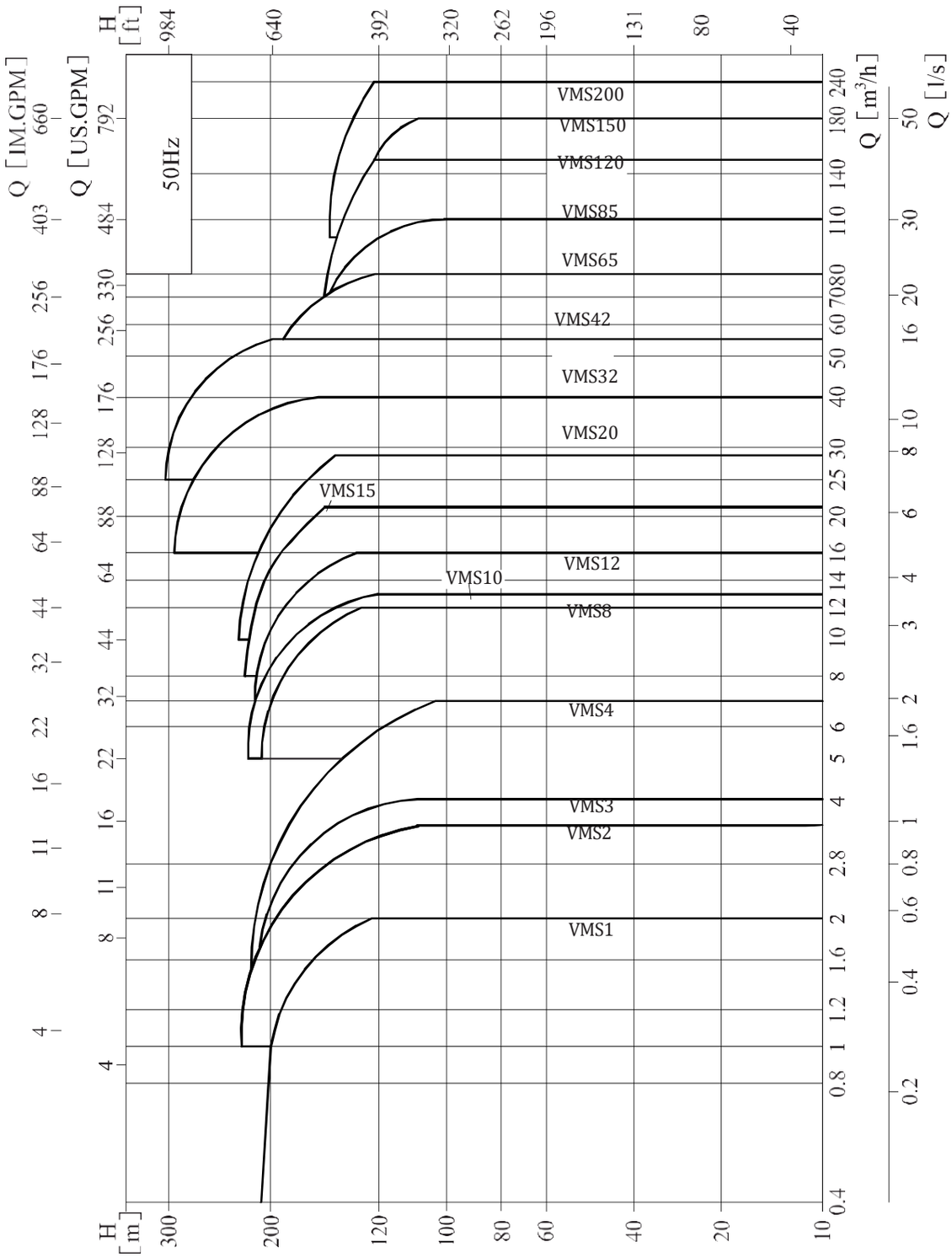
VMS/VMC Series

Light Vertical Multistage Centrifugal Pump

50 Hz

General Data

Performance scope



Description	VMS 1	VMS 2	VMS 3	VMS 4	VMS 8	VMS 10	VMS 12	VMS 15	VMS 20	VMS 32	VMS 42	VMS 65	VMS 85	VMS 120	VMS 150	VMW 200
Rate flow[m³/h]	1	2	3	4	8	10	12	15	20	32	42	65	85	120	150	200
Rate flow[l/s]	0.28	0.56	0.83	1.1	2.2	2.78	3.3	4.17	5.6	8.9	11.7	18	24	33	41.6	55.6
Flow range[m³/h]	0.4-2	1-3.5	1.2-4	1.5-7	5-Dec	May-13	Jul-16	Aug-22	Oct-28	16-40	25-55	30-80	50-110	60-150	80-180	100-240
Flow range[l/s]	0.11-0.56	0.28-0.97	0.33-1.1	0.42-1.9	1.4-3.3	1.4-3.61	1.9-44	2.2-6.1	2.8-7.8	4.4-11.1	6.9-15.3	8.3-22.2	13.8-30.5	16.7-41.7	22-50	27.8-66.7
MAX. pressure[bar]	21	23	22	21	21	22	22	22	23	29	30	22	17	16	16	16
Motor power[kW]	0.37-2.2	0.37-3	0.37-3	0.37-4	0.75-7.5	0.75-7.5	1.5-11	1.1-15	1.1-18.5	1.5-30	3.0-45	4.0-45	5.5-45	Nov-75	Nov-75	18.5-110
Temp[°C]	-15~+120															
MAX. efficiency[%]	44	46	54	57	62	68	63	70	69	73	75	76	77	74	73	79
Type																
VMS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMS Pipelines																
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Oval Flange	G1	G1	G	G1 1/4	G1 1/2	G1 1/2										
VMC Pipelines																
DIN Flange	DN25	DN25	DN25	DN32	DN40	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Cutting ferrule joint	DN32	DN32	DN32	DN32	DN50	DN50	DN50	DN50	DN50							
Pipe thread	ZG1 1/4	ZG1 1/4	ZG1 1/4	ZG1 1/4	ZG2	ZG2	ZG2	ZG2	ZG2							
Oval Flange	G1	G1	G	G1 1/4	G1 1/2	G1 1/2										

General Data

Pump

VMS / VMC is a vertical non-self priming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft is 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
- Ilnsulation class: F
- Standard voltage:50Hz: 1 x 220-230 / 240V
  3 X 200-220 / 346-380V
  3 x 220-240 / 380-415V
  3 x 380-41SV

Application

VMS / VMC is a multifunctional product.
It can be used to convey various medium from tap water to industrial liquid at different temperature and with different flow rate and pressure. VMC type is applicable to conveying non-corrosive liquid, while VMS 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, dripping inigation.

Operation conditions

- Thin, clean, non-flammable and non-explosive liquid containing no solid granules and fibers.
- Liquid temperature:

Normal temperature type: -1S"C+70°C, Hot water type: -IS °C+J20 °C

- Ambient temperature: up to +40°C
- Altitude:up to 1000m

Definition of Model

VMS/VMC 1,2,3,4,8,10,12,15 & 20

VM S 8 — 2 / 1

- Number of impeller
- Stage
- Rated flow (m^3/h)
- (Common type omitted) Flow passage components are of stainless steel 304 or 316L
- Light vertical multistage centrifugal pump

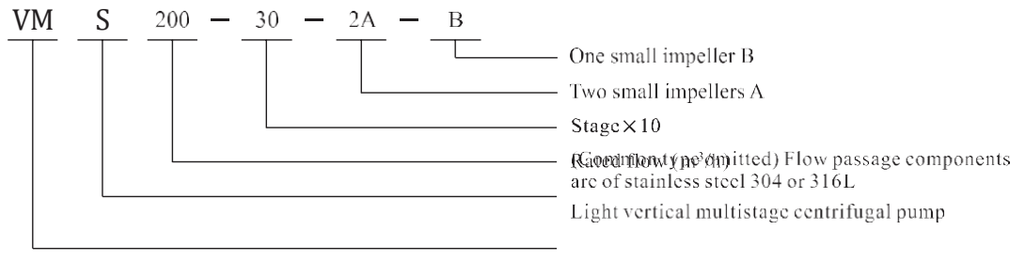
VMS/VMC 32,42,65,85,120 & 150

VM S 32 30 2

- Number of small impeller
- Stage×10
- Rated flow (m^3/h)
- (Common type omitted) Flow passage components are of stainless steel 304 or 316L
- Light vertical multistage centrifugal pump

General Data

VMS/VMC 200



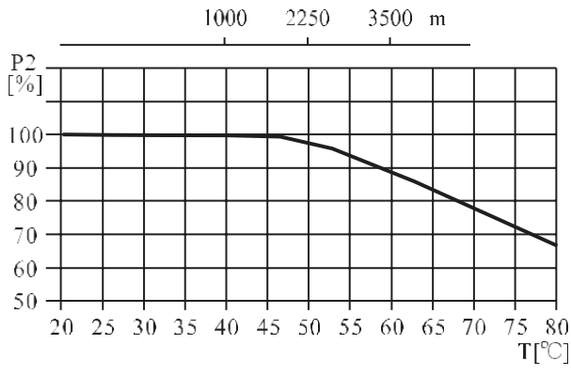
Max Working pressure

Model	Max. pressure[bar]
VMC 1,2,3,4, Flange	25
VMS/C 1,2,3,4, Over Glange	16
VMS 1,2,3,4 Flange, cutting ferrule joint, pipe thread	25
VMC 8,10,12,15,20 Flange	25
VMS/C 8 Over Flance	16
VMS 8,10,12,15,20 Flange, cutting ferrule joint, pipe thread	25
VMC 32	
32-10-1 ~ 32-80 32-90-2 ~ 32-160	16(30) 30
VMS 32	30
VMC 42	
42-10-1 ~ 40-60-2 42-60 ~ 42-90 42-100-2 ~ 42-130-2	16(30) 25(30) 30
VMS 42	
42-10-1 ~ 42-90 42-100-2 ~ 42-130-2	25(30) 30
VMC 65	
65-10-1 ~ 65-50-2 65-50-1 ~ 65-80-1	16(25) 25
VMC 85	
85-10-1 ~ 85-40-2 85-40 ~ 85-60	16(25) 25
VMS 65,85	25
VMC, VMS 120,150,200	20

Pump with pressure inside brackets need to specify especially.

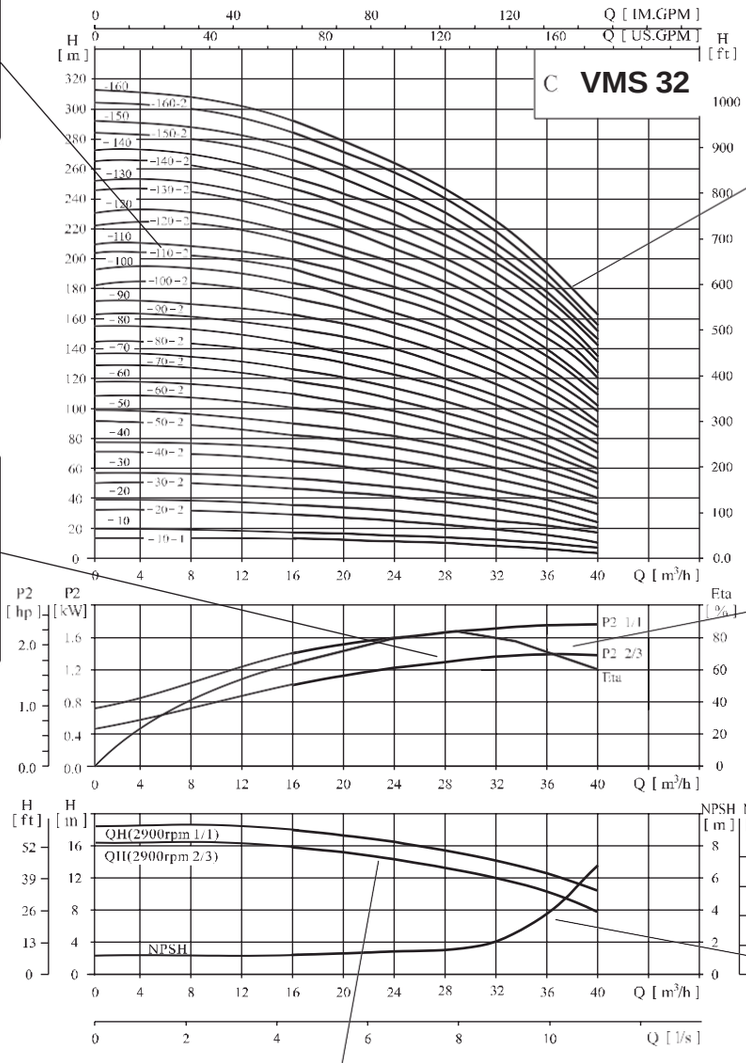
Max. Ambient temperature

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



Curve illustration

Stage
First number:
Stage×10
Second number:
Number of small impeller



Pump Q-H curve, the thickened line presents recommended performance region

The power curve presents the input power of each stage, which is divided into integrate impeller type(1/1) and the type with small impeller (2/3)

Eta curve presents efficiency of the pump, For the pump equipped with small impeller, its efficiency will be 2% lower than that shown by the curve.

