with * have no CDM type

CDM/CDMF 155 Dimensional sketch



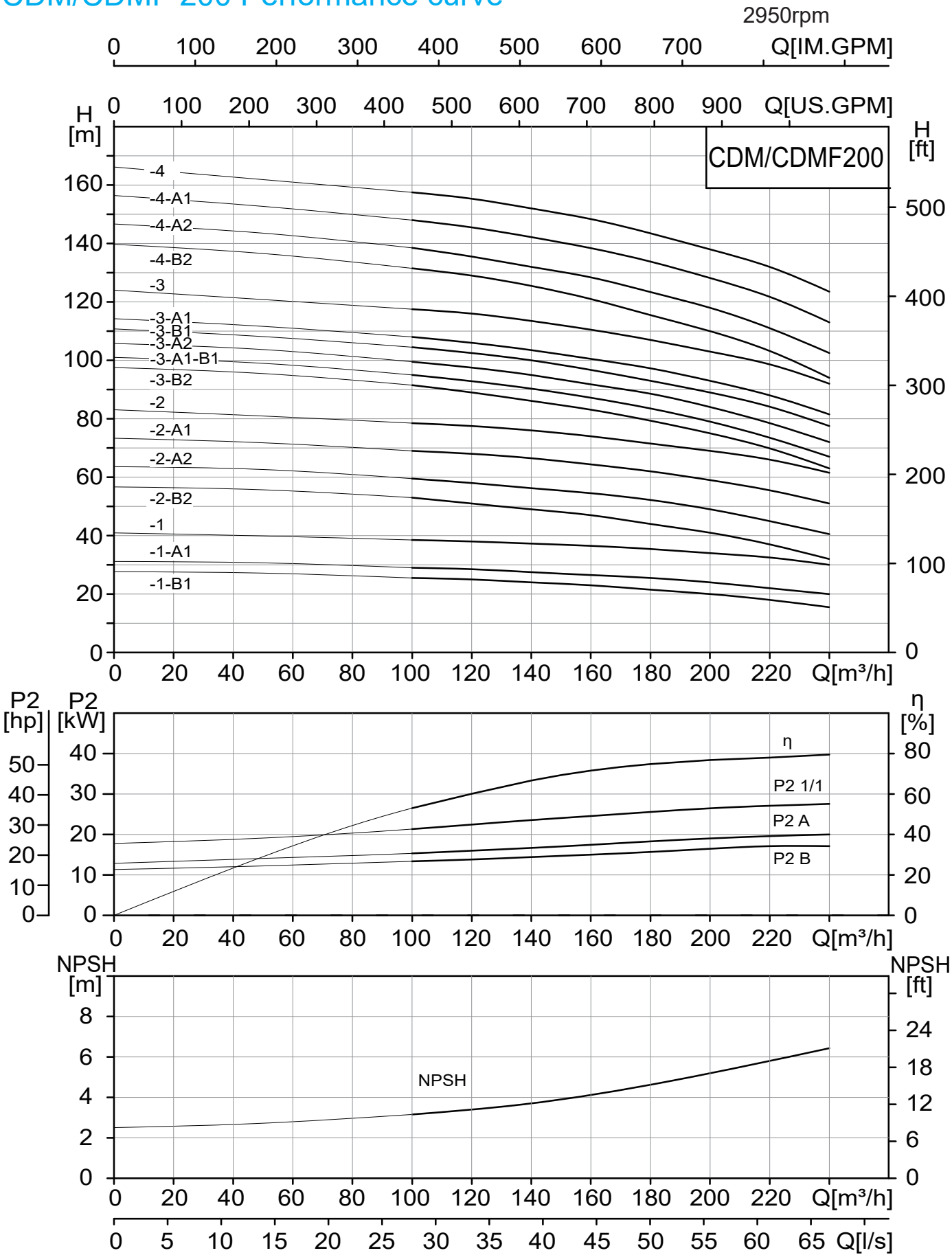
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
155-1-1	606	500	1286	330	205	259	265
155-1	606	500	1286	330	205	274	280
155-2-2	728	576	1484	375	230	347	352
155-2	728	650	1558	418	256	406	412
155-3-2	850	650	1680	418	256	438	443
155-3	850	700	1730	465	280	535	541

