

# PADOVA<sup>®</sup>

WATER PUMPS

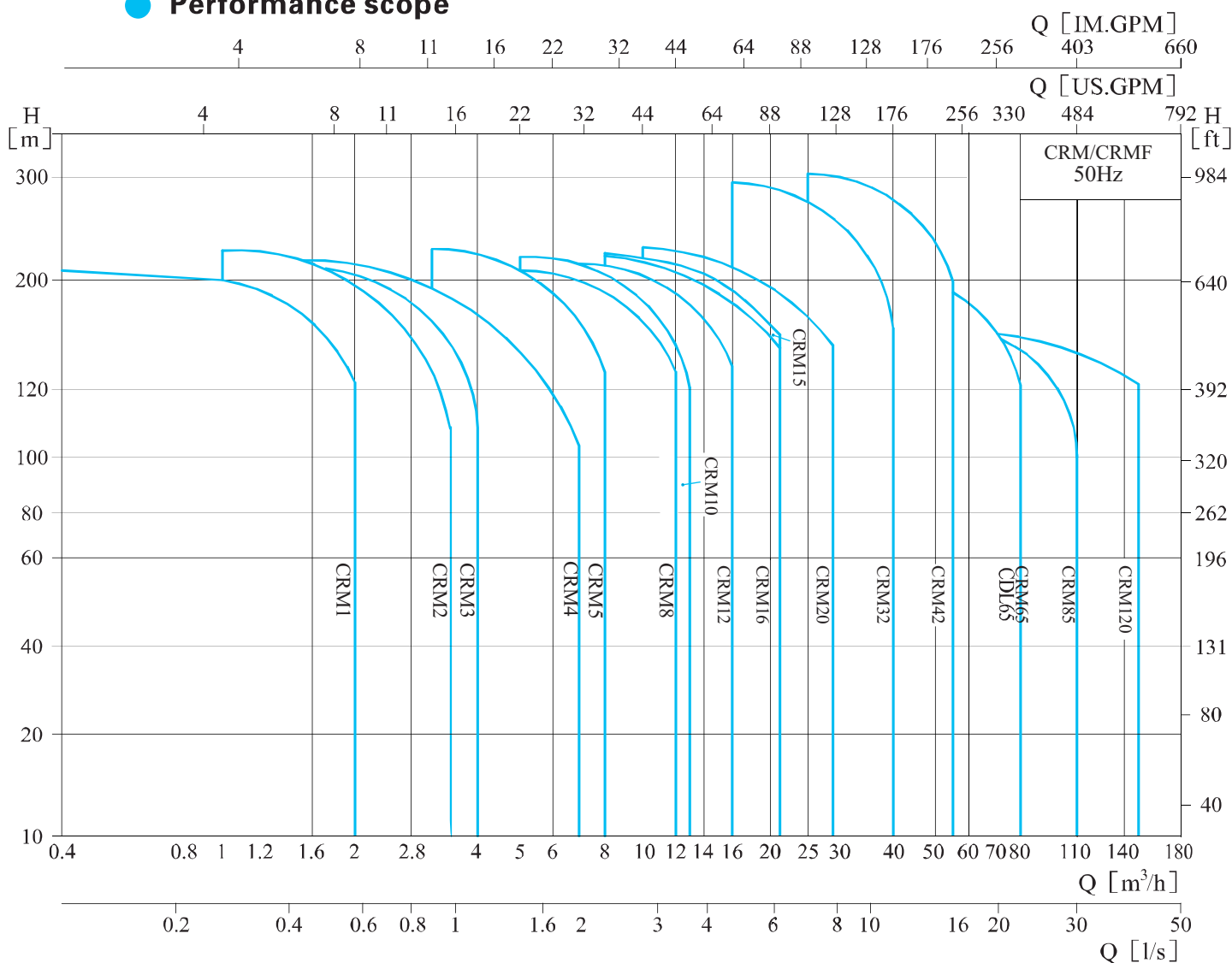
## CRM

### 50Hz

Light Vertical Multistage Centrifugal Pump



## ● Performance scope



## ● Product range

Description	CRM1	CRM2	CRM3	CRM4	CRM5	CRM8	CRM10	CRM12	CRM15	CRM16	CRM20	CRM32	CRM42	CRM65	CRM85	CRM120
Rate flow[m³/h]	1	2	3	4	5	8	10	12	15	16	20	32	42	65	85	120
Rate flow[l/s]	0.28	0.56	0.83	1.1	1.39	2.2	2.78	3.3	4.17	4.4	5.6	8.9	11.7	18	24	33
Flow range[m³/h]	0.4-2	1-3.5	1.2-4	1.5-7	3-8	5-12	5-13	7-16	8-22	8-22	10-28	16-40	25-55	30-80	50-110	60-150
Flow range[l/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-1.9	0.83-2.22	1.4-3.3	1.4-3.61	1.9-4.4	2.2-6.1	2.2-6.1	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	16.7-41.7
MAX.pressure[bar]	21	23	22	21	23	21	22	22	22	22	23	29	30	22	17	16
Motor power[kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.37-5.5	0.75-7.5	0.75-7.5	1.5-11	1.1-15	2.2-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	11-75
Temp[°C]	-15~+120															
MAX. efficiency[%]	44	46	54	57	64	62	68	63	70	66	69	73	75	76	77	74
Type																
CRM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CRMF	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CRM Pipelines																
DIN Flange	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50	DN50	DN65	DN80	DN100	DN125
Oval Flange	G1	G1	G1	G1¼	G1¼	G1½	G1½									
CRMF Pipelines																
DIN Flange	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50	DN50	DN65	DN80	DN100	DN125
Cutting ferrule joint	DN32	DN32	DN32	DN32	DN32	DN50	DN50	DN50	DN50	DN50	DN50					
Pipe thread	ZG1¼	ZG1¼	ZG1¼	ZG1¼	ZG1¼	ZG2	ZG2	ZG2	ZG2	ZG2	ZG2					
Oval Flange	G1	G1	G1	G1¼	G1¼	G1½	G1½									

# General Data

## ● Pump

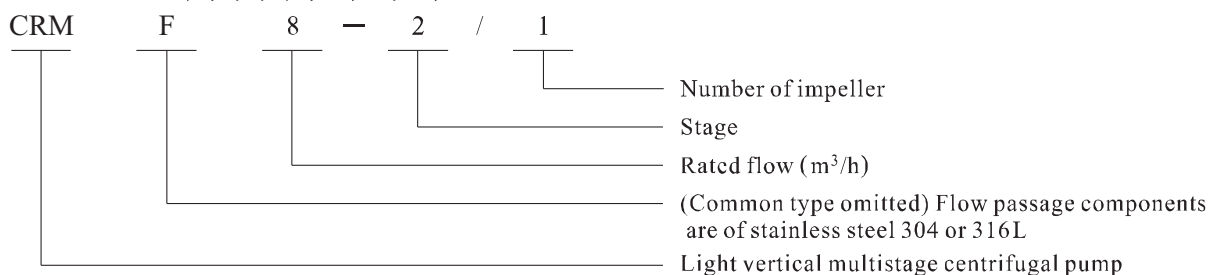
CRM / CRMF is a kind of vertical non-self priming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft directly connects with the pump shaft through a coupling. The pressure-resistant cylinder and flow passage components are fixed between pump head and inlet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

## ● Motor

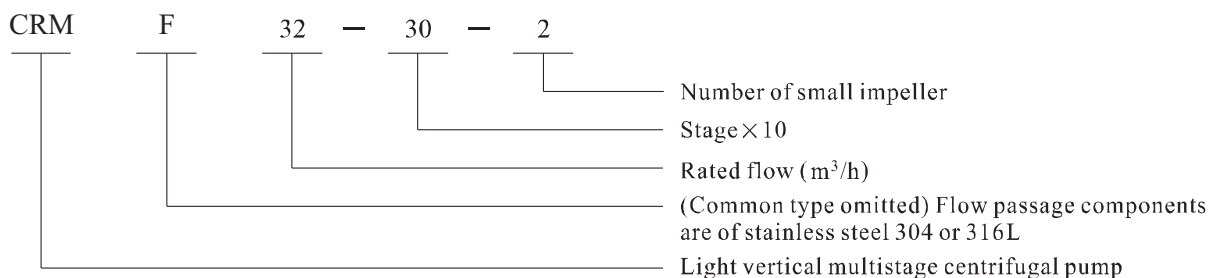
- Full-enclosed air-blast two-pole standard motor
- Protection class: IP55
- Insulation class: F
- Standard voltage: 50Hz: 1 × 220-230 / 240V  
3 × 200-220 / 346-380V  
3 × 220-240 / 380-415V  
3 × 380-415V

## ● Definition of Model

CRM/CRMF1,2,3,4,5,8,10,12,15,16 and 20



CRM/CRMF32 & 42



## ● Application

CRM / CRMF is a kind of multifunctional products. It can be used to convey various medium from tap water to industrial liquid at different temperature and with different flow rate and pressure. CRM type is applicable to conveying non-corrosive liquid, while CRMF is suitable for slightly corrosive liquid.

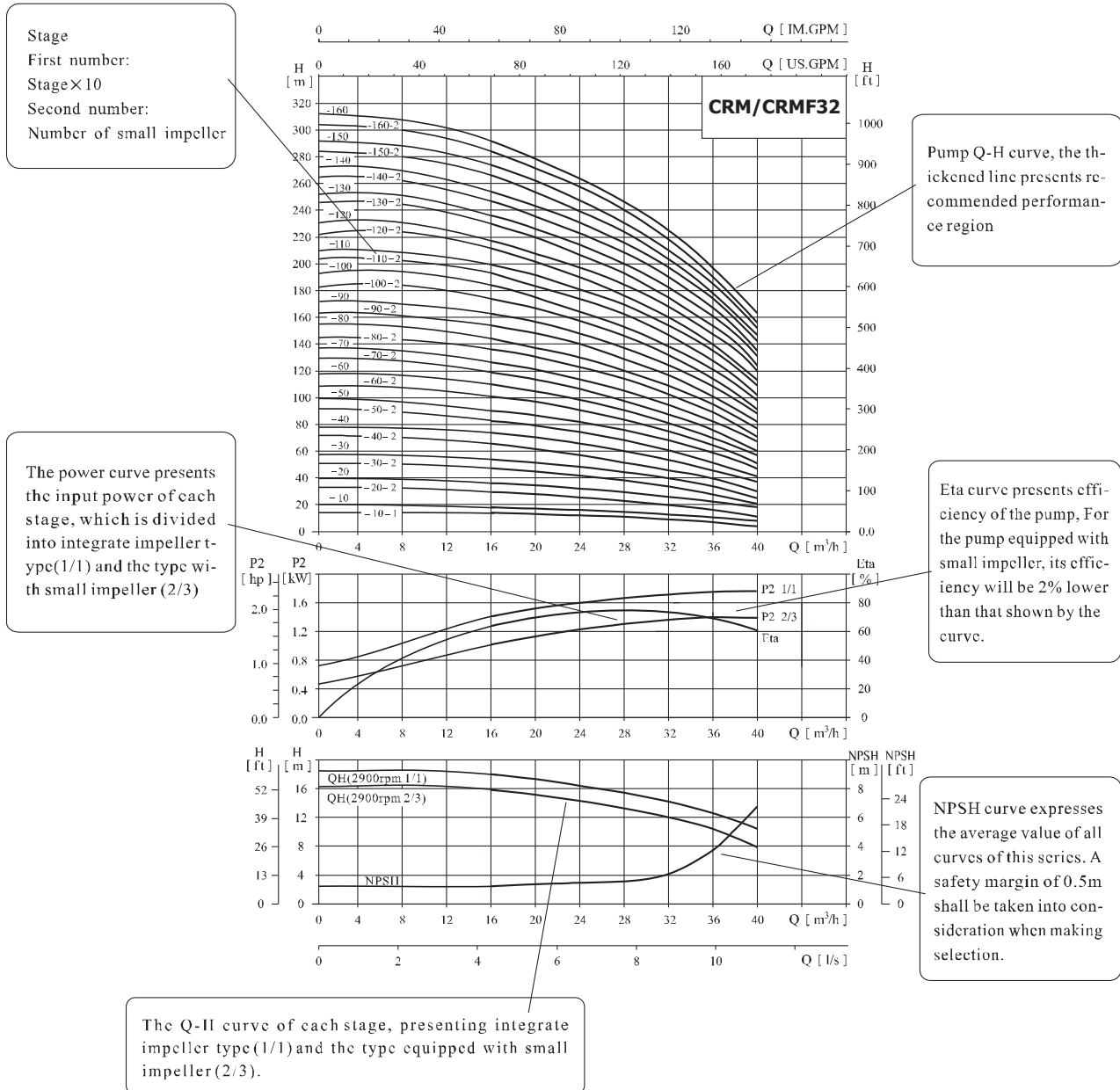
- Water supply: Water filter and transport in Waterworks, boosting of main pipeline, boosting in high-rise buildings.
- Industrial boosting: Process flow water system, cleaning system, high-pressure washing system, fire fighting system.
- Industrial liquid conveying: Cooling and air-conditioning system, boiler water supply and condensing system, machine-associated purpose, acids and alkali.
- Water treatment: Ultrafiltration system, reverse osmosis system, distillation system, separator, swimming pool.
- Irrigation: Farmland irrigation, spray irrigation, drip-irrigation.

## ● Operation conditions

- Thin, clean, non-flammable and non-explosive liquid containing no solid granules and fibers.
- Liquid temperature:  
Normal temperature type: -15°C ~ +70°C,  
Hot water type: -15°C ~ +120°C
- Ambient temperature: up to +40°C
- Altitude: up to 1000m

# General Data

## Curve illustration



## Performance curve

Following conditions are suitable for the performance curves shown bellow:

- 1、 All curves are based on the measured values of 50Hz: constant motor speed 2900rpm or 2950rpm.
- 2、 Curve tolerance in conformity with ISO9906 Annex A.
- 3、 Measurement is done with 20°C air-free water, kinematic viscosity of 1mm<sup>2</sup>/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.

# General Data

## ● Minimum inlet pressure NPSH

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:

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

$P_b$  = atmosphere pressure [bar]

(can be set as 1bar)

In a closed system,  $P_b$  means system pressure [bar]

NPSH = Net positive suction head [m]

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

$H_f$  = Pipeline loss at the inlet [m]

$H_v$  = Steam pressure [m]

$H_s$  = Safety margin = Minimum 0.5m delivery head

If the calculated result  $H$  is positive, the pump may run under the max. Suction stroke  $H$ .

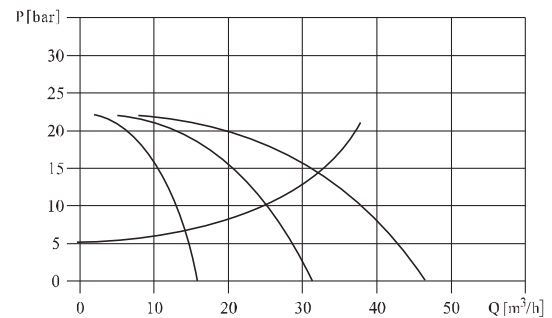
In case the calculated result  $H$  is negative, a delivery head of min. Inlet pressure is necessary.

## ● Operation in parallel

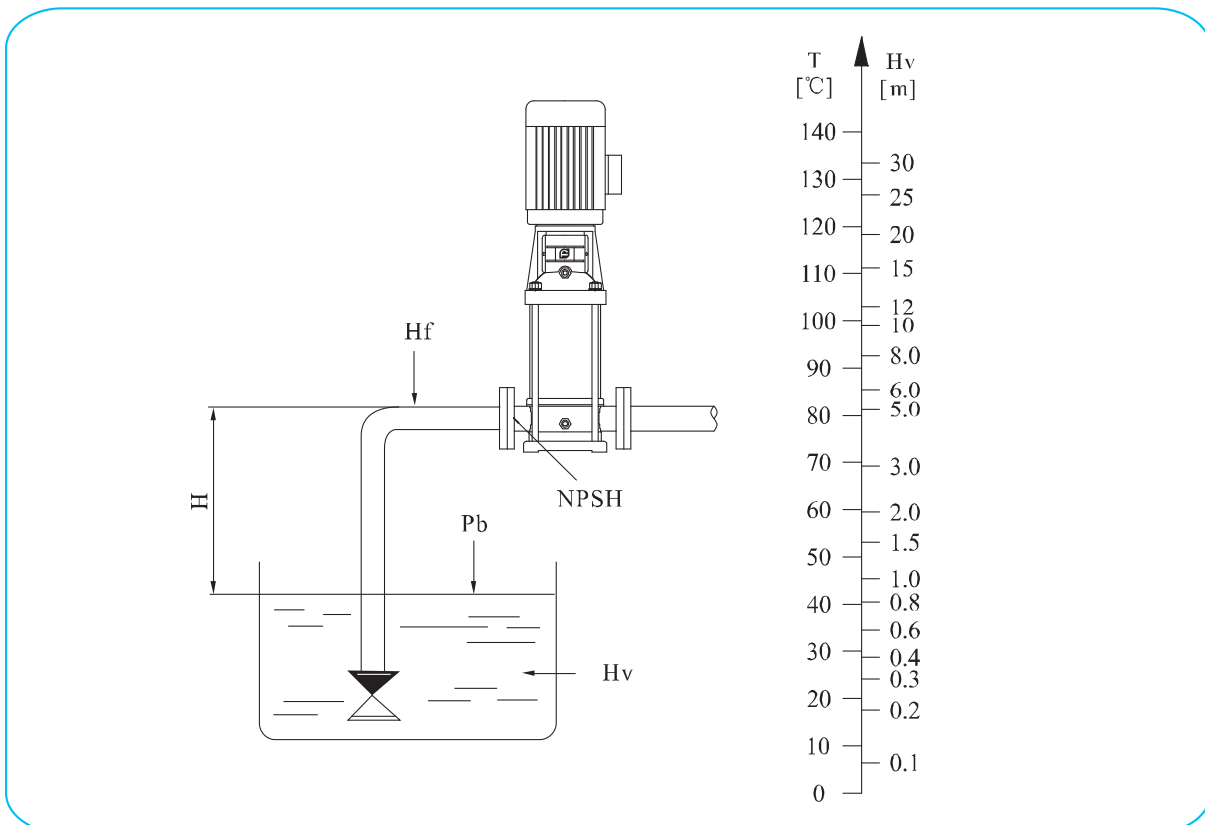
Connecting several pumps in parallel running will benefit much more than running a single large pump.

● Applicable to different working states necessary in a variable flow system.

● Increasing the possibility of water supply when the pump is in failure. Because in case of pump failure, only part of the system flow is effected.