NPSH curve expresses the average value of all curves of this series. A safety margin of 0.5m shall be taken into consideration when making selection.

The Q-H curve of each stage, presenting integrate impeller type(1/1)and the type equipped with small impeller(2/3).

Performance curve

Following conditions are suitable for the performance curves shown below:

1. All curves are based on the measured values of 50Hz: constant motor speed 2900rpm or 2950rpm.
2. Curve tolerance in conformity to 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 prevent overheating due to too small flow rate or overload of motor due to too large flow rate.

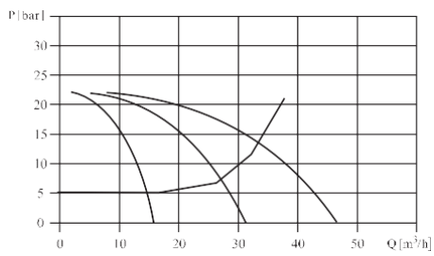
General Data

Minimum inlet pressure NPSH

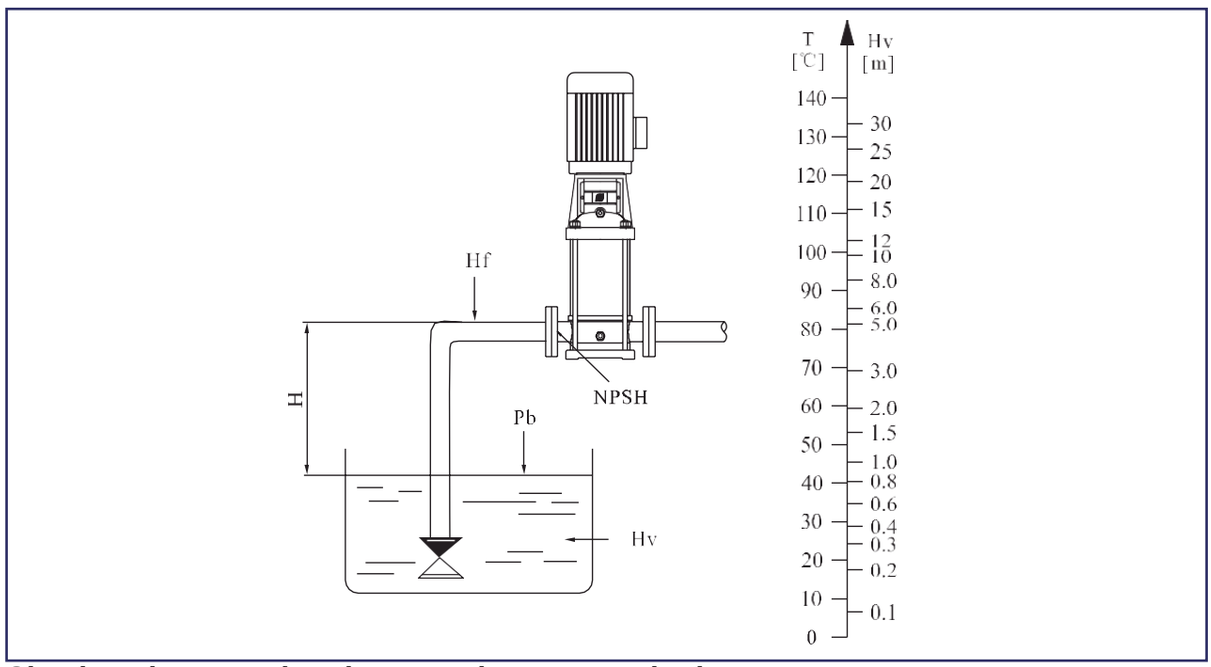
In case that the pressure in pump is lower than the steam pressure used to convey liquid, the cavitations will occur. To avoid cavitations, a minimum pressure at the inlet side of the pump shall be guaranteed.
The maximum suction stroke can be calculated with following formula:
H=PbX 10.2-NPSH-Hf-Hv-Hs
Pb=atmosphere pressure [bar]
(can be set as 1 bar)
In a closed system, Pb 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)
Hf=Pipeline loss at the inlet [rn]
Hv=Steam pressure [m]
Hs=Safety margin=Minimum 0.5m delivery head
If the calculated result is positive, the pump may run under the max. Suction stroke H.
In case the calculated result 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.



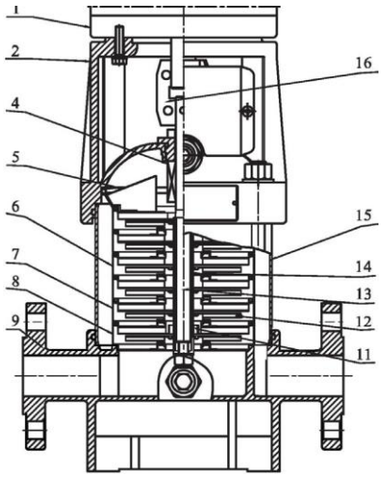
Two pumps or more can be connected in parallel running if necessary.



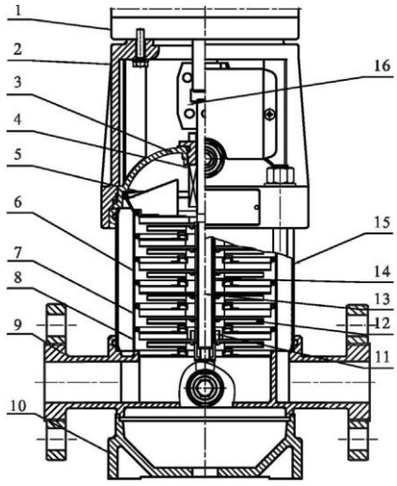
Check and ensure that the pump is not at cavitation state

General Data

Section drawing VMS/VMC 1,2,3,4



VMS



VMC

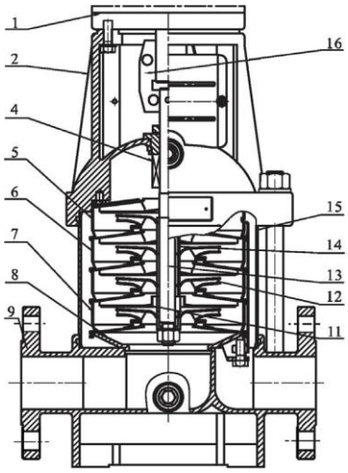
Material VMS/VMC 1,2,3,4

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

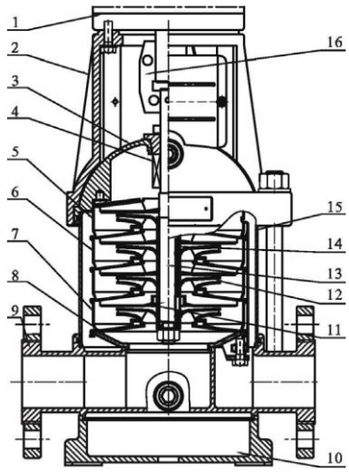
NO.	Name	Material	AISI/ASTM
14	Impeller sleeve	Stainless steel	AISI304
15	Cylinder	Stainless steel	AISI304
16	Coupling	Carbon steel	
VMS			
3	Seal base	Stainless steel	AISI304
9	Inlet and outlet chamber	Stainless steel	AISI304
10	Baseplate	Cast iron	ASTM25B
VMC			
9	Inlet and outlet chamber	Cast iron	ASTM25B

General Data

Section drawing VMS/VMC 8,10,12,15,20



VMS



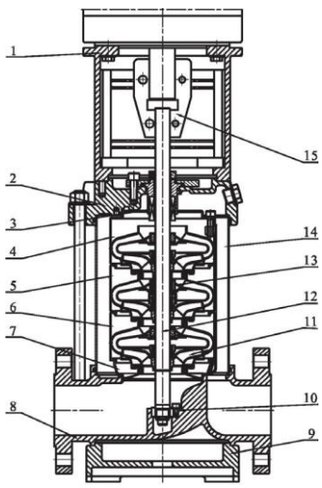
VMC

Material VMS/VMC 8,10,12,15,20

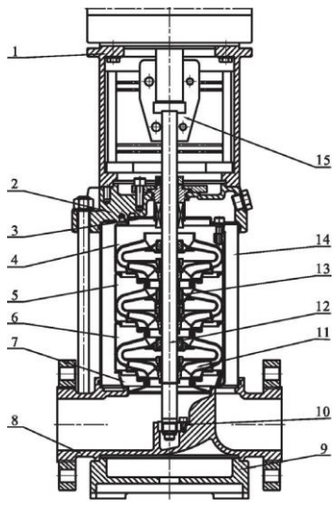
NO.	Name	Material	AISI/ASTM
1	Motor		
2	Pump head	Cast Iron	ASTM25B
4	Mechanical seal		
5	Top diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Support diffuser	Stainless steel	AISI304
8	Inducer	Stainless steel	AISI304
11	Bearing	Tungsten carbide	
12	Impeller	Stainless steel	AISI304
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	
VMS			
3	Seal base	Stainless steel	AISI304
9	Inlet and outlet chamber	Stainless steel	AISI304
10	Baseplate	Cast iron	ASTM25B
VMC			
9	Inlet and outlet chamber	Cast iron	ASTM25B

Section drawing VMS/VMC 32,42,65,85



VMS



VMC

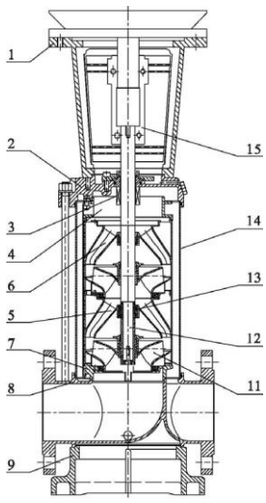
Material VMS/VMC 32,42,65,85

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
12	Shaft	Stainless steel	AISI304 AISI316L AISI431

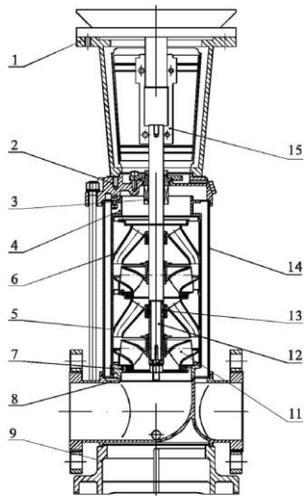
NO.	Name	Material	AISI/ASTM
13	Intermediate bearing	Tungsten Carbide	AISI304
14	Cylinder	Stainless steel	AISI304
15	Coupling	Carbon steel	
	Rubber parts	NBR	
VMS			
2	Pump head	Stainless steel	AISI304
8	Inlet and outlet chamber	Stainless steel	AISI304
VMC			
2	Pump head	Cast iron	ASTM25B
8	Inlet and outlet chamber	Cast iron	ASTM25B

General Data

Section drawing VMS/VMC 120,150,200



VMS



VMC

Material VMS/VMC 120,150,200

NO.	Name	Material	AISI/ASTM
1	Bracket	Cast Iron	ASTM25B
3	Mechanical seal		
4	Discharge	Stainless steel	AISI304
5	Support diffuser	Stainless steel	AISI304
6	Diffuser	Stainless steel	AISI304
7	Inducer	Stainless steel	AISI304
9	Base plate	Cast Iron	ASTM 80-55-06
11	Impeller	Stainless steel	AISI304
12	Shaft	Stainless steel	AISI304

NO.	Name	Material	AISI/ASTM
13	Bearing	Tungsten Carbide	AISI304
14	Cylinder	Stainless steel	AISI304
15	Coupling	Carbon steel	
	Rubber parts	NBR	
VMS			
2	Pump head	Stainless steel	AISI304
8	Inlet and outlet chamber	Stainless steel	AISI304
VMC			
2	Pump head	Cast iron	ASTM 80-55-06
8	Inlet and outlet chamber	Cast iron	ASTM 80-55-06