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
155-4-1	1002	770	1952	506	305	606	611
155-5-2*	1124	835	2139	560	335	/	766
155-5*	1124	835	2139	560	335	/	767
155-6*	1246	885	2311	560	335	/	798
155-7*	1368	1040	2588	655	400	/	1235
155-8-2*	1490	1040	2710	655	400	/	1246

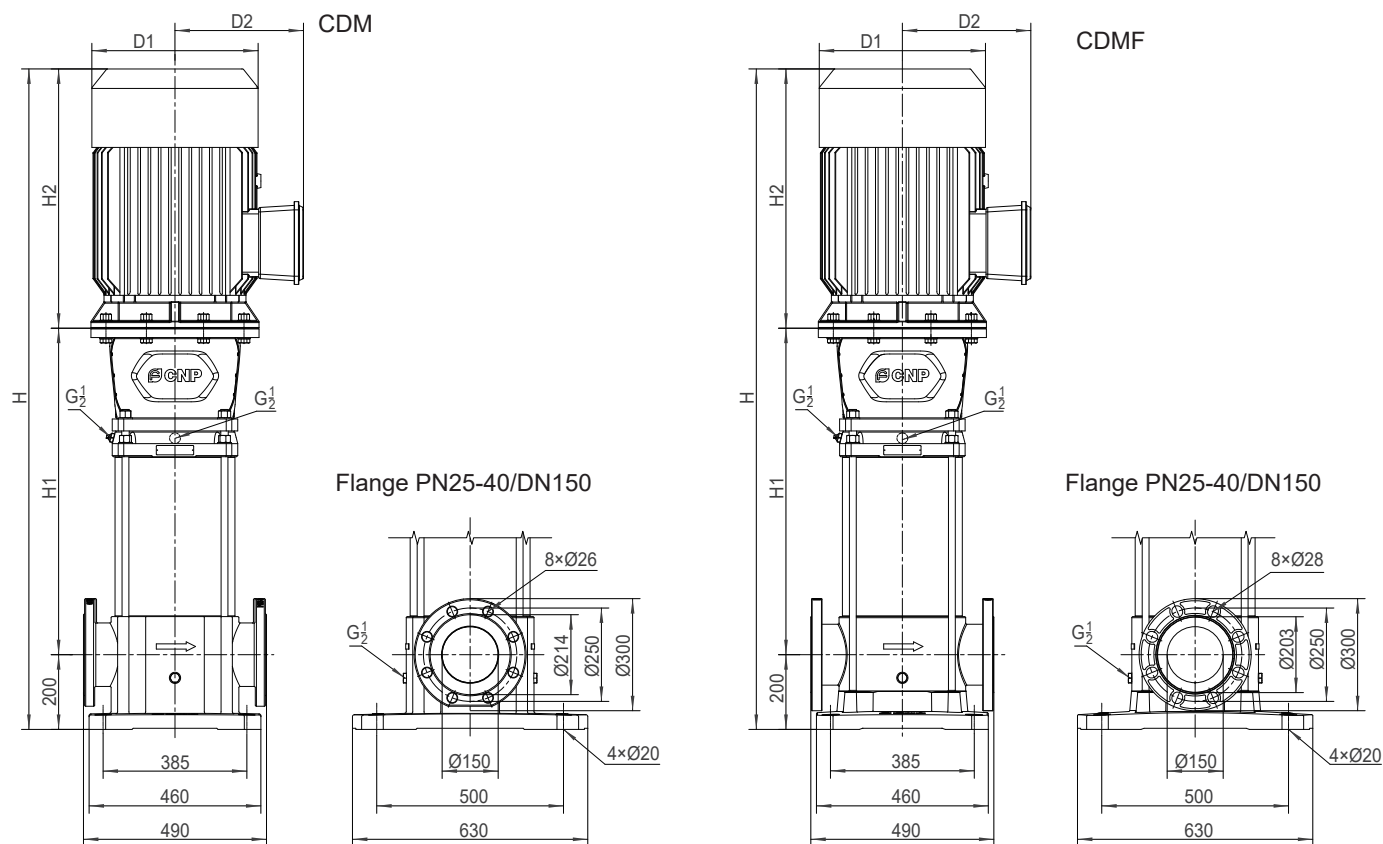
CDM/CDMF 200 Performance curve



CDM/CDMF 200 Performance table

Model	Motor		Q (m ³ /h)	0	100	120	140	160	180	200	220	240
	(kW)	(hp)										
200-1-B	18.5	25	H (m)	28	25.5	25	24	23	21.5	20	18	15.5
200-1-A	22	30		31	29	28.5	27.5	26.5	25.5	24	22	20
200-1	30	40		40.5	38.5	38	37.5	36.5	35	34	32.5	30
200-2-2B	37	50		57	53	51	49	47	44	41	37	32
200-2-2A	45	60		63	59.5	58	56	54	52.5	49	44.5	40.5
200-2-A	55	75		73	69	68	66	64	62	59	55.5	51
200-2	55	75		82.5	78.5	77.5	76	74	71.5	69	66	61.5
200-3-2B	75	100		98	91.5	89	86.5	83.5	79	75	70	63
200-3-A-B	75	100		100.5	95	93	90	87	83.5	79	73.5	67
200-3-2A	75	100		106	99.5	97.5	94.5	91.5	89	84	78.5	72
200-3-B	75	100		111	104.5	102.5	100	97	93	89	84.5	77.5
200-3-A	75	100		114	108	106	103.5	100.5	97.5	93	88	81.5
200-3	90	120		123	117.5	116	113.5	110.5	107	103	99	92
200-4-2B	90	120		139.5	131.5	129	125.5	121	115.5	110	103.5	94
200-4-2A	110	150		147	138.5	136	132	128	124	118	111	102.5
200-4-A	110	150		157	148	145.5	142.5	138	134	128	122	113
200-4	110	150		166	157.5	155.5	152.5	148	143.5	138	132.5	123.5

