

CDM CDMF

60Hz
Light Vertical
Multistage
Centrifugal Pump



Stock code:300145

Pumping Water Pumping Honor



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.

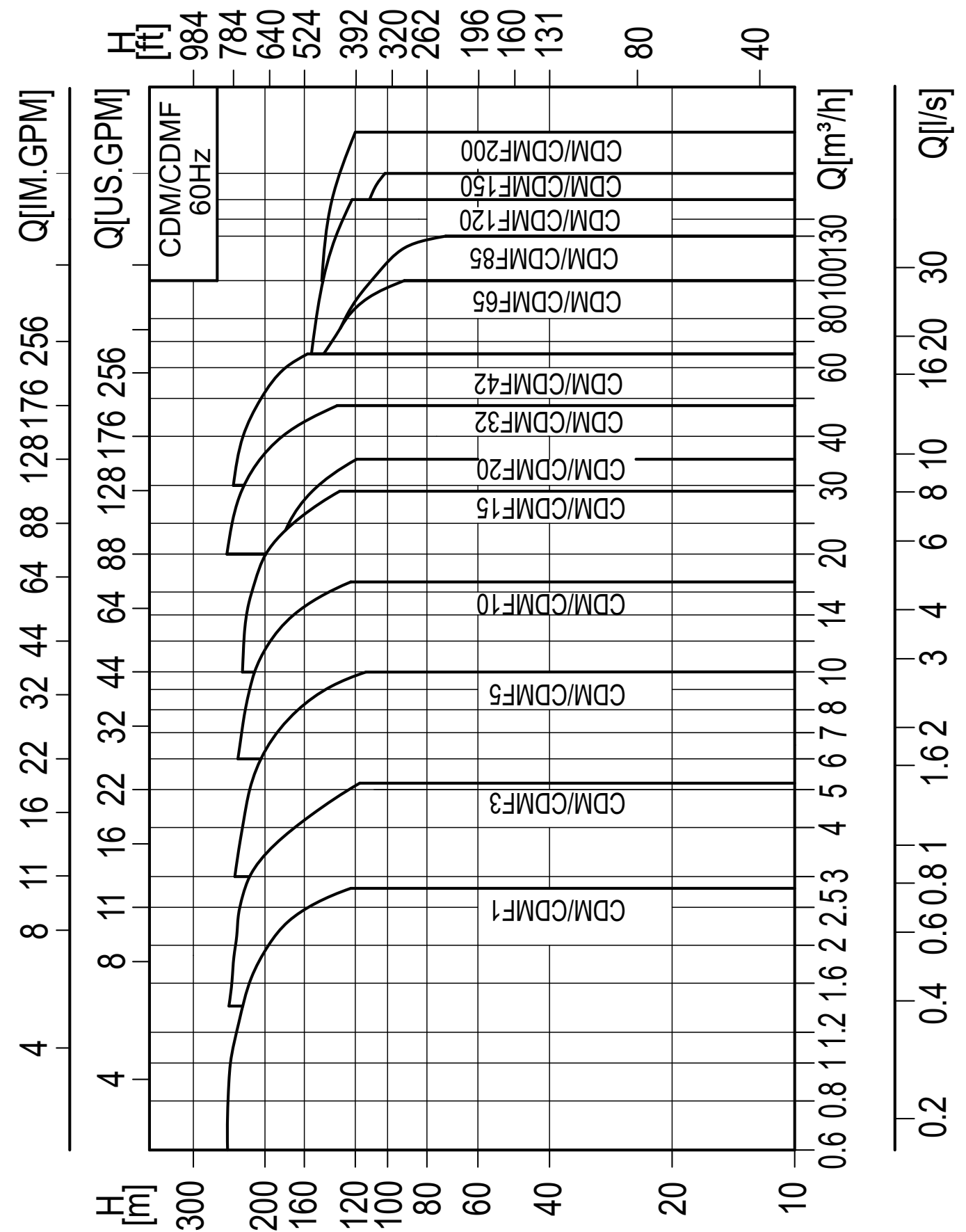
With over 300 domestic offices and foreign agents, CNP has a complete network of marketing services to meet the requirements of overseas and domestic needs. The products have been widely applied in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire 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]		0.6~2.8	1.4~5.2	3~10	6~17	10~29	13~35
Flow range [l/s]		0.17~0.78	0.39~1.44	0.83~2.78	1.67~4.72	2.78~8.06	3.61~9.72
Max. pressure [bar]		25	25	24	24	23	20
Motor power [kW]		0.37~3	0.37~4	0.55~5.5	0.75~11	1.5~18.5	2.2~18.5
Temp [°C]		-15 ~ +120					
Max. efficiency [%]		49	59	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	85	120	150	200
Rated flow [l/s]		8.89	11.67	18.06	23.61	33.33	41.67	55.56
Flow range [m³/h]		20~45	30~65	40~100	60~130	60~160	80~180	100~240
Flow range [l/s]		5.5~13.3	8.3~18	11.1~27.7	16.7~36.1	16.7~44.4	25~50	27.8~66.7
Max. pressure [bar]		25	26	18	15	15	14	15
Motor power [kW]		3~30	5.5~45	7.5~45	11~45	18.5~75	15~75	30~110
Temp [°C]		-15~+120						
Max. efficiency [%]		73	75	76	77	74	73	79
Pipelines	DIN flange	DN65	DN80	DN100	DN100	DN125	DN125	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: 60Hz: 3×200-230/346-400V
3×200-255/380-440V
3×220-277/380-485V

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 60Hz; constant motor speed 3500rpm or 3540rpm.

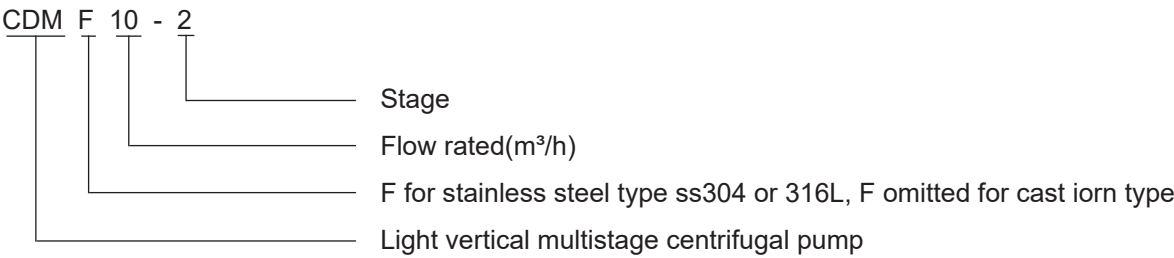
2. Curve tolerance in conformity with ISO9906:2012, Grade 3B.

3. Measurement is done with 20°C air-free water, kinematic viscosity of 1mm²/sec.

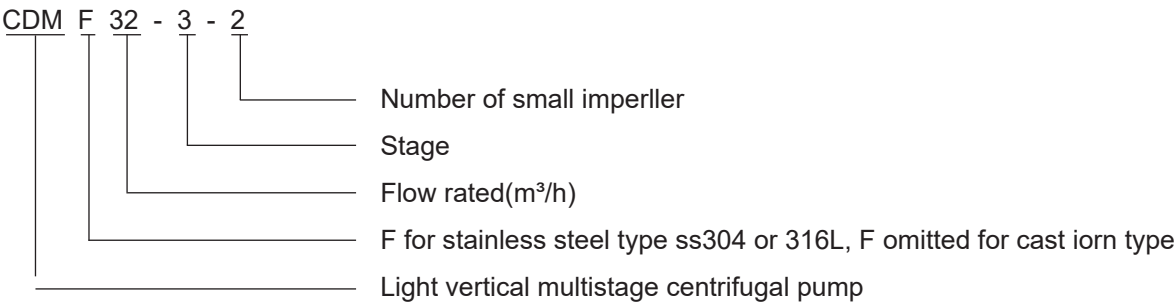
4. The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.

Model definition

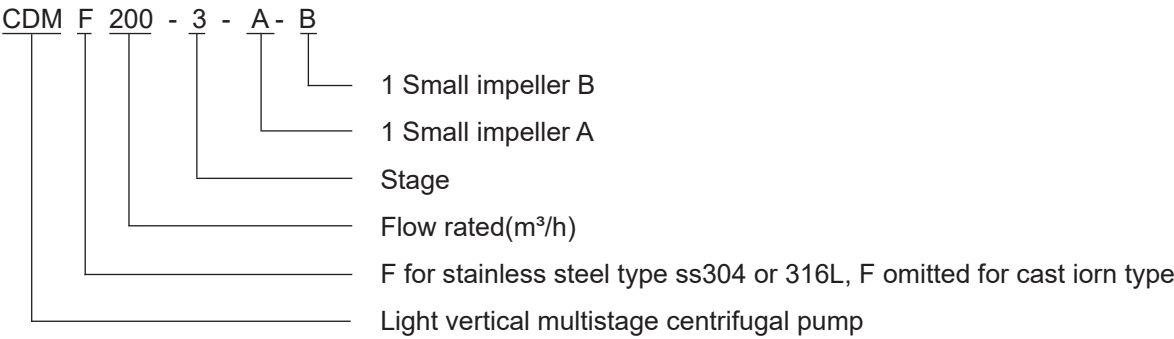
CDM/CDMF 1,3,5,10,15&20



CDM/CDMF 32,42,65,85,120&150



CDM/CDMF 200



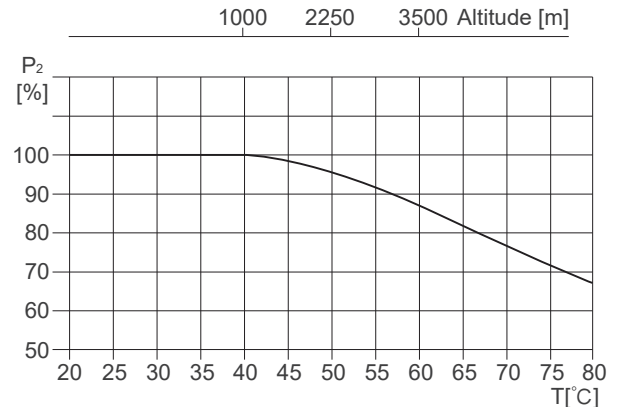
Max.working perssure

Model	Max working(bar)
CDM/CDMF1,3,5,10,15,20 Flange, cutting ferrule, pipe thread	25
CDM/CDMF1,3,5,10 oval flange	16
CDM32	
32-1-1~32-6-2	16(30)
32-6~32-10-2	30
CDMF32	30
CDM42	
42-1-1~42-4-2	16(30)
42-4~42-6	25(30)
42-7-2~42-7	30
CDMF42	
42-1-1~42-6	25(30)
42-7-2~42-7	30
CDM65	
65-1-1~65-3	16(25)
65-4-2~65-5-2	25
CDM85	
85-1-1~85-3-2	16(25)
85-3-1~85-4-2	25
CDMF65,85	25
CDM/CDMF120,150,200	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:

$$H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$$

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.)

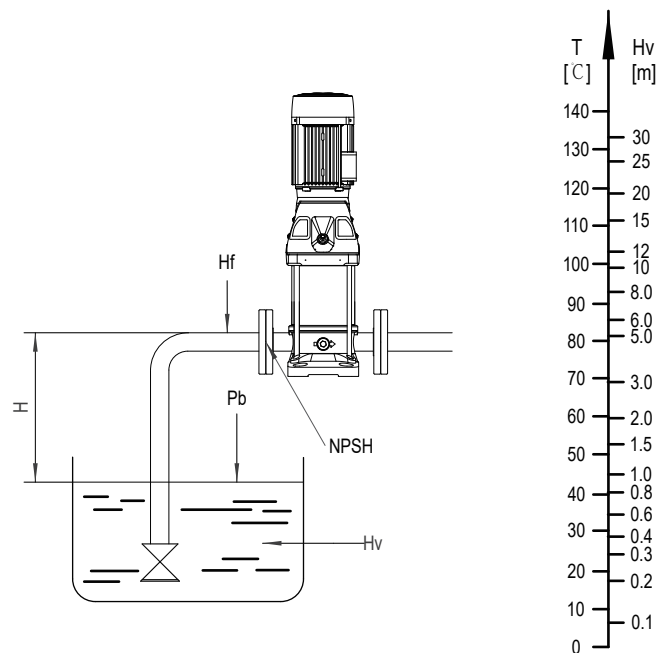
H_f = Pipe friction loss at the inlet [m].

H_v = Vapour pressure [m].

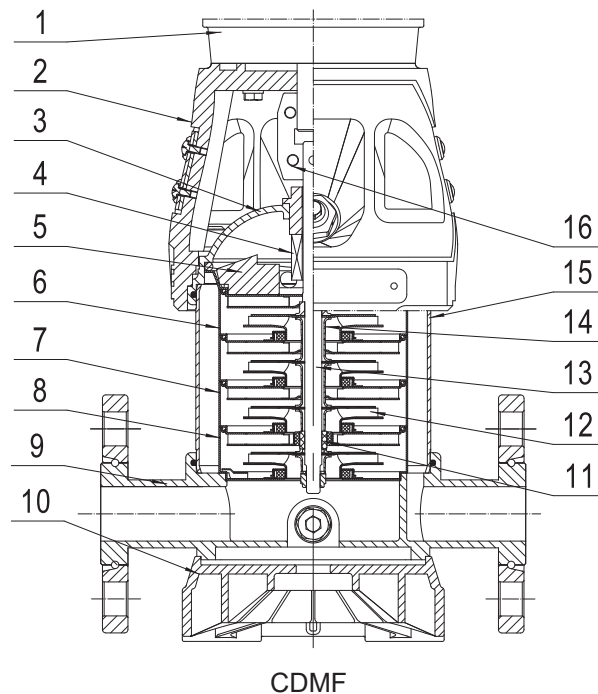
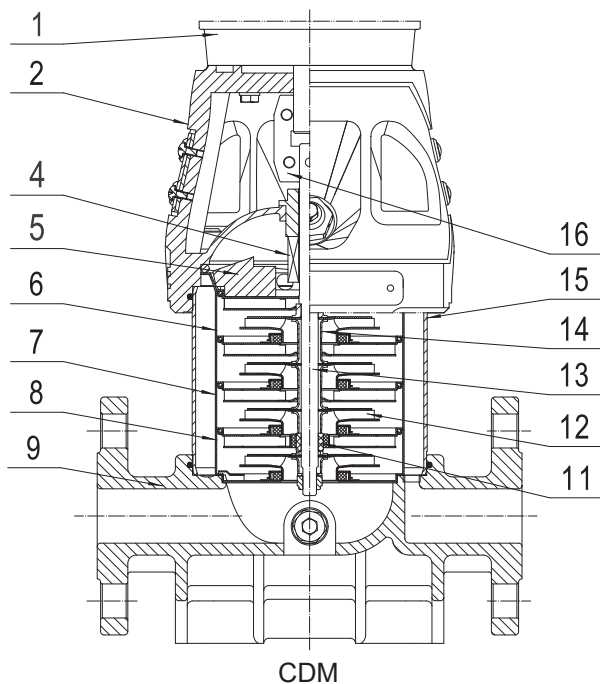
H_s = Safety margin = minimum 0.5 meters head.

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

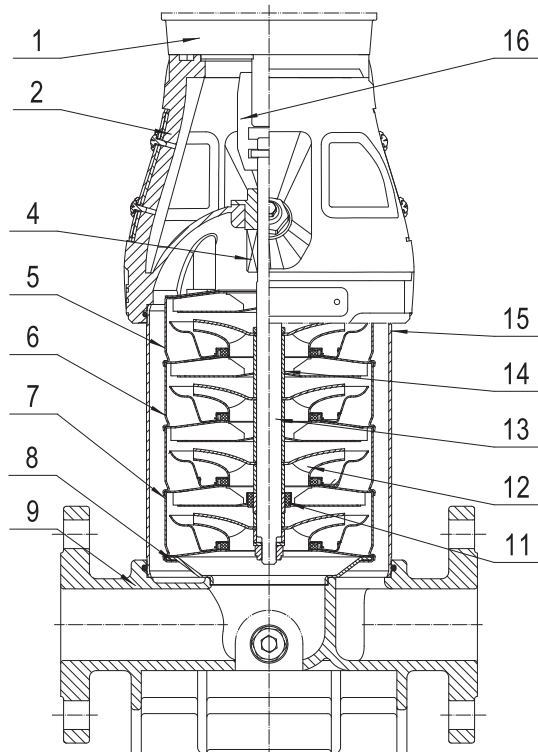
Pos.	Name	Materials	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal	Tungsten carbide /Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Cast iron	ASTM25B
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.