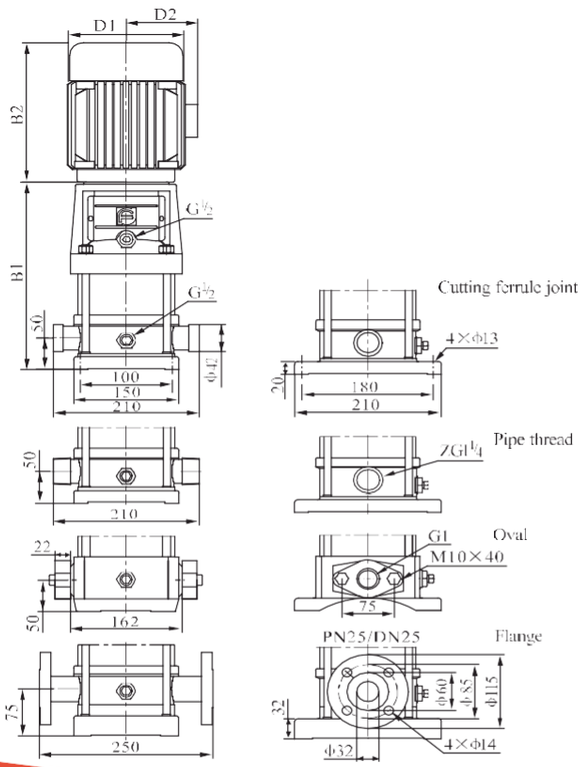
General Data

Performance

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

Installation

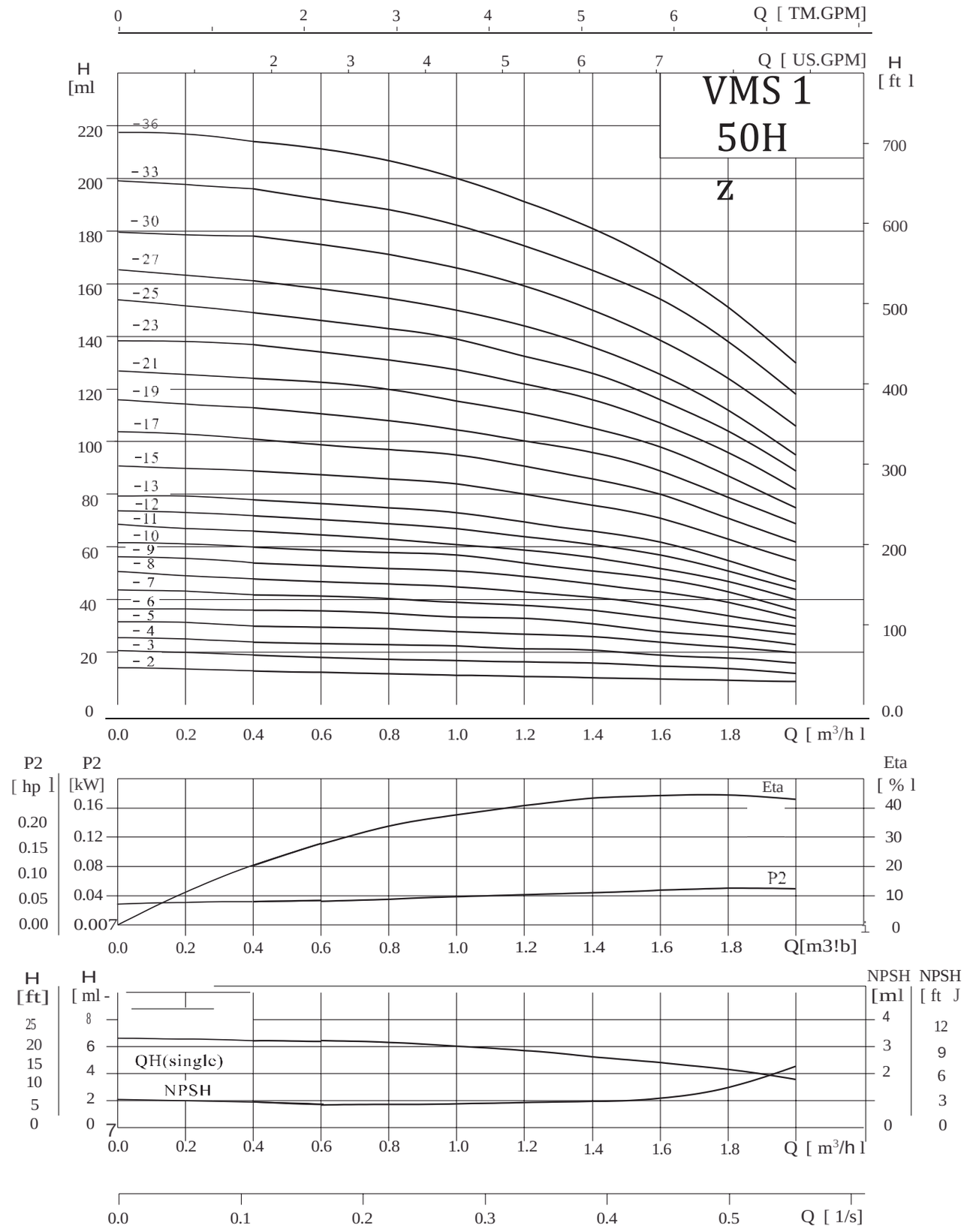
Dischage 32mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 1-2	258	225	483	148	117	20
VMS 1-3	276	225	501	148	117	20
VMS 1-4	294	225	519	148	117	21
VMS 1-5	312	225	537	148	117	21
VMS 1-6	330	225	555	148	117	22
VMS 1-7	348	225	573	148	117	23
VMS 1-8	366	225	591	148	117	24
VMS 1-9	384	225	609	148	117	25
VMS 1-10	402	225	627	148	117	26
VMS 1-11	420	225	645	148	117	26
VMS 1-12	448	245	693	170	1425	29
VMS 1-13	466	245	711	170	142	30
VMS 1-15	502	245	747	170	142	31
VMS 1-17	538	245	783	170	142	33
VMS 1-19	574	245	819	170	142	34
VMS 1-21	610	245	855	170	142	35
VMS 1-23	646	245	891	170	142	36
VMS 1-25	692	290	982	190	155	42
VMS 1-27	728	290	1018	190	155	43
VMS 1-30	782	290	1072	190	155	45
VMS 1-33	836	290	1126	190	155	49
VMS 1-36	890	290	118	190	115	51

Performance Curve

4:1c AQUA



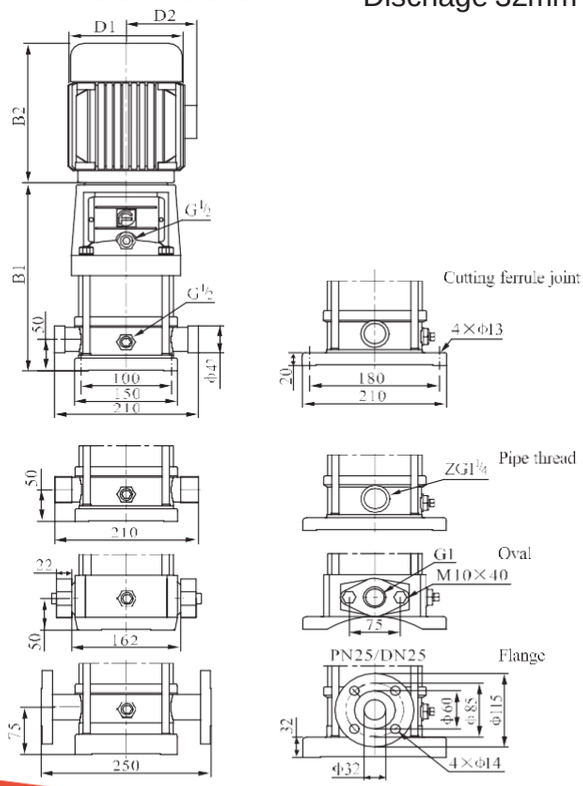
General Data

Performance

Pump Type	Motor		Q=DELIVERY								
	kW	Hp	m³/h	1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5
VMS 2-2	0.37	0.5		18	17	16	15	13	12	10	8
VMS 2-3	0.37	0.5		27	26	24	22	20	18	15	12
VMS 2-4	0.55	0.75		36	35	33	30	26	24	20	16
VMS 2-5	0.55	0.75		45	43	40	37	33	30	24	20
VMS 2-6	0.75	1		53	52	50	45	40	36	30	24
VMS 2-7	7.5	1		63	61	57	52	47	41	35	28
VMS 2-9	1.1	1.5	H (m)	80	78	73	67	61	54	45	37
VMS 2-11	1.1	1.5		98	95	89	82	73	64	54	44
VMS 2-13	1.5	2		116	114	106	98	89	78	65	52
VMS 2-15	1.5	2		134	130	123	112	100	90	73	60
VMS 2-18	2.2	3		161	157	148	136	121	108	91	76
VMS 2-22	2.2	3		197	92	180	165	148	130	110	90
VMS 2-26	3	4		232	228	214	197	179	158	130	110

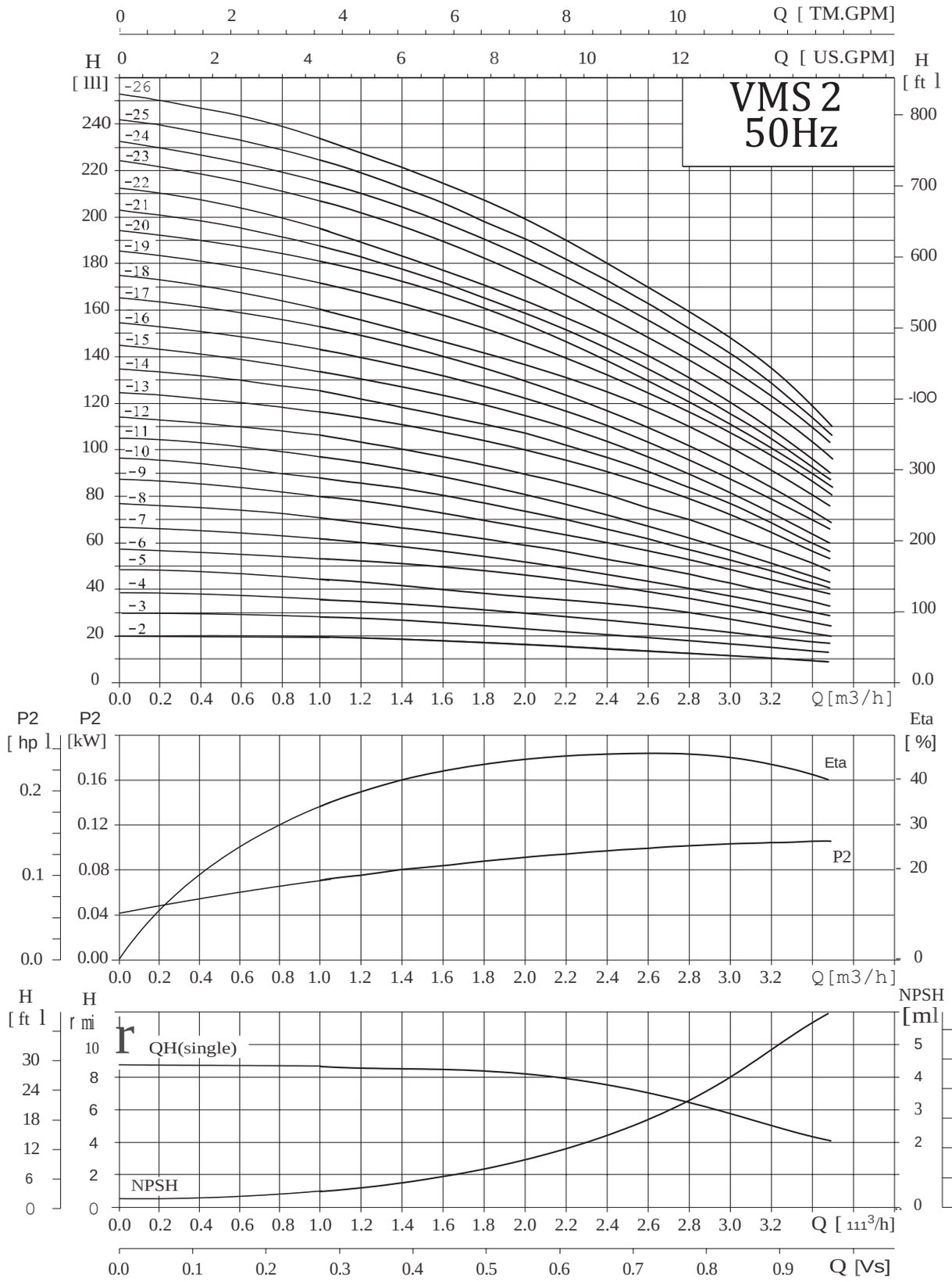
Installation

Dischage 32mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 2-2	258	225	483	148	117	20
VMS 2-3	276	225	501	148	117	20
VMS 2-4	294	225	519	148	117	22
VMS 2-5	312	225	537	148	117	23
VMS 2-6	340	245	585	170	142	26
VMS 2-7	358	245	603	170	142	26
VMS 2-9	394	245	639	170	142	28
VMS 2-11	430	245	675	170	142	29
VMS 2-13	476	290	766	190	155	35
VMS 2-15	512	290	802	190	155	36
VMS 2-18	566	290	856	190	155	41
VMS 2-22	638	290	928	190	155	42
VMS 2-26	720	345	1065	197	165	52