CDM/CDMF 200 Dimensional sketch



The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
200-1-B	680	545	1425	330	205	344	314
200-1-A	680	576	1456	375	230	380	350
200-1	680	650	1530	418	256	437	407
200-2-2B	874	650	1724	418	256	481	451
200-2-2A	874	700	1774	465	280	536	506
200-2-A	904	770	1874	506	305	631	601
200-2	904	770	1874	506	305	631	601
200-3-2B	1098	835	2133	560	335	784	754
200-3-A-B	1098	835	2133	560	335	784	754

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
200-3-2A	1098	835	2133	560	335	784	754
200-3-B	1098	835	2133	560	335	784	754
200-3-A	1098	835	2133	560	335	784	754
200-3	1098	885	2183	560	335	853	823
200-4-2B	1292	885	2377	560	335	866	836
200-4-2A	1292	1040	2532	655	400	1205	1175
200-4-A	1292	1040	2532	655	400	1205	1175
200-4	1292	1040	2532	655	400	1205	1175

Pumping fluid

Below is a list of some common liquids.

Other pump versions may be suitable, but those listed in the table are the best choices.

This table is for general reference only and cannot replace actual testing of pumping liquids and pump materials under specific working conditions.

Therefore, caution should be exercised when using the list. Factors such as the following may affect the chemical resistance of specific pump versions:

- Liquid concentration being pumped
- Liquid temperature
- Pressure.

Safety measures should be taken when pumping hazardous liquids.