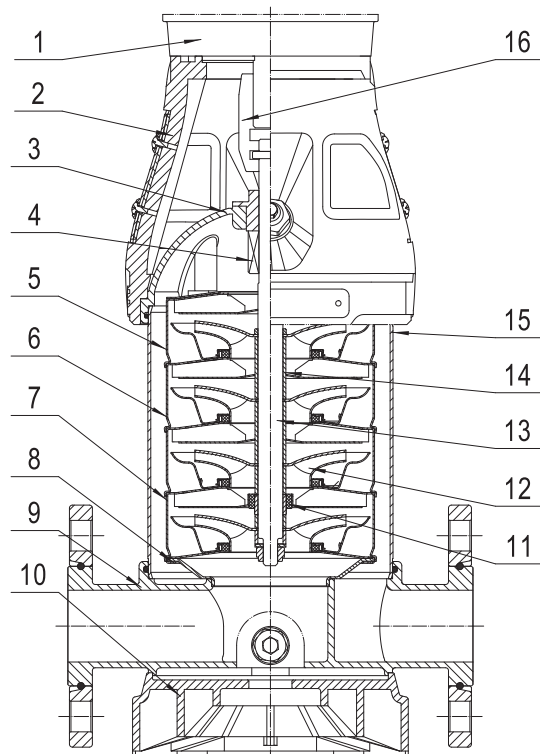
CDMF 1,3,5 Material list

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

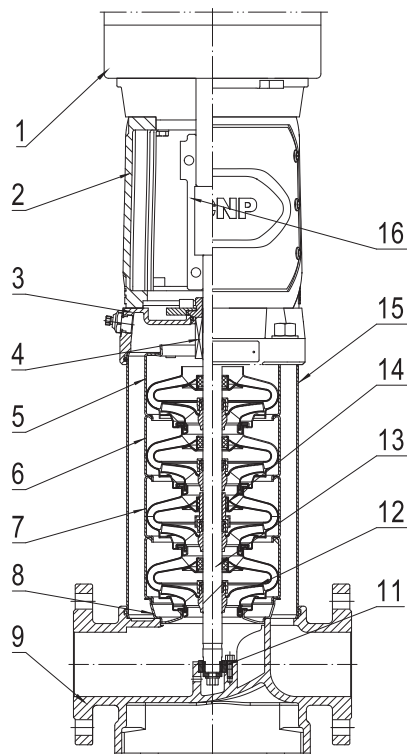
Pos.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal	Tungsten carbide/ Carbon	
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
9	Inlet & outlet chamber	Cast iron	ASTM25B
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

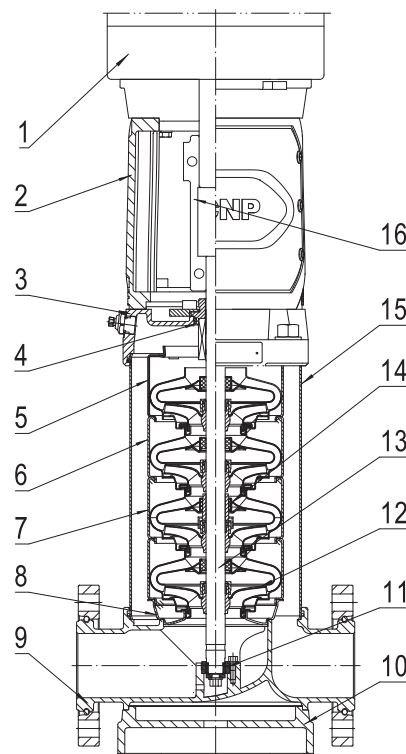


CDM

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	Stainless steel	AISI304
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.

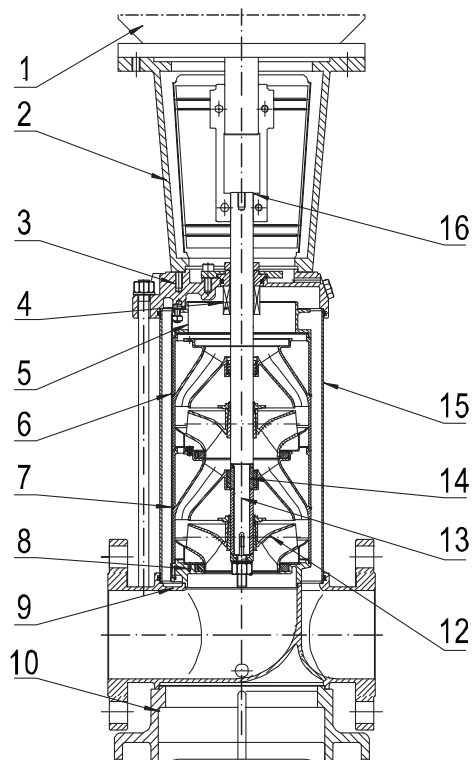


CDMF

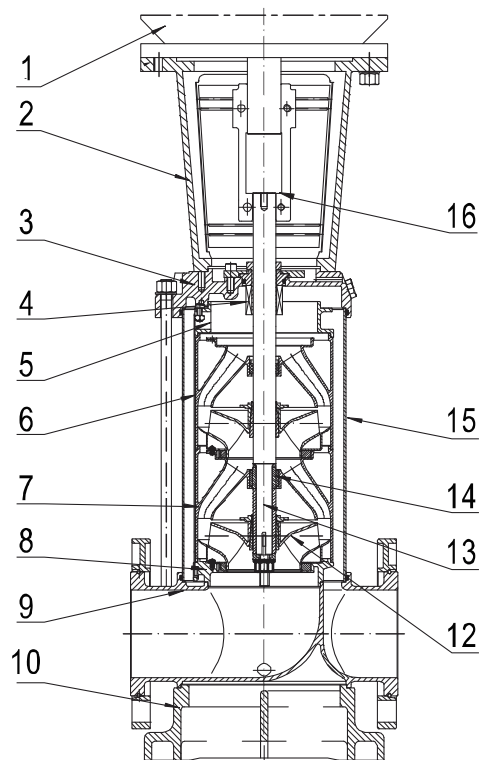
CDMF 32,42,65,85 Material list

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 120,150,200 Sectional drawing



CDM



CDMF

CDM 120,150,200 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	Stainless steel	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	

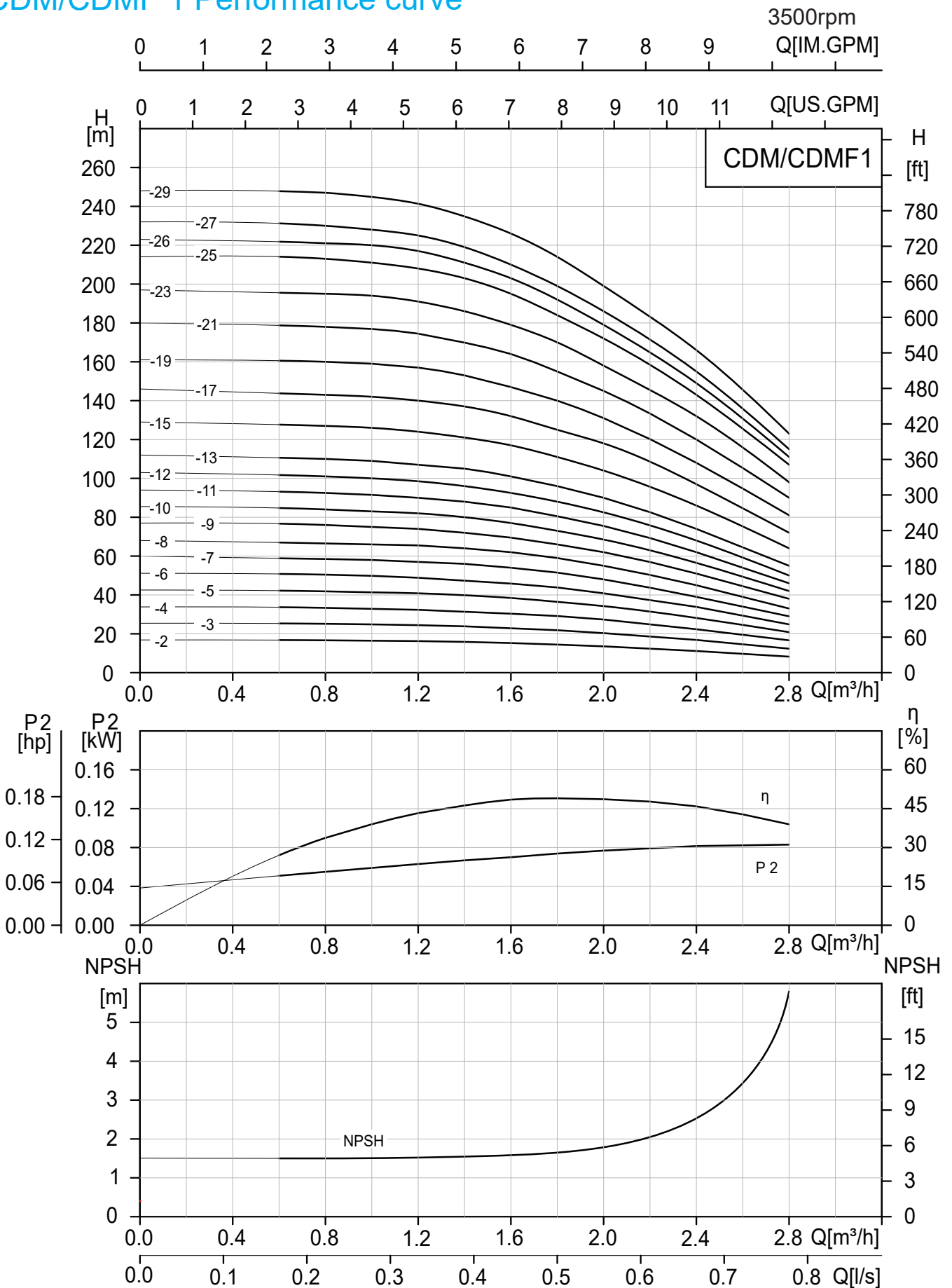
CDMF 120,150,200 Material list

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

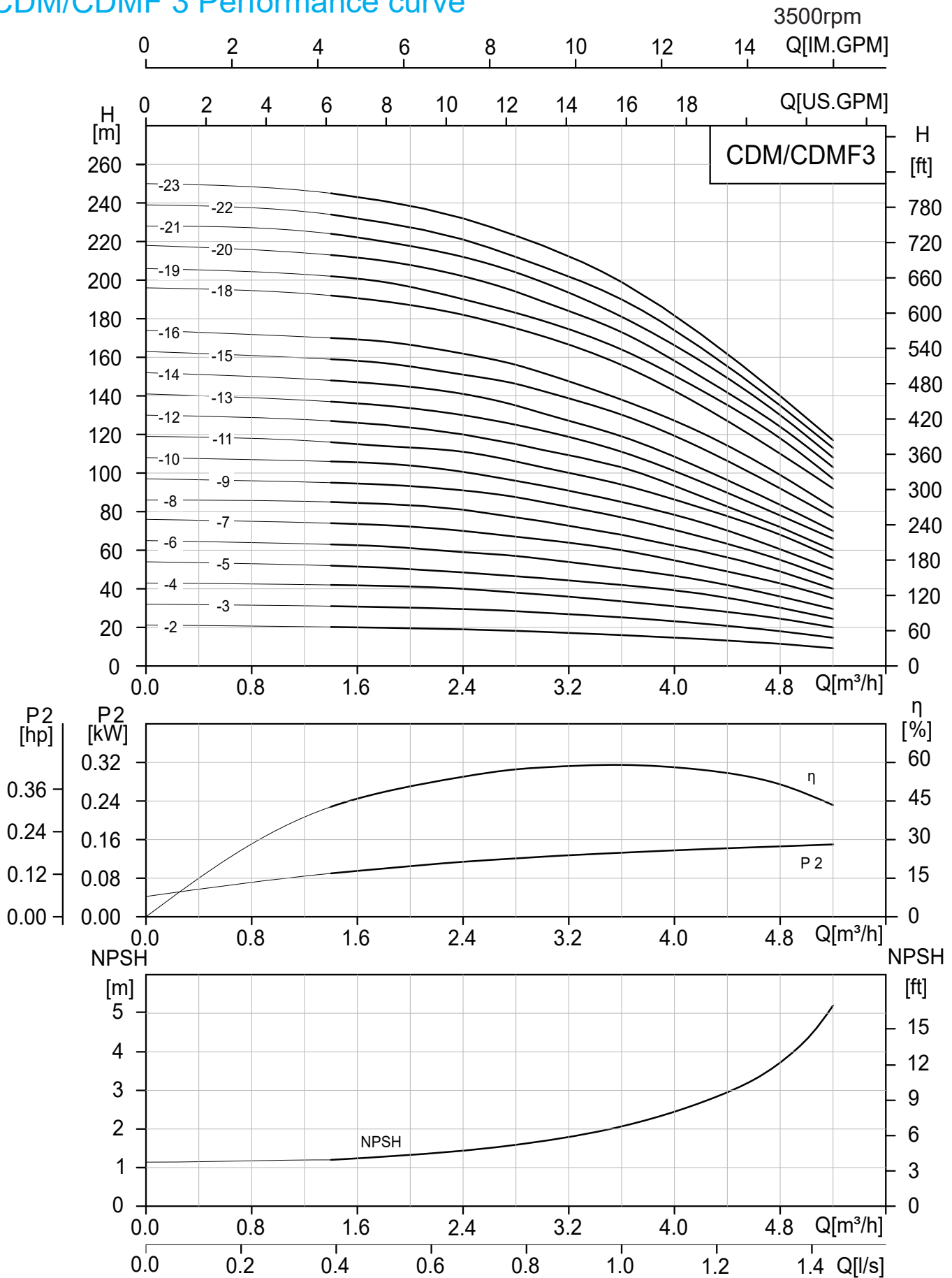
CDM/CDMF 1 Performance curve



CDM/CDMF 1 Performance table

Model	Motor		Q (m³/h)	0	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.4	2.8
	(kW)	(hp)												
1-2	0.37	0.5	H (m)	17.5	17	16.8	16.6	16.4	16	15.4	14.6	13.7	11.3	8.4
1-3	0.37	0.5		26	25.5	25.3	25	24.6	24	23	22	20.5	17	12.5
1-4	0.37	0.5		34	33.8	33.5	33	32.5	31.5	30.5	29.3	27.5	22.5	16.8
1-5	0.55	0.75		43	42.5	42	41.5	41	40	38.6	36.6	34.4	28.3	21
1-6	0.55	0.75		51.5	51	50.6	50	49	47.5	46	44	41	34	25
1-7	0.75	1		60	59	58.5	58	57	56	54	51.5	48	39	29
1-8	0.75	1		68	67	66.5	66	65.5	64	62	59	55	45	33
1-9	0.75	1		77	76.5	76	75	74	72	69.5	66	62	51	38
1-10	1.1	1.5		85.5	84.5	84	83	82	80	77	73	68.5	56.5	42
1-11	1.1	1.5		94	93	92.5	91.5	90	88	85	80.5	75.5	62	46
1-12	1.1	1.5		103	102	101	100	98.5	96	92.5	88	82.5	68	50
1-13	1.1	1.5		112	111	110	109	107	105	101	96	90	74	55
1-15	1.5	2		129	128	127	126	124	121	117	111	104	86	64
1-17	1.5	2		146	144	143	142	140	137	132	125	118	97	72
1-19	2.2	3		162	161	160	159	157	153	147	140	131	108	81
1-21	2.2	3		180	179	178	177	175	170	164	155	145	120	90
1-23	2.2	3		197	196	195	194	191	186	179	170	158	132	98
1-25	2.2	3		215	214	213	211	208	203	195	184	172	143	107
1-26	2.2	3		223	222	221	220	217	211	203	192	179	149	111
1-27	3	4		232	231	230	228	225	219	210	199	186	155	115
1-29	3	4		249	248	247	245	242	235	226	214	199	166	123