Performance Curve



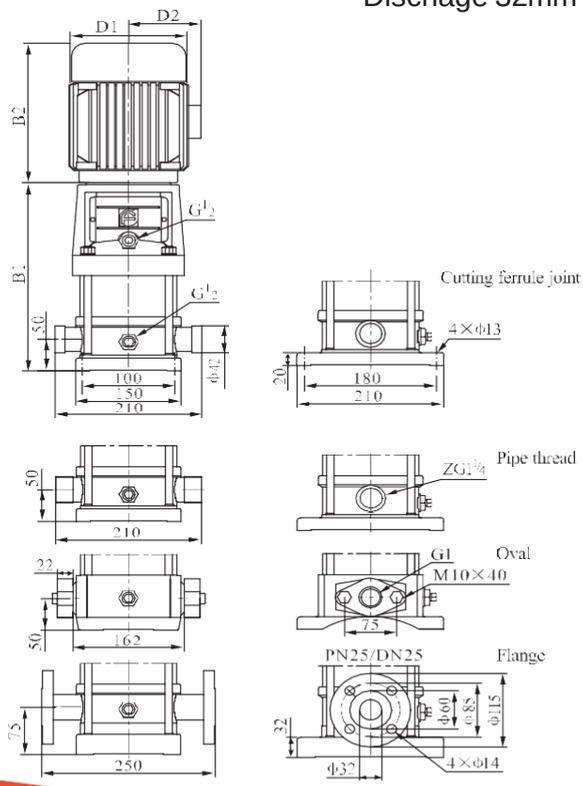
General Data

Performance

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

Installation

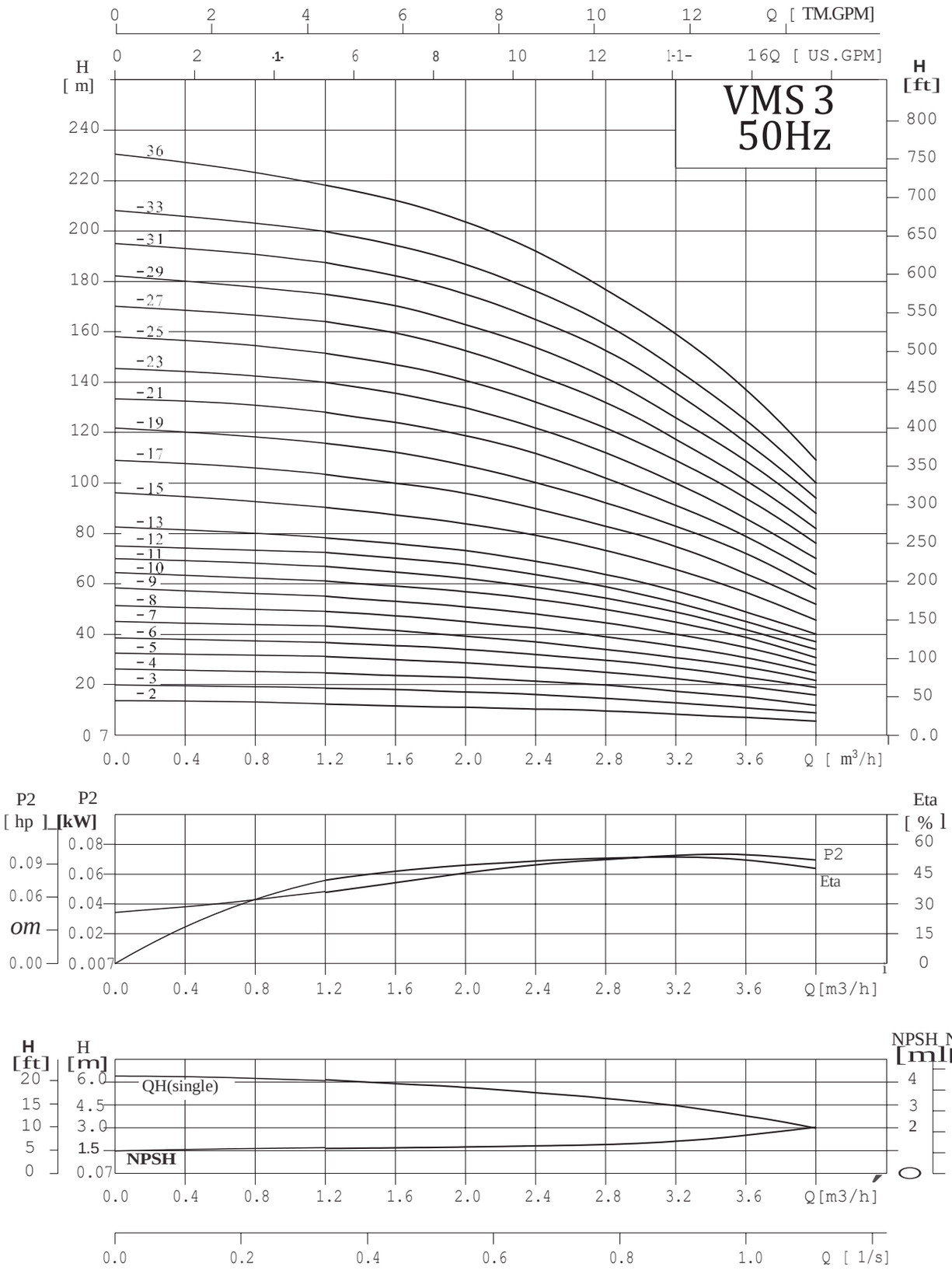
Dischage 32mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 3-2	258	225	483	148	117	20
VMS 3-3	276	225	501	148	117	20
VMS 3-4	294	225	519	148	117	21
VMS 3-5	312	225	537	148	117	21
VMS 3-6	330	225	555	148	117	23
VMS 3-7	348	225	573	148	117	24
VMS 3-8	376	245	621	170	142	27
VMS 3-9	394	245	639	170	142	28
VMS 3-10	412	245	657	170	142	28
VMS 3-11	430	245	675	170	142	29
VMS 3-12	448	245	693	170	142	30
VMS 3-13	466	245	711	170	142	31
VMS 3-15	502	245	747	170	142	32
VMS 3-17	548	290	838	190	155	38
VMS 3-19	584	290	874	190	155	39
VMS 3-21	620	290	910	190	155	42
VMS 3-23	656	290	946	190	155	43
VMS 3-25	692	290	982	190	155	44
VMS 3-27	728	290	1018	190	155	45
VMS 3-29	764	290	1054	190	155	46
VMS 3-31	810	345	1155	197	165	54
VMS 3-33	846	345	1191	197	165	55
VMS 3-36	900	345	1245	197	165	57

Performance Curve

4:1c AQUA



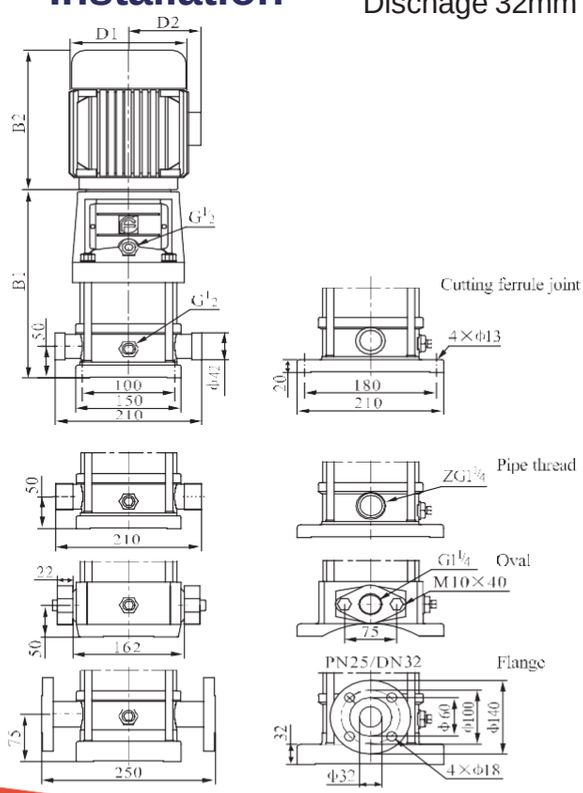
General Data

Performance

Pump Type	Motor		Q=DELIVERY							
	kW	Hp	m³/h	1.5	2.0	3.0	4.0	5.0	6.0	7.0
VMS 4-2	0.37	0.5	H (m)	19	18	17	15	13	10	8
VMS 4-3	0.55	0.75		28	27	26	24	20	18	13
VMS 4-4	0.75	1		8	36	34	32	27	24	9
VMS 4-5	1.1	1.5		47	45	43	40	34	31	23
VMS 4-6	1.1	1.5		56	54	52	48	41	37	28
VMS 4-7	1.5	2		66	63	61	56	48	53	33
VMS 4-8	1.5	2		74	72	70	64	55	50	38
VMS 4-10	2.2	3		96	90	87	81	71	62	48
VMS 4-12	2.2	3		114	108	104	95	85	75	58
VMS 4-14	3	4		136	126	122	112	101	89	68
VMS 4-16	3	4		152	144	140	129	115	101	78
VMS 4-19	4	5.5		183	171	168	153	137	122	93
VMS 4-22	4	5.5		211	200	192	178	160	138	108

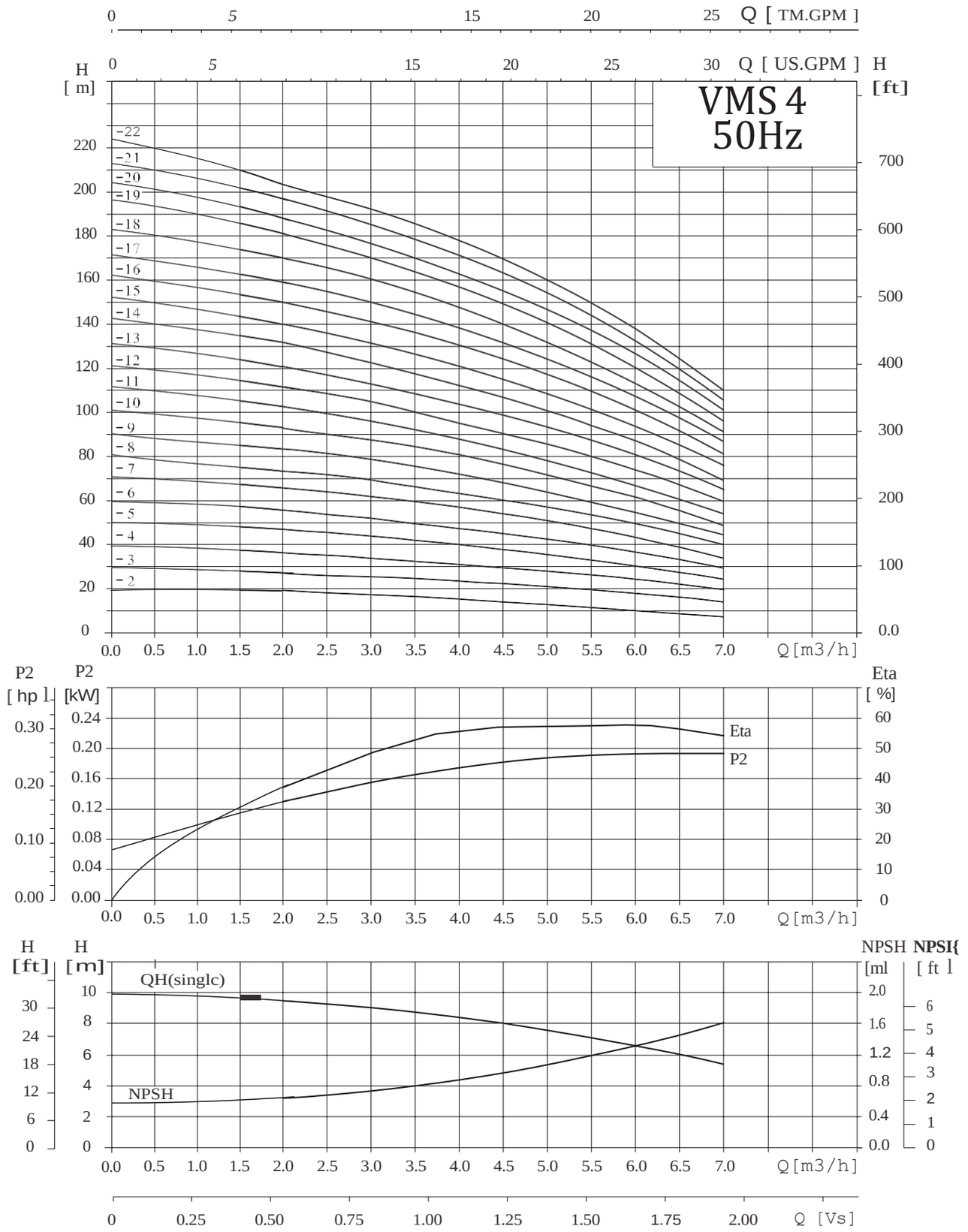
Installation

Dischage 32mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS4-2	276	225	501	148	117	21
VMS4-3	303	225	528	148	117	22
VMS4-4	340	245	585	170	142	25
VMS4-5	367	245	612	170	142	27
VMS4-6	394	245	639	170	142	27
VMS4-7	431	290	721	190	155	33
VMS4-8	458	290	748	190	155	33
VMS4-10	512	290	802	190	155	37
VMS4-12	566	290	856	190	155	38
VMS4-14	630	345	975	197	165	46
VMS4-16	684	345	102	197	165	48
VMS4-19	765	355	1120	230	188	57
VMS4-22	846	355	1201	230	188	59