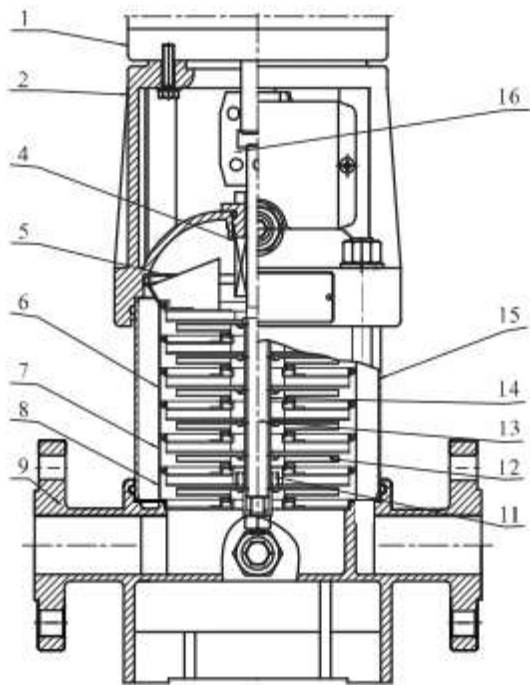


Two pumps or more can be connected in parallel running if necessary.

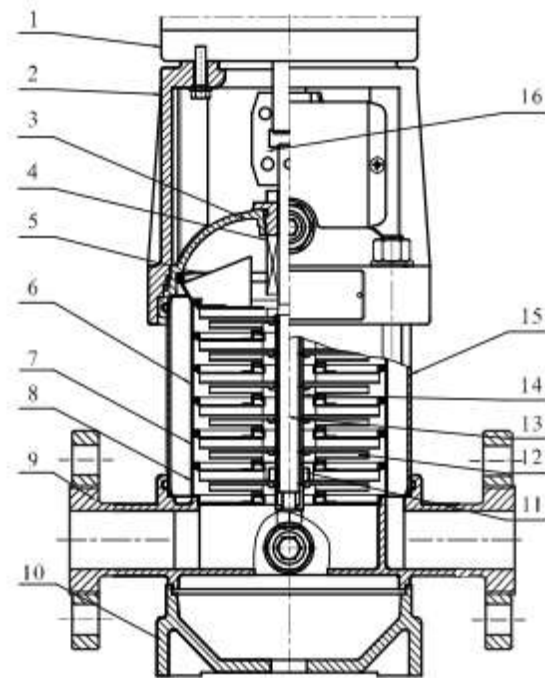


Check and ensure that the pump is not at cavitations state.

● **Section Drawing CRM/CRMF 1,2,3,4,5**



**CRM**



**CRMF**

● **Material CRM/CRMF 1,2,3,4,5**

NO.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal		
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304 AISI316L

NO.	Name	Material	AISI/ASTM
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel	

**CRMF**

3	Seal base	Stainless steel	AISI304
9	Inlet and outlet chamber	Stainless steel	AISI304
10	Base plate	Cast iron	ASTM25B

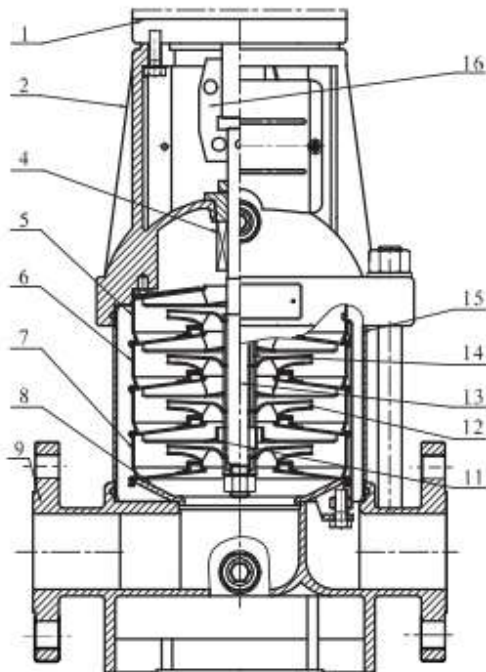
**CRM**

9	Inlet and outlet chamber	Cast iron	ASTM25B
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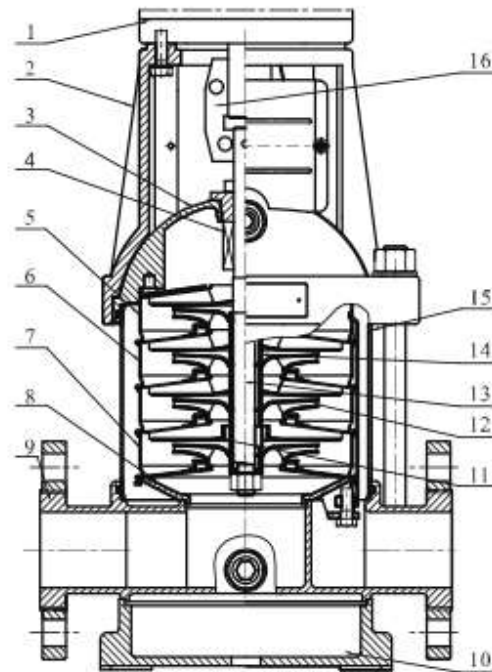


# General Data

## ● Section Drawing CRM/CRMF 8,10,12,15,16,20



**CRM**



**CRMF**

## ● Material CRM/CRMF 8,10,12,15,16,20

NO.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast iron	ASTM25B
4	Mechanical seal		
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
13	Shaft	Stainless steel	AISI304 AISI316L

NO.	Name	Material	AISI/ASTM
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel	

### CRMF

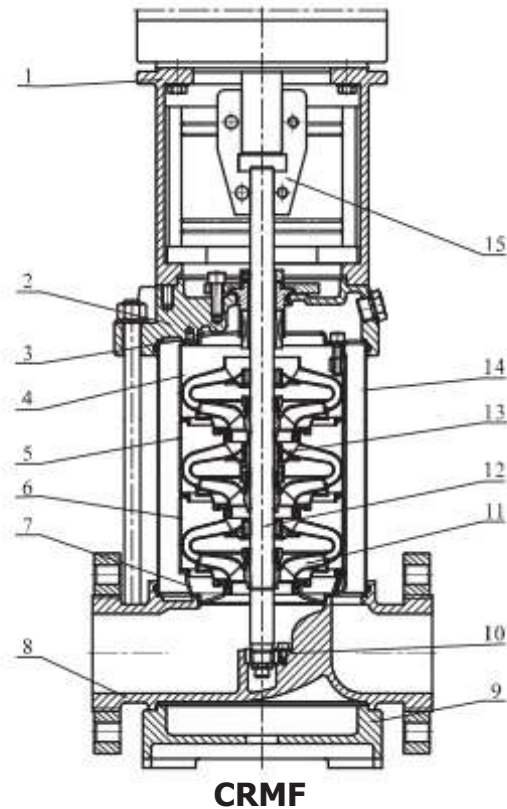
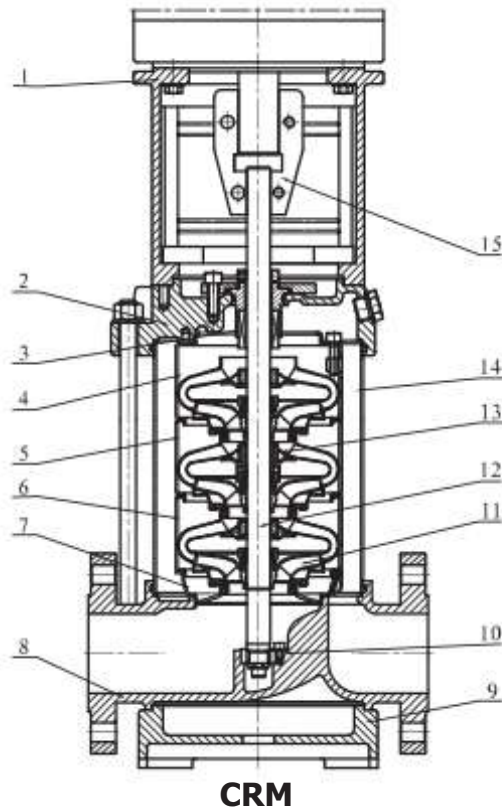
3	Seal base	Stainless steel	AISI304
9	Inlet and outlet chamber	Stainless steel	AISI304
10	Base plate	Cast iron	ASTM25B

### CRM

9	Inlet and outlet chamber	Cast iron	ASTM25B
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# General Data

## ● Section Drawing CRM/CRMF 32 & 42



## ● Section Drawing CRM/CRMF 32 & 42

NO.	Name	Material	AISI/ASTM
1	Bracket	Cast iron	ASTM25B
3	Mechanical seal		
4	Top diffuser	Stainless steel	AISI304
5	Support diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Inducer	Stainless steel	AISI304
9	Base plate	Cast iron	ASTM25B
10	Bottom bearing	Tungsten carbide	
11	Impeller	Stainless steel	AISI304

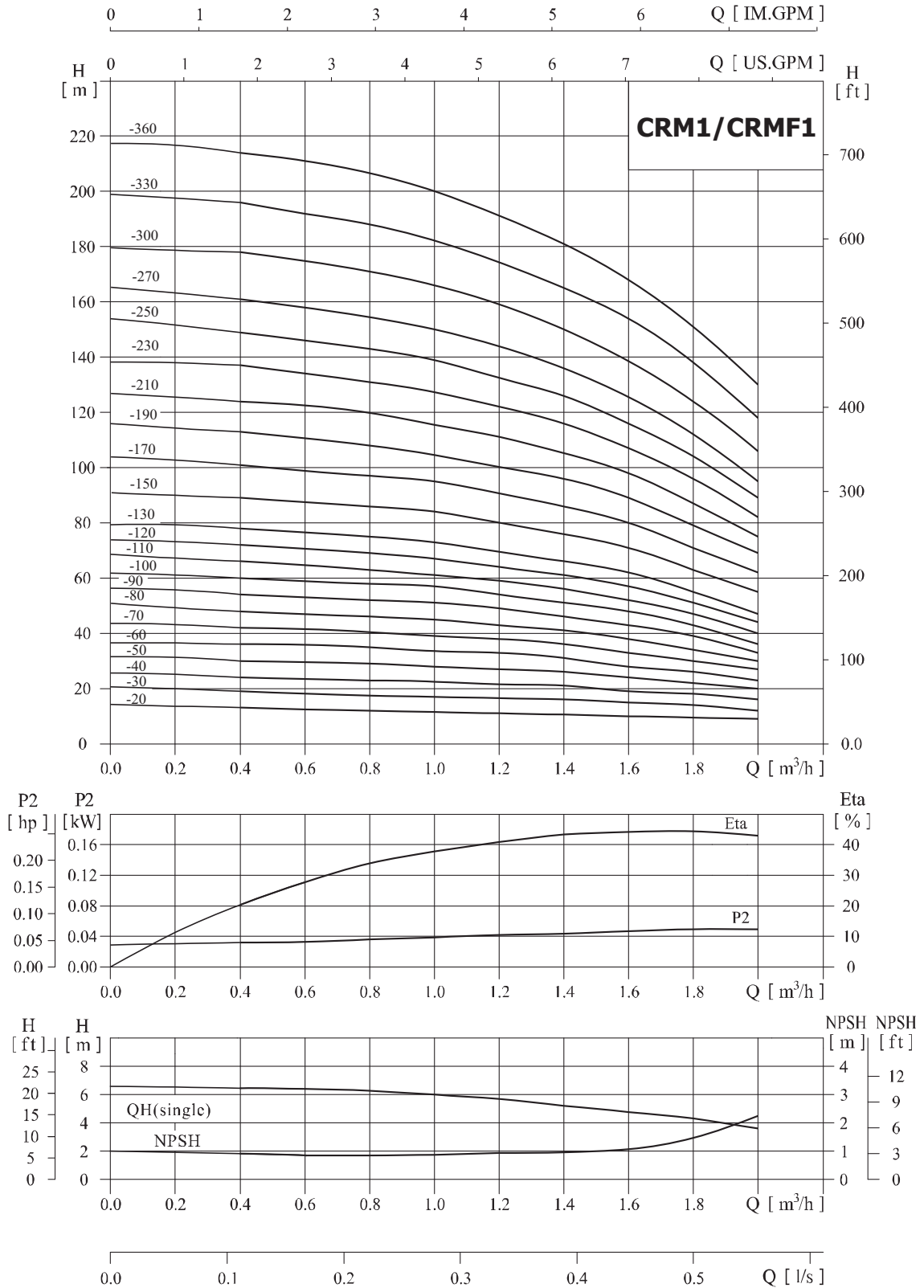
NO.	Name	Material	AISI/ASTM
12	Shaft	Stainless steel	AISI316L AISI304 AISI431
13	Intermediate bearing	Tungsten carbide	
14	Cylinder	Stainless steel	AISI304
15	Coupling	Carbon steel	
	Rubber parts	NBR	
<b>CRM</b>			
2	Pump head	Cast iron	ASTM25B
8	Inlet and outlet chamber	Cast iron	ASTM25B
<b>CRMF</b>			
2	Pump head	Stainless steel	AISI304
8	Inlet and outlet chamber	Stainless steel	AISI304



# CRM1/CRMF1, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

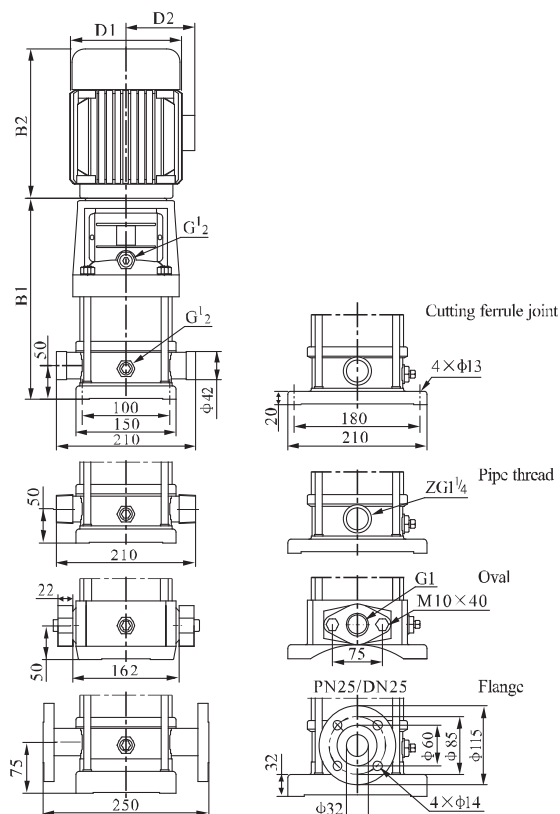


# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
	(kW)	(hp)										
CRM1-20	0.37	0.5	H (m)	13	12.5	12	11.5	11	10.5	10	9.5	9
CRM1-30	0.37	0.5		19	18	17.5	17	16.5	16	15	14	12
CRM1-40	0.37	0.5		24	23.5	23	22.5	21.5	21	19	18	16
CRM1-50	0.37	0.5		30	29.6	29	28	27	26	24	22	20
CRM1-60	0.37	0.5		36	35.5	35	33.5	33	31	28	26	23
CRM1-70	0.37	0.5		42	41	40.5	39	38	36	33	30	27
CRM1-80	0.55	0.75		48	47	46	45	43	41	38	34	30
CRM1-90	0.55	0.75		54	53	52	51	49	46	43	39	33
CRM1-100	0.55	0.75		60	59	58	57	54	51	48	43	36
CRM1-110	0.55	0.75		66	65	63	61	59	56	52	47	40
CRM1-120	0.75	1		72	71	69	67	64	61	57	51	44
CRM1-130	0.75	1		78	77	75	73	69	66	62	55	47
CRM1-150	0.75	1		89	88	86	84	79	76	71	63	55
CRM1-170	1.1	1.5		101	99	97	95	89	86	80	71	62
CRM1-190	1.1	1.5		113	110	108	106	99	96	89	79	69
CRM1-210	1.1	1.5		124	122	120	117	110	106	98	87	75
CRM1-230	1.1	1.5		137	133	131	128	121	116	107	96	82
CRM1-250	1.5	2		149	145	143	139	131	126	116	104	89
CRM1-270	1.5	2		161	157	155	150	141	136	125	112	95
CRM1-300	1.5	2		178	175	171	166	157	150	139	124	106
CRM1-330	2.2	3	196	192	188	183	173	165	154	137	118	
CRM1-360	2.2	3	214	210	205	200	190	181	169	151	130	

## Installation sketch



## Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM1-20	258	225	483	148	117	20
CRM1-30	276	225	501	148	117	20
CRM1-40	294	225	519	148	117	21
CRM1-50	312	225	537	148	117	21
CRM1-60	330	225	555	148	117	22
CRM1-70	348	225	573	148	117	23
CRM1-80	366	225	591	148	117	24
CRM1-90	384	225	609	148	117	25
CRM1-100	402	225	627	148	117	26
CRM1-110	420	225	645	148	117	26
CRM1-120	448	245	693	170	142	29
CRM1-130	466	245	711	170	142	30
CRM1-150	502	245	747	170	142	31
CRM1-170	538	245	783	170	142	33
CRM1-190	574	245	819	170	142	34
CRM1-210	610	245	855	170	142	35
CRM1-230	646	245	891	170	142	36
CRM1-250	692	290	982	190	155	42
CRM1-270	728	290	1018	190	155	43
CRM1-300	782	290	1072	190	155	45
CRM1-330	836	290	1126	190	155	49
CRM1-360	890	290	1180	190	155	51

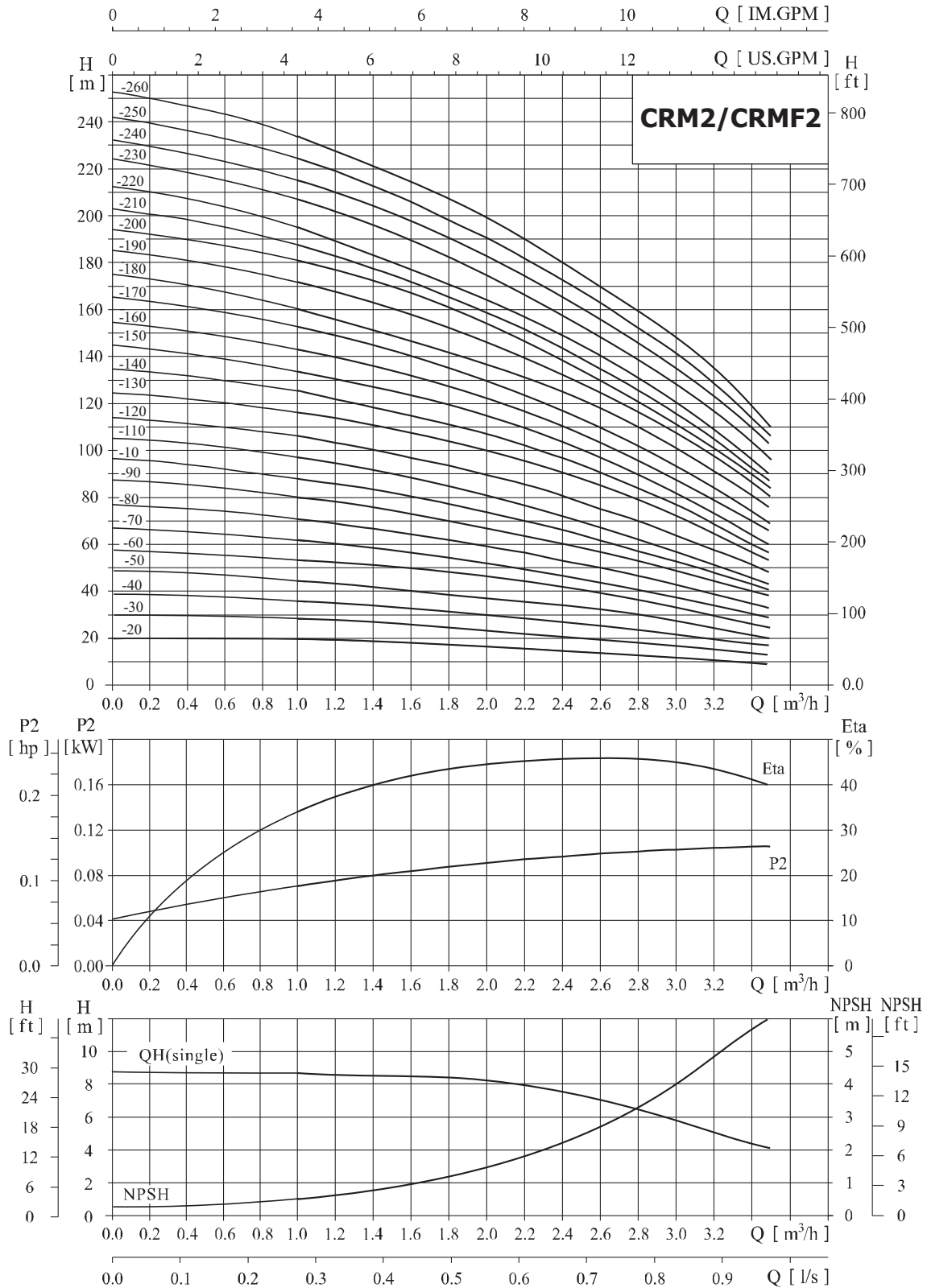
CRM1-250 ~1-360 sub-connection of pipeline has no oval flange connection.