CDM/CDMF 3 Performance curve

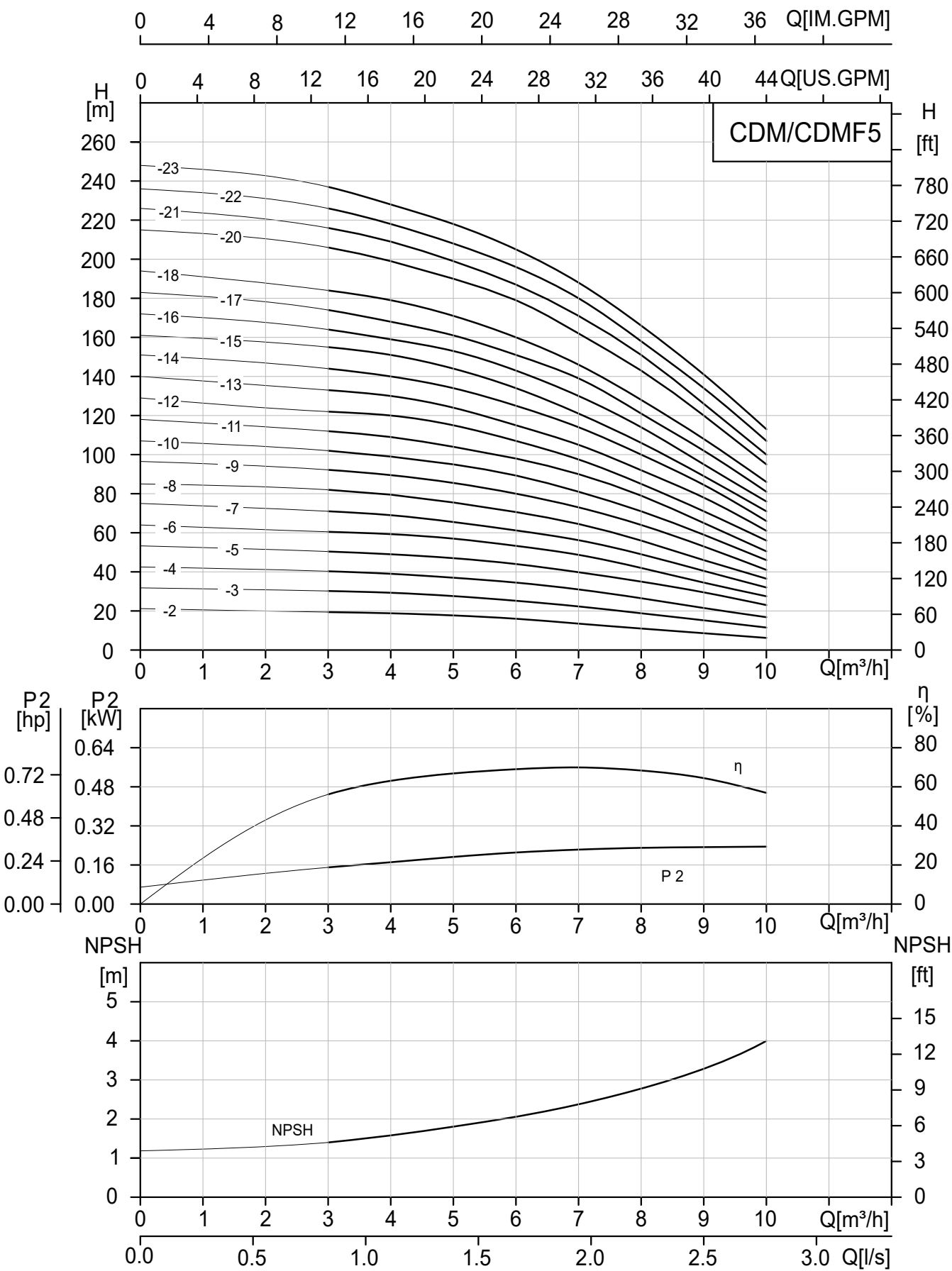


CDM/CDMF 3 Performance table

Model	Motor		Q (m³/h)	0	1.4	1.8	2.4	2.8	3	3.6	4.2	4.8	5.2
	(kW)	(hp)											
3-2	0.37	0.5	H (m)	21.2	20.2	19.8	19	18.2	17.7	16	14	11.5	9.2
3-3	0.55	0.75		32	31	30.5	29.5	28.4	27.6	25.2	22	18	14.6
3-4	0.75	1		43	42	41.5	40	38	37	33.5	29.5	24.5	20
3-5	1.1	1.5		54	52	51	48.5	46.5	45.5	42	37.5	30.2	24.5
3-6	1.1	1.5		65	63	62	59	57	55.5	50.5	44.5	36	29.5
3-7	1.1	1.5		76	74	73	70	67	65.5	60	52	43.2	35
3-8	1.5	2		86	85	84	81	77	75	68	59.5	49	40
3-9	1.5	2		97	95	94	91	87.5	85	77	67	55	45
3-10	2.2	3		108	106	105	101	96	93.5	85	74.5	60.5	50
3-11	2.2	3		119	116	114	111	106	103	94	82	68	56
3-12	2.2	3		130	127	125	120	115	112	103	88	72	60
3-13	2.2	3		141	137	135	130	125	122	111	95.5	78	66
3-14	2.2	3		152	148	146	141	135	131	119	102.5	83.5	70
3-15	3	4		163	159	157	151	146	142	130	113	92	77
3-16	3	4		174	170	168	161	156	152	138	121	99	82
3-18	3	4		196	192	189	182	175	171	156	135	110	92
3-19	3	4		206	202	199	190	183	179	164	143	118	97
3-20	4	5.5		218	213	210	202	194	189	173	150	124	103
3-21	4	5.5		228	224	220	212	204	199	181	158	130	108
3-22	4	5.5		239	234	230	222	212	207	190	165	135	113
3-23	4	5.5		250	245	241	232	223	218	199	172	140	117

CDM/CDMF 5 Performance curve

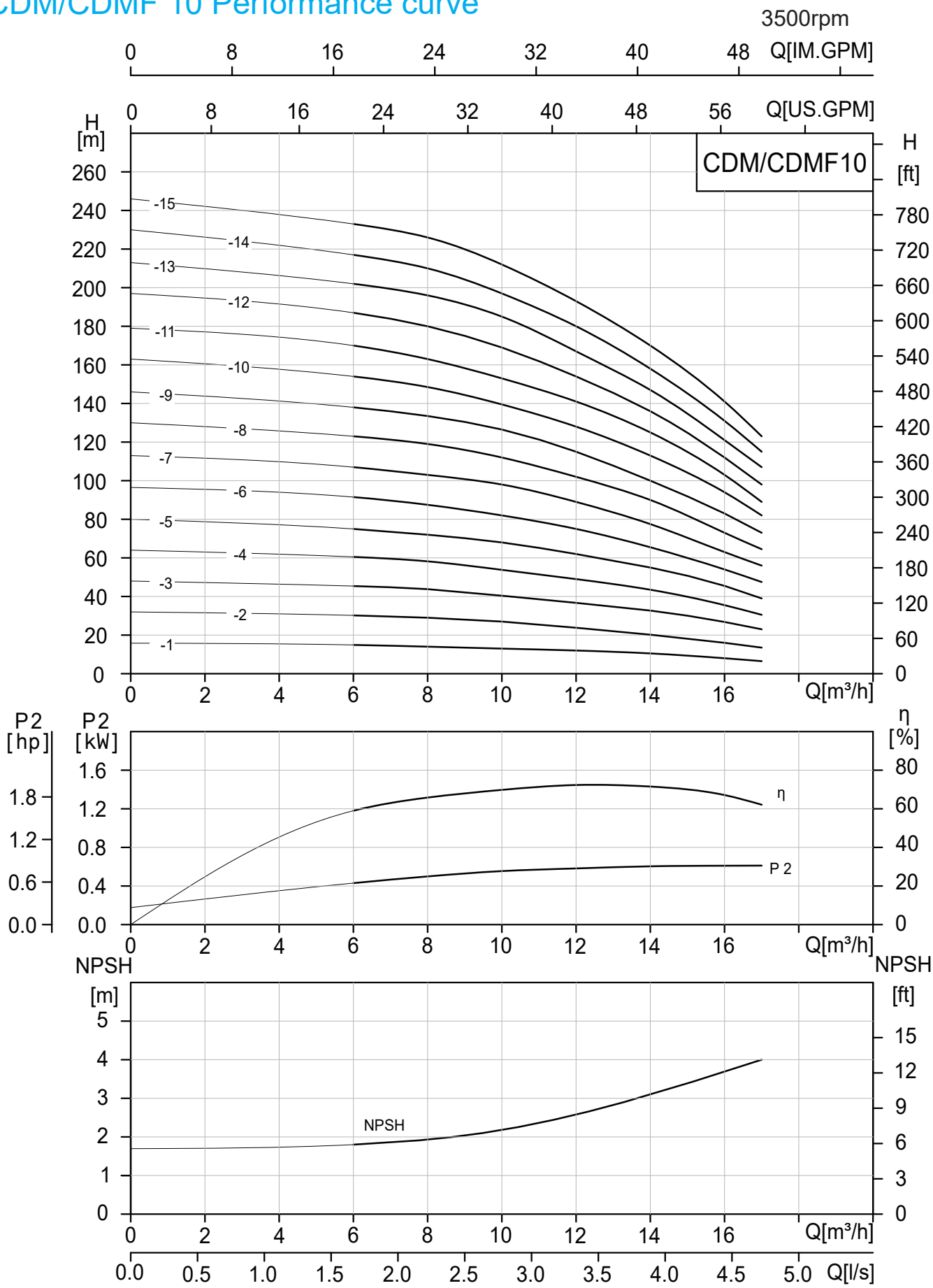
3500rpm



CDM/CDMF 5 Performance table

Model	Motor		Q (m³/h)	0	3	4	5	6	7	8	9	10
	(kW)	(hp)										
5-2	0.55	0.75	H (m)	21.2	19.4	18.8	17.7	16	13.5	11	8.6	6.2
5-3	0.75	1		31.8	30.2	29.3	27.6	25.2	22.3	18.8	15.2	11.5
5-4	1.1	1.5		42.5	40.3	39	37	34.5	31	26.5	21.5	16.8
5-5	1.5	2		53.3	50.4	49	47	44	39.8	35	29.5	23
5-6	1.5	2		64	60.5	59.3	57	53.3	48.7	42	34.5	27.5
5-7	2.2	3		75	71	69	65.5	61.2	56.2	49	40.5	32
5-8	2.2	3		85	82	79.5	75.5	70.6	64.5	56	46	36.5
5-9	2.2	3		96.5	92.2	89.5	85.5	80	73	64	53	41
5-10	3	4		107	102	99	95	89.3	81	71	59	46
5-11	3	4		118	112	109	104	98	90	79	65	50.5
5-12	3	4		129	122	120	115	107	97.5	85	71	56
5-13	4	5.5		140	133	130	124	115	105	92	78	61
5-14	4	5.5		151	144	140	134	125	114	100	84.5	66
5-15	4	5.5		161	155	151	144	134	121	106	89	71
5-16	4	5.5		172	164	159	153	143	130	114	95	76
5-17	5.5	7.5		183	174	168	161	151	139	121	102	81
5-18	5.5	7.5		194	184	179	171	160	146	128	108	86
5-20	5.5	7.5		215	206	199	190	179	162	143	120	95
5-21	5.5	7.5		226	216	209	199	187	171	151	126	100
5-22	5.5	7.5		236	226	218	208	196	180	158	134	107
5-23	5.5	7.5		248	237	228	218	205	188	166	141	113

CDM/CDMF 10 Performance curve

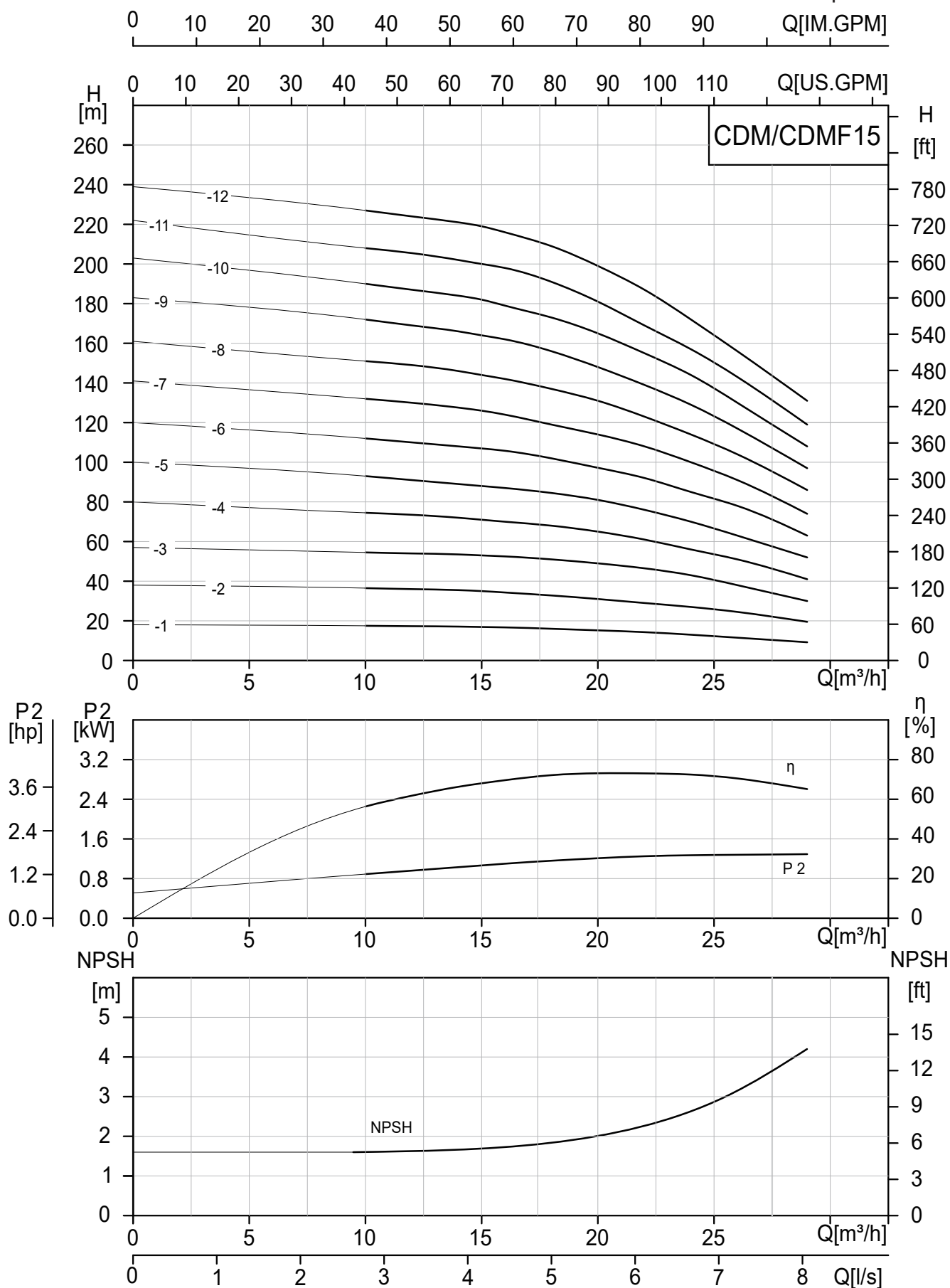


CDM/CDMF 10 Performance table

Model	Motor		Q (m³/h)	0	6	8	10	12	14	16	17
	(kW)	(hp)									
10-1	0.75	1	H (m)	15.8	14.9	14	13	12	10.5	8	6.5
10-2	1.5	2		32	30.2	29	27	23.8	20.2	16	13.5
10-3	2.2	3		48	45.5	44	40.5	36.5	32.5	27	23
10-4	3	4		64	60.5	58	54	49	43.5	35.5	30.5
10-5	4	5.5		80	75	72	68	62	55	45.5	39
10-6	4	5.5		96.5	91.5	87.5	82	75	65.5	54	47.5
10-7	5.5	7.5		113	107	103	98	89	77.5	63	56
10-8	5.5	7.5		130	123	119	112	102	90	73	64.5
10-9	7.5	10		146	138	133.5	126.5	115	100	83	73
10-10	7.5	10		163	154	148.5	139.5	128	113	94	82
10-11	7.5	10		179	170	163	153	141	125	103	89
10-12	7.5	10		197	187	180	169	154	136	112	98
10-13	11	15		213	202	196	185	167	147	121	107
10-14	11	15		230	217	210	197	180	158	131	115
10-15	11	15		246	233	226	212	193	170	141	123