Performance Curve



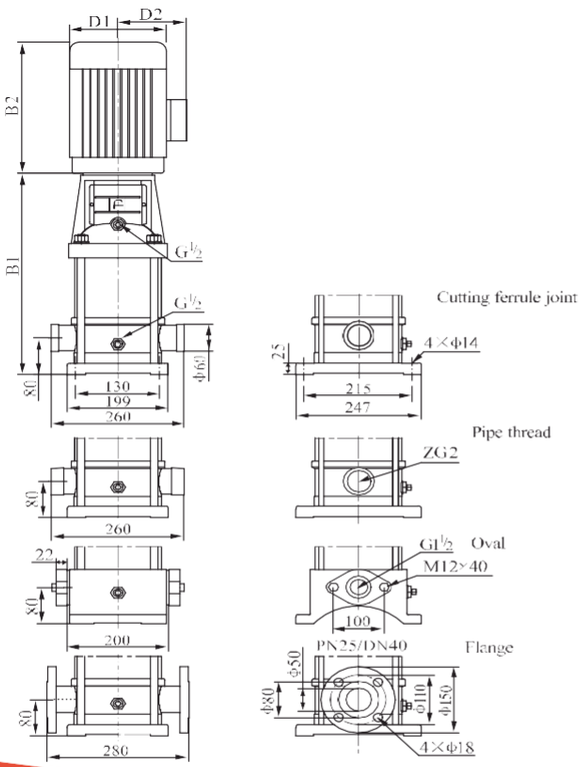
General Data

Performance

Pump Type	Motor		Q=DELIVERY								
	kW	Hp	m³/h	5	6	7	8	9	10	11	12
VMS 8-2/1	0.75	1		10	10	9	9	9	8	7	6
VMS 8-2	0.75	1		20	20	19	18	17	16	14	13
VMS 8-3	1.1	1.5		30	30	29	27	25	24	21	19
VMS 8-4	1.5	2		41	40	38	36	34	32	28	26
VMS 8-5	2.2	3		52	50	48	45	42	40	36	32
VMS 8-6	2.2	3		62	60	57	54	51	48	43	39
VMS 8-8	3	4	H (m)	83	80	77	73	69	65	58	52
VMS 8-10	4	5.5		104	100	97	92	87	81	73	65
VMS 8-12	4	5.5		124	120	116	111	104	92	87	78
VMS 8-14	5.5	7.5		145	141	136	130	122	113	102	92
VMS 8-16	5.5	7.5		166	161	156	148	139	130	118	106
VMS 8-18	7.5	10		187	182	175	167	157	146	134	120
VMS 8-20	7.5	10		208	202	195	186	175	163	150	135

Installation

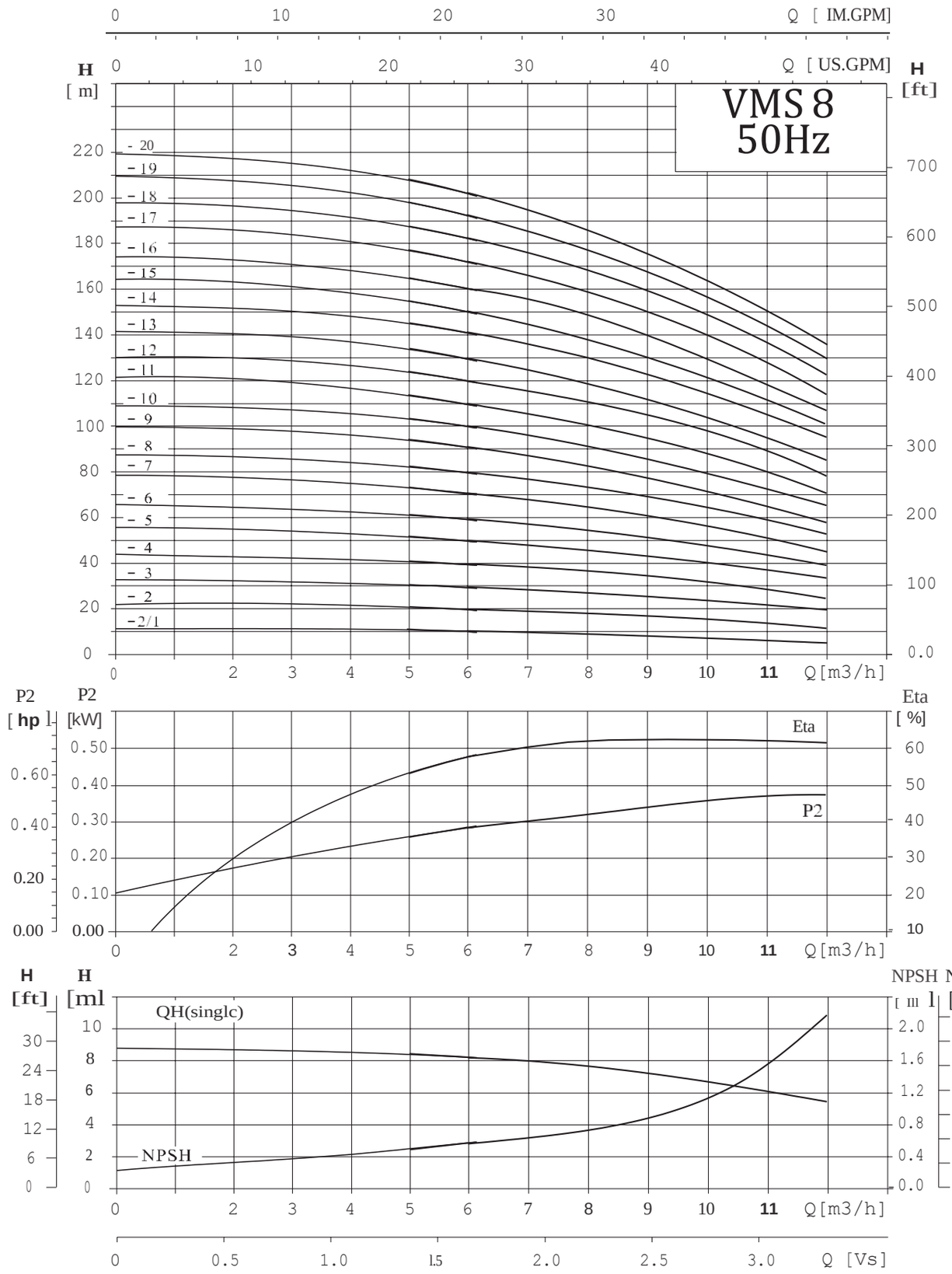
Dischage 50mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 8-2/1	347	245	592	170	142	32
VMS 8-2	347	245	592	170	142	32
VMS 8-3	377	245	622	170	142	34
VMS 8-4	417	290	707	190	155	40
VMS 8-5	447	290	737	190	155	44
VMS 8-6	477	290	767	190	155	45
VMS 8-8	547	345	892	197	165	53
VMS 8-10	607	355	962	230	188	64
VMS 8-12	667	355	1022	230	188	66
VMS 8-14	747	390	1137	260	208	81
VMS 8-16	807	390	1197	260	208	84
VMS 8-18	867	390	1257	260	208	93
VMS 8-20	927	390	1317	260	208	94

Performance Curve

4:1c AQUA



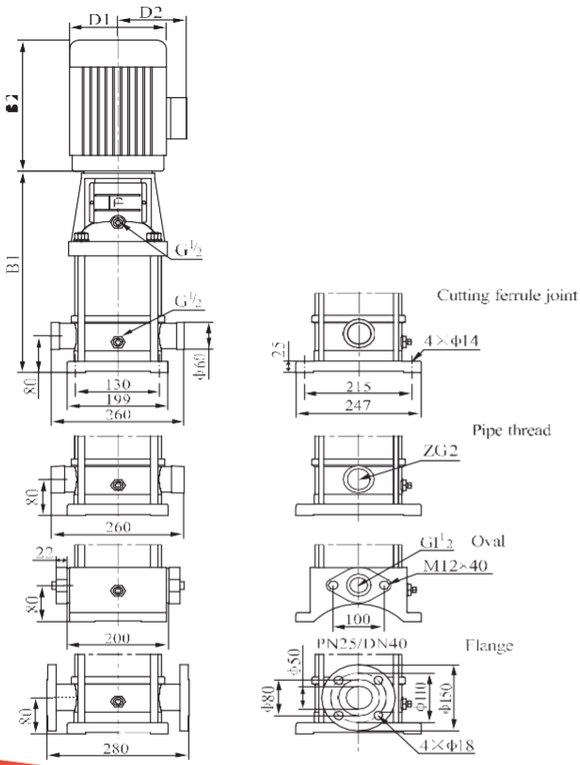
General Data

Performance

Pump Type	Motor		Q=DELIVERY									
	kW	Hp	m³/h	5	6	7	8	9	10	11	12	13
VMS 10-1	0.75	1		10	9	9	8	8	7	6	5	4
VMS 10-2	0.75	1		20	19	18	17	16	15	14	12	10
VMS 10-3	1.1	1.5		30	29	28	27	25	23	21	18	16
VMS 10-4	1.5	2		40	39	38	36	34	31	25	25	22
VMS 10-5	2.2	3		50	49	47	44	42	39	35	32	28
VMS 10-6	2.2	3		60	58	56	54	51	48	43	39	34
VMS 10-7	3	4		70	68	66	63	60	56	51	45	39
VMS 10-8	3	4	H (m)	80	78	75	73	69	64	58	52	44
VMS 10-9	3	4		90	87	58	81	77	72	66	58	50
VMS 10-10	4	5.5		100	97	95	90	85	80	74	66	56
VMS 10-12	4	5.5		120	117	114	109	104	96	89	79	68
VMS 10-14	5.5	7.5		140	137	134	129	122	113	103	92	79
VMS 10-16	5.5	7.5		160	158	153	148	140	129	119	106	91
VMS 10-18	7.5	10		180	117	172	166	156	145	133	119	102
VMS 10-20	7.5	10		200	196	191	184	173	162	147	132	114
VMS 10-22	7.5	10		220	216	210	202	190	178	162	145	126