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

# CRM2/CRMF2, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

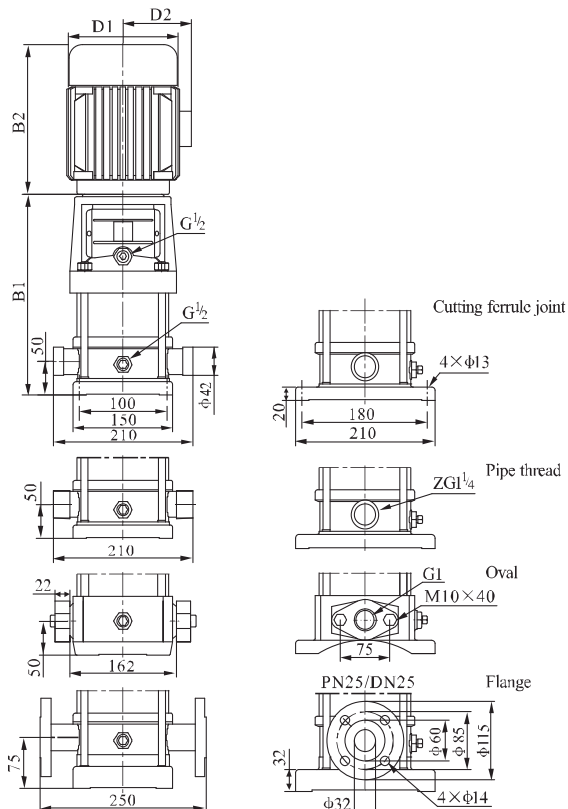


# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
	(kW)	(hp)									
CRM2-20	0.37	0.5	H (m)	18	17	16	15	13	12	10	8
CRM2-30	0.37	0.5		27	26	24	22	20	18	15	12
CRM2-40	0.55	0.75		36	35	33	30	26	24	20	16
CRM2-50	0.55	0.75		45	43	40	37	33	30	24	20
CRM2-60	0.75	1		53	52	50	45	40	36	30	24
CRM2-70	0.75	1		63	61	57	52	47	41	35	28
CRM2-90	1.1	1.5		80	78	73	67	61	54	45	37
CRM2-110	1.1	1.5		98	95	89	82	73	64	54	44
CRM2-130	1.5	2		116	114	106	98	89	78	65	52
CRM2-150	1.5	2		134	130	123	112	100	90	73	60
CRM2-180	2.2	3		161	157	148	136	121	108	91	76
CRM2-220	2.2	3		197	192	180	165	148	130	110	90
CRM2-260	3.0	4	232	228	214	198	179	158	130	110	

## Installation sketch



## Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM2-20	258	225	483	148	117	20
CRM2-30	276	225	501	148	117	20
CRM2-40	294	225	519	148	117	22
CRM2-50	312	225	537	148	117	23
CRM2-60	340	245	585	170	142	26
CRM2-70	358	245	603	170	142	26
CRM2-90	394	245	639	170	142	28
CRM2-110	430	245	675	170	142	29
CRM2-130	476	290	766	190	155	35
CRM2-150	512	290	802	190	155	36
CRM2-180	566	290	856	190	155	41
CRM2-220	638	290	928	190	155	42
CRM2-260	720	345	1065	197	165	52

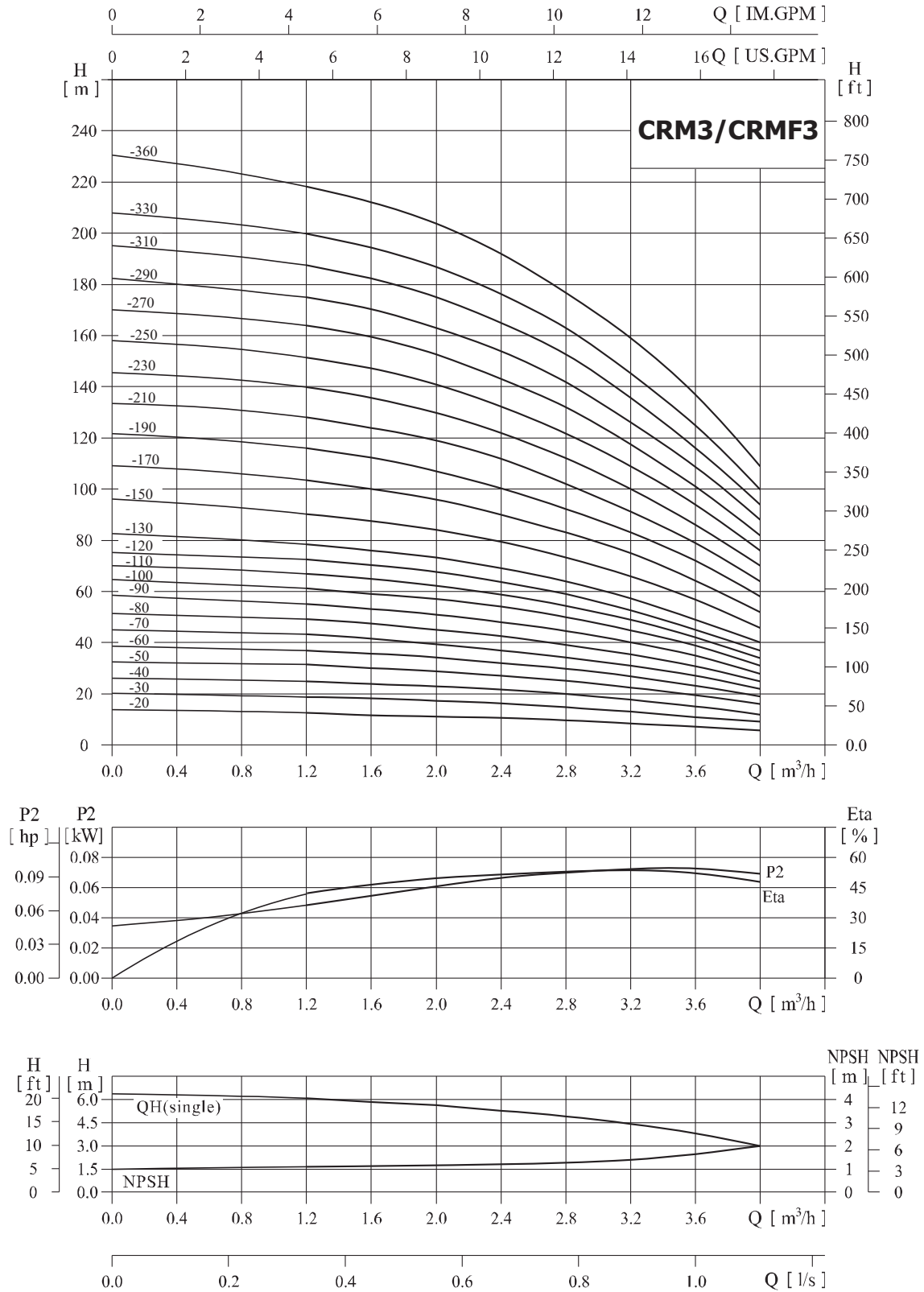
CRM2-180 ~2-260 sub-connection of pipeline has no oval flange connection.

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

# CRM3/CRMF3, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm



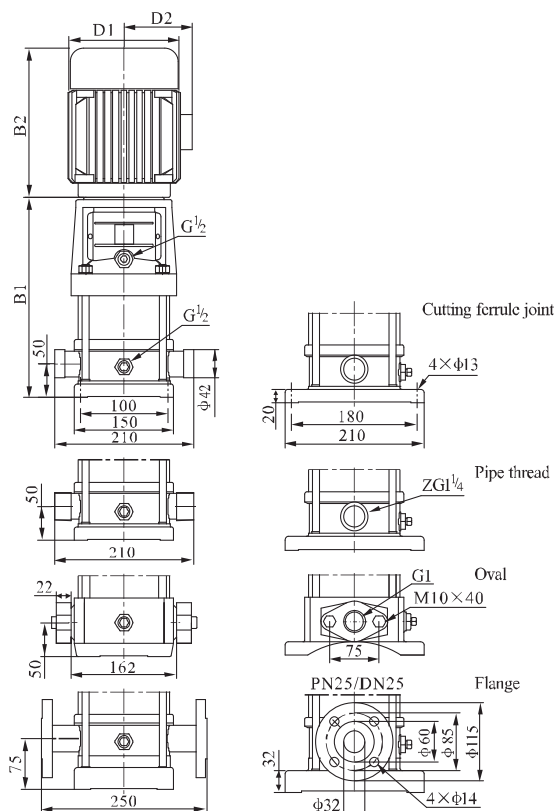


# Technical Data

## ● Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
	(kW)	(hp)										
CRM3-20	0.37	0.5	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
CRM3-30	0.37	0.5		19	18.5	17.5	16.5	15	14	13	11	9
CRM3-40	0.37	0.5		25	24	23	21.5	20	19	18	15	12
CRM3-50	0.37	0.5		31	30	29	27	25	23	22	19	16
CRM3-60	0.55	0.75		36	35	34	32	30	28	27	23	19
CRM3-70	0.55	0.75		43	41	39	37	34	32	31	27	22
CRM3-80	0.75	1		49	47	45	43	39	37	35	31	25
CRM3-90	0.75	1		55	53	51	48	45	42	40	35	28
CRM3-100	0.75	1		61	59	57	54	50	47	45	39	31
CRM3-110	1.1	1.5		67	64	61	58	54	51	49	42	34
CRM3-120	1.1	1.5		73	70	67	63	58	55	52	45	37
CRM3-130	1.1	1.5		78	76	73	69	64	60	57	49	40
CRM3-150	1.1	1.5		90	88	84	79	73	69	66	57	46
CRM3-170	1.5	2		103	100	96	90	83	79	75	64	52
CRM3-190	1.5	2		115	112	107	100	92	88	83	72	58
CRM3-210	2.2	3		128	124	119	112	102	98	91	79	64
CRM3-230	2.2	3		140	135	130	122	112	107	100	86	70
CRM3-250	2.2	3		151	147	141	131	122	116	109	94	76
CRM3-270	2.2	3		164	159	152	143	132	124	117	101	82
CRM3-290	2.2	3		175	170	163	153	142	133	126	109	88
CRM3-310	3.0	4		187	182	175	165	153	142	135	116	94
CRM3-330	3.0	4		199	194	187	176	163	151	145	125	100
CRM3-360	3.0	4		218	212	204	192	178	168	159	137	109

## ● Installation sketch



## ● Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM3-20	258	225	483	148	117	20
CRM3-30	276	225	501	148	117	20
CRM3-40	294	225	519	148	117	21
CRM3-50	312	225	537	148	117	21
CRM3-60	330	225	555	148	117	23
CRM3-70	348	225	573	148	117	24
CRM3-80	376	245	621	170	142	27
CRM3-90	394	245	639	170	142	28
CRM3-100	412	245	657	170	142	28
CRM3-110	430	245	675	170	142	29
CRM3-120	448	245	693	170	142	30
CRM3-130	466	245	711	170	142	31
CRM3-150	502	245	747	170	142	32
CRM3-170	548	290	838	190	155	38
CRM3-190	584	290	874	190	155	39
CRM3-210	620	290	910	190	155	42
CRM3-230	656	290	946	190	155	43
CRM3-250	692	290	982	190	155	44
CRM3-270	728	290	1018	190	155	45
CRM3-290	764	290	1054	190	155	46
CRM3-310	810	345	1155	197	165	54
CRM3-330	846	345	1191	197	165	55
CRM3-360	900	345	1245	197	165	57

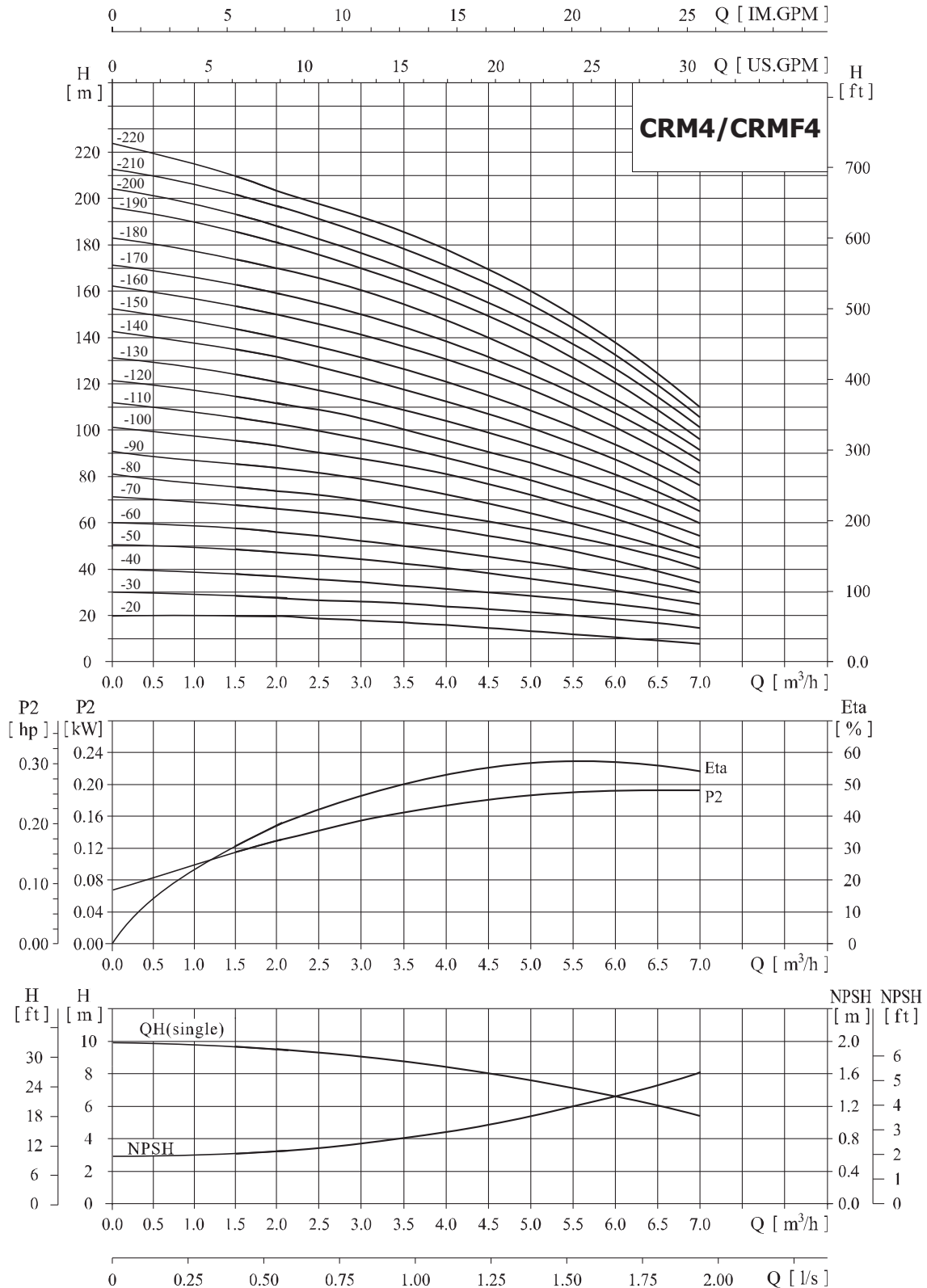
CRM3-250 ~3-360 sub-connection of pipeline has no oval flange connection.