CDM/CDMF 15 Performance curve

3500rpm

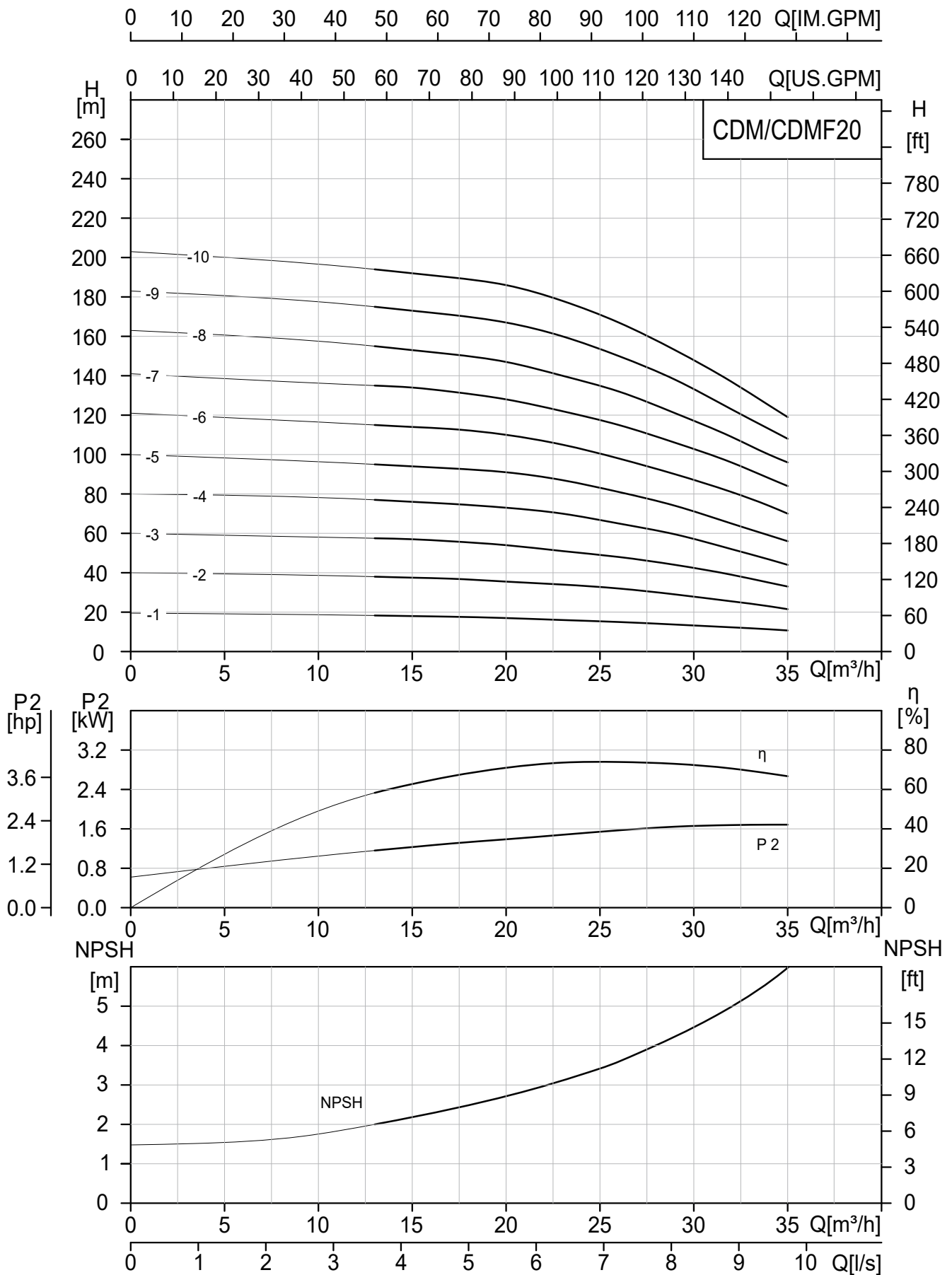


CDM/CDMF 15 Performance table

Model	Motor		Q (m³/h)	0	10	12	14	15	16	18	20	22	24	26	28	29
	(kW)	(hp)														
15-1	1.5	2	H (m)	18	17.5	17.3	17.1	16.9	16.7	16	15.2	14.3	13	11.5	10	9.2
15-2	3	4		38	36.5	36	35.5	35	34.3	32.8	31	29	27	24.5	21.5	19.5
15-3	4	5.5		57	54.5	54	53.5	53	52.5	51	49	46.5	43	38	33	30
15-4	5.5	7.5		80	74.5	73.5	72	71	70	68	65	61	56	51	45	41
15-5	7.5	10		100	93	91	89	88	87	84.5	81	76	70	63	56	52
15-6	11	15		120	112	110	108	107	106	102	97	92	85	78	68	63
15-7	11	15		141	132	130	128	126	124	119	114	108	100	91	80	74
15-8	11	15		161	151	149	146	144	142	137	131	123	114	104	92	86
15-9	15	20		183	172	169	166	164	162	156	148	139	129	117	104	97
15-10	15	20		203	190	187	184	182	179	173	165	155	144	130	116	108
15-11	15	20		222	208	205	202	200	198	191	181	169	157	143	127	119
15-12	18.5	25		239	227	224	221	219	216	209	199	187	172	156	139	131

CDM/CDMF 20 Performance curve

3500rpm

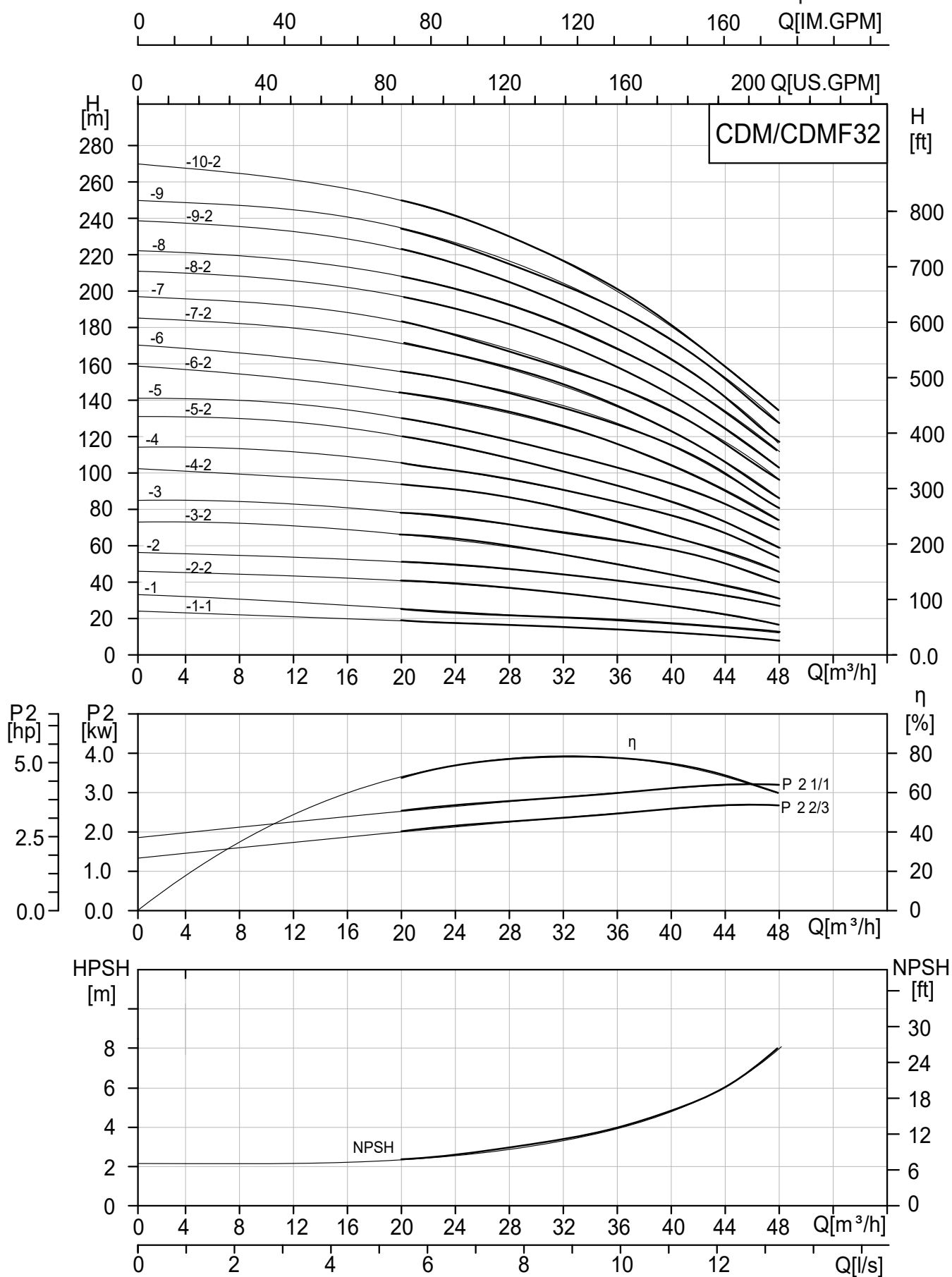


CDM/CDMF 20 Performance table

Model	Motor		Q (m³/h)	0	13	15	17	20	23	26	29	32	24	35
	(kW)	(hp)												
20-1	2.2	3	H (m)	19.5	18.3	18	17.7	17	16	15	13.7	12.3	11.3	10.7
20-2	4	5.5		40	38	37.5	37	35.5	34	32	29	25.5	23	21.5
20-3	5.5	7.5		60	57.5	57	56	54	51	48	44	39	35	33
20-4	7.5	10		80	77	76	75	73	70	65	59.5	52	47	44
20-5	11	15		100	95	94	93	91	87	81	74	65	59	56
20-6	11	15		121	115	114	113	110	105	98	90	81	74	70
20-7	15	20		141	135	134	132	128	122	115	106	96	88	84
20-8	15	20		163	155	153	151	147	140	132	121	109	100	96
20-9	18.5	25		183	175	173	171	167	160	150	138	123	113	108
20-10	18.5	25		203	194	192	190	186	178	167	153	137	125	119

CDM/CDMF 32 Performance curve

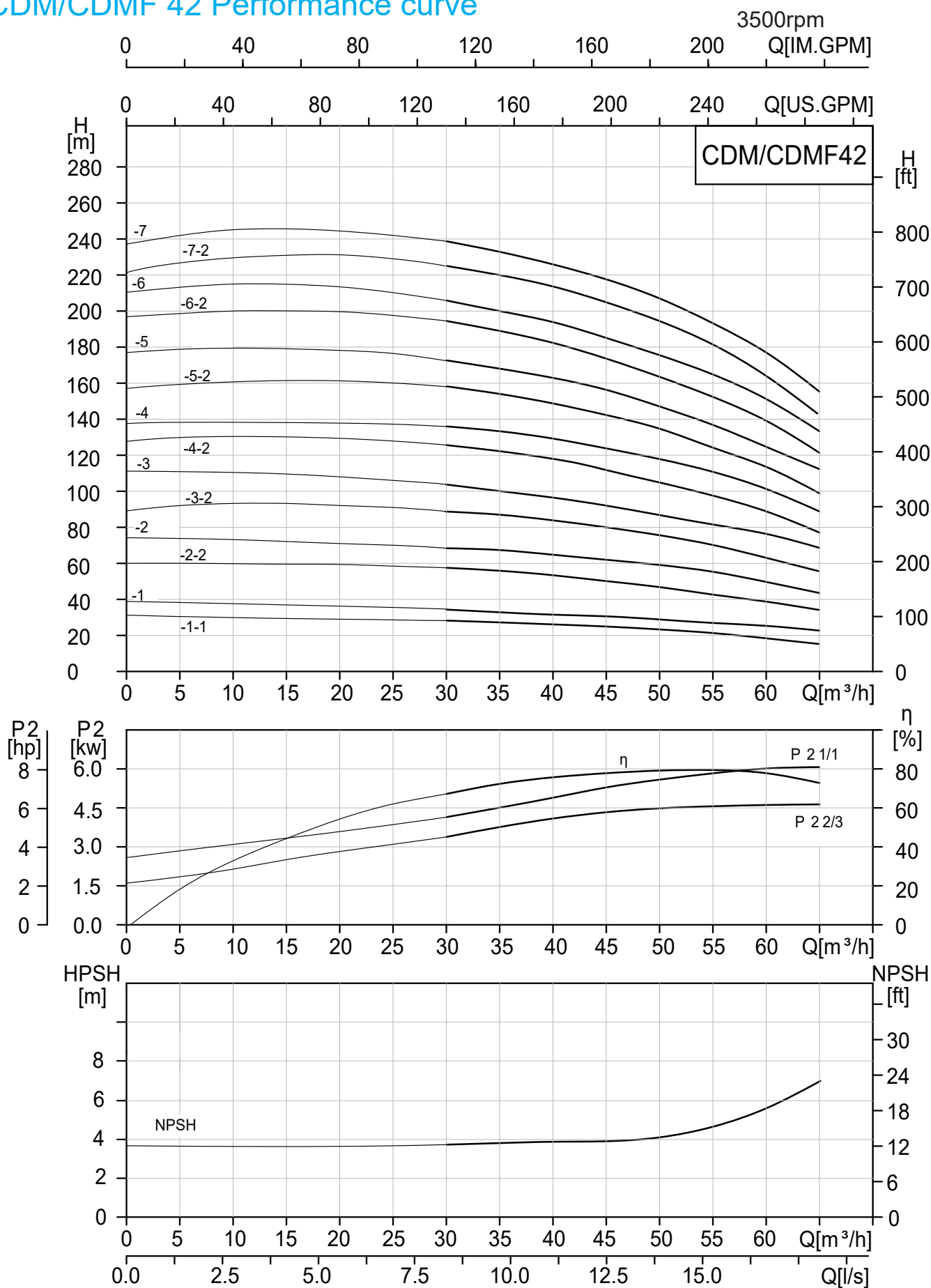
3500rpm



CDM/CDMF 32 Performance table

Model	Motor		Q (m³/h)	0	20	24	28	32	36	40	44	48
	(kW)	(hp)										
32-1-1	3	4	H (m)	24	20	19	18	17	15	13	10	7
32-1	4	5.5		33	26	25	24	23	21	19	17	14
32-2-2	5.5	7.5		46	41	40	38	35	31	27	22	17
32-2	7.5	10		56	52	50	48	45	41	37	33	27
32-3-2	7.5	10		73	67	64	61	57	52	46	39	31
32-3	11	15		85	78	75	71	67	62	56	50	40
32-4-2	11	15		102	94	91	87	81	73	65	56	45
32-4	15	20		114	104	101	96	91	83	75	66	55
32-5-2	15	20		131	119	115	109	102	94	84	73	59
32-5	18.5	25		141	130	125	119	112	104	94	83	69
32-6-2	18.5	25		159	145	140	134	126	116	104	90	74
32-6	18.5	25		170	155	150	144	136	126	114	100	81
32-7-2	22	30		185	172	166	158	149	137	123	106	86
32-7	22	30		197	182	176	168	159	148	133	118	97
32-8-2	22	30		211	196	190	182	172	159	143	124	102
32-8	30	40		222	208	201	192	181	167	152	132	111
32-9-2	30	40		238	223	216	206	194	179	162	142	117
32-9	30	40		250	234	226	216	204	189	172	152	127
32-10-2	30	40		270	248	241	231	217	201	181	159	133

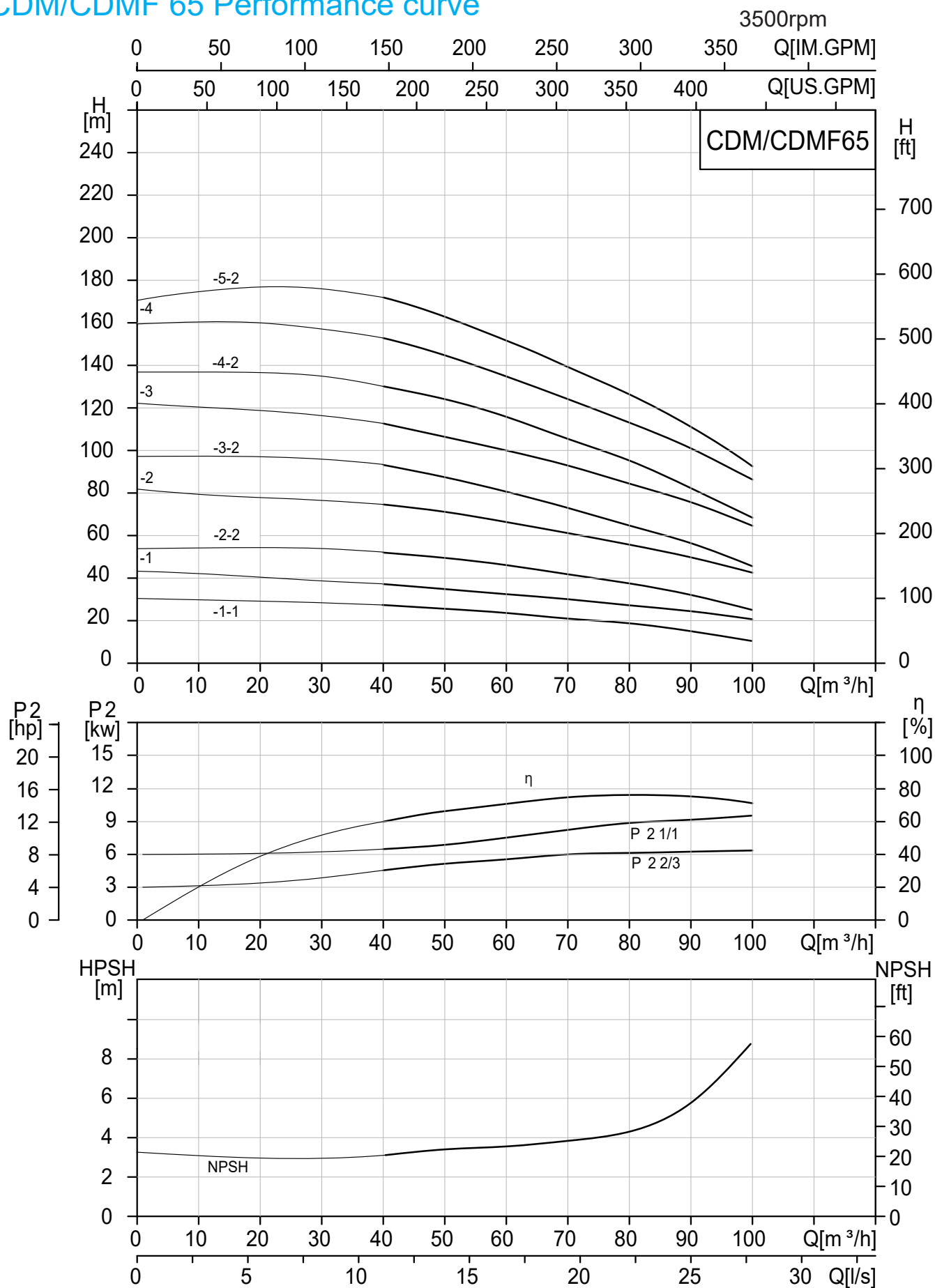
CDM/CDMF 42 Performance curve



CDM/CDMF 42 Performance table

Model	Motor		Q (m³/h)	0	30	35	40	42	45	50	55	60	65
	(kW)	(hp)											
42-1-1	5.5	7.5	H (m)	31	29	28	27	26	25	23	21	19	16
42-1	7.5	10		39	34	33	32	31.5	30	29	27	25	22
42-2-2	11	15		60	57	55	53	52	49	46	43	38	33
42-2	15	20		74	69	67	65	63	61	59	55	50	44
42-3-2	18.5	25		89	90	88	85	83	80	75	72	63	55
42-3	18.5	25		111	102	100	97	95	92	88	82	76	68
42-4-2	22	30		128	125	121	118	115	112	105	98	89	78
42-4	30	40		138	136	133	129	126	123	117	112	102	89
42-5-2	30	40		157	159	154	149	146	142	134	121	115	99
42-5	30	40		177	171	166	161	158	154	145	138	126	112
42-6-2	37	50		197	194	188	182	178	173	163	155	139	122
42-6	37	50		210	205	200	193	190	186	176	166	152	134
42-7-2	45	60		221	227	220	213	210	205	193	182	165	144
42-7	45	60		237	239	232	226	221	216	204	194	178	157