Installation

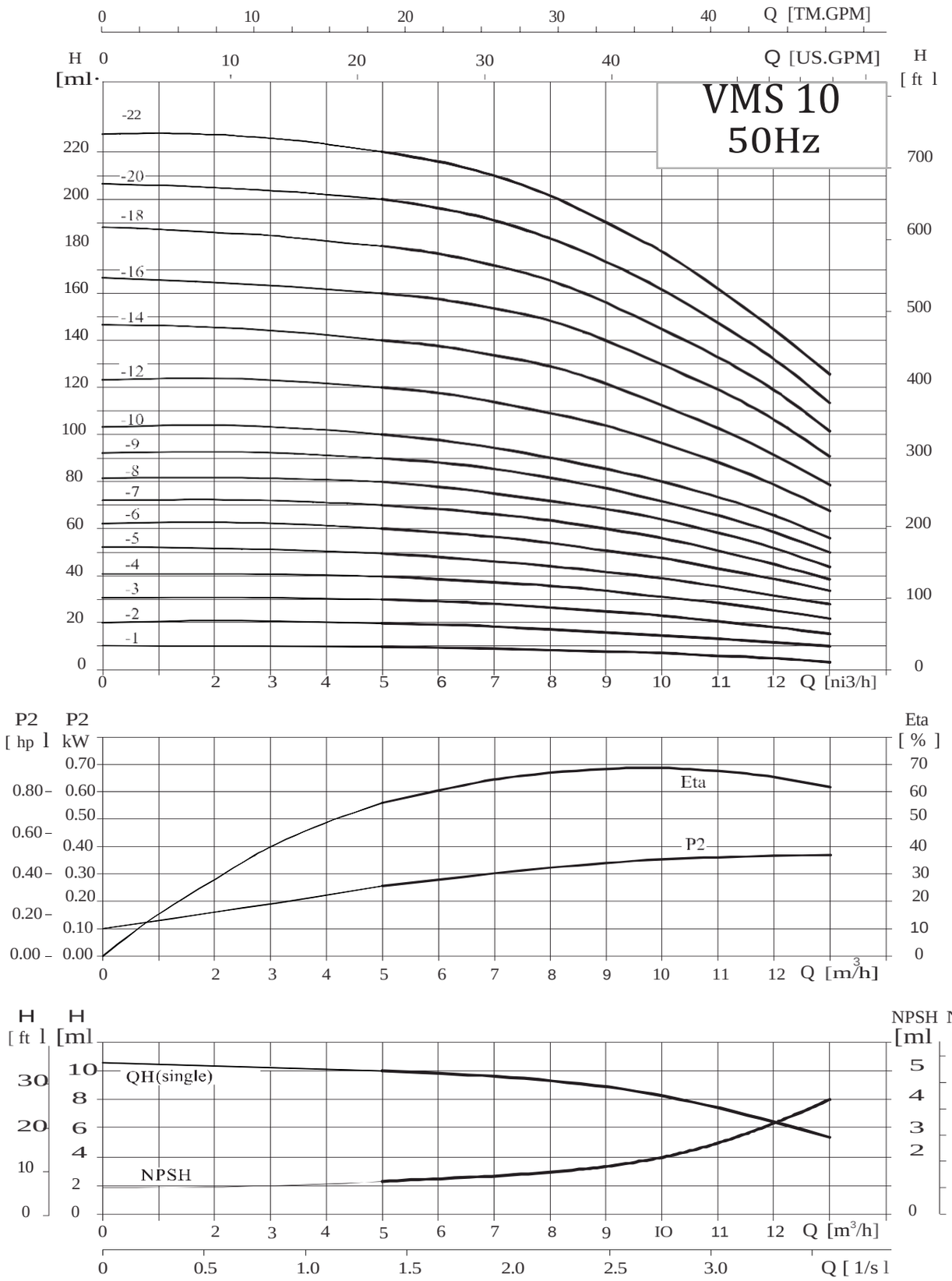
Dischage 50mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 10-1	347	2454	592	170	142	40
VMS 10-2	347	245	592	170	142	41
VMS 10-3	377	245	622	170	142	43
VMS 10-4	417	290	707	190	155	49
VMS 10-5	447	290	737	190	155	53
VMS 10-6	477	290	767	190	155	54
VMS 10-7	517	345	862	197	165	64
VMS 10-8	547	345	892	197	165	65
VMS 10-9	577	345	922	197	165	66
VMS 10-10	607	355	962	230	188	74
VMS 10-12	667	355	1022	230	188	76
VMS 10-14	747	390	1137	260	208	100
VMS 10-16	807	390	1197	260	208	102
VMS 10-18	867	390	1257	260	208	107
VMS 10-20	927	390	1317	260	208	109
VMS 10-22	987	390	1377	260	208	111

Performance Curve

4:1c_ AQUA



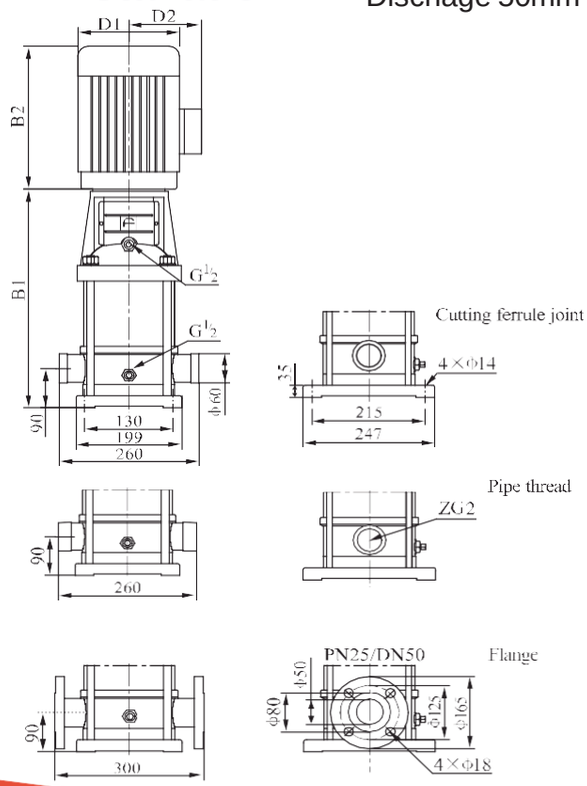
General Data

Performance

Pump Type	Motor		Q=DELIVERY										
	kW	Hp	m³/h	7	8	9	10	11	12	13	14	15	16
VMS 12-2	1.5	2		24	23	23	22	21	20	19	17	16	14
VMS 12-3	2.2	3		36	35	34	33	32	30	28	26	24	21
VMS 12-4	3	4		47	46	45	44	42	40	37	34	31	28
VMS 12-5	3	4		60	58	57	55	53	50	47	43	39	35
VMS 12-6	4	5.5		72	70	68	66	63	60	56	52	47	42
VMS 12-7	5.5	7.5		84	82	80	77	74	70	66	61	55	49
VMS 12-8	5.5	7.5	H (m)	96	94	91	88	84	80	75	70	63	56
VMS 12-9	5.5	7.5		108	106	103	100	96	91	85	79	72	64
VMS 12-10	7.5	10		120	118	115	111	106	101	95	88	80	72
VMS 12-12	7.5	10		144	141	137	133	127	121	114	106	96	86
VMS 12-14	11	15		168	165	160	155	148	141	133	124	112	100
VMS 12-16	11	15		193	189	184	178	170	162	152	142	129	115
VMS 12-18	11	15		217	213	208	202	193	183	172	160	145	130

Installation

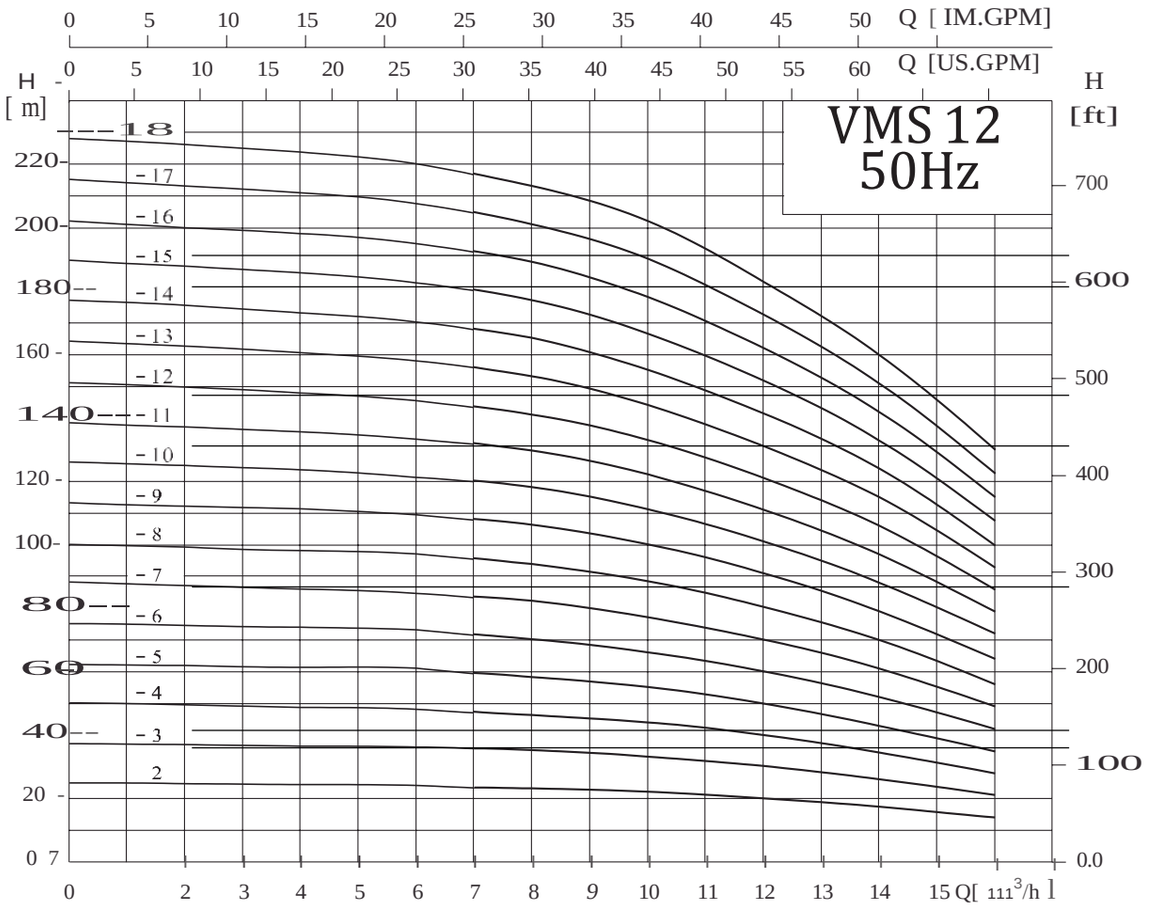
Dischage 50mm

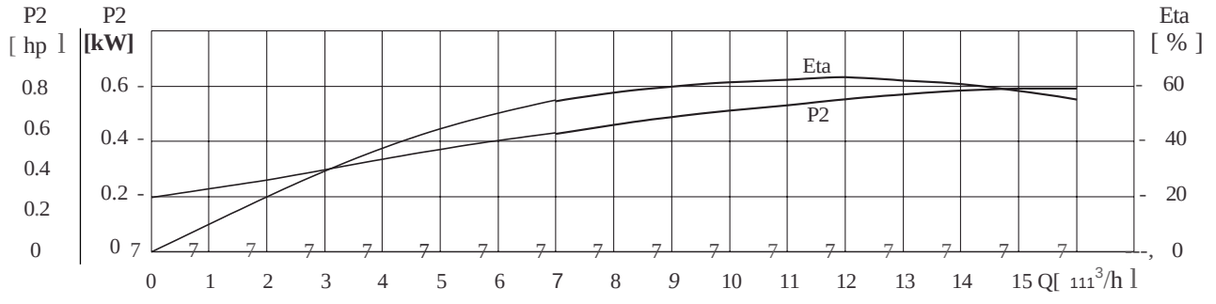


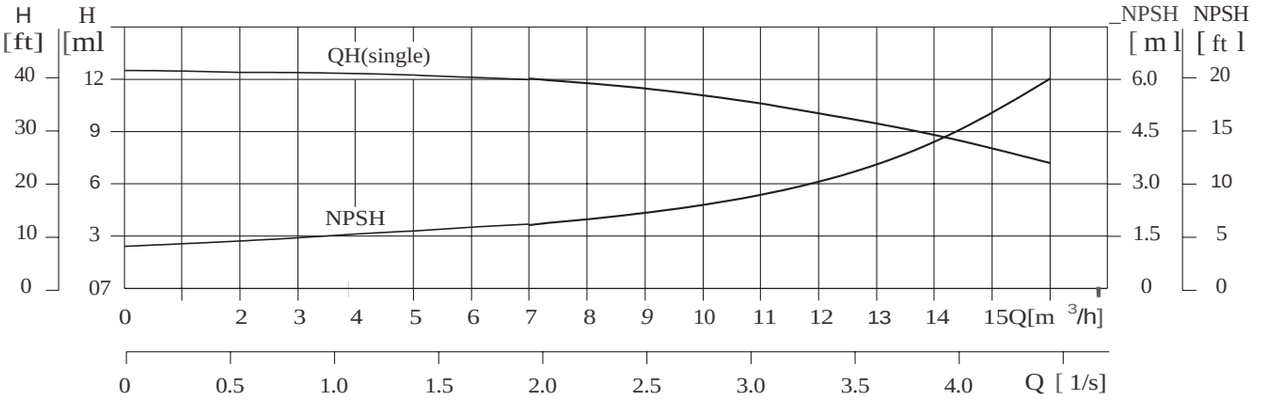
Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 12-2	367	290	657	190	155	39
VMS 12-3	397	290	687	190	155	43
VMS 12-4	437	345	782	197	165	61
VMS 12-5	467	345	812	197	165	53
VMS 12-6	497	355	852	230	188	61
VMS 12-7	547	390	937	260	208	73
VMS 12-8	577	390	967	260	208	74
VMS 12-9	607	390	997	260	208	76
VMS 12-10	637	390	1027	260	208	83
VMS 12-12	697	390	1087	60	208	87
VMS 12-14	845	500	1345	330	255	157
VMS 12-16	905	500	1405	330	255	161
VMS 12-18	965	500	1465	30	255	164