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

# CRM4/CRMF4, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

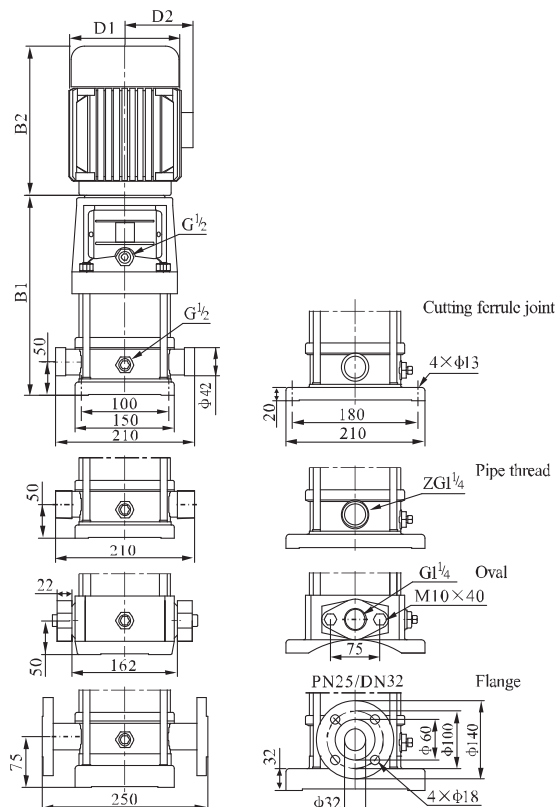


# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	1.5	2.0	3.0	4.0	5.0	6.0	7.0
	(kW)	(hp)								
CRM4-20	0.37	0.5	H (m)	19	18	17	15	13	10	8
CRM4-30	0.55	0.75		28	27	26	24	20	18	13
CRM4-40	0.75	1		38	36	34	32	27	24	19
CRM4-50	1.1	1.5		47	45	43	40	34	31	23
CRM4-60	1.1	1.5		56	54	52	48	41	37	28
CRM4-70	1.5	2		66	63	61	56	48	43	33
CRM4-80	1.5	2		74	72	70	64	55	50	38
CRM4-100	2.2	3		96	90	87	81	71	62	48
CRM4-120	2.2	3		114	108	104	95	85	75	58
CRM4-140	3.0	4		136	126	122	112	101	89	68
CRM4-160	3.0	4		152	144	140	129	115	101	78
CRM4-190	4.0	5.5		183	171	168	153	137	122	93
CRM4-220	4.0	5.5	211	200	192	178	160	138	108	

## Installation sketch



## Size and weight

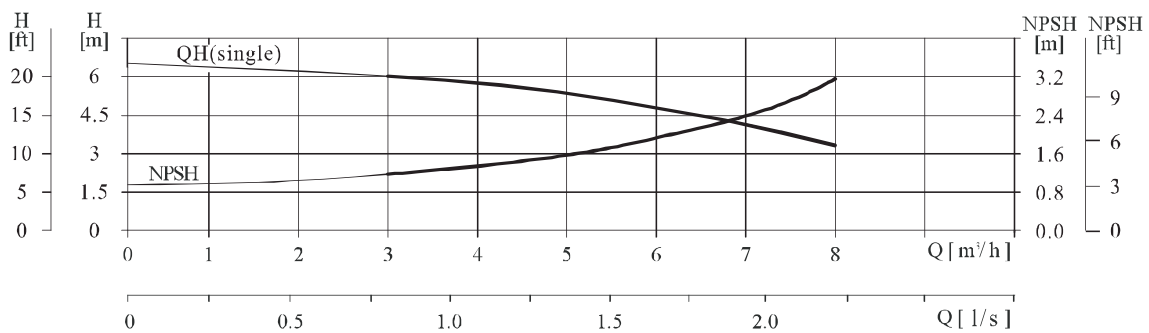
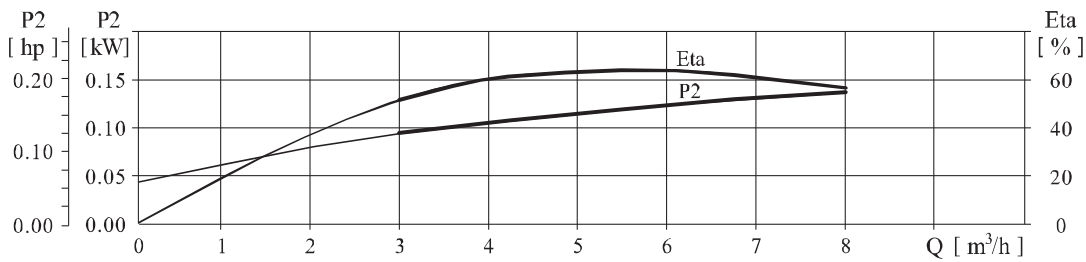
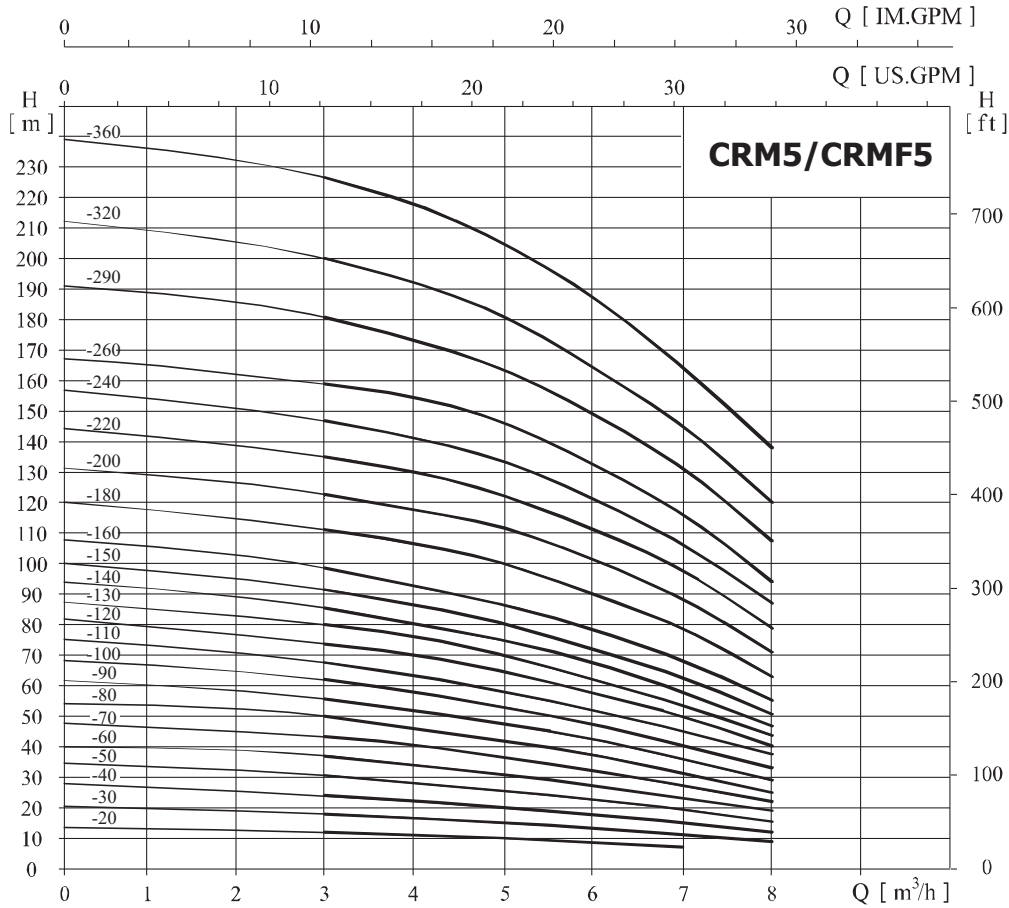
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM4-20	276	225	501	148	117	21
CRM4-30	303	225	528	148	117	22
CRM4-40	340	245	585	170	142	25
CRM4-50	367	245	612	170	142	27
CRM4-60	394	245	639	170	142	27
CRM4-70	431	290	721	190	155	33
CRM4-80	458	290	748	190	155	33
CRM4-100	512	290	802	190	155	37
CRM4-120	566	290	856	190	155	38
CRM4-140	630	345	975	197	165	46
CRM4-160	684	345	1029	197	165	48
CRM4-190	765	355	1120	230	188	57
CRM4-220	846	355	1201	230	188	59

CRM4-190 ~4-220 sub-connection of pipeline has no oval flange connection.  
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

# CRM5/CRMF5, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

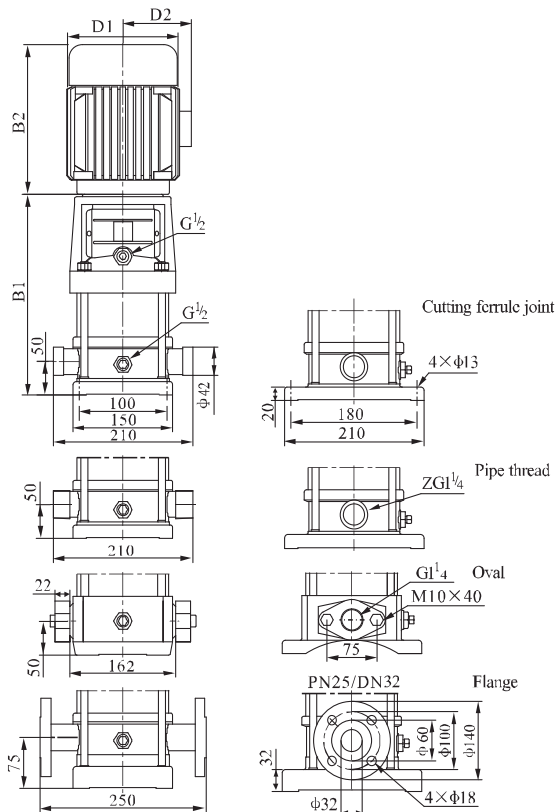


# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	3	4	5	6	7	8
	(kW)	(hp)							
CRM5-20	0.37	0.5	H (m)	12	11	10	9	7	
CRM5-30	0.55	0.75		18	17	15	14	11	9
CRM5-40	0.55	0.75		24	22	20	18	15	12
CRM5-50	0.75	1		31	28	26	23	19	16
CRM5-60	1.1	1.5		37	35	32	27	23	19
CRM5-70	1.1	1.5		43	41	37	33	27	22
CRM5-80	1.1	1.5		50	47	43	38	32	25
CRM5-90	1.5	2		56	53	48	43	37	29
CRM5-100	1.5	2		62	59	54	48	41	34
CRM5-110	2.2	3		68	64	59	53	46	38
CRM5-120	2.2	3		74	70	65	58	50	41
CRM5-130	2.2	3		80	76	70	62	54	44
CRM5-140	2.2	3		86	81	75	68	58	47
CRM5-150	2.2	3		92	87	81	73	63	51
CRM5-160	2.2	3		99	93	87	79	69	55
CRM5-180	3.0	4		111	106	100	90	79	63
CRM5-200	3.0	4		123	118	112	102	89	71
CRM5-220	4.0	5.5		135	130	123	112	99	79
CRM5-240	4.0	5.5		147	142	134	122	107	87
CRM5-260	4.0	5.5		159	155	146	133	116	94
CRM5-290	4.0	5.5	181	174	164	149	131	107	
CRM5-320	5.5	7.5	200	193	181	164	145	120	
CRM5-360	5.5	7.5	227	219	205	188	165	138	

## Installation sketch



## Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM5-20	276	225	501	148	117	26
CRM5-30	303	225	528	148	117	27
CRM5-40	330	225	555	148	117	27
CRM5-50	367	245	612	170	142	28
CRM5-60	394	245	639	170	142	29
CRM5-70	421	245	666	170	142	29
CRM5-80	448	245	693	170	142	30
CRM5-90	485	290	775	190	155	35
CRM5-100	512	290	802	190	155	36
CRM5-110	539	290	829	190	155	40
CRM5-120	566	290	856	190	155	41
CRM5-130	593	290	883	190	155	41
CRM5-140	620	290	910	190	155	42
CRM5-150	647	290	937	190	155	42
CRM5-160	684	290	974	190	155	43
CRM5-180	738	345	1083	197	165	50
CRM5-200	782	345	1127	197	165	51
CRM5-220	846	355	1201	230	188	59
CRM5-240	900	355	1255	230	188	60
CRM5-260	954	355	1309	230	188	61
CRM5-290	1035	355	1390	230	188	63
CRM5-320	1136	390	1526	260	208	85
CRM5-360	1244	390	1634	260	208	87

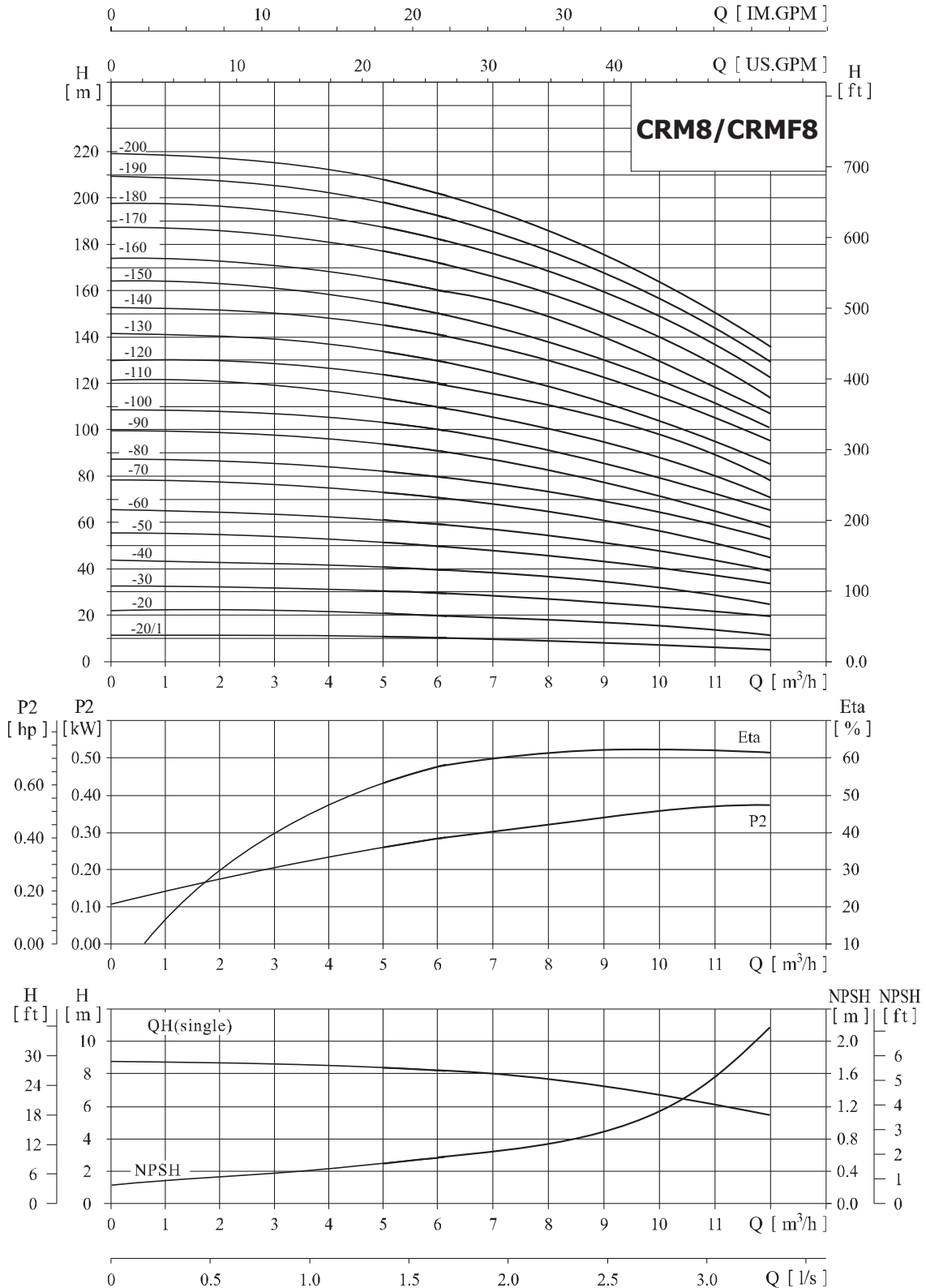
CRM5-260 ~5-360 sub-connection of pipeline has no oval flange connection.  
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



# CRM8/CRMF8, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

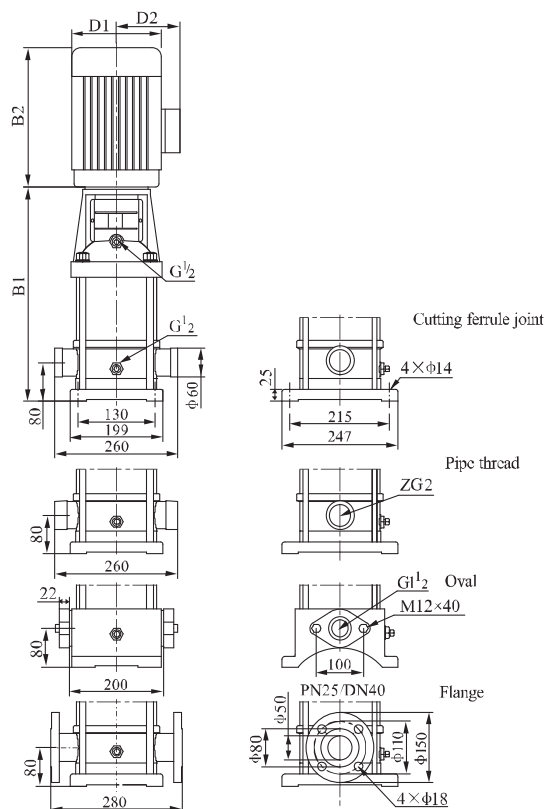


# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	5	6	7	8	9	10	11	12
	(kW)	(hp)									
CRM8-20/1	0.75	1	H (m)	10	9.5	9.3	9	8.5	8	7	6
CRM8-20	0.75	1		20	19.5	19	18	17	16	14	13
CRM8-30	1.1	1.5		30	29.5	28.5	27	25	24	21	19
CRM8-40	1.5	2		41	39.5	38	36	34	32	28	26
CRM8-50	2.2	3		52	50	48	45	42	40	36	32
CRM8-60	2.2	3		62	60	57	54	51	48	43	39
CRM8-80	3.0	4		83	80	77	73	69	65	58	52
CRM8-100	4.0	5.5		104	100	97	92	87	81	73	65
CRM8-120	4.0	5.5		124	120	116	111	104	92	87	78
CRM8-140	5.5	7.5		145	141	136	130	122	113	102	92
CRM8-160	5.5	7.5		166	161	156	148	139	130	118	106
CRM8-180	7.5	10		187	182	175	167	157	146	134	120
CRM8-200	7.5	10	208	202	195	186	175	163	150	135	

## Installation sketch



## Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM8-20/1	347	245	592	170	142	32
CRM8-20	347	245	592	170	142	32
CRM8-30	377	245	622	170	142	34
CRM8-40	417	290	707	190	155	40
CRM8-50	447	290	737	190	155	44
CRM8-60	477	290	767	190	155	45
CRM8-80	547	345	892	197	165	53
CRM8-100	607	355	962	230	188	64
CRM8-120	667	355	1022	230	188	66
CRM8-140	747	390	1137	260	208	81
CRM8-160	807	390	1197	260	208	84
CRM8-180	867	390	1257	260	208	93
CRM8-200	927	390	1317	260	208	94

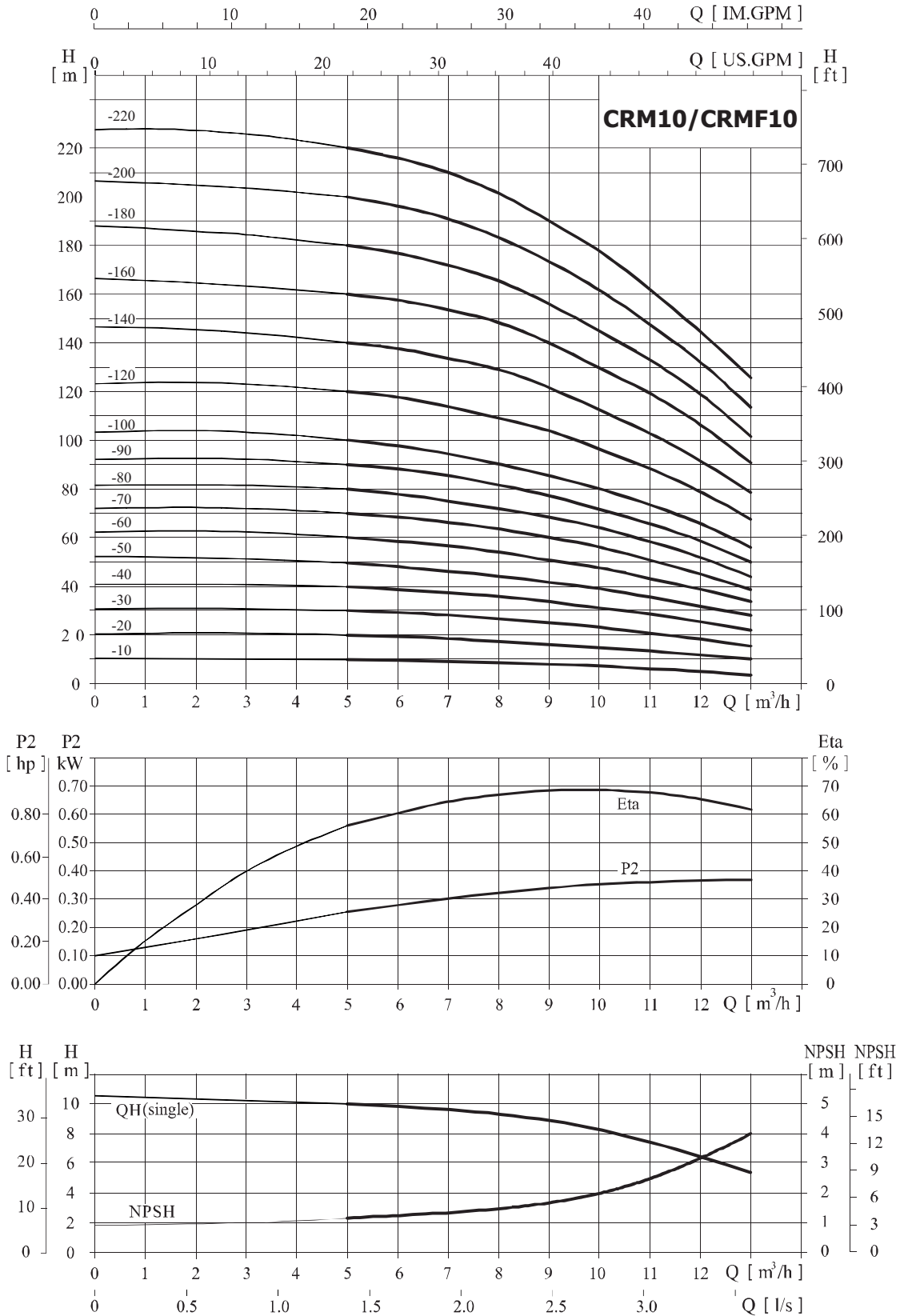
CRM8-140 ~8-200 sub-connection of pipeline has no oval flange connection.