Note		Friction pair	
D	Often contains additives.	B1	Imported impregnated furane resin (M106K).
E	Density and/or viscosity differs from water. This needs to be considered when calculating motor output and pump performance.	B2	Hot-pressed graphite.
F	Pump selection depends on many factors. Contact CNP.	S	Reaction-bonded silicon carbide.
H	Risk of crystallization/precipitation on the shaft seal.	S1	Sintered pressureless bonded silicon carbide.
1	Highly flammable liquid.	W	Hard alloy.
2	Combustible liquid.	M	PTFE carbon fiber graphite.
3	Insoluble in water.	S2	Silicon carbide with carbon.
4	Low flash point.		
Rubber			
P	Nitrile rubber (NBR)	Mineral oil, hydraulic oil, etc.; water glycol (HFC), emulsion oil; resistant to methane, ethane, and butane; water below 70°C, air up to 90°C.	
P1	Hydrogenated nitrile rubber	Maximum liquid resistance temperature 80°C, hot air 150°C; resistant to mineral oil, weak acids, and weak alkalis.	
E	Ethylene propylene rubber (EPDM)	Resistant to hot water below 100°C, steam at 150°C; phosphate ester flame-resistant hydraulic oil; alcohol-based brake fluid; animal oil, vegetable oil, beer, methanol, hydrazine hydrate, hydrogen peroxide, and moderate-strength acids and alkalis; not resistant to mineral oil.	
E1	Ethylene propylene rubber (for ethyl acetate)	Maximum liquid resistance temperature 100°C, specialized for ethyl acetate.	
F	Fluororubber F6174 corrugated tube (black)	Maximum water resistance temperature 100°C, not resistant to water vapor; resistant to high-temperature air up to 200°C, gasoline, light oil, silicone oil; suitable for oil seals and products with complex structures.	
F1	Fluororubber FC271O ring (big golden green)	Maximum water resistance temperature 120°C, not resistant to water vapor; resistant to high-temperature air above 230°C; resistant to gasoline and moderate-strength acids and alkalis; excellent compression permanent deformation; not resistant to water vapor.	
F2	Fluororubber F6870 (black)	Maximum water resistance temperature 150°C; resistant to aniline, phenol, trichloroethylene, glycerol; excellent solvent resistance to gasoline containing methanol, DOP, etc.; resistant to acids, alkalis, and water vapor	
F3	Fluororubber F6570 (black)	Maximum water temperature 180°C; resistant to strong acids and alkalis, 28% ammonia water; resistant to superheated water and water vapor	
F0	Perfluoroether rubber (black)	Resistant to hydrocarbons, alcohols, ketones, acids, alkalis, and amines, and most chemical media and mixed solvents; resistant to water temperature up to 160°C and water vapor	
T	Polytetrafluoroethylene (PTFE)	-	
Q	Silicone rubber (Q)	-	