Performance Curve

4:1c_ AQUA







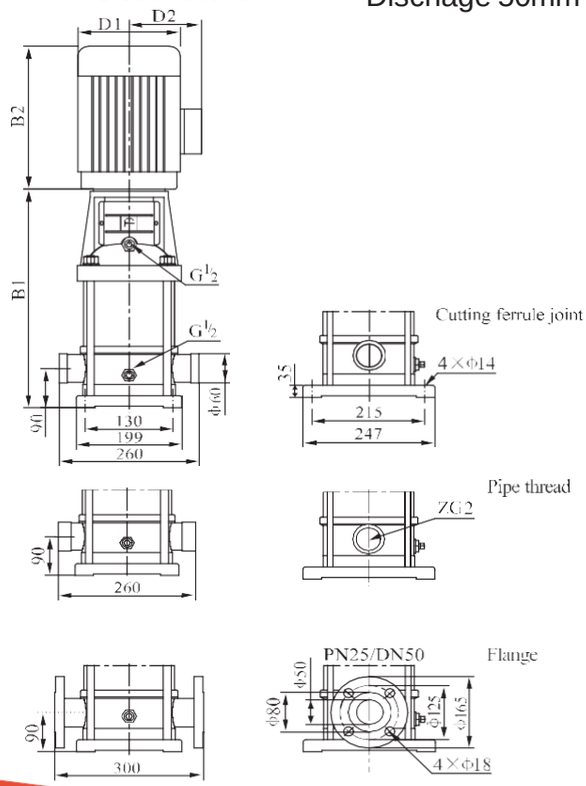
General Data

Performance

Pump Type	Motor		Q=DELIVERY								
	kW	Hp	m³/h	8	10	12	14	15	16	18	20	22
VMS 15-1	1.1	1.5	H (m)	12	12	11	11	10	10	9	8	7
VMS 15-2	2.2	3		25	25	24	23	23	22	20	18	16
VMS 15-3	3	4		39	38	37	35	34	33	30	28	25
VMS 15-4	4	5.5		52	51	49	46	45	44	40	37	33
VMS 15-5	4	5.5		65	63	61	59	57	55	51	47	42
VMS 15-6	5.5	7.5		78	76	74	71	69	67	62	57	51
VMS 15-7	5.5	7.5		92	90	87	83	81	79	73	67	60
VMS15-8	7.5	10		106	103	100	96	93	90	84	77	69
VMS 15-9	7.5	10		120	117	114	109	106	103	95	87	79
VMS 15-10	11	15		133	130	126	121	118	114	106	97	88
VMS 15-12	11	15		160	157	152	146	142	138	128	117	106
VMS 15-14	11	15		187	182	177	169	165	160	149	137	124
VMS 15-17	15	20		227	222	215	206	201	195	182	167	151

Installation

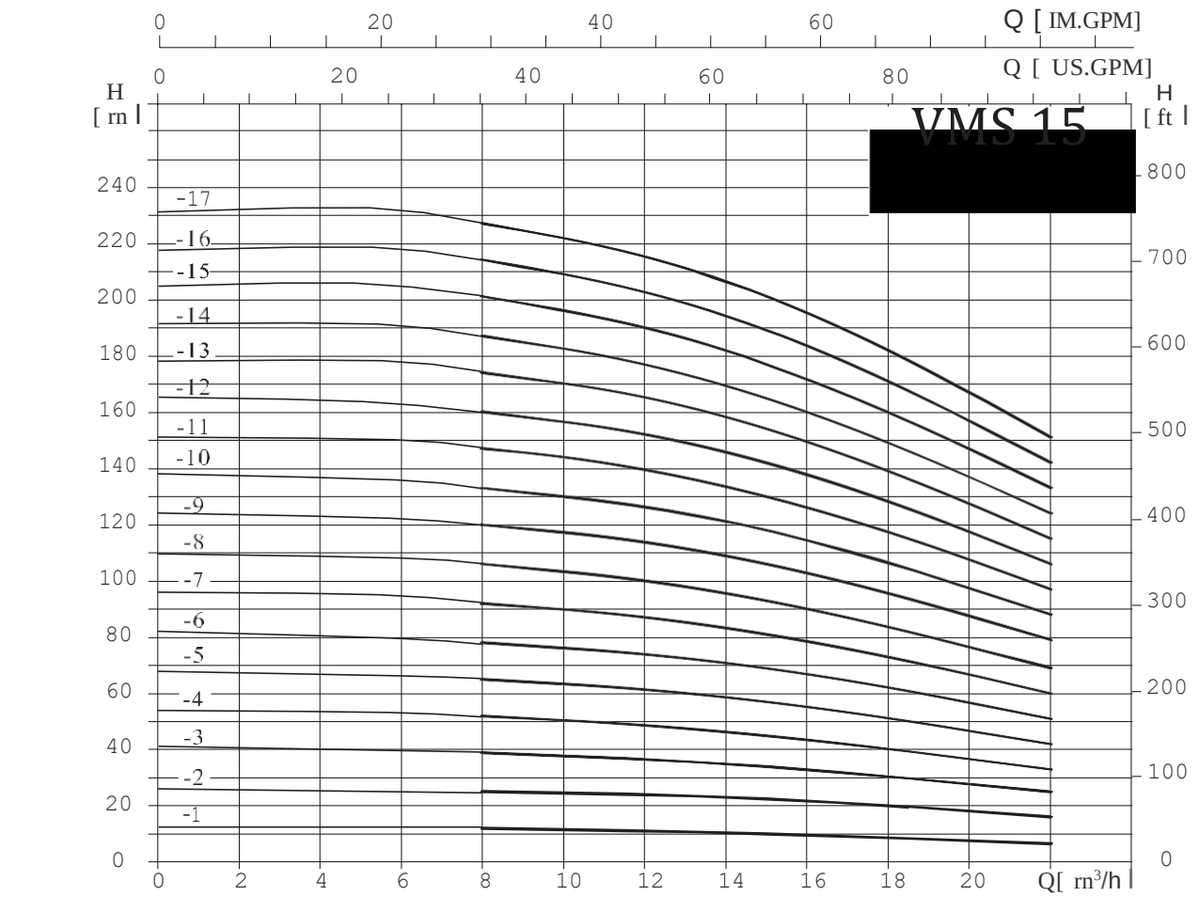
Dischage 50mm

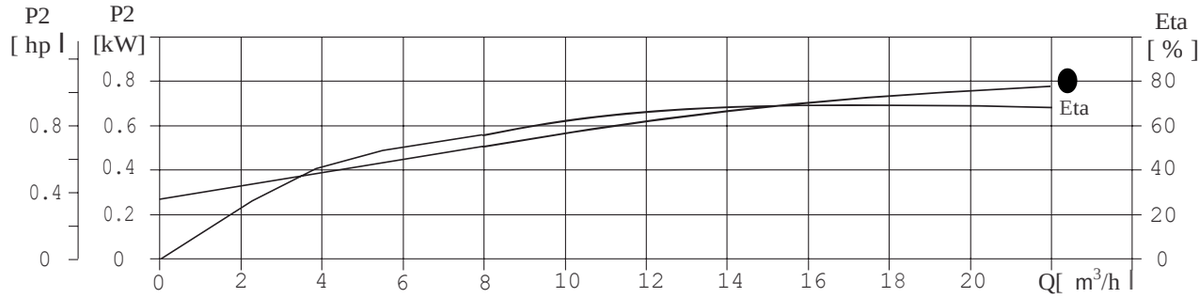


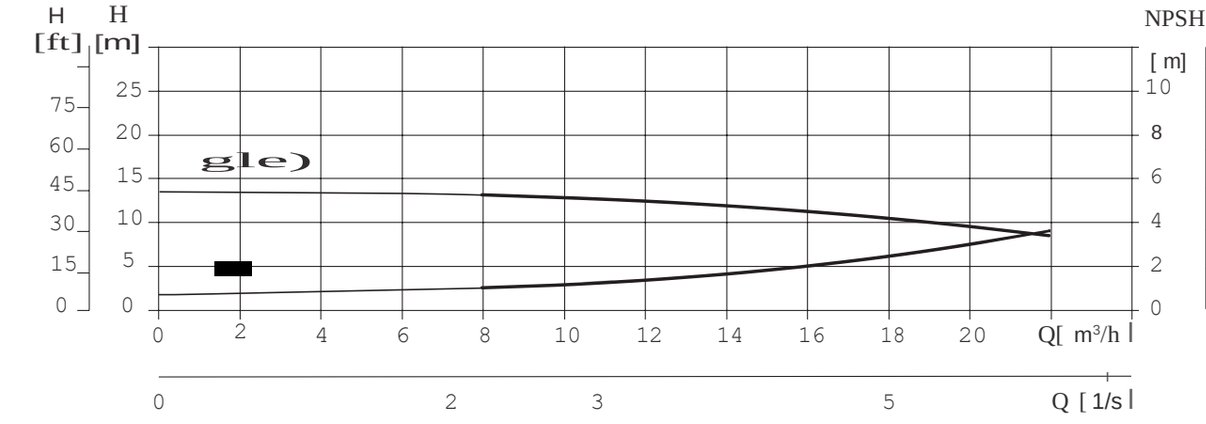
Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 15-1	387	245	632	170	142	33
VMS 15-2	397	290	687	190	155	42
VMS 15-3	452	345	797	197	165	51
VMS 15-4	497	355	852	230	188	60
VMS 15-5	542	355	897	230	188	62
VMS 15-6	607	390	997	260	208	78
VMS 15-7	652	390	1042	260	208	80
VMS17-8	697	390	1087	260	208	86
VMS 15-9	742	390	1132	260	208	88
VMS 15-10	875	500	1375	330	255	157
VMS 15-12	965	500	21465	330	255	161
VMS 15-14	1055	500	1555	330	255	165
VMS 15-17	1190	500	1690	330	255	178

Performance Curve

4:1c_ AQUA







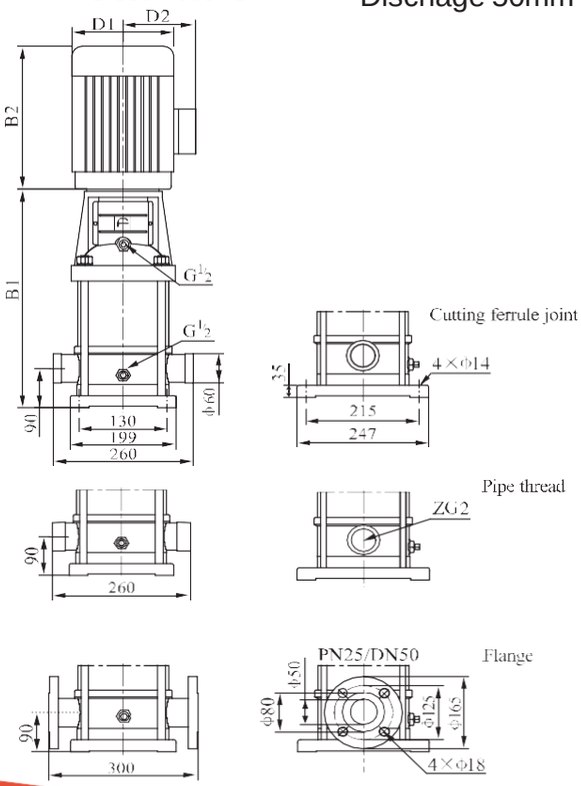
General Data

Performance

Pump Type	Motor		Q=DELIVERY									
	kW	Hp	m³/h	10	12	14	16	18	20	22	24	26	28
VMS 20-1	1.2	1.5	H (m)	14	13	13	12	11	10	9	8	7	6
VMS 20-2	2.2	3		27	27	26	25	24	23	22	20	18	15
VMS 20-3	4	5.5		40	40	39	38	37	35	33	30	27	24
VMS 20-4	5.5	7.5		54	53	52	51	49	47	44	41	37	33
VMS 20-5	5.5	7.5		67	66	64	62	60	58	55	50	45	40
VMS 20-6	7.5	10		81	79	77	75	73	70	66	61	55	49
VMS 20-7	7.5	10		95	93	91	89	86	82	77	71	65	58
VMS 20-8	11	15		109	107	105	102	99	94	89	82	75	67
VMS 20-10	11	15		136	134	131	128	124	118	111	103	95	85
VMS 20-12	15	20		164	162	158	154	149	142	133	124	114	102
VMS 20-14	15	20		192	189	185	180	174	166	156	145	133	119
VMS 20-17	18.5	25		234	230	225	219	212	202	190	177	162	145