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

# CRM10/CRMF10, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

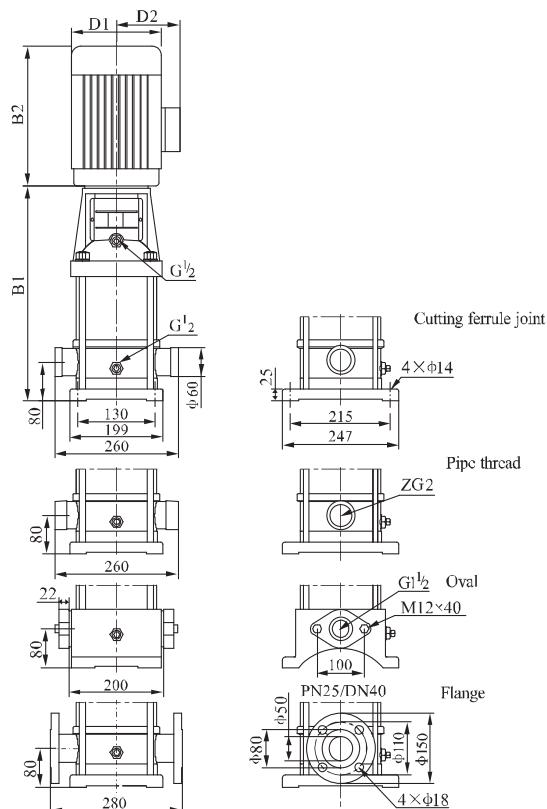


# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	5	6	7	8	9	10	11	12	13
	(kW)	(hp)										
CRM10-10	0.75	1	H (m)	9.7	9.3	8.9	8.3	7.7	7	6	5	4
CRM10-20	0.75	1		19.5	19	18	17	16	15	13.5	11.5	10
CRM10-30	1.1	1.5		29.5	29	28	27	25	23	21	18	16
CRM10-40	1.5	2		39.5	38.5	37.5	36	34	31	28	25	22
CRM10-50	2.2	3		49.5	48.5	47	44	42	39	35	32	28
CRM10-60	2.2	3		60	58	56	54	51	48	43	39	34
CRM10-70	3	4		70	68	66	63	60	56	51	45	39
CRM10-80	3	4		80	78	75	73	69	64	58	52	44
CRM10-90	3	4		90	87	85	81	77	72	66	58	50
CRM10-100	4	5.5		100	97	95	90	85	80	74	66	56
CRM10-120	4	5.5		120	117	114	109	104	96	89	79	68
CRM10-140	5.5	7.5		140	137	134	129	122	113	103	92	79
CRM10-160	5.5	7.5		160	158	153	148	140	129	119	106	91
CRM10-180	7.5	10		180	177	172	166	156	145	133	119	102
CRM10-200	7.5	10		200	196	191	184	173	162	147	132	114
CRM10-220	7.5	10	220	216	210	202	190	178	162	145	126	

## Installation sketch



## Size and weight

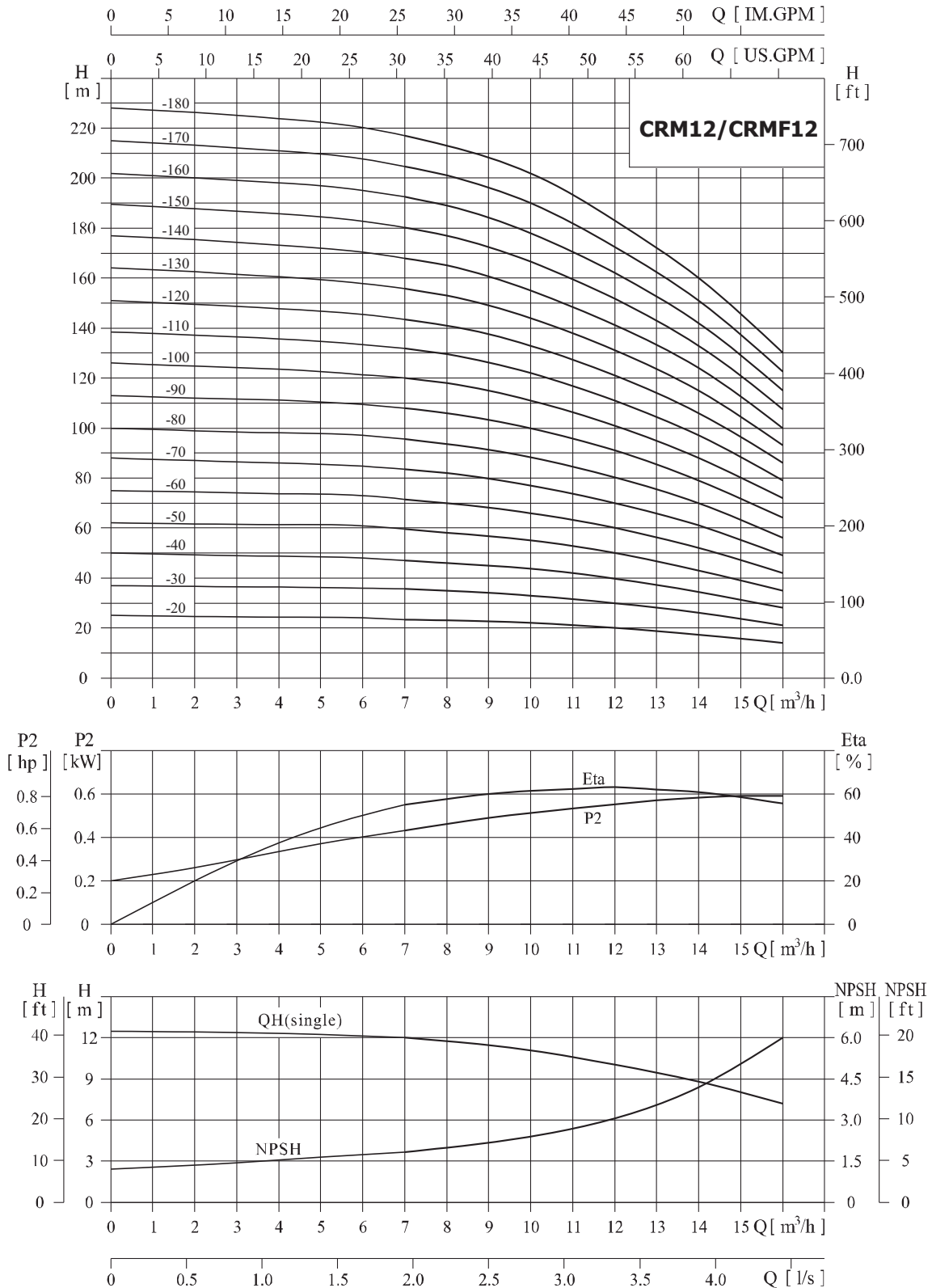
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM10-10	347	245	592	170	142	40
CRM10-20	347	245	592	170	142	41
CRM10-30	377	245	622	170	142	43
CRM10-40	417	290	707	190	155	49
CRM10-50	447	290	737	190	155	53
CRM10-60	477	290	767	190	155	54
CRM10-70	517	345	862	197	165	64
CRM10-80	547	345	892	197	165	65
CRM10-90	577	345	922	197	165	66
CRM10-100	607	355	962	230	188	74
CRM10-120	667	355	1022	230	188	76
CRM10-140	747	390	1137	260	208	100
CRM10-160	807	390	1197	260	208	102
CRM10-180	867	390	1257	260	208	107
CRM10-200	927	390	1317	260	208	109
CRM10-220	987	390	1377	260	208	111

CRM10-160 ~10-220 sub-connection of pipeline has no oval flange connection.  
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.

# CRM12/CRMF12, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm



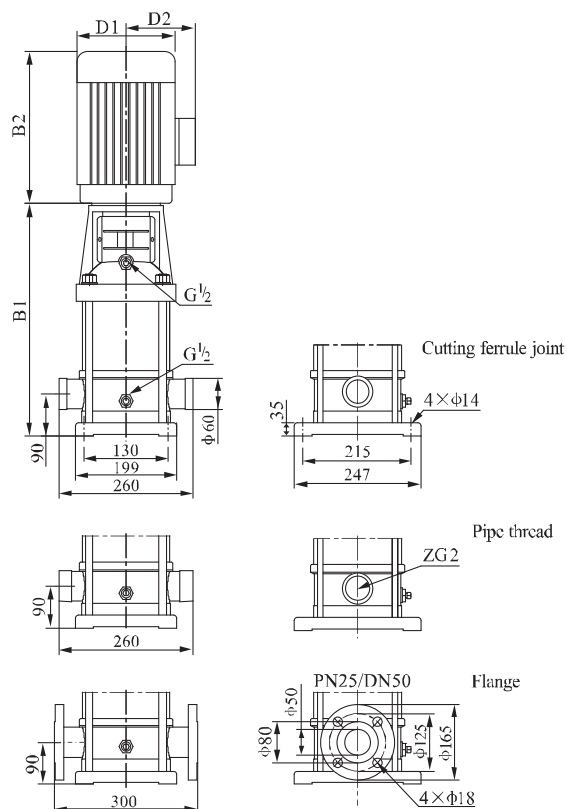


# Technical Data

## ● Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	7	8	9	10	11	12	13	14	15	16
	(kW)	(hp)											
CRM12-20	1.5	2	H (m)	23.5	23	22.5	22	21	20	18.5	17	15.5	14
CRM12-30	2.2	3		35.5	35	34	33	31.5	30	28	26	23.5	21
CRM12-40	3	4		47	46	45	44	42	40	37	34	31	28
CRM12-50	3	4		59.5	58	56.5	55	52.5	50	46.5	43	39	35
CRM12-60	4	5.5		71.5	70	68	66	63	60	56	52	47	42
CRM12-70	5.5	7.5		83.5	82	79.5	77	73.5	70	65.5	61	55	49
CRM12-80	5.5	7.5		95.5	94	91	88	84	80	75	70	63	56
CRM12-90	5.5	7.5		108	106	103	100	95.5	91	85	79	71.5	64
CRM12-100	7.5	10		120	118	114.5	111	106	101	94.5	88	80	72
CRM12-120	7.5	10		143.5	141	137	133	127	121	113.5	106	96	86
CRM12-140	11	15		168	165	160	155	148	141	132.5	124	112	100
CRM12-160	11	15		192.5	189	183.5	178	170	162	152	142	128.5	115
CRM12-180	11	15		217	213	207.5	202	192.5	183	171.5	160	145	130

## ● Installation sketch



## ● Size and weight

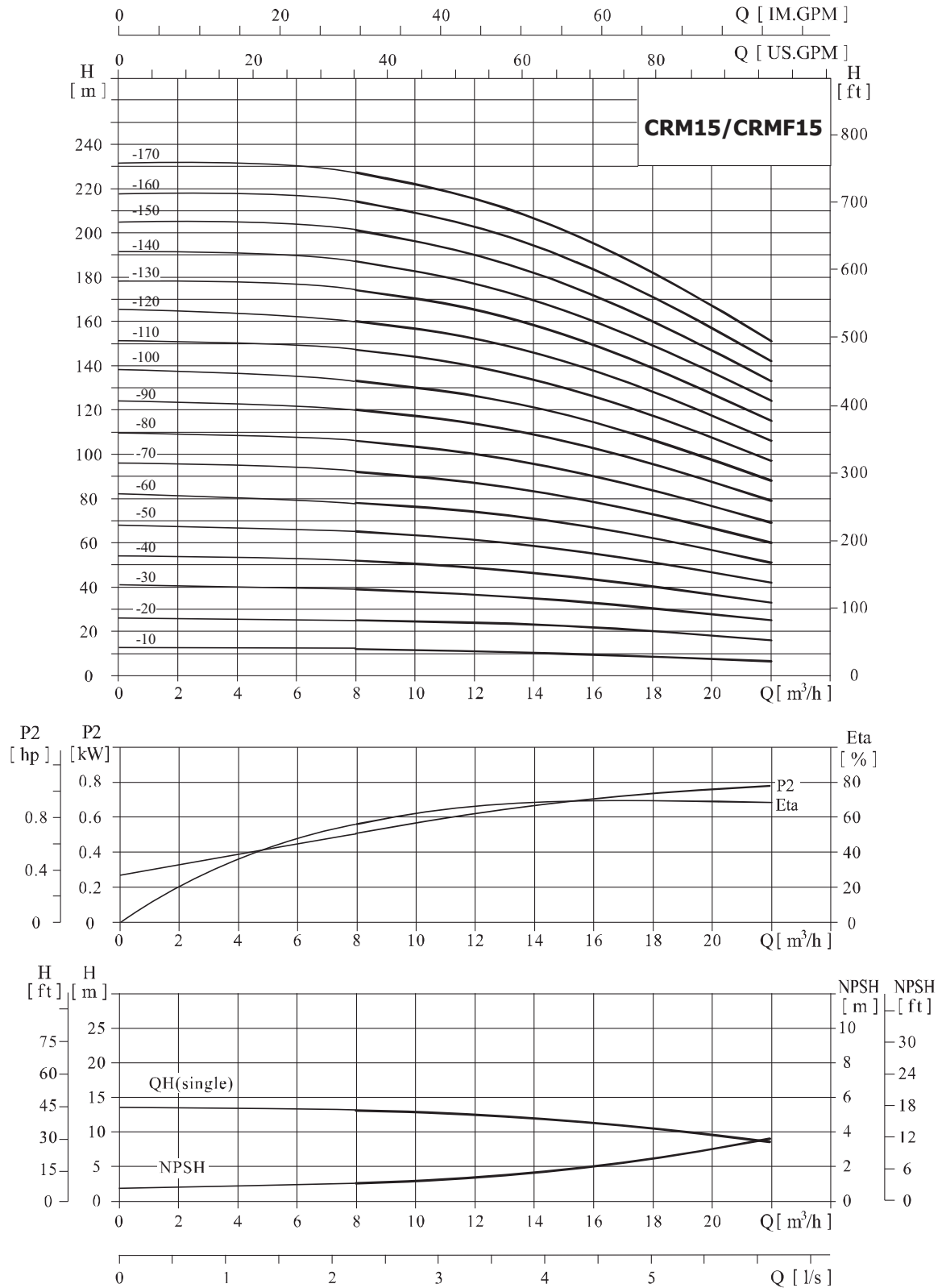
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM12-20	367	290	657	190	155	39
CRM12-30	397	290	687	190	155	43
CRM12-40	437	345	782	197	165	51
CRM12-50	467	345	812	197	165	53
CRM12-60	497	355	852	230	188	61
CRM12-70	547	390	937	260	208	73
CRM12-80	577	390	967	260	208	74
CRM12-90	607	390	997	260	208	76
CRM12-100	637	390	1027	260	208	83
CRM12-120	697	390	1087	260	208	87
CRM12-140	845	500	1345	330	255	157
CRM12-160	905	500	1405	330	255	161
CRM12-180	965	500	1465	330	255	164

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

# CRM15/CRMF15, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

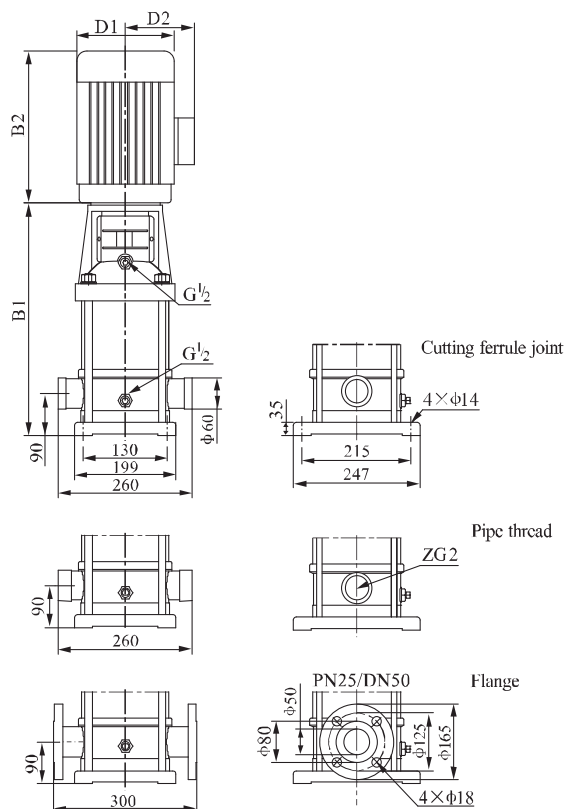


# Technical Data

## ● Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	8	10	12	14	15	16	18	20	22
	(kW)	(hp)										
CRM15-10	1.1	1.5	H (m)	12	11.5	11	10.5	10	9.5	8.5	7.5	6.5
CRM15-20	2.2	3		25	24.5	24	23	22.5	21.5	20	18	16
CRM15-30	3	4		39	38	37	35	34	33	30	28	25
CRM15-40	4	5.5		52	51	49	46	45	44	40	37	33
CRM15-50	4	5.5		65	63	61	59	57	55	51	47	42
CRM15-60	5.5	7.5		78	76	74	71	69	67	62	57	51
CRM15-70	5.5	7.5		92	90	87	83	81	79	73	67	60
CRM15-80	7.5	10		106	103	100	96	93	90	84	77	69
CRM15-90	7.5	10		120	117	114	109	106	103	95	87	79
CRM15-100	11	15		133	130	126	121	118	114	106	97	88
CRM15-120	11	15		160	157	152	146	142	138	128	117	106
CRM15-140	11	15		187	182	177	169	165	160	149	137	124
CRM15-170	15	20		227	222	215	206	201	195	182	167	151