CDM/CDMF 65 Performance curve

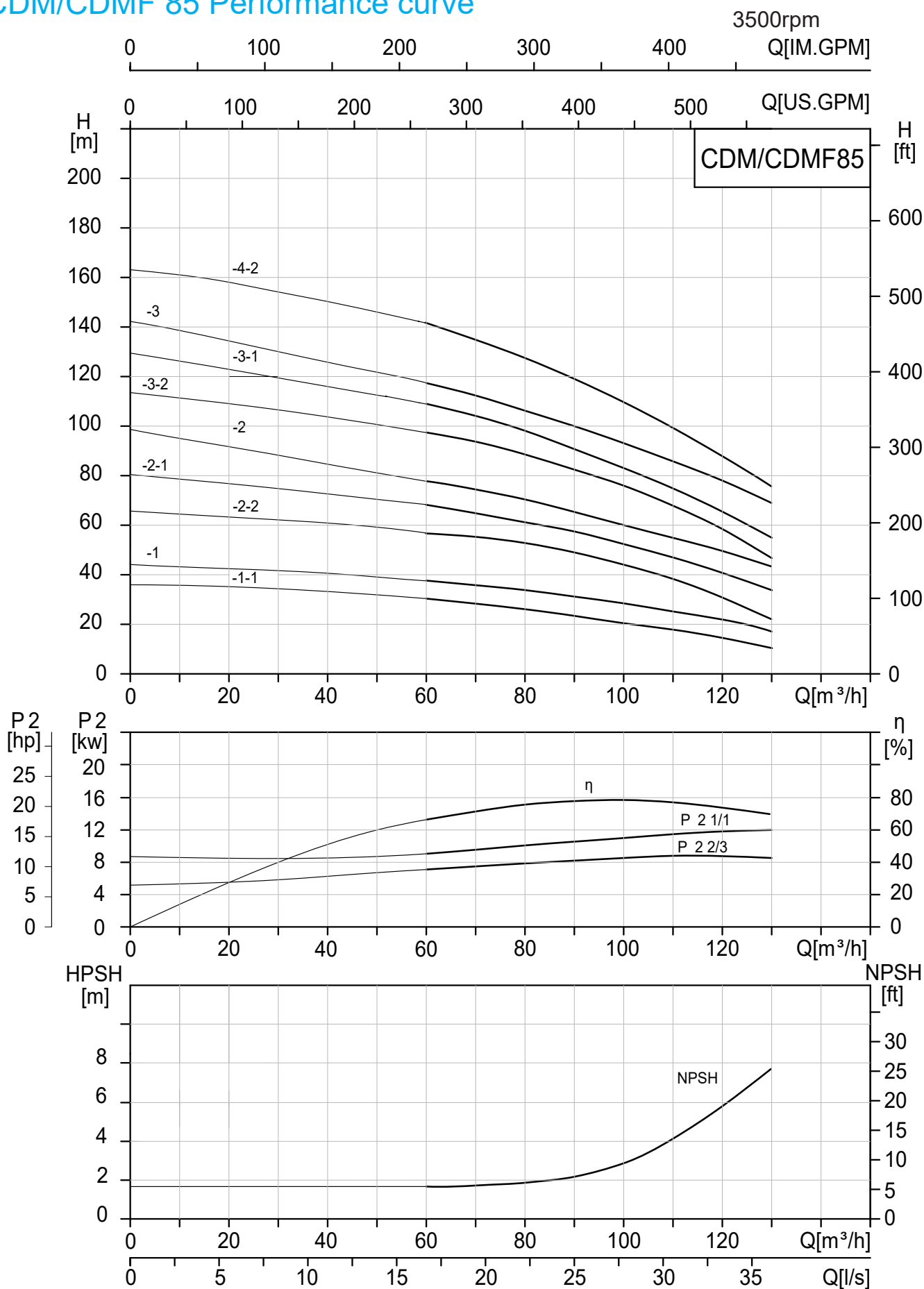


CDM/CDMF 65 Performance table

Model	Motor		Q (m³/h)	0	40	50	60	65	70	80	90	100
	(kW)	(hp)										
65-1-1	7.5	10	H (m)	30	26	25	23	22	21	18	14	10
65-1	11	15		43	37	35	33	32	31	28	24	21
65-2-2	15	20		54	53	50	47	44	42	37	31	23
65-2	22	30		82	74	72	67	64	62	57	51	52
65-3-2	22	30		97	93	88	80	76	72	65	56	45
65-3	30	40		122	112	108	100	96	93	86	77	65
65-4-2	37	50		137	130	124	115	110	103	94	83	66
65-4	45	60		159	152	144	135	130	123	114	102	86
65-5-2	45	60		171	172	162	151	144	137	126	112	91

CDM/CDMF 85 Performance curve

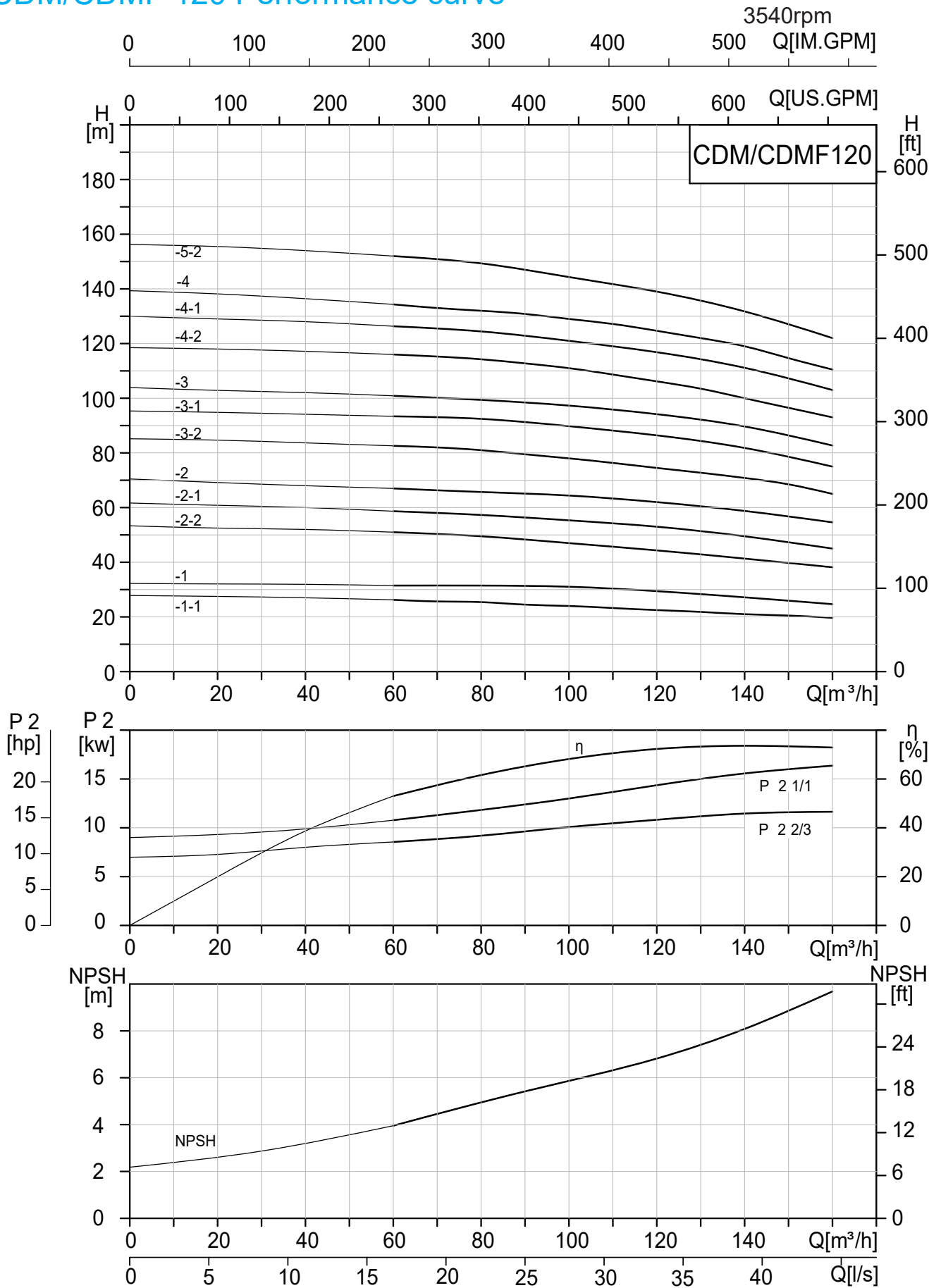
3500rpm



CDM/CDMF 85 Performance table

Model	Motor		Q (m³/h)	0	60	70	80	85	90	100	110	120	130
	(kW)	(hp)											
85-1-1	11	15	H (m)	36	31	27	25	24	23	21	18	14	9
85-1	15	20		44	36	35	33	31	30	29	26	23	18
85-2-2	18.5	25		66	59	57	54	51	48	44	39	32	22
85-2-1	22	30		80	67	65	62	59	57	51	47	41	33
85-2	30	40		99	76	73	69	66	64	60	56	52	44
85-3-2	37	50		114	98	94	88	85	82	75	69	59	46
85-3-1	37	50		129	108	104	98	94	90	83	78	69	56
85-3	45	60		142	116	111	105	102	97	93	88	79	69
85-4-2	45	60		163	141	135	128	124	118	109	102	89	72

CDM/CDMF 120 Performance curve

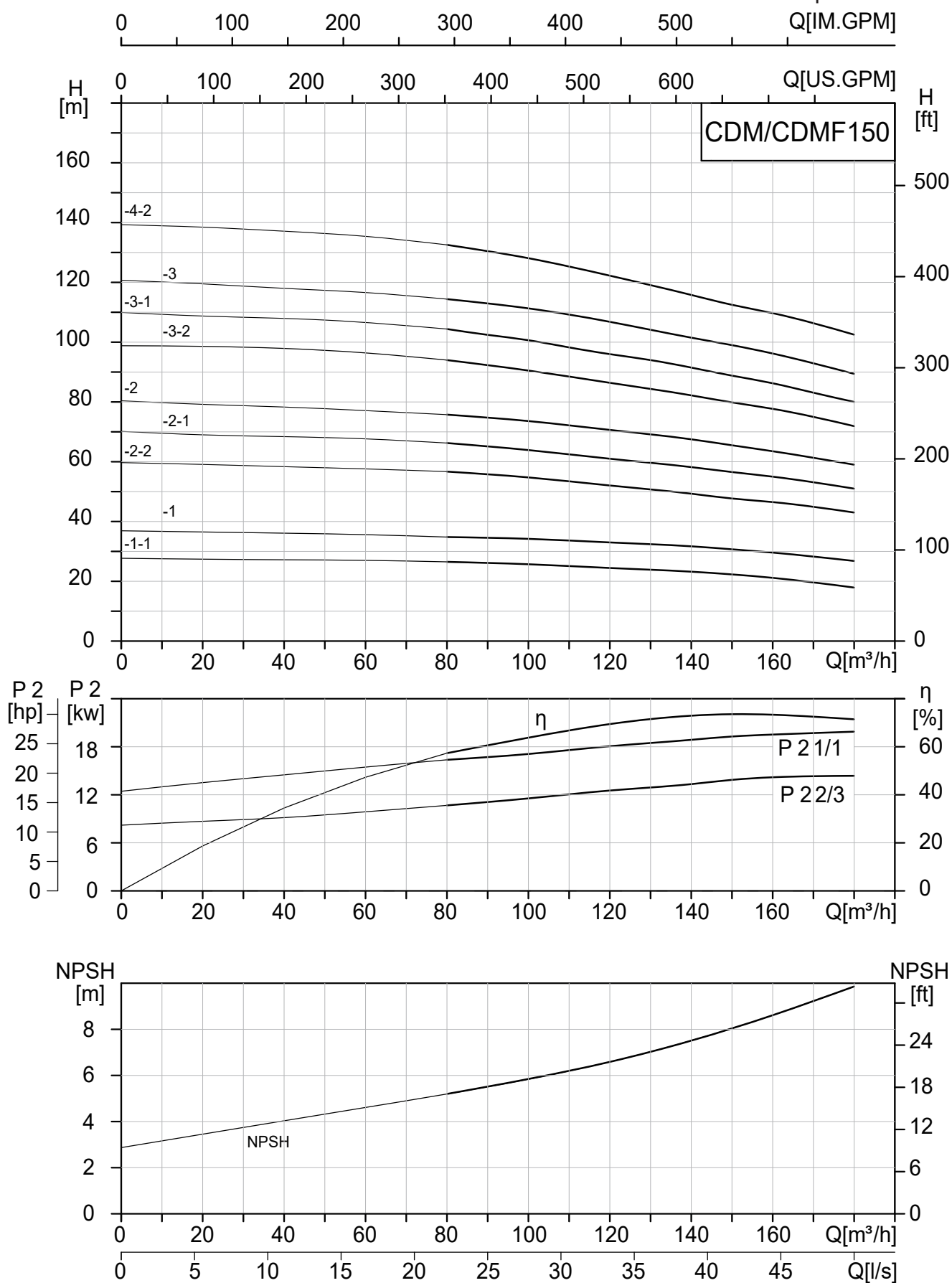


CDM/CDMF 120 Performance table

Model	Motor		Q (m³/h)	0	60	70	80	90	100	110	120	130	140	150	160
	(kW)	(hp)													
120-1-1	15	20	H (m)	28	26.5	26	25	24.5	23.8	23	22.5	21.5	21.3	21	20
120-1	18.5	25		32	30.8	30.7	30.7	30.5	30.3	29.5	28.8	27.6	26.4	25.4	24.4
120-2-2	30	40		53	51.5	50.5	49.5	47.5	46	45.5	44.8	43	41	39.7	38.5
120-2-1	30	40		61.7	58.3	58	57.3	56	54.7	54	53	51.5	50	47.4	45
120-2	37	50		70.5	66.3	66	65.7	65	64.4	63	62	60.7	59.6	57	54.6
120-3-2	45	60		85	83	82	81	79.5	78	76	74.5	73.5	71	68.5	65
120-3-1	45	60		95	91.3	91	90.4	89	87.7	86	84.4	82	80	76.7	73.3
120-3	55	75		104	100.3	100	99.4	98.3	97.3	95.5	94	92	90	86.3	82.7
120-4-2	75	100		118.5	116	115.5	114	113	111	109	105.5	104	100	97	93
120-4-1	75	100		130	126	125.4	124.6	122.6	120.6	118.5	116.5	114	111.3	107	103
120-4	75	100		139	134	133	132	131	129.5	127.5	125	122	119	114.5	109.5
120-5-2	75	100		156	152	151	149.7	147	144	141.5	139	135.5	132	127	122