Pumped liquid	Chemical formula	Note	Liquid concentration, liquid temperature	CDM	CDMF
Acetic acid	CH ₃ COOH	-	5 %, 20 °C	-	SSE
Acetone	CH ₃ COCH ₃	1,F	100%,20°C	-	SSE
Alkaline degreasing agent		D,F	-	SSE	-
Ammonium bicarbonate	NH ₄ HCO ₃	E	20%,30°C	-	SSE
Ammonium hydroxide	NH ₄ OH	-	20%,40°C	SSE	-
Aviation fuel		1,3,4,F	100%,20°C	SB1F1	-
Benzoic acid	C ₆ H ₅ COOH	H	0.5%,20°C	-	SSF1
Boiler water		-	< 120°C	SSE	
		F	120°C ~180°C	-	-
Calcareous water		-	< 90°C	SSE	-
Calcium acetate (as coolant with inhibitor)	Ca(CH ₃ COO) ₂	D,E	30%,50°C	SSE	-
Calcium hydroxide	Ca(OH) ₂	E	Saturated solution, 50 °C	SSE	-
Chloride-containing water		F	< 30°C ,max. 500 ppm	-	SSE
Chromic acid	H ₂ CrO ₄	H	1%,20°C	-	SSF1
Citric acid	HOC(CH ₂ CO ₂ H) ₂ COOH	H	5%,40°C	-	SSE
Completely desalinated water (demineralised water)		-	120°C	-	SSE
Condensate		-	120°C	SSE	-
Copper sulphate	CuSO ₄	E	10%,50°C	-	SSE
Corn oil		D,E,3	100%,80°C	SSF1	-
Diesel oil		2,3,4,F	100%,20°C	SB1F1	-
Domestic hot water (potable water)		-	< 120°C	SSE	-
Ethanol (ethyl alcohol)	C ₂ H ₅ OH	1,F	100%,20°C	SSE	-
Ethylene glycol	HOCH ₂ CH ₂ OH	D,E	50%,50°C	SSE	-
Formic acid	HCOOH	-	5%,20°C	-	SSE
Glycerine (glycerol)	OHCH ₂ CH(OH)CH ₂ OH	D,E	50%,50°C	SSE	-
Hydraulic oil (mineral)		E,2,3	100%,100°C	SSF1	-
Hydraulic oil (synthetic)		E,2,3	100%,100°C	SSF1	-
Isopropyl alcohol	CH ₃ CHOHCH ₃	1,F	100%,20°C	SSE	-
Lactic acid	CH ₃ CH(OH)COOH	E,H	10%,20°C	-	SSF1
Linoleic acid	C ₁₇ H ₃₁ COOH	E,3	100%,20°C	SSF1	-
Methanol (methyl alcohol)	CH ₃ OH	1,F	100%,20°C	SSE	-
Motor oil		E,2,3	100%,80°C	SSF1	-
Naphthalene	C ₁₀ H ₈	E,H	100%,80°C	SSF1	-
Nitric acid	HNO ₃	F	1%,20°C	-	SSE
Oil-containing water		-	< 100°C	SSF1	-
Olive oil		D,E,3	100%,80°C	SSF1	-
Oxalic acid	(COOH) ₂	H	1%,20°C	-	SSE
Ozone-containing water	(O ₃)	-	< 100°C	-	SSE
Peanut oil		D,E,3	100%,80°C	SSF1	-
Petrol		1,3,4,F	100%,20°C	SB1F1	-
Phosphoric acid	H ₃ PO ₄	E	20%,20°C	-	SSE
Propanol	C ₃ H ₇ OH	1,F	100%,20°C	SSE	-
Propylene glycol	CH ₃ CH(OH)CH ₂ OH	D,E	50%,90°C	SSE	-
Potassium carbonate	K ₂ CO ₃	E	20%,50°C	SSE	-
Potassium formate (as coolant with inhibitor)	KOOCH	D,E	30%,50°C	SSE	-
Potassium hydroxide	KOH	E	20%,50°C	-	SSE
Potassium permanganate	KMnO ₄	-	5%,20°C	-	SSE
Rape seed oil		D,E,3	100%,80°C	SSF1	-
Salicylic acid	C ₆ H ₄ (OH)COOH	H	0.1%,20°C	-	SSE
Silicone oil		E,3	100%	SSF1	-
Sodium bicarbonate	NaHCO ₃	E	10%,60°C	-	SSE
Sodium chloride (as coolant)	NaCl	D,E	30%, < 5°C ,pH 大于 8	SSE	-
Sodium hydroxide	NaOH	D,E	20%,50°C	-	SSE
Sodium hypochlorite	NaOCl	F	0.1%,20°C	-	SSF1
Sodium nitrate	NaNO ₃	E	10%,60°C	-	SSE
Sodium phosphate	Na ₃ PO ₄	E,H	10%,60°C	-	SSE
Sodium sulphate	Na ₂ SO ₄	E,H	10%,60°C	-	SSE
Softened water		-	< 120°C	-	SSE
Soya oil		D,E,3	100%,80°C	SSF1	-
Sulphuric acid	H ₂ SO ₄	F	1%,20°C	-	SSF1
Sulphurous acid	H ₂ SO ₃	-	1%,20°C	-	SSE
Unsalted swimming-pool water		-	Approx. 2 ppm free chlorine (Cl ₂)	SSE	-

This image shows a full page of dot grid paper. The background is white, and it is covered with a regular pattern of small, dark gray dots. The dots are arranged in perfectly horizontal rows, with equal spacing between them both horizontally and vertically, creating a guide for writing or drawing.



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