## ● Installation sketch



## ● Size and weight

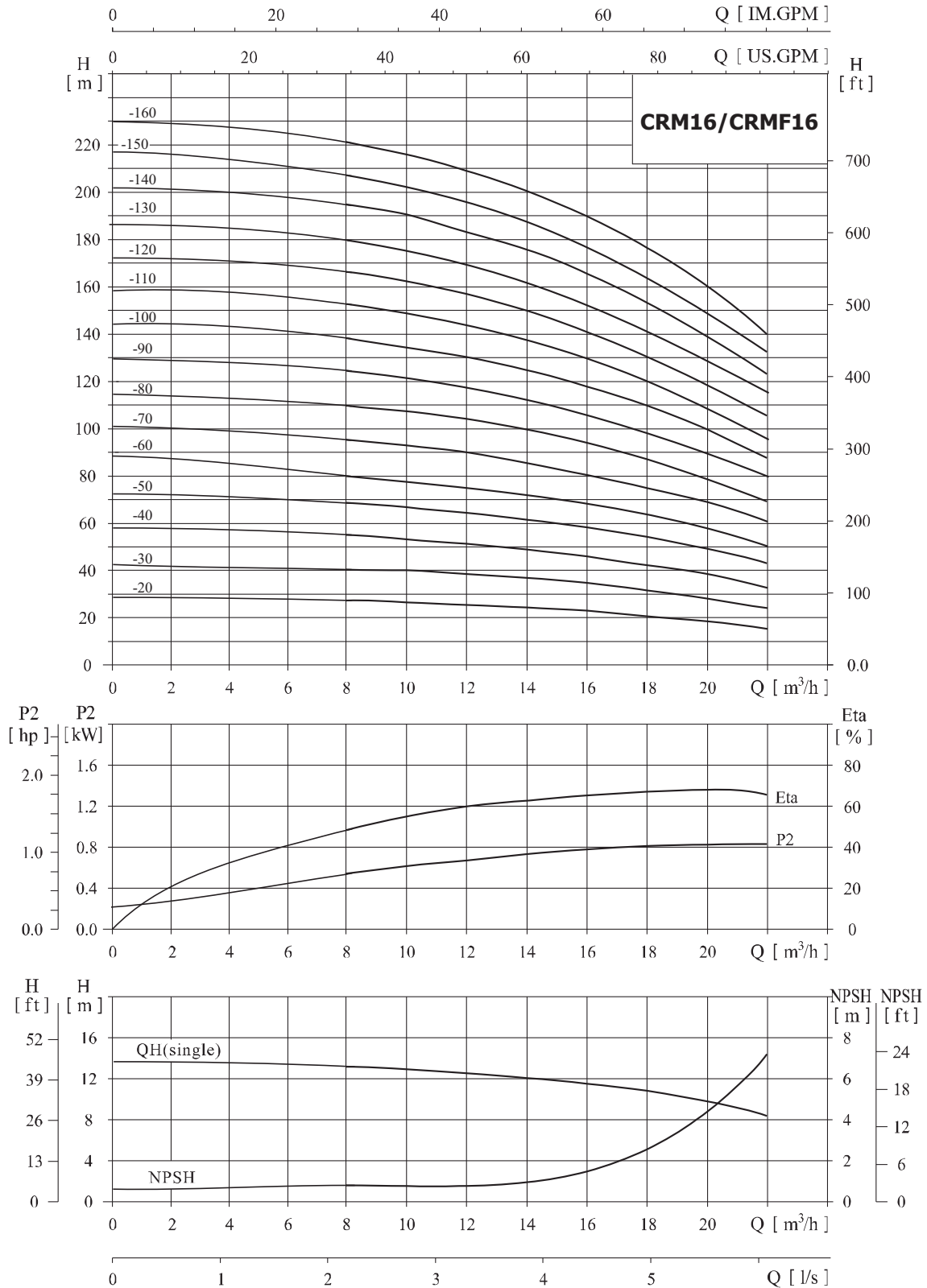
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM15-10	387	245	632	170	142	33
CRM15-20	397	290	687	190	155	42
CRM15-30	452	345	797	197	165	51
CRM15-40	497	355	852	230	188	60
CRM15-50	542	355	897	230	188	62
CRM15-60	607	390	997	260	208	78
CRM15-70	652	390	1042	260	208	80
CRM15-80	697	390	1087	260	208	86
CRM15-90	742	390	1132	260	208	88
CRM15-100	875	500	1375	330	255	157
CRM15-120	965	500	1465	330	255	161
CRM15-140	1055	500	1555	330	255	165
CRM15-170	1190	500	1690	330	255	178

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

# CRM16/CRMF16, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

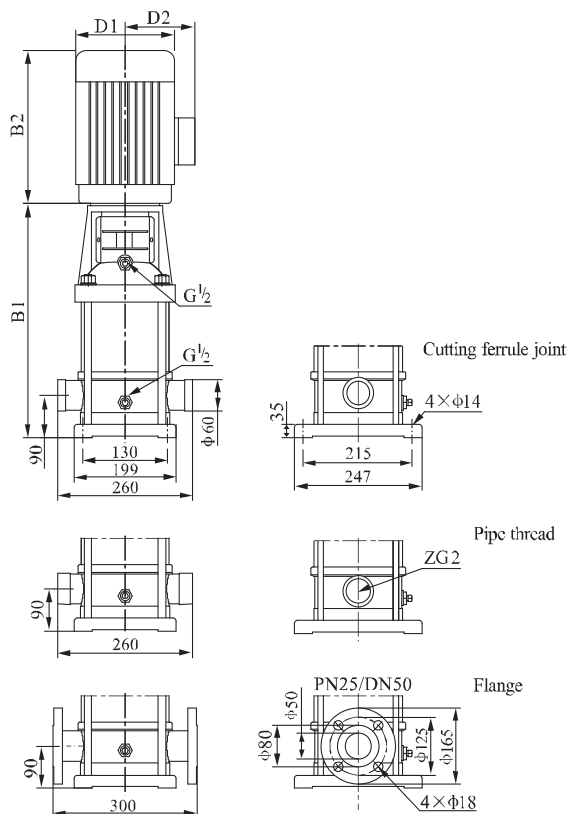


# Technical Data

## ● Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	8	10	12	14	16	18	20	22
	(kW)	(hp)									
CRM16-20	2.2	3	H (m)	27	26	25	24	22	21	19	16
CRM16-30	3.0	4		41	40	38	37	34	32	29	25
CRM16-40	4.0	5.5		54	53	52	49	46	43	38	34
CRM16-50	5.5	7.5		68	67	65	62	58	54	48	43
CRM16-60	5.5	7.5		82	80	78	74	70	64	58	52
CRM16-70	7.5	10		96	95	91	87	82	76	68	61
CRM16-80	7.5	10		110	108	104	99	94	86	77	70
CRM16-100	11	15		138	136	131	125	118	109	97	87
CRM16-120	11	15		166	162	157	150	141	130	116	105
CRM16-140	15	20		194	190	184	175	166	152	136	122
CRM16-160	15	20		222	217	210	200	189	174	156	140

## ● Installation sketch



## ● Size and weight

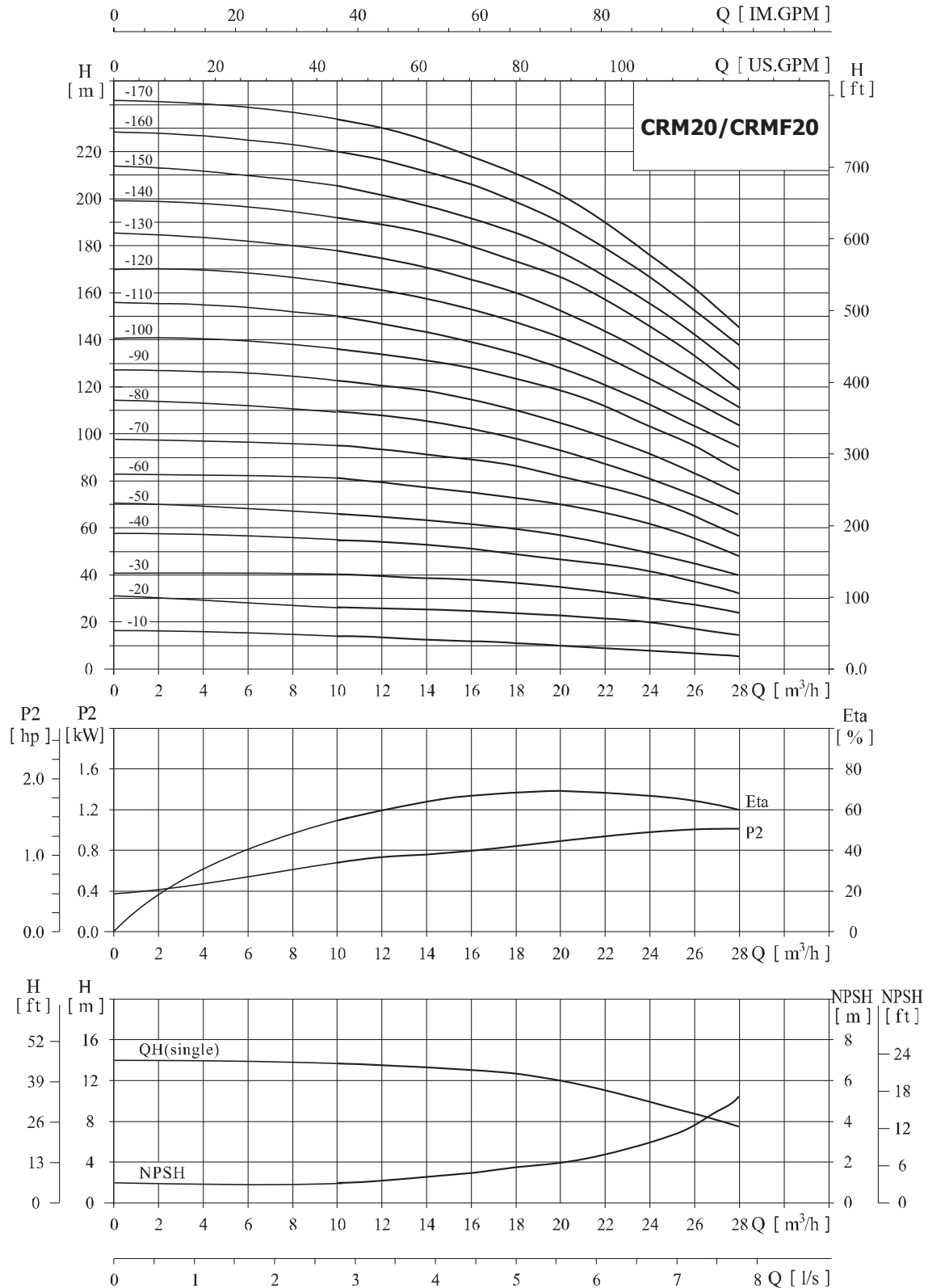
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM16-20	397	290	687	190	155	42
CRM16-30	452	345	797	197	165	50
CRM16-40	497	355	852	230	188	59
CRM16-50	562	390	952	260	208	76
CRM16-60	607	390	997	260	208	77
CRM16-70	652	390	1042	260	208	84
CRM16-80	697	390	1087	260	208	86
CRM16-100	875	500	1375	330	255	158
CRM16-120	965	500	1465	330	255	161
CRM16-140	1055	500	1555	330	255	174
CRM16-160	1145	500	1645	330	255	178

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

# CRM20/CRMF20, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

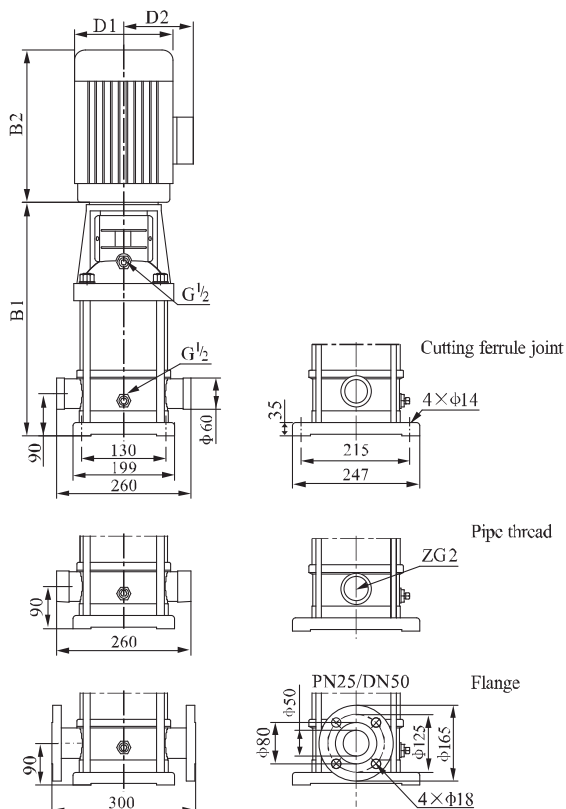


# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	10	12	14	16	18	20	22	24	26	28
	(kW)	(hp)											
CRM20-10	1.1	1.5	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
CRM20-20	2.2	3		27	26.5	26	25	24	23	22	20	18	15
CRM20-30	4.0	5.5		40	39.5	39	38	37	35	33	30	27	24
CRM20-40	5.5	7.5		54	53	52	51	49	47	44	41	37	33
CRM20-50	5.5	7.5		67	66	64	62	60	58	55	50	45	40
CRM20-60	7.5	10		81	79	77	75	73	70	66	61	55	49
CRM20-70	7.5	10		95	93	91	89	86	82	77	71	65	58
CRM20-80	11	15		109	107	105	102	99	94	89	82	75	67
CRM20-100	11	15		136	134	131	128	124	118	111	103	95	85
CRM20-120	15	20		164	162	158	154	149	142	133	124	114	102
CRM20-140	15	20		192	189	185	180	174	166	156	145	133	119
CRM20-170	18.5	25		234	230	225	219	212	202	190	177	162	145

## Installation sketch



## Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM20-10	387	245	632	170	142	33
CRM20-20	397	290	687	190	155	42
CRM20-30	452	355	807	230	188	58
CRM20-40	517	390	907	260	208	74
CRM20-50	562	390	952	260	208	76
CRM20-60	607	390	997	260	208	82
CRM20-70	652	390	1042	260	208	84
CRM20-80	785	500	1285	330	255	153
CRM20-100	875	500	1375	330	255	157
CRM20-120	965	500	1465	330	255	170
CRM20-140	1055	500	1555	330	255	172
CRM20-170	1190	550	1740	330	255	195

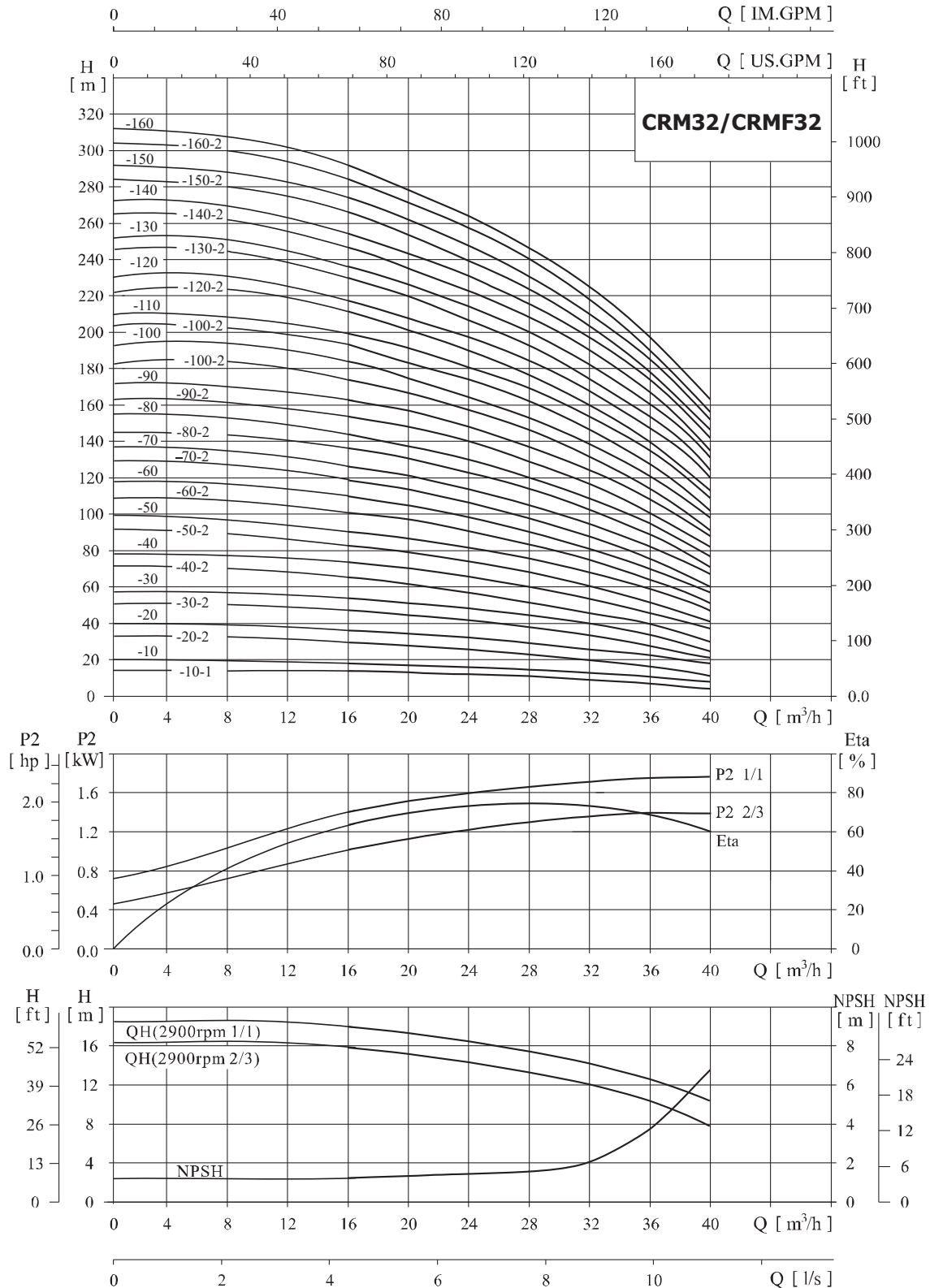
The overall dimensions of the single-phase motor and explosion-proof motor are a little different. Pls contact us for details.