CDM/CDMF 150 Performance curve

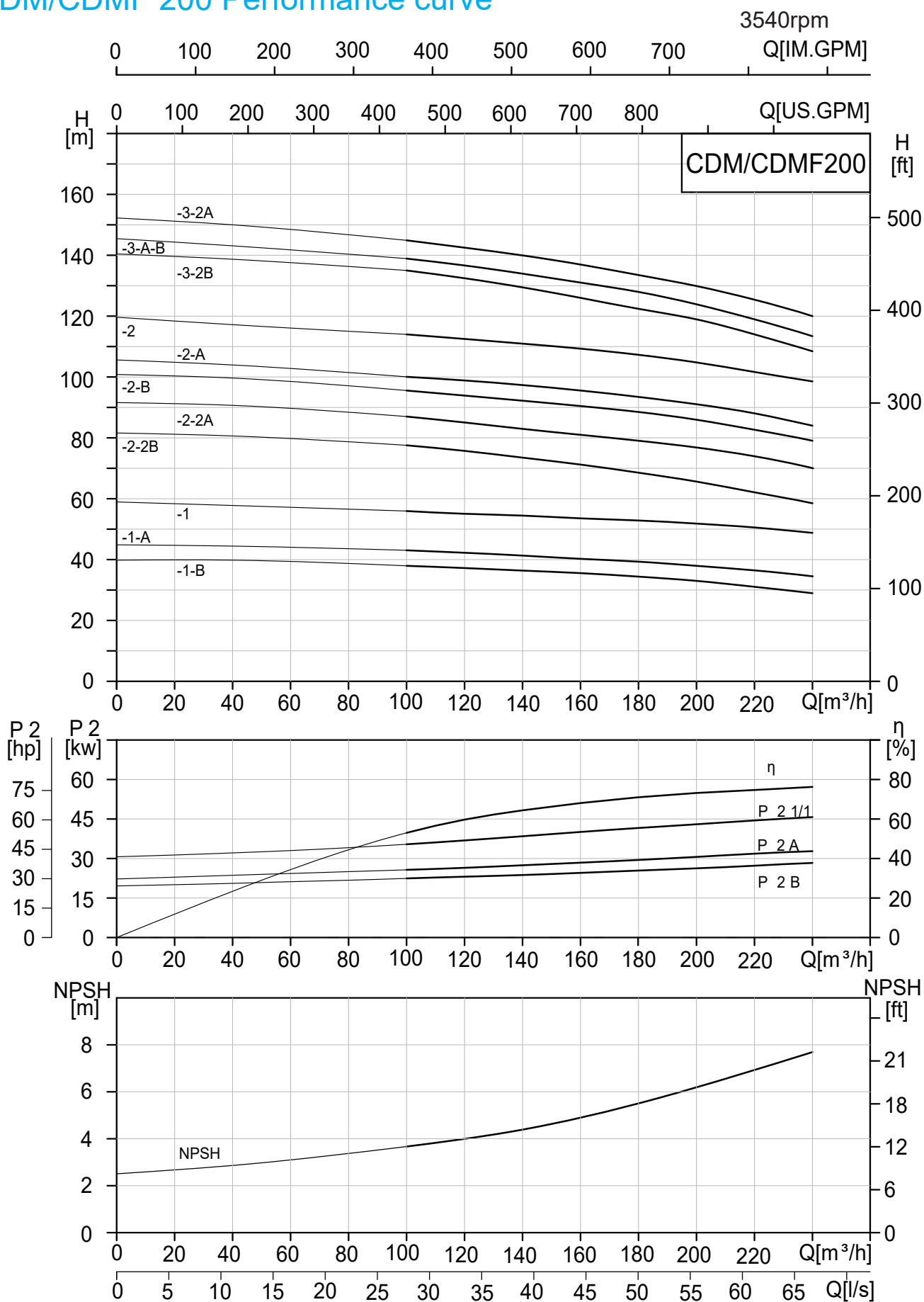
3540rpm



CDM/CDMF 150 Performance table

Model	Motor		Q (m³/h)	0	80	90	100	110	120	130	140	150	160	170	180
	(kW)	(hp)													
150-1-1	15	20	H (m)	28	26.5	26	25.7	25	24.3	23.8	23.2	22.3	21.2	19.5	18
150-1	22	30		37	35	34.5	34	33.6	33	32.3	31.7	30.7	29.6	28	27
150-2-2	30	40		60	57	55.5	53	52	51.3	50	49	48	47	45	43
150-2-1	37	50		70	67	65	63.5	62	61	60	58.5	56	55	53	51
150-2	45	60		80	75.5	74.5	73.6	72	70.4	69	67.5	65.5	63.5	61	59
150-3-2	55	75		99	94	92	90.5	88.4	86.4	83.8	81	80	78	75.3	72.5
150-3-1	75	100		110	104	102.5	100	98	96	94	92	89	87	84	80
150-3	75	100		121	114.4	113	111.3	109	106.5	104	101.5	99	96	93	89.4
150-4-2	75	100		139	133	130.3	127.6	124.6	121.7	118.3	115	112.5	110	106.3	102.5

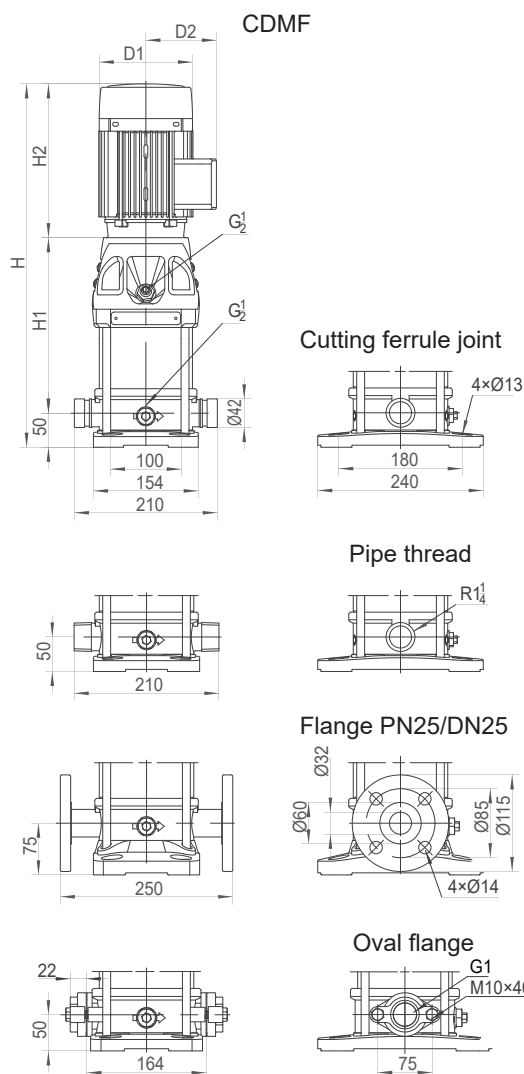
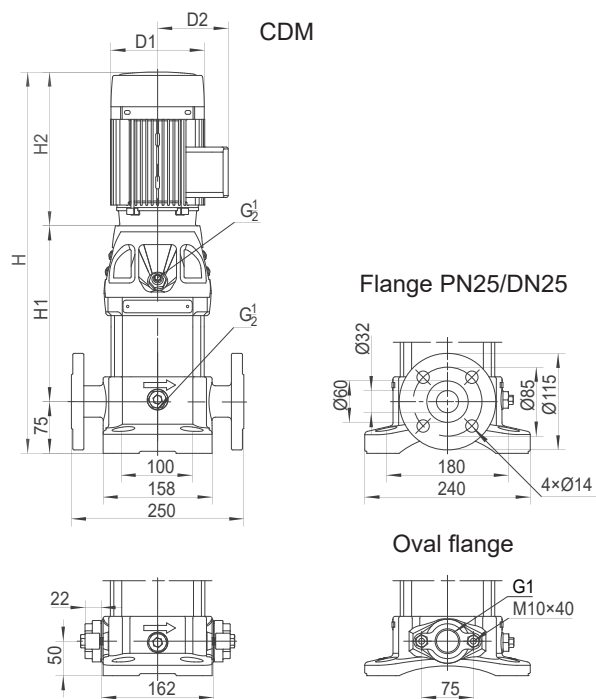
CDM/CDMF 200 Performance curve



CDM/CDMF 200 Performance table

Model	Motor		Q (m³/h)	0	100	120	140	160	180	200	220	240
	(kW)	(hp)										
200-1-B	30	40	H (m)	40	38	37	36.5	35.5	34	33	31	29
200-1-A	37	50		45	43	42	41.5	40	39	38	36.5	34.5
200-1	45	60		59	56	55	54.5	53.5	53	52	50.5	48.5
200-2-2B	55	75		81.6	77.5	75.5	73.5	71	68.5	66	62	58□5
200-2-2A	75	100		92	87	85	83	81	79	77	74	70
200-2-B	75	100		101	95.5	93.5	92.5	90.5	88.5	86	82.5	79
200-2-A	90	120		106	100	98.5	97.5	95.5	93.5	91	88	84
200-2	90	120		120	114	112.5	111	109.5	107.5	105	101.5	98.5
200-3-2B	110	150		140	135	132.5	129.5	126	122.5	119	114	108.5
200-3-A-B	110	150		145	139	136.5	134	131	128	124	119	113.5
200-3-2A	110	150		152	145	142.5	140	137	133.5	130	125.5	120

CDM/CDMF 1 Installation sketch

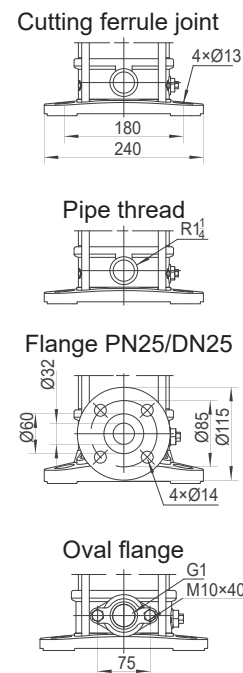
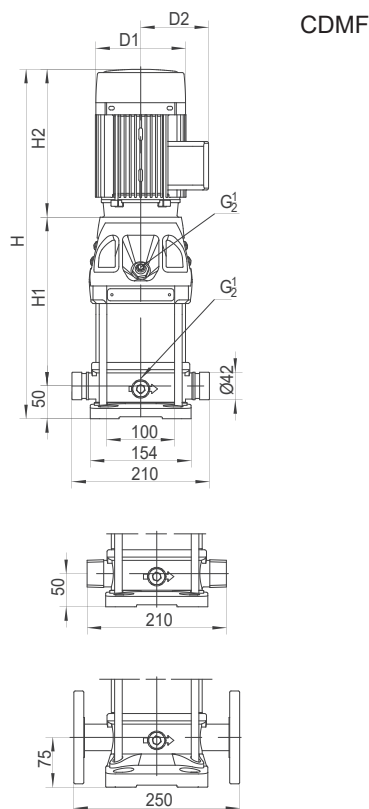
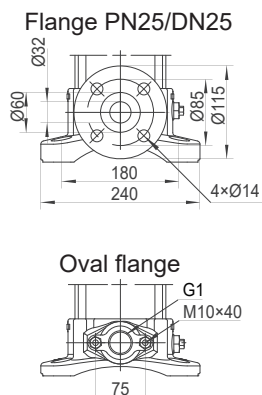
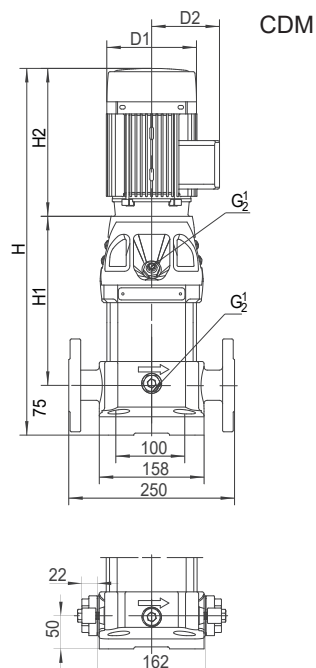


Note1: CDM/CDMF1-19~1-29 have no oval flange pipeline connection.
 Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

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	25	21
1-6	267	220	562/537	140	103	25	21
1-7	297	250	622/597	148	108	29	25
1-8	317	250	642/617	148	108	29	25
1-9	337	250	662/637	148	108	30	26
1-10	357	250	682/657	148	108	32	28
1-11	377	250	702/677	148	108	33	29
1-12	397	250	722/697	148	108	33	29
1-13	417	250	742/717	148	108	33	29
1-15	467	293	835/810	172	120	39	35
1-17	507	293	875/850	172	120	40	36
1-19	547	293	915/890	172	120	43	39
1-21	587	293	955/930	172	120	43	39
1-23	627	293	995/970	172	120	44	40
1-25	667	293	1035/1010	172	120	45	41
1-26	687	293	1055/1030	172	120	46	42
1-27	717	345	1137/1112	197	132	57	53
1-29	757	345	1177/1152	197	132	58	54

CDM/CDMF 3 Installation sketch

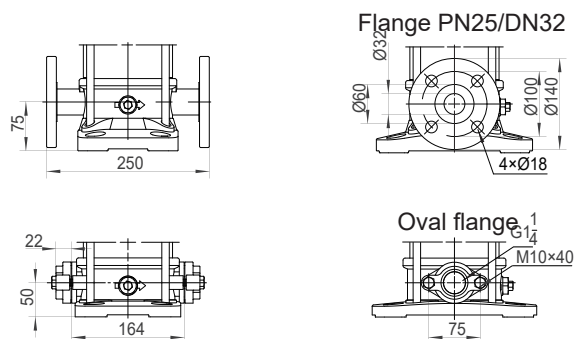
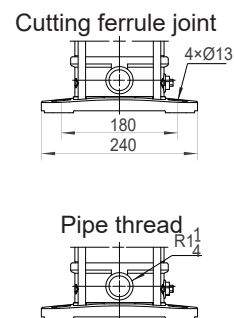
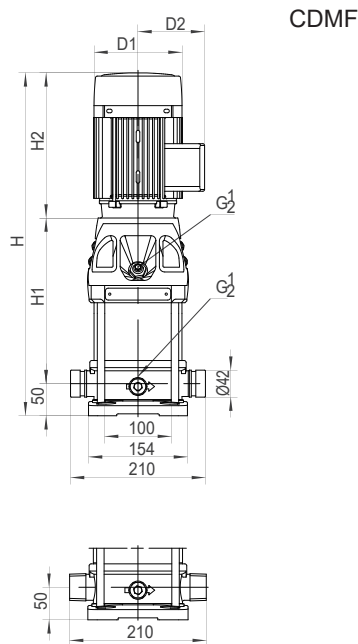
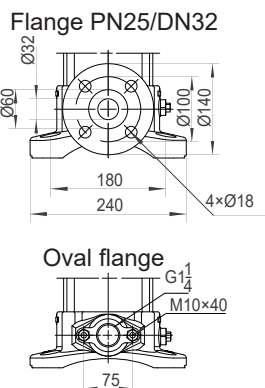
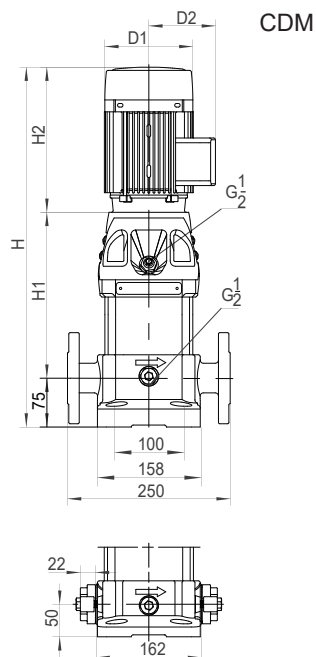


Note1: CDM/CDMF3-15~3-23 have no oval flange pipeline connection.
Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

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	25	21
3-4	237	250	562/537	148	108	28	24
3-5	257	250	582/557	148	108	31	27
3-6	277	250	602/577	148	108	31	27
3-7	297	250	622/597	148	108	32	28
3-8	327	293	695/670	172	120	37	33
3-9	347	293	715/690	172	120	37	33
3-10	367	293	735/710	172	120	40	36
3-11	387	293	755/730	172	120	40	36
3-12	407	293	775/750	172	120	41	37
3-13	427	293	795/770	172	120	41	37
3-14	447	293	815/790	172	120	42	38
3-15	477	345	897/872	197	132	52	48
3-16	497	345	917/892	197	132	53	49
3-18	537	345	957/932	197	132	54	50
3-19	557	345	977/952	197	132	54	50
3-20	577	348	1000/975	215	151	61	57
3-21	597	348	1020/995	215	151	61	57
3-22	617	348	1040/1015	215	151	62	58
3-23	637	348	1060/1035	215	151	62	58