Installation

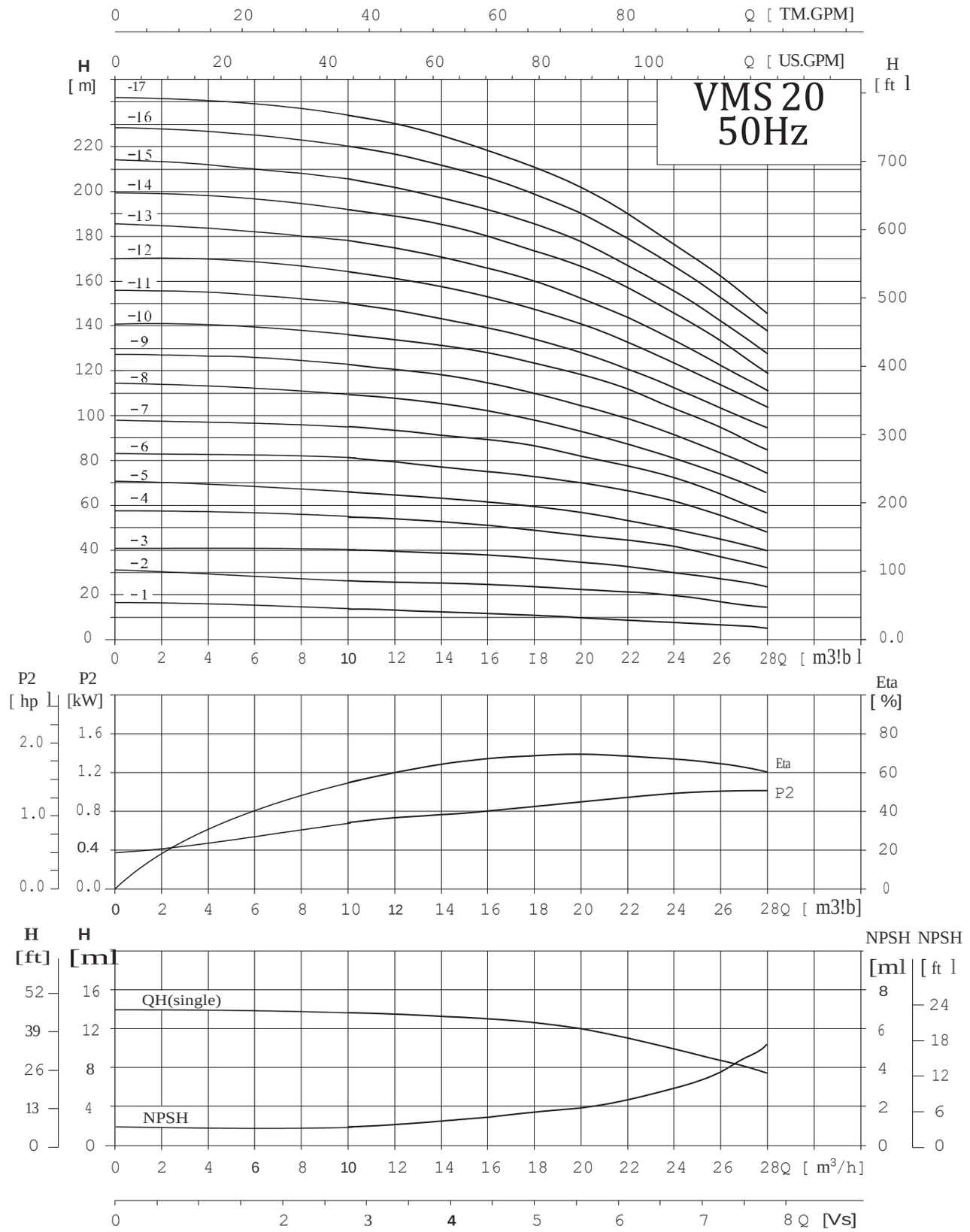
Dischage 50mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 20-1	387	245	632	170	142	3
VMS 20-2	397	290	687	190	155	42
VMS 20-3	452	355	807	230	188	58
VMS 20-4	517	390	907	260	208	74
VMS 20-5	562	390	952	260	208	76
VMS 20-6	607	390	997	260	208	82
VMS 20-7	652	390	1042	260	208	84
VMS 20-8	785	500	1285	330	255	153
VMS 20-10	875	500	1375	330	255	157
VMS 20-12	965	500	1465	330	255	170
VMS 20-14	1055	500	1555	330	255	172
VMS 20-17	1190	550	1740	330	255	195

Performance Curve

4:1c_ AQUA



General Data

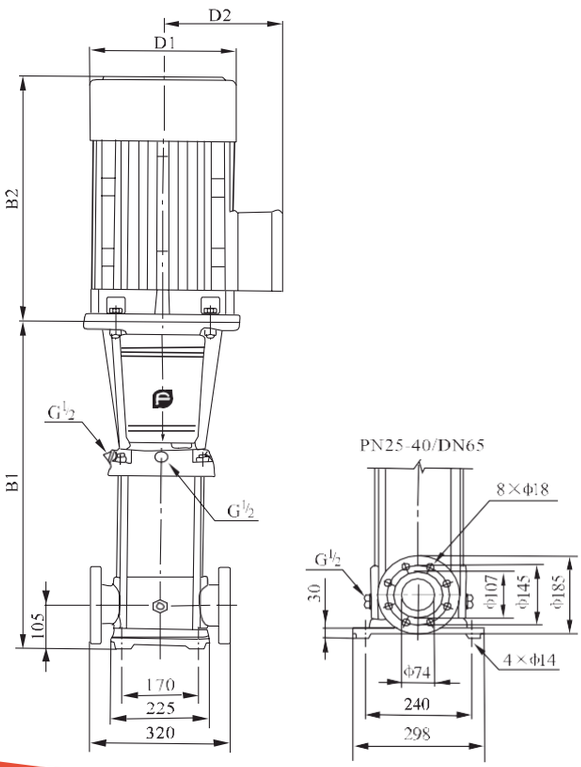
Performance

Pump Type	Motor		Q=DELIVERY						
	kW	Hp	m³/h	16	20	24	28	32	36	40
VMS 32-10-1	1.5	2	H (m)	14	13	12	11	9	7	4
VMS 32-10-1	2.2	3		18	17	15	14	13	11	8
VMS 32-20-2	3	4		29	28	26	23	20	16	11
VMS 32-20-2	4	5.5		36	4	32	29	27	23	18
VMS 32-32-30-2	5.5	7.5		47	44	41	38	33	28	21
VMS 32-30	5.5	7.5		54	51	48	44	40	35	27
VMS 32-40-2	7.5	10		65	62	58	53	46	40	30
VMS 32-40	7.5	10		72	59	65	59	53	47	37
VMS 32-50-2	11	15		83	79	74	68	60	52	41
VMS 32-50	11	15		90	86	81	74	67	59	47
VMS 32-60-2	11	15		101	97	90	83	74	65	51
VMS 32-60	11	15		108	104	97	90	81	72	57
VMS 32-70-2	15	20		119	114	107	98	88	78	60
VMS 32-70	15	20		126	121	113	105	95	85	67
VMS 32-80-2	15	20		136	131	123	114	102	90	71
VMS 32-80	15	20		144	138	130	120	109	97	77

Pump Type	Motor		Q=DELIVERY						
	kW	Hp	m³/h	16	20	24	28	32	36	36
VMS 32-90-2	18.5	25	H (m)	154	148	140	129	117	102	82
VMS 32-90	18.5	25		162	156	147	136	124	109	88
VMS 32-100-2	18.5	25		175	166	157	146	131	115	91
VMS 32-100	18.5	25		182	173	164	152	138	122	98
VMS 32-110-2	22	30		193	184	173	164	146	128	102
VMS 32-110	22	30		200	19	180	168	153	135	109
VMS 32-120-2	22	30		211	201	189	178	160	140	113
VMS 32-120	22	30		218	208	196	184	167	147	120
VMS 32-130-2	30	40		230	218	206	193	174	153	124
VMS 32-130	30	40		237	225	213	200	181	160	131
VMS 32-140-2	30	40		247	235	222	210	189	165	135
VMS 32-140	30	40		255	242	229	216	196	172	142
VMS 32-150-2	30	40		266	253	239	224	203	178	145
VMS 32-150	30	40		274	260	246	231	210	185	152
VMS 32-260-2	30	40		284	270	255	240	218	190	156
VMS 32-260	30	40		292	277	262	246	225	197	163

Installation

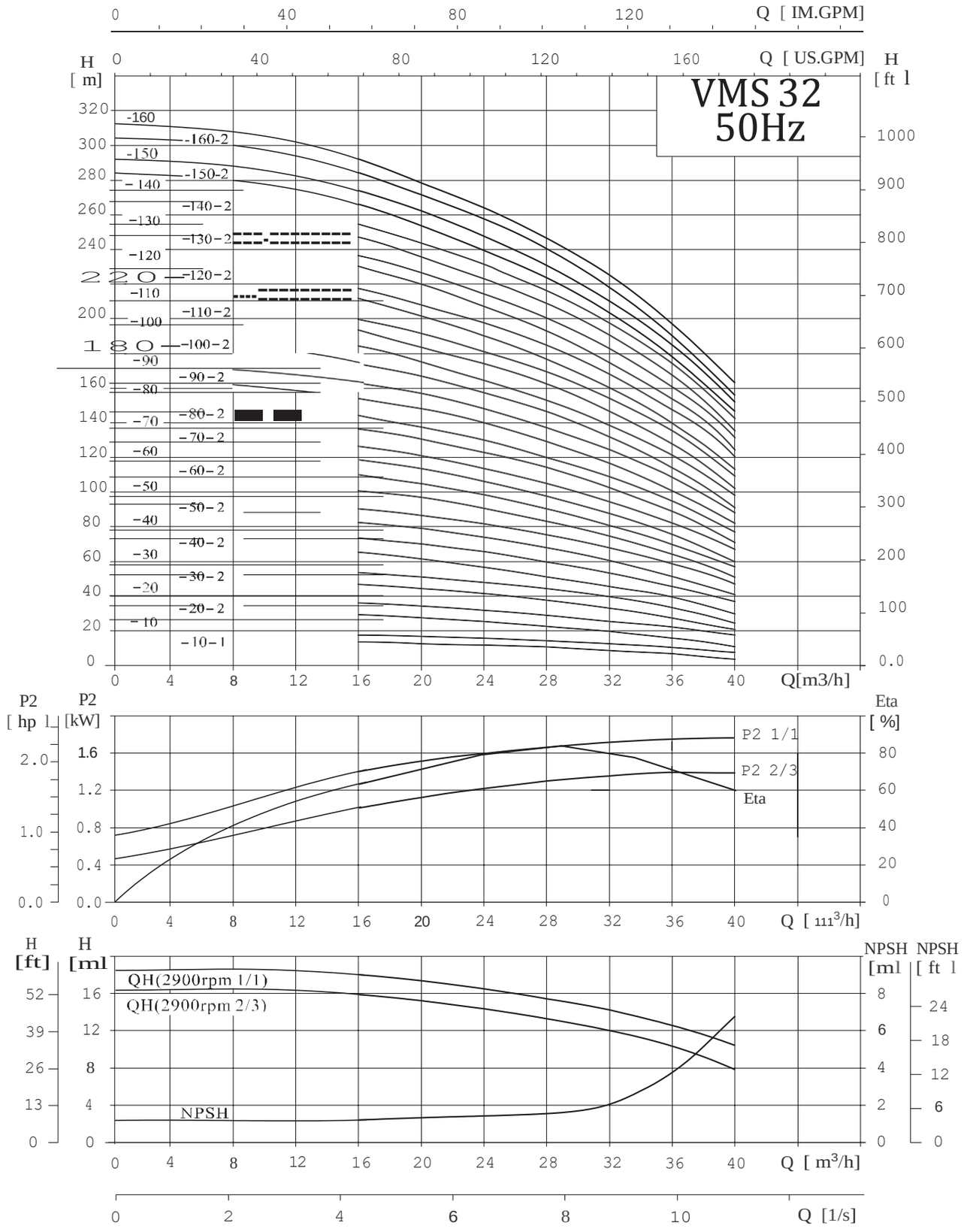
Dischage 75mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 32-10-1/VMS 32-10	505	290	795	190	155	64/68
VMS 32-20-2/VMS 32-20	575	345/355	920/930	197/230	165/180	77/85
VMS 32-30-2/VMS 32-30	645	390	1035	260	208	100
VMS 32-40-2/VMS 32-40	715	390	1105	260	208	109
VMS 32-50-2/VMS 32-50	890	500	1390	330	255	181
VMS 32-60-2/VMS 32-60	960	500	1460	330	255	185
VMS 32-70-2/VMS 32-70	1030	500	1530	330	255	199
VMS 32-80-2/VMS 32-80	1100	500	1600	330	255	203
VMS 32-90-2/VMS 32-90	1170	550	1720	330	255	222
VMS 32-100-2/VMS 32-100	1240	550	1790	330	255	227
VMS 32-110-2/VMS 32-110	1310	575	1885	360	285	272
VMS 32-120-2/VMS 32-120	1380	575	1955	360	285	276
VMS 32-130-2/VMS 32-130	1450	650	2100	400	310	337
VMS 32-140-2/VMS 32-140	1520	650	2170	400	310	341
VMS 32-150-2/VMS 32-150	1590	650	2240	400	310	345
VMS 32-160-2/VMS-32-160	1660	650	2310	400	310	350

Performance Curve

4:1c_ AQUA