# CRM32/CRMF32, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm



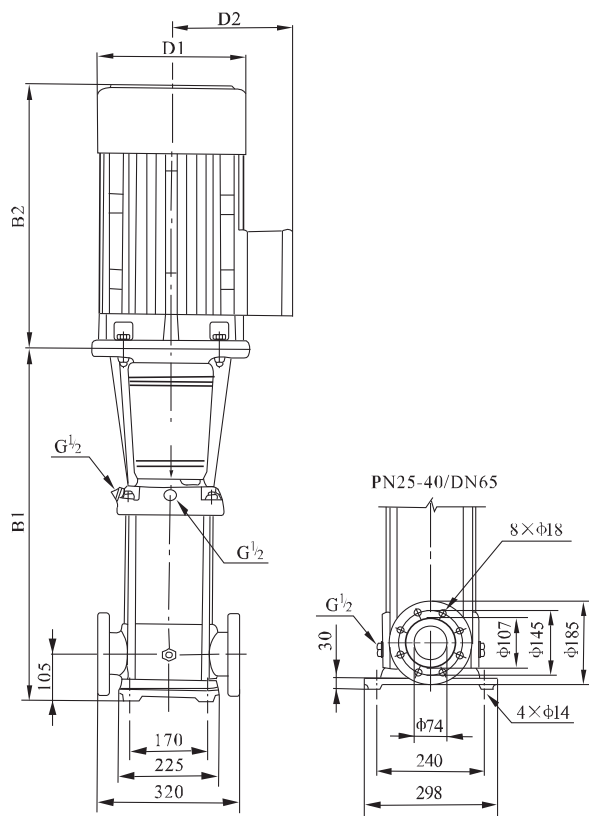
# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	16	20	24	28	32	36	40
	(kW)	(hp)								
CRM32-10-1	1.5	2	H (m)	14	13	12	11	9	7	4
CRM32-10	2.2	3		18	17	15	14	13	11	8
CRM32-20-2	3.0	4		29	28	26	23	20	16	11
CRM32-20	4.0	5.5		36	34	32	29	27	23	18
CRM32-30-2	5.5	7.5		47	44	41	38	33	28	21
CRM32-30	5.5	7.5		54	51	48	44	40	35	27
CRM32-40-2	7.5	10		65	62	58	53	46	40	30
CRM32-40	7.5	10		72	69	65	59	53	47	37
CRM32-50-2	11	15		83	79	74	68	60	52	41
CRM32-50	11	15		90	86	81	74	67	59	47
CRM32-60-2	11	15		101	97	90	83	74	65	51
CRM32-60	11	15		108	104	97	90	81	72	57
CRM32-70-2	15	20		119	114	107	98	88	78	60
CRM32-70	15	20		126	121	113	105	95	85	67
CRM32-80-2	15	20		136	131	123	114	102	90	71
CRM32-80	15	20		144	138	130	120	109	97	77

Model	Driving motor		Q (m <sup>3</sup> /h)	16	20	24	28	32	36	40
	(kW)	(hp)								
CRM32-90-2	18.5	25	H (m)	154	148	140	129	117	102	82
CRM32-90	18.5	25		162	156	147	136	124	109	88
CRM32-100-2	18.5	25		175	166	157	146	131	115	91
CRM32-100	18.5	25		182	173	164	152	138	122	98
CRM32-110-2	22	30		193	184	173	164	146	128	102
CRM32-110	22	30		200	191	180	168	153	135	109
CRM32-120-2	22	30		211	201	189	178	160	140	113
CRM32-120	22	30		218	208	196	184	167	147	120
CRM32-130-2	30	40		230	218	206	193	174	153	124
CRM32-130	30	40		237	225	213	200	181	160	131
CRM32-140-2	30	40		247	235	222	210	189	165	135
CRM32-140	30	40		255	242	229	216	196	172	142
CRM32-150-2	30	40		266	253	239	224	203	178	145
CRM32-150	30	40		274	260	246	231	210	185	152
CRM32-160-2	30	40		284	270	255	240	218	190	156
CRM32-160	30	40		292	277	262	246	225	197	163

## Installation sketch



## Size and weight

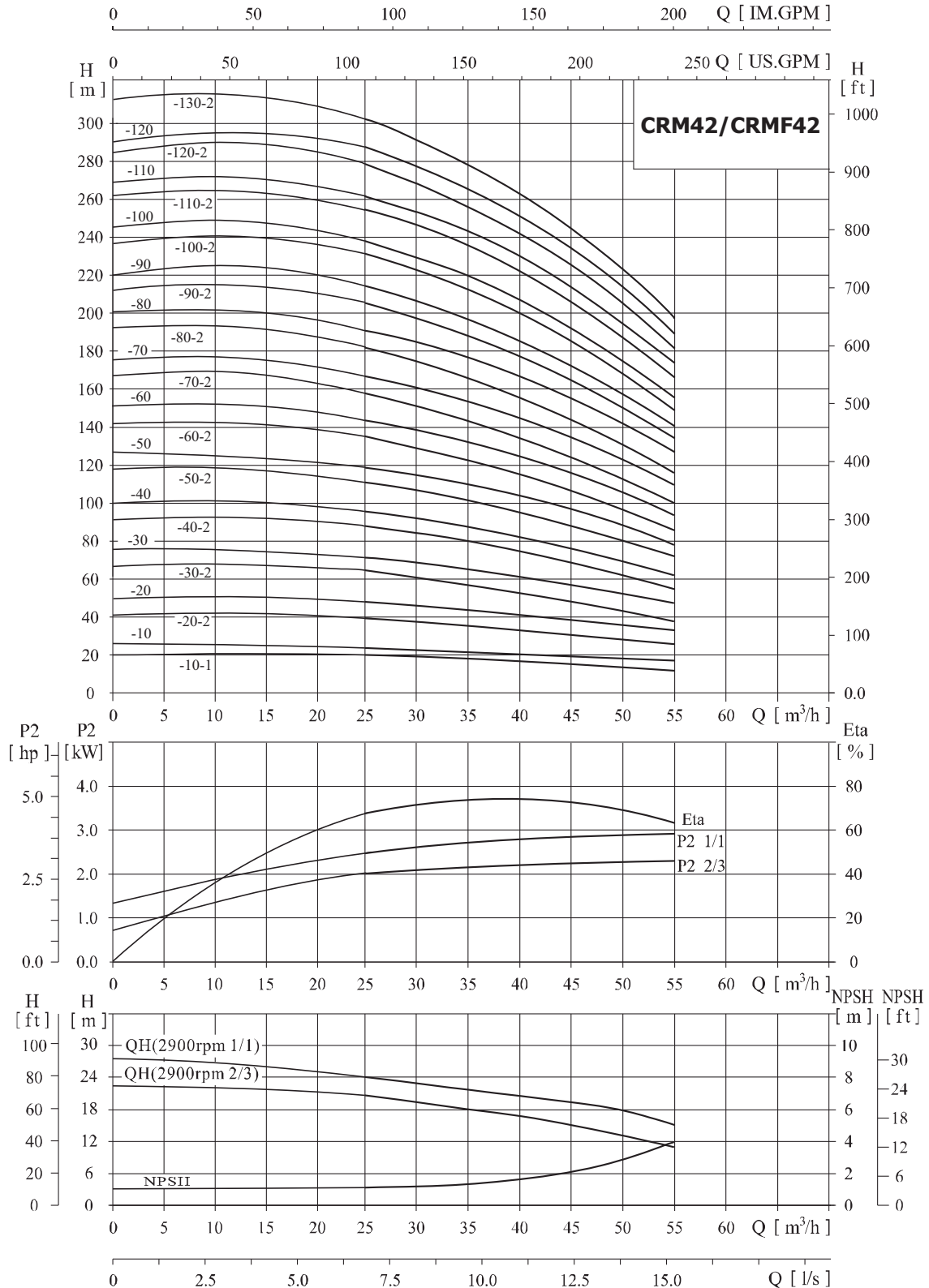
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM32-10-1/CRM32-10	505	290	795	190	155	64/68
CRM32-20-2/CRM32-20	575	345/355	920/930	197/230	165/180	77/85
CRM32-30-2/CRM32-30	645	390	1035	260	208	100
CRM32-40-2/CRM32-40	715	390	1105	260	208	109
CRM32-50-2/CRM32-50	890	500	1390	330	255	181
CRM32-60-2/CRM32-60	960	500	1460	330	255	185
CRM32-70-2/CRM32-70	1030	500	1530	330	255	199
CRM32-80-2/CRM32-80	1100	500	1600	330	255	203
CRM32-90-2/CRM32-90	1170	550	1720	330	255	222
CRM32-100-2/CRM32-100	1240	550	1790	330	255	227
CRM32-110-2/CRM32-110	1310	575	1885	360	285	272
CRM32-120-2/CRM32-120	1380	575	1955	360	285	276
CRM32-130-2/CRM32-130	1450	650	2100	400	310	337
CRM32-140-2/CRM32-140	1520	650	2170	400	310	341
CRM32-150-2/CRM32-150	1590	650	2240	400	310	345
CRM32-160-2/CRM32-160	1660	650	2310	400	310	350

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

# CRM42/CRMF42, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm

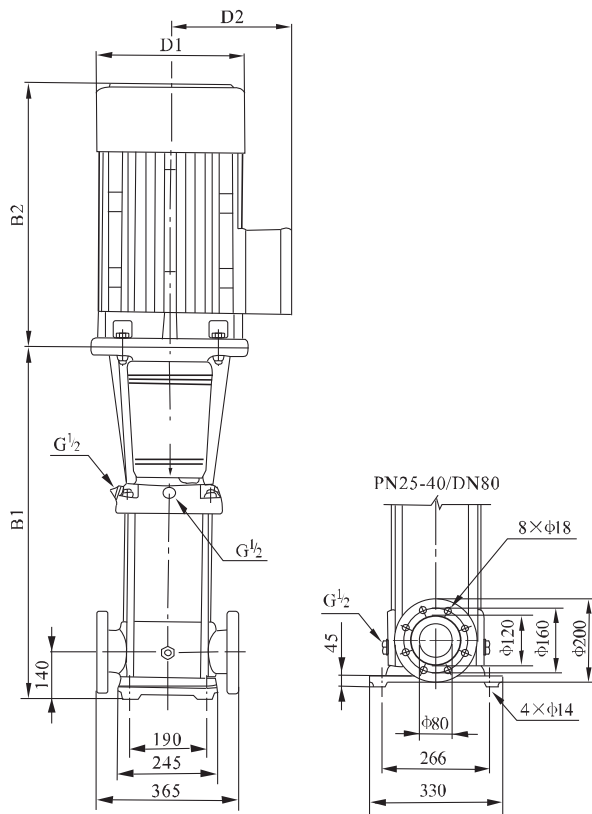


# Technical Data

## ● Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	25	30	35	40	42	45	50	55
	(kW)	(hp)									
CRM42-10-1	3.0	4	H (m)	20	19	18	17	16	15	13	11
CRM42-10	4.0	5.5		24	23	22	21	20	19	18	16
CRM42-20-2	5.5	7.5		40	38	36	33	32	30	27	23
CRM42-20	7.5	10		48	46	44	42	41	39	35	31
CRM42-30-2	11	15		63	61	58	54	52	50	44	38
CRM42-30	11	15		71	69	66	63	61	58	53	47
CRM42-40-2	15	20		87	84	80	75	73	69	62	54
CRM42-40	15	20		95	92	88	84	81	78	71	62
CRM42-50-2	18.5	25		111	107	102	96	93	88	80	69
CRM42-50	18.5	25		119	115	110	105	101	97	88	78
CRM42-60-2	22	30		135	130	124	117	113	108	97	85
CRM42-60	22	30		143	138	132	125	122	116	106	93
CRM42-70-2	30	40		158	152	146	138	134	127	115	100
CRM42-70	30	40		166	161	154	146	142	135	124	109
CRM42-80-2	30	40		182	175	168	159	154	146	133	116
CRM42-80	30	40		190	184	176	167	162	154	141	124
CRM42-90-2	30	40		205	198	190	180	174	166	150	132
CRM42-90	37	50		214	207	198	188	183	174	159	140
CRM42-100-2	37	50		230	221	212	200	194	185	168	147
CRM42-100	37	50		238	230	220	209	203	193	177	155
CRM42-110-2	45	60	255	246	236	223	217	206	188	165	
CRM42-110	45	60	263	255	244	232	225	214	196	173	
CRM42-120-2	45	60	280	270	259	245	238	226	206	181	
CRM42-120	45	60	289	280	268	255	247	236	216	190	
CRM42-130-2	45	60	305	294	282	267	259	247	225	198	

## ● Installation sketch



## ● Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM42-10-1	561	345/355	906/916	197/230	165/188	83 /90
CRM42-10						
CRM42-20-2	641	390	1031	260	208	105 /110
CRM42-20						
CRM42-30-2	826	500	1326	330	255	183
CRM42-30						
CRM42-40-2	906	500	1406	330	255	197
CRM42-40						
CRM42-50-2	986	550	1536	330	255	221
CRM42-50						
CRM42-60-2	1066	575	1641	360	285	261
CRM42-60						
CRM42-70-2	1146	650	1796	400	310	320
CRM42-70						
CRM42-80-2	1226	650	1876	400	310	324
CRM42-80						
CRM42-90-2	1306	650	1956	400	310	328 /352
CRM42-90						
CRM42-100-2	1386	650	2036	400	310	355
CRM42-100						
CRM42-110-2	1466	685	2151	450	345	426
CRM42-110						
CRM42-120-2	1546	685	2231	450	345	432
CRM42-120						
CRM42-130-2	1626	685	2311	450	345	438

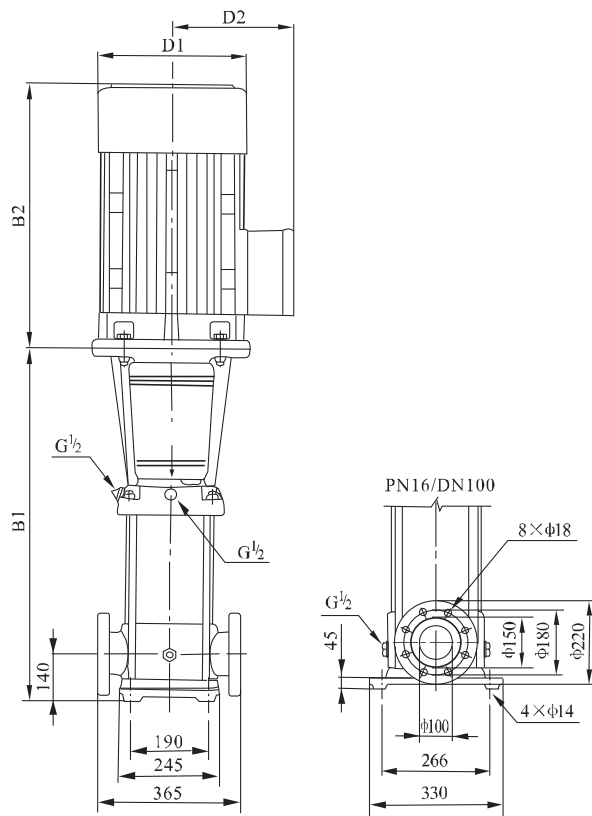
The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.

# Technical Data

## Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	30	40	50	60	65	70	80
	(kW)	(hp)								
CRM65-10-1	4.0	5.5	H (m)	19	18	16	14	13	11	8
CRM65-10	5.5	7.5		27	25	23	21	20	18	15
CRM65-20-2	7.5	10		39	36	33	29	26	23	17
CRM65-20-1	11	15		46	44	40	36	33	30	24
CRM65-20	11	15		53	51	47	43	40	37	30
CRM65-30-2	15	20		66	62	56	50	46	41	32
CRM65-30-1	15	20		73	69	63	57	53	48	39
CRM65-30	18.5	25		80	76	70	64	60	55	46
CRM65-40-2	18.5	25		92	87	80	71	66	60	47
CRM65-40-1	22	30		100	94	87	78	73	67	54
CRM65-40	22	30		107	101	94	85	80	74	61
CRM65-50-2	30	40		121	114	105	95	88	80	64
CRM65-50-1	30	40		128	121	112	102	95	87	71
CRM65-50	30	40		136	129	119	109	102	94	78
CRM65-60-2	30	40		150	142	131	118	110	101	81
CRM65-60-1	37	50		157	149	138	125	117	108	88
CRM65-60	37	50		164	156	145	132	124	115	95
CRM65-70-2	37	50		179	169	156	141	132	121	99
CRM65-70-1	37	50		186	176	163	148	139	128	106
CRM65-70	45	60		193	183	170	155	146	135	112
CRM65-80-2	45	60	207	196	182	164	154	142	116	
CRM65-80-1	45	60	215	203	189	171	161	149	123	