CDM/CDMF 5 Installation sketch

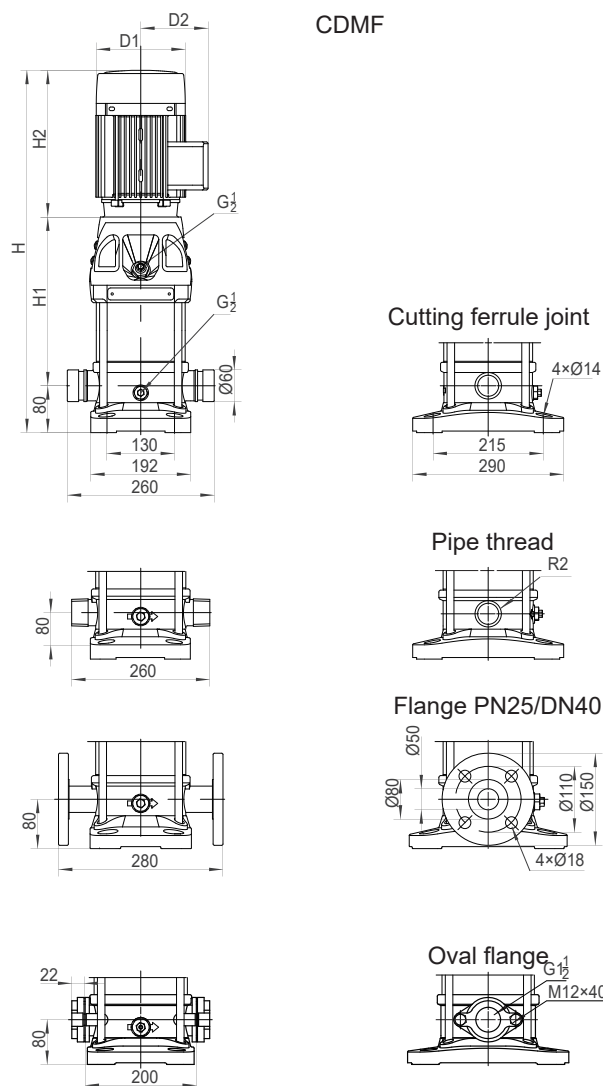
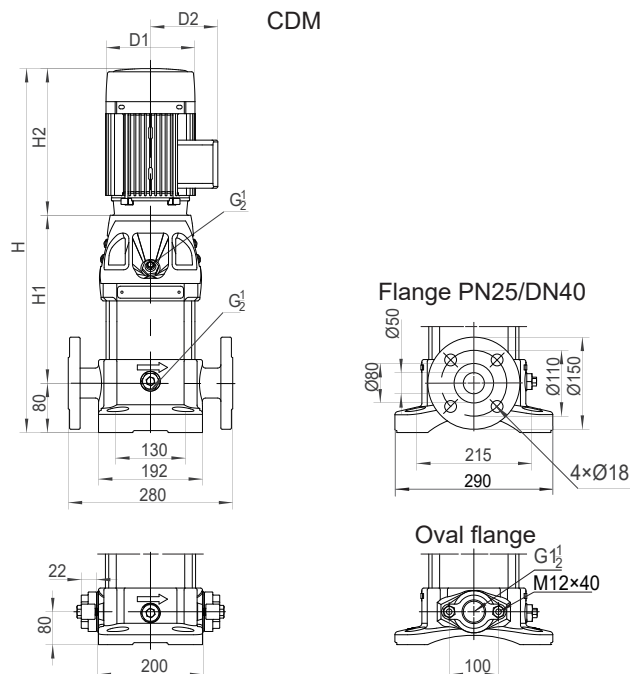


Note1: CDM/CDMF5-15~5-23 have no oval flange pipeline connection.
 Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

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	25	20
5-3	238	250	563/538	148	108	28	23
5-4	265	250	590/565	148	108	31	26
5-5	302	293	670/645	172	120	37	32
5-6	329	293	697/672	172	120	37	32
5-7	356	293	724/699	172	120	40	35
5-8	383	293	751/726	172	120	40	35
5-9	410	293	778/753	172	120	41	36
5-10	447	345	867/842	197	132	51	46
5-11	474	345	894/869	197	132	52	47
5-12	501	345	921/896	197	132	52	47
5-13	528	348	951/926	215	151	59	54
5-14	555	348	978/953	215	151	60	55
5-15	582	348	1005/980	215	151	60	55
5-16	609	348	1032/1007	215	151	61	56
5-17	711	390	1176/1151	260	168	81	76
5-18	738	390	1203/1178	260	168	81	76
5-20	792	390	1257/1232	260	168	82	77
5-21	819	390	1284/1259	260	168	83	78
5-22	846	390	1311/1286	260	168	83	78
5-23	873	390	1338/1313	260	168	84	79

CDM/CDMF 10 Installation sketch

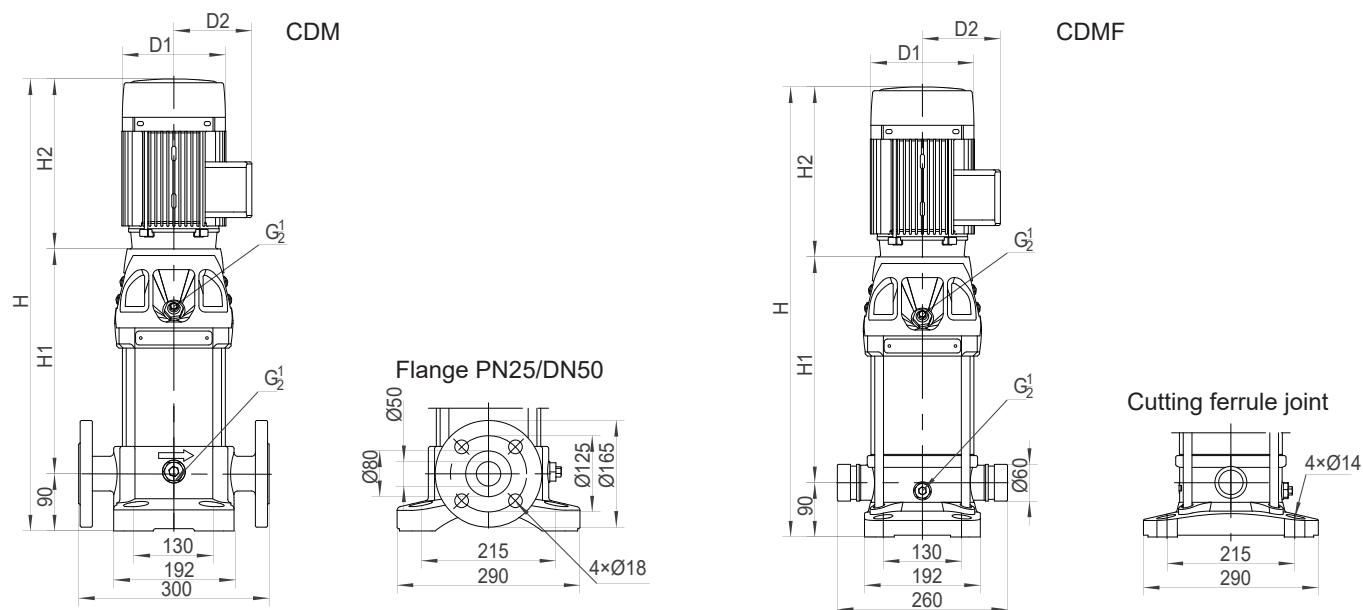


Note1: CDM/CDMF10-10~10-15 have no oval flange pipeline connection.
 Note2: The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

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	277	293	650	172	120	39	37
10-3	307	293	680	172	120	42	40
10-4	347	345	772	197	132	53	51
10-5	377	348	805	215	151	62	60
10-6	407	348	835	215	151	63	61
10-7	515	390	985	260	168	84	82
10-8	545	390	1015	260	168	85	83
10-9	575	390	1045	260	168	89	87
10-10	605	390	1075	260	168	90	88
10-11	635	390	1105	260	168	91	89
10-12	665	390	1135	260	168	92	90
10-13	725	500	1305	330	205	162	160
10-14	755	500	1335	330	205	163	161
10-15	785	500	1365	330	205	164	162

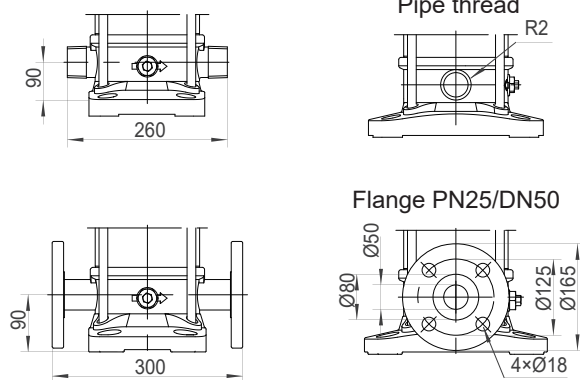
CDM/CDMF 15 Installation sketch



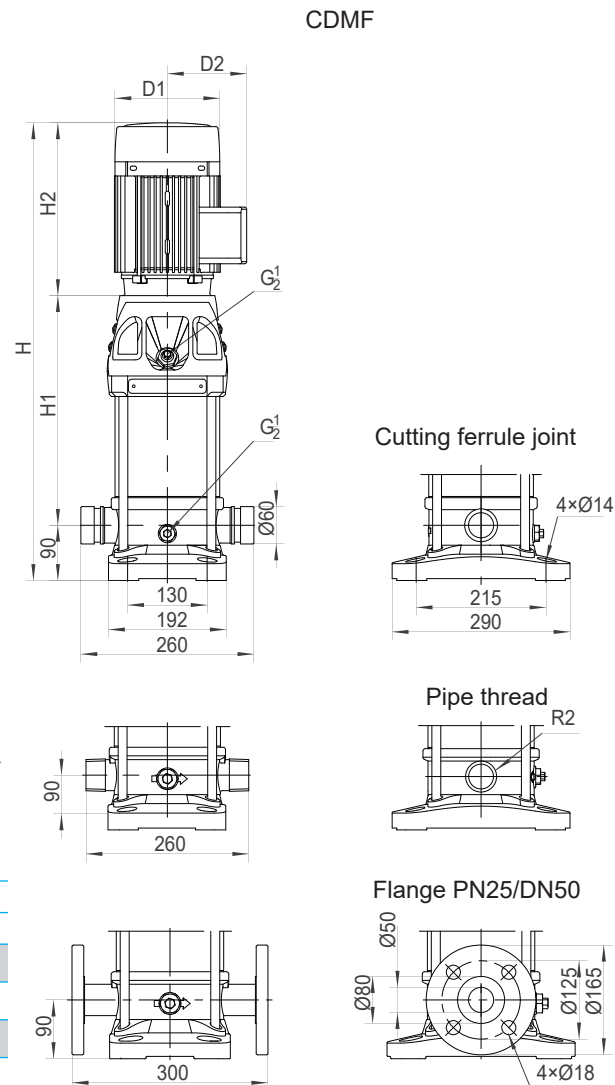
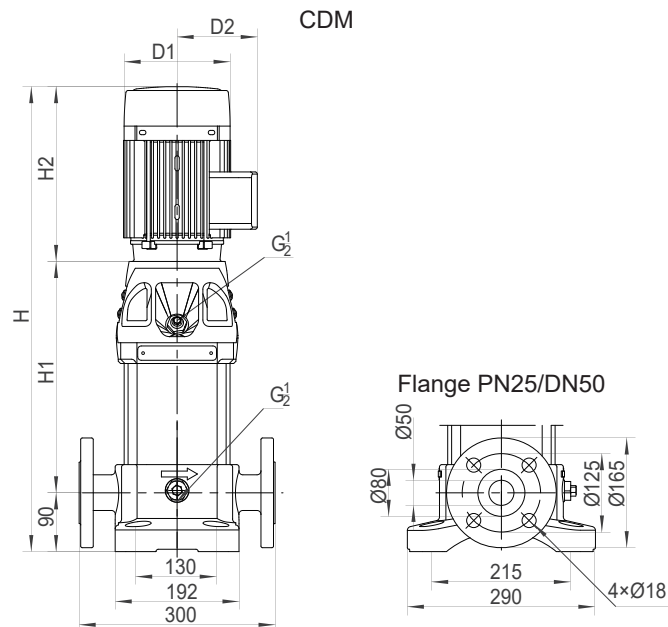
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
15-1	307	293	690	172	120	47	40
15-2	317	345	752	197	132	60	53
15-3	362	348	800	215	151	68	61
15-4	485	390	965	260	168	90	83
15-5	530	390	1010	260	168	94	87
15-6	605	500	1195	330	205	175	168
15-7	650	500	1240	330	205	177	170
15-8	695	500	1285	330	205	178	171
15-9	740	500	1330	330	205	180	173
15-10	785	500	1375	330	205	181	174
15-11	830	500	1420	330	205	182	175
15-12	875	545	1510	330	205	192	185



CDM/CDMF 20 Installation sketch

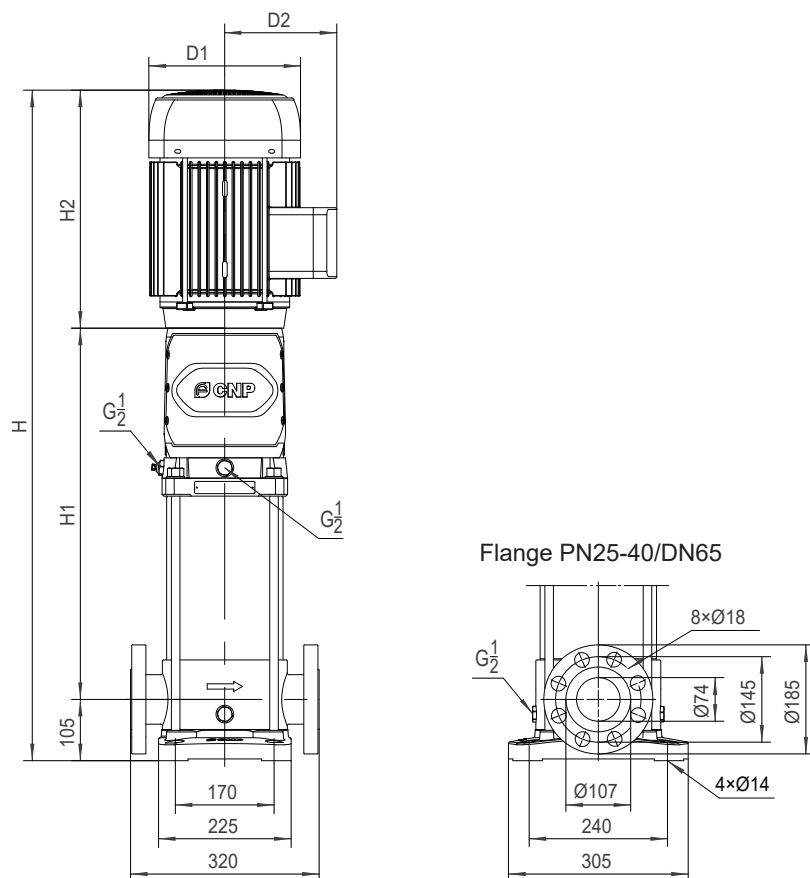


The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
20-1	307	293	690	172	120	47	40
20-2	317	348	755	215	151	65	58
20-3	440	390	920	260	168	87	80
20-4	485	390	965	260	168	91	84
20-5	560	500	1150	330	205	158	151
20-6	605	500	1195	330	205	160	153
20-7	650	500	1240	330	205	176	169
20-8	695	500	1285	330	205	177	170
20-9	740	545	1375	330	205	187	180
20-10	785	545	1420	330	205	188	181

CDM/CDMF 32 Installation sketch



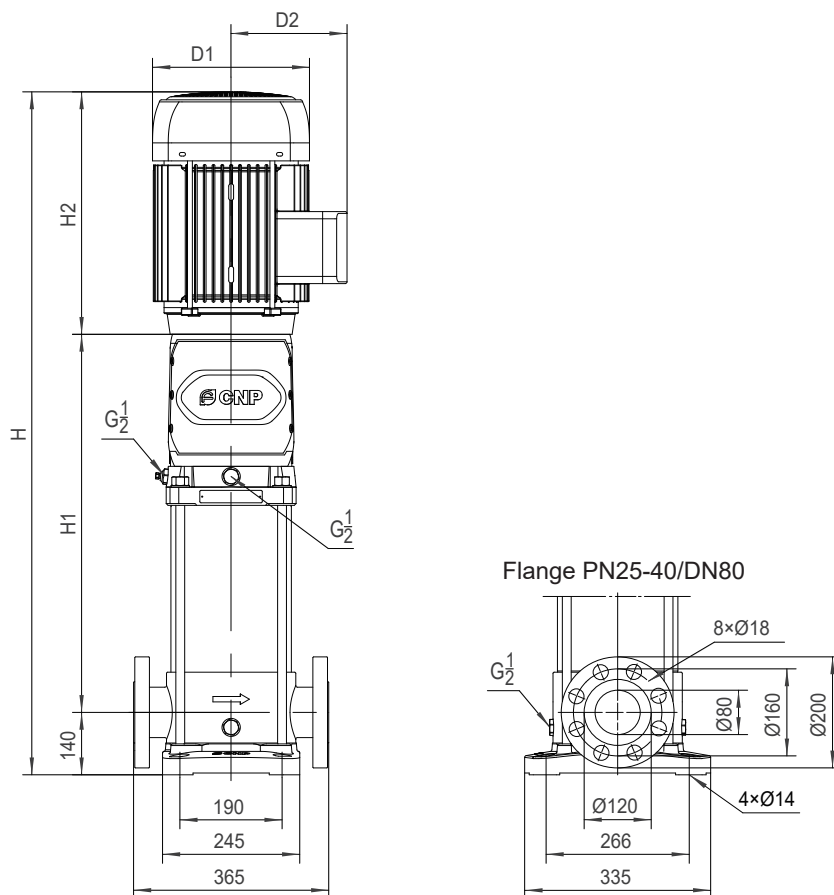
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
32-1-1	329	345	779	197	132	78	66
32-1	329	348	782	215	151	84	72
32-2-2	490	390	985	260	168	99	95
32-2	490	390	985	260	168	107	103
32-3-2	560	390	1055	260	168	110	106
32-3	590	500	1195	330	205	178	174
32-4-2	660	500	1265	330	205	181	177
32-4	660	500	1265	330	205	196	192
32-5-2	730	500	1335	330	205	199	194
32-5	730	545	1380	330	205	207	202