## Installation sketch



## Size and weight

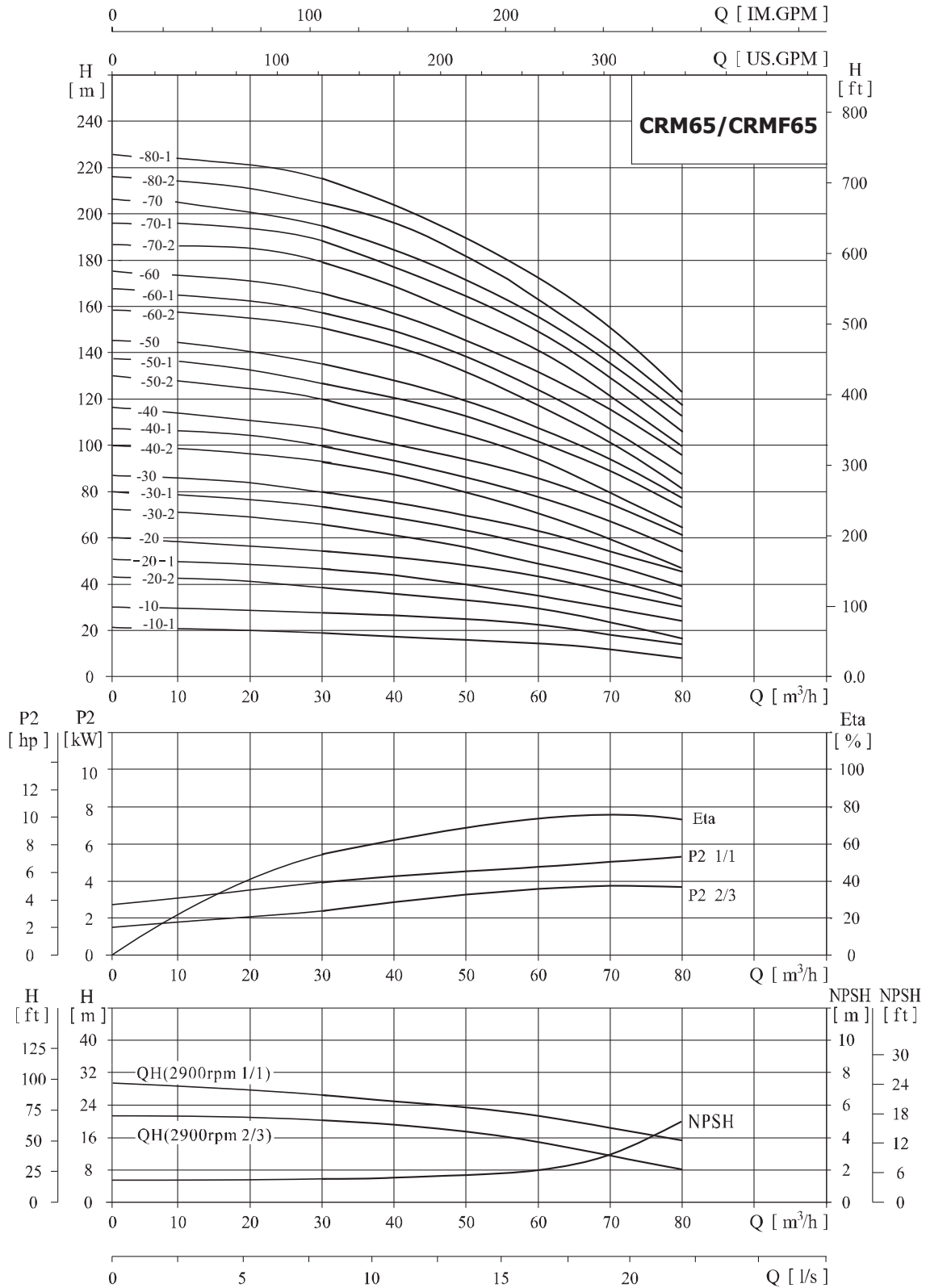
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM65-10-1	561	355	916	230	188	93
CRM65-10	561	390	951	260	208	105
CRM65-20-2	644	390	1034	260	208	110
CRM65-20-1	754	500	1254	330	255	182
CRM65-20	754	500	1254	330	255	182
CRM65-30-2	836	500	1336	330	255	196
CRM65-30-1	836	500	1336	330	255	197
CRM65-30	836	550	1386	330	255	221
CRM65-40-2	919	550	1469	330	255	225
CRM65-40-1	919	575	1494	360	285	258
CRM65-40	919	575	1494	360	285	258
CRM65-50-2	1001	650	1651	400	310	319
CRM65-50-1	1001	650	1651	400	310	319
CRM65-50	1001	650	1651	400	310	320
CRM65-60-2	1084	650	1734	400	310	325
CRM65-60-1	1084	650	1734	400	310	349
CRM65-60	1084	650	1734	400	310	349
CRM65-70-2	1166	650	1816	400	310	353
CRM65-70-1	1166	650	1816	400	310	353
CRM65-70	1166	685	1851	460	340	420
CRM65-80-2	1248	685	1933	460	340	424
CRM65-80-1	1248	685	1933	460	340	424

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

# CRM65/CRMF65, 50Hz

● Performance curve

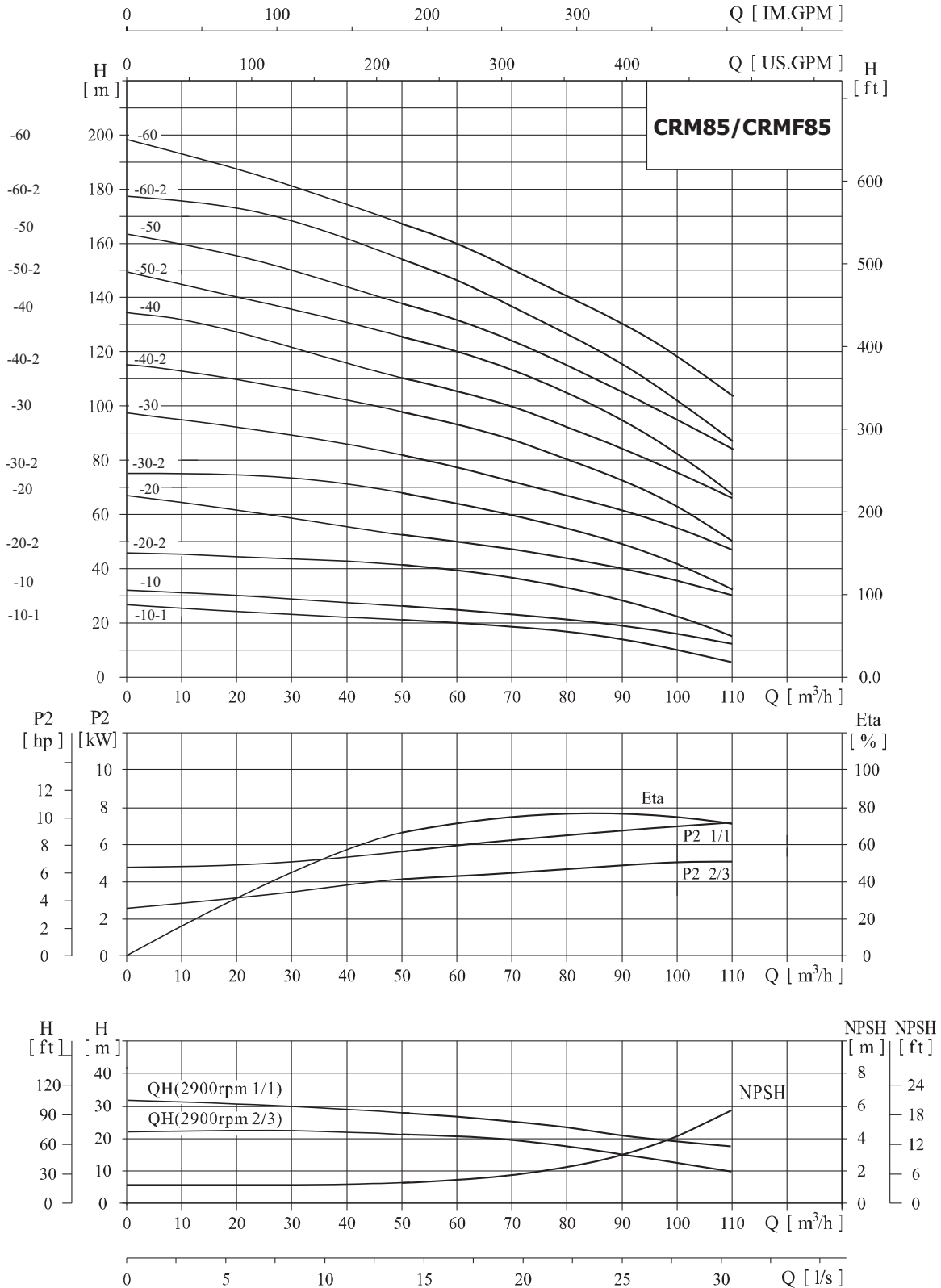
ISO9906 Annex A 2900rpm



# CRM85/CRMF85, 50Hz

● Performance curve

ISO9906 Annex A 2900rpm



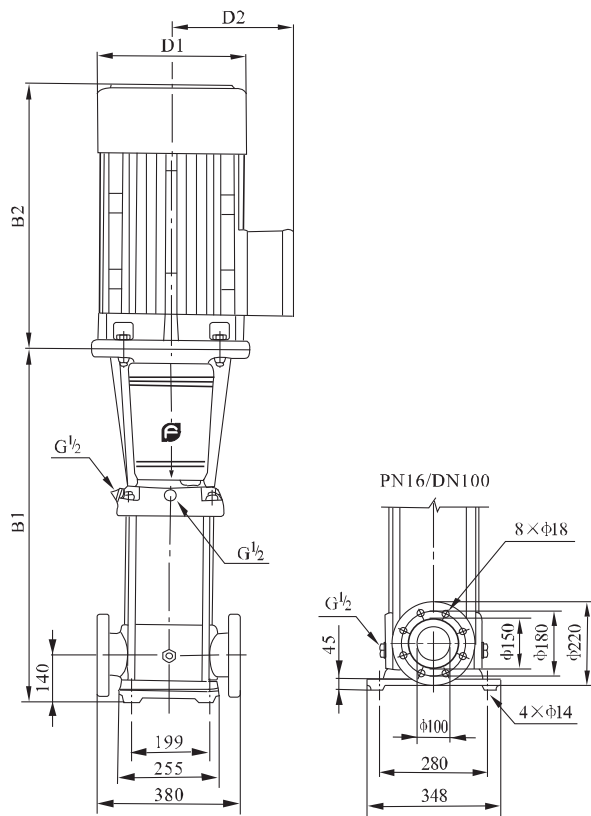


# Technical Data

## ● Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	50	60	70	80	85	90	100	110
	(kW)	(hp)									
CRM85-10-1	5.5	7.5	H (m)	22	19	17	16	14	13	10	6
CRM85-10	7.5	10		25	24	22	21	20	19	16	12
CRM85-20-2	11	15		41	39	36	32	30	28	22	15
CRM85-20	15	20		53	50	47	44	41	40	36	30
CRM85-30-2	18.5	25		68	65	60	55	52	49	41	32
CRM85-30	22	30		81	77	72	67	64	62	55	48
CRM85-40-2	30	40		98	93	87	80	75	72	62	50
CRM85-40	30	40		110	105	100	92	86	84	76	66
CRM85-50-2	37	50		126	120	113	104	98	93	81	68
CRM85-50	37	50		139	131	124	115	110	106	94	83
CRM85-60-2	45	60		155	148	139	129	122	117	102	86
CRM85-60	45	60		168	160	150	141	134	130	117	103

## ● Installation sketch



## ● Size and weight

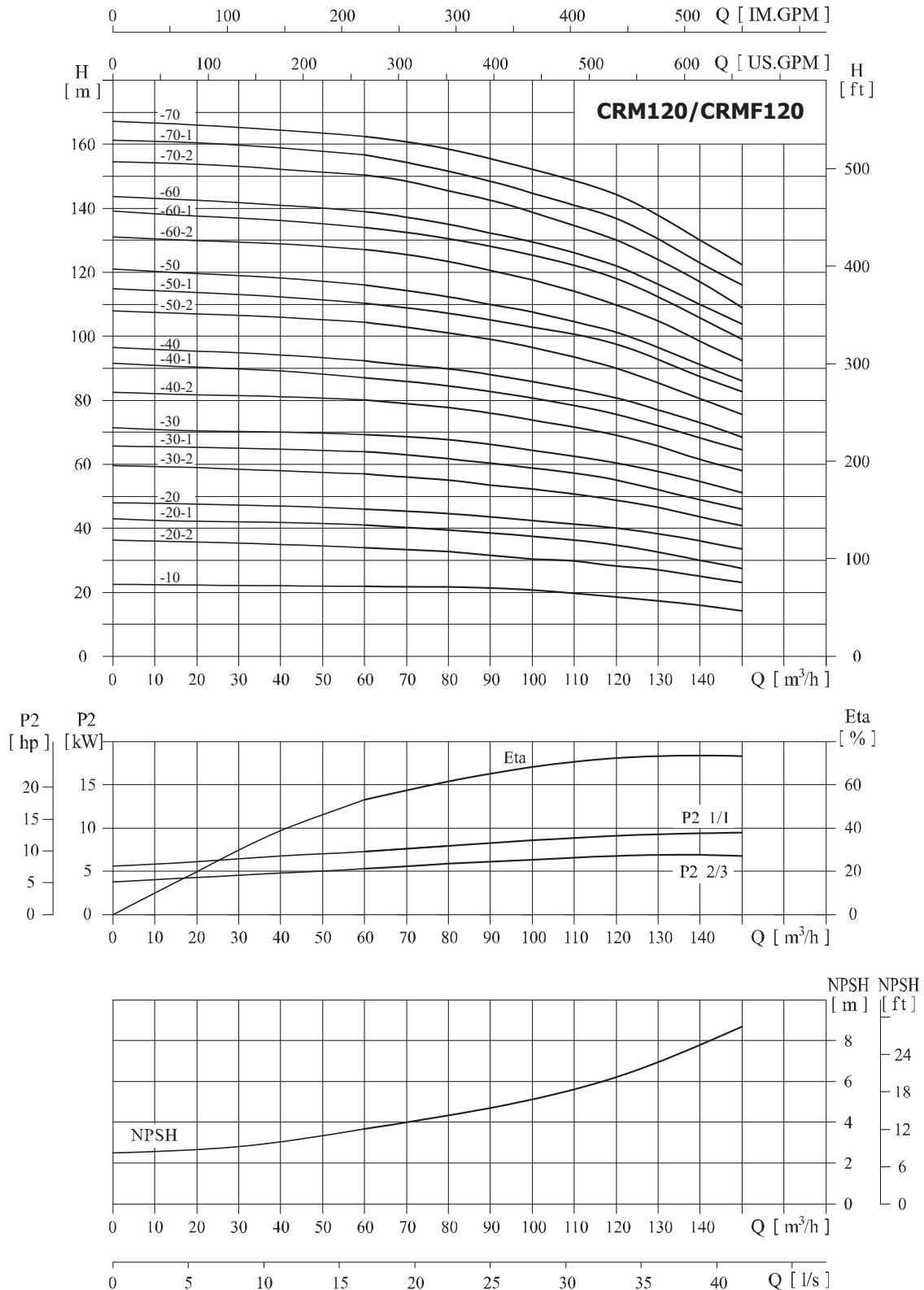
Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM85-10-1	571	390	961	260	208	105
CRM85-10	571	390	961	260	208	110
CRM85-20-2	773	500	1273	330	255	181
CRM85-20	773	500	1273	330	255	192
CRM85-30-2	865	550	1415	330	255	215
CRM85-30	865	575	1440	360	285	252
CRM85-40-2	957	650	1607	400	310	312
CRM85-40	957	650	1607	400	310	312
CRM85-50-2	1049	650	1699	400	310	336
CRM85-50	1049	650	1699	400	310	336
CRM85-60-2	1141	685	1826	460	340	407
CRM85-60	1141	685	1826	460	340	407

The overall dimensions of explosion-proof motor is a little different. Pls contact us for details.  
(For CRM85 series, PN25-40/DN100 standard flange is also available if required)

# CRM120/CRMF120, 50Hz

● Performance curve

ISO9906 Annex A 2950rpm

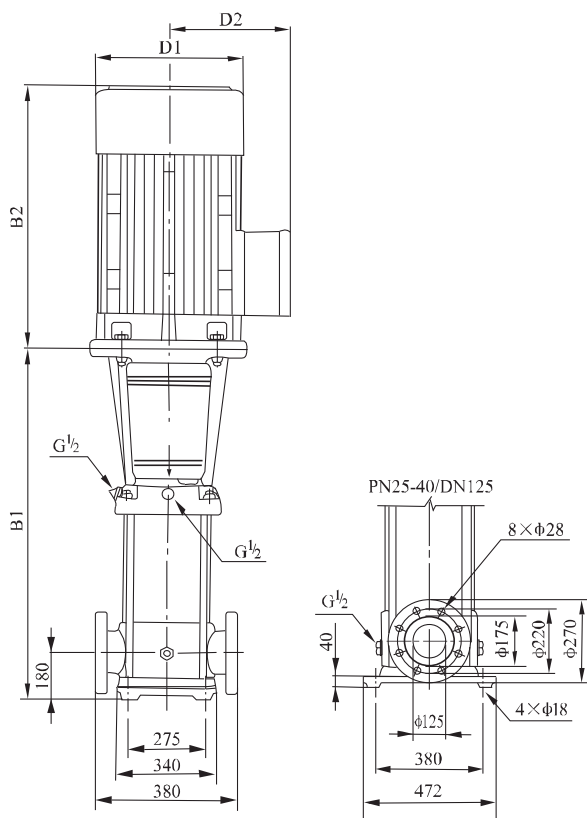


# Technical Data

## ● Performance table

Model	Driving motor		Q (m <sup>3</sup> /h)	60	70	80	90	100	110	120	130	140	150
	(kW)	(hp)											
CRM120-10	11	15	H (m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
CRM120-20-2	15	20		34	33.6	33	31	30.2	30	28.5	27	25	24
CRM120-20-1	18.5	25		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
CRM120-20	22	30		46	45	44.5	43.5	42.4	41	40	38	36	33.5
CRM120-30-2	30	40		57	56	55	53.5	52	51	49	46.5	43.5	41
CRM120-30-1	30	40		64	63	62	60	58.5	57.5	55.5	52	49	46
CRM120-30	30	40		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
CRM120-40-2	37	50		80.5	79	78	76	73.5	72	69	66	61.5	58
CRM120-40-1	37	50		87	86	84.5	82	80	78	76	72	68	64.5
CRM120-40	45	60		92.5	91	90	88	85.5	83	81	77	73	68.5
CRM120-50-2	45	60		104.5	103	101	99	96	93	90	85.5	80.5	75.5
CRM120-50-1	45	60		110.5	109	107.5	105	102	100	97	92	86.5	83
CRM120-50	55	75		115.5	114	113	110	107.5	104.5	101.5	96	91	86
CRM120-60-2	55	75		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5
CRM120-60-1	55	75		134	132	130.5	127	124	121	118	111	105	100
CRM120-60	75	100		139	137	135	132	128.8	126	123	116	110	104
CRM120-70-2	75	100		151	148	145.5	143	138.6	134	130	123.5	116.5	109
CRM120-70-1	75	100		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5
CRM120-70	75	100		162.5	160.5	158.5	155	151	148	145	137	129	123

## ● Installation sketch



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

## ● Size and weight

Model	Size (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
CRM120-10	840	500	1340	330	255	230
CRM120-20-2	1000	500	1500	330	255	245
CRM120-20-1	1000	550	1550	330	255	250
CRM120-20	1000	575	1575	360	285	285
CRM120-30-2	1160	650	1810	400	310	360
CRM120-30-1	1160	650	1810	400	310	360
CRM120-30	1160	650	1810	400	310	360
CRM120-40-2	1320	650	1970	400	310	400
CRM120-40-1	1320	650	1970	400	310	400
CRM120-40	1320	685	2005	460	340	460
CRM120-50-2	1480	685	2165	460	340	470
CRM120-50-1	1480	685	2165	460	340	470
CRM120-50	1510	760	2270	540	370	575
CRM120-60-2	1670	760	2430	540	370	585
CRM120-60-1	1670	760	2430	540	370	585
CRM120-60	1670	845	2515	580	410	705
CRM120-70-2	1830	845	2675	580	410	715
CRM120-70-1	1830	845	2675	580	410	715
CRM120-70	1830	845	2675	580	410	715



**PT. ALVA DIWIPA ANUGERAH**  
Specialist Domestic & Industrial Pump's