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
32-6-2	800	545	1450	330	205	209	205
32-6	800	545	1450	330	205	209	205
32-7-2	870	576	1551	375	230	265	261
32-7	870	576	1551	375	230	265	261
32-8-2	940	576	1621	375	230	268	264
32-8	940	650	1695	418	256	329	325
32-9-2	1010	650	1765	418	256	332	328
32-9	1010	650	1765	418	256	332	328
32-10-2	1080	650	1835	418	256	335	331

CDM/CDMF 42 Installation sketch



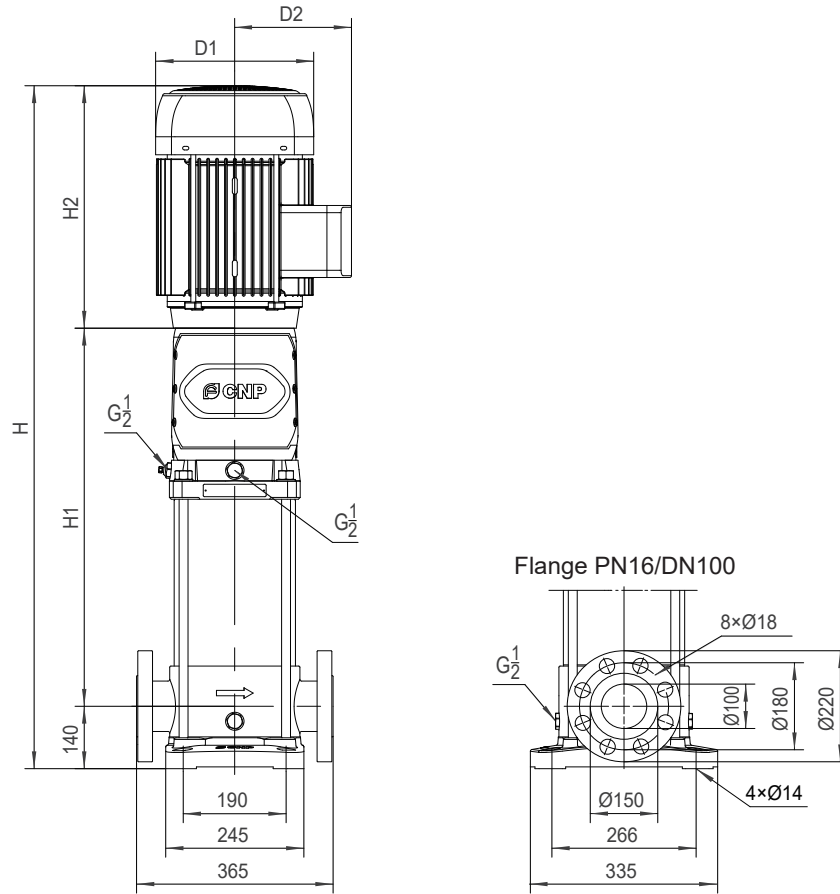
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
42-1-1	441	390	971	260	168	109	99
42-1	441	390	971	260	168	118	108
42-2-2	553	500	1193	330	205	189	179
42-2	553	500	1193	330	205	204	194
42-3-2	633	545	1318	330	205	215	205
42-3	633	545	1318	330	205	215	205
42-4-2	713	576	1429	375	230	272	262

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
42-4	713	650	1503	418	256	333	323
42-5-2	793	650	1583	418	256	337	326
42-5	793	650	1583	418	256	337	326
42-6-2	873	650	1663	418	256	360	350
42-6	873	650	1663	418	256	360	350
42-7-2	953	700	1793	465	280	463	453
42-7	953	700	1793	465	280	463	453

CDM/CDMF 65 Installation sketch



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

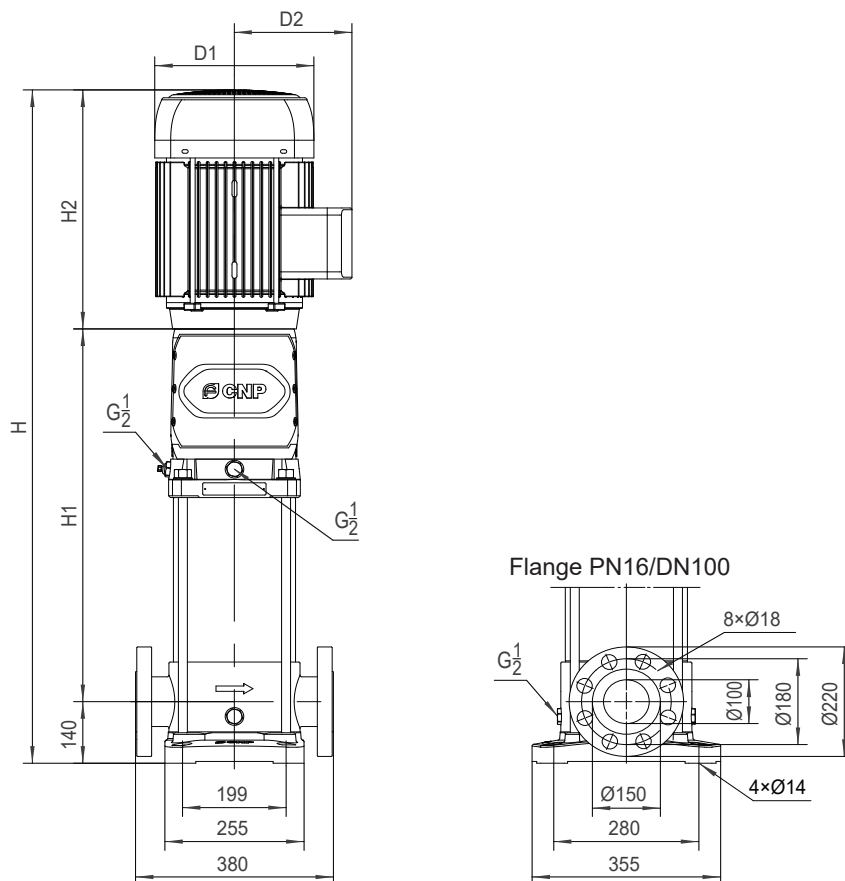
For CDM/CDMF 65 series, PN25-40/DN100 standard flange is also available if required

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
65-1-1	441	390	971	260	168	129	98
65-1	476	500	1116	330	205	197	166
65-2-2	559	500	1199	330	205	216	185
65-2	559	576	1275	375	230	277	246
65-3-2	641	576	1357	375	230	280	249

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
65-3	641	650	1431	418	256	341	310
65-4-2	724	650	1514	418	256	365	334
65-4	724	700	1564	465	280	465	434
65-5-2	806	700	1646	465	280	469	438

CDM/CDMF 85 Installation sketch



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

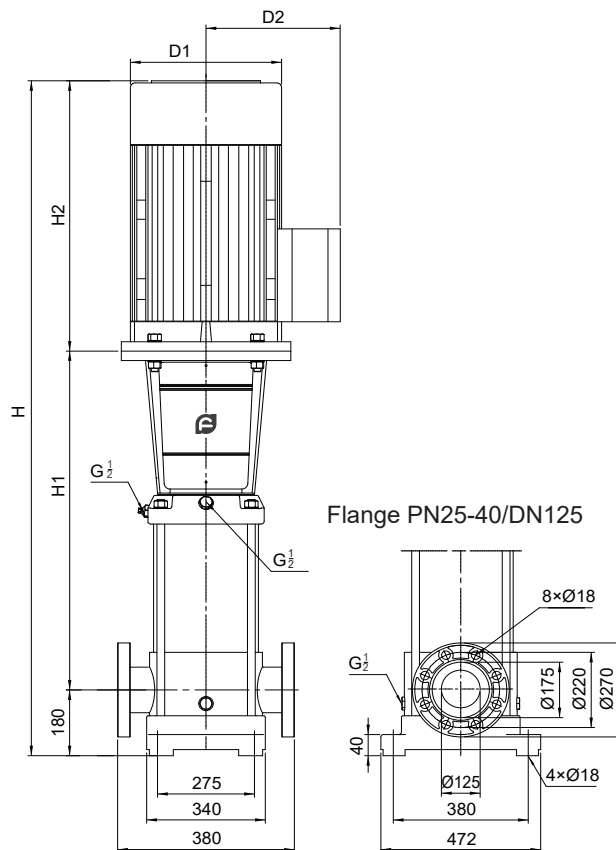
For CDM/CDMF 85 series, PN25-40/DN100 standard flange is also available if required

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
85-1-1	376	500	1016	330	205	186	177
85-1	376	500	1016	330	205	201	192
85-2-2	578	545	1263	330	205	213	204
85-2-1	578	576	1294	375	230	266	257
85-2	578	650	1368	418	256	327	318

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
85-3-2	670	650	1460	418	256	351	342
85-3-1	670	650	1460	418	256	351	342
85-3	670	700	1510	465	280	451	442
85-4-2	762	700	1602	465	280	455	446

CDM/CDMF 120 Installation sketch



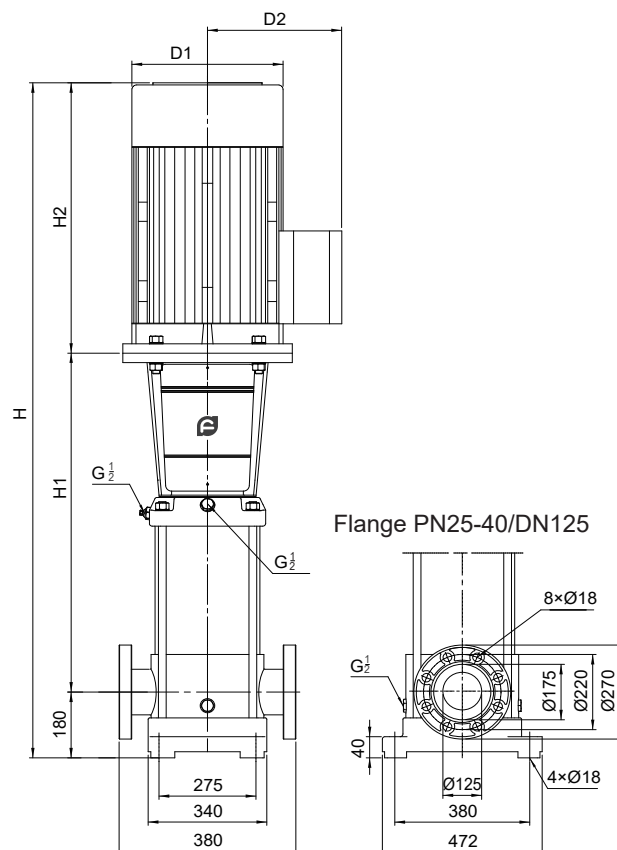
The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
120-1-1	660	500	1340	330	205	235	222
120-1	660	545	1385	330	205	250	237
120-2-2	820	650	1650	418	256	350	337
120-2-1	820	650	1650	418	256	350	337
120-2	820	650	1650	418	256	380	367
120-3-2	980	700	1860	465	280	445	432

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
120-3-1	980	700	1860	465	280	445	432
120-3	1010	770	1960	506	305	545	532
120-4-2	1170	835	2185	560	335	675	662
120-4-1	1170	835	2185	560	335	675	662
120-4	1170	835	2185	560	335	675	662
120-5-2	1330	835	2345	560	335	690	677

CDM/CDMF 150 Installation sketch

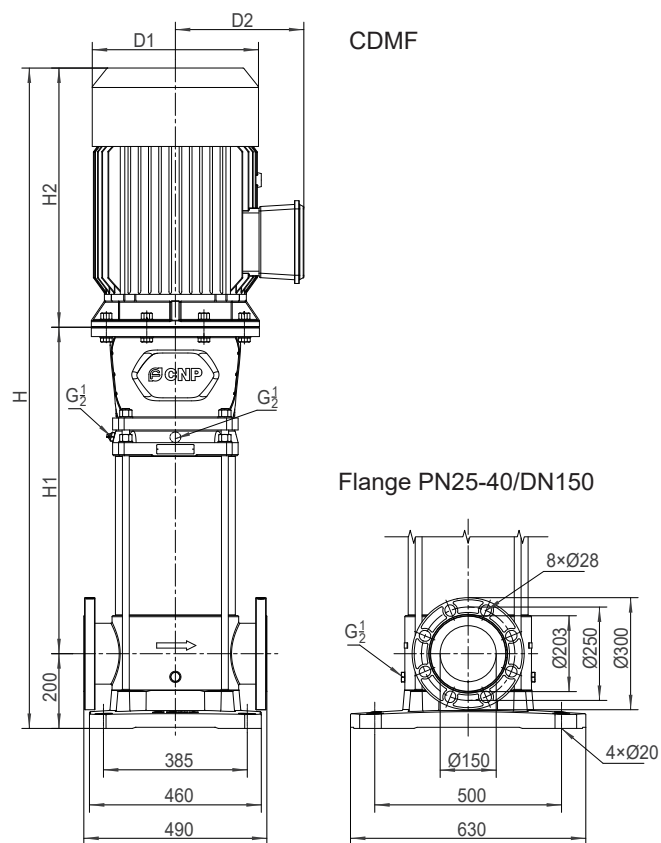
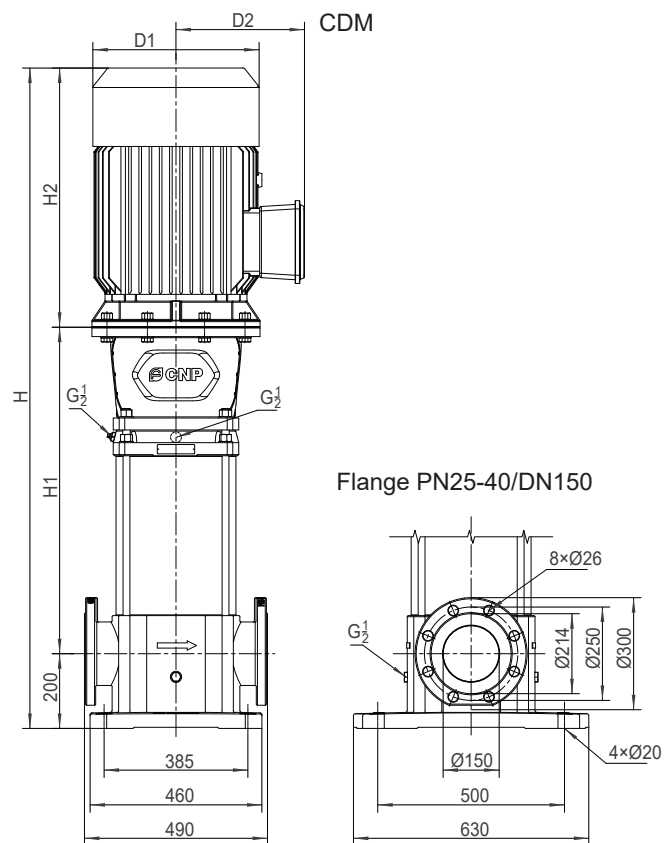


The overall dimensions of the single-phase motor and explosive-proof motor are a little different. Please contact us for details.

Dimensions and weights

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
150-1-1	660	500	1340	330	205	235	222
150-1	660	576	1416	375	230	280	267
150-2-2	820	650	1650	418	256	360	347
150-2-1	820	650	1650	418	256	380	367
150-2	820	700	1700	465	280	435	422

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
150-3-2	1010	770	1960	506	305	545	532
150-3-1	1010	835	2025	560	335	665	652
150-3	1010	835	2025	560	335	665	652
150-4-2	1170	835	2185	560	335	680	667



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	650	1530	418	256	348	323
200-1-A	680	650	1530	418	256	395	370
200-1	680	700	1580	465	280	446	421
200-2-2B	976	770	1946	506	305	498	473
200-2-2A	976	835	2011	560	335	591	566
200-2-B	976	835	2011	560	335	710	685

Model	Dimension (mm)					Weight(kg)	
	H1	H2	H	D1	D2	CDM	CDMF
200-2-A	976	885	2061	560	335	710	685
200-2	976	885	2061	560	335	710	685
200-3-2B	1170	1040	2410	655	400	855	830
200-3-A-B	1170	1040	2410	655	400	855	830
200-3-2A	1170	1040	2410	655	400	855	830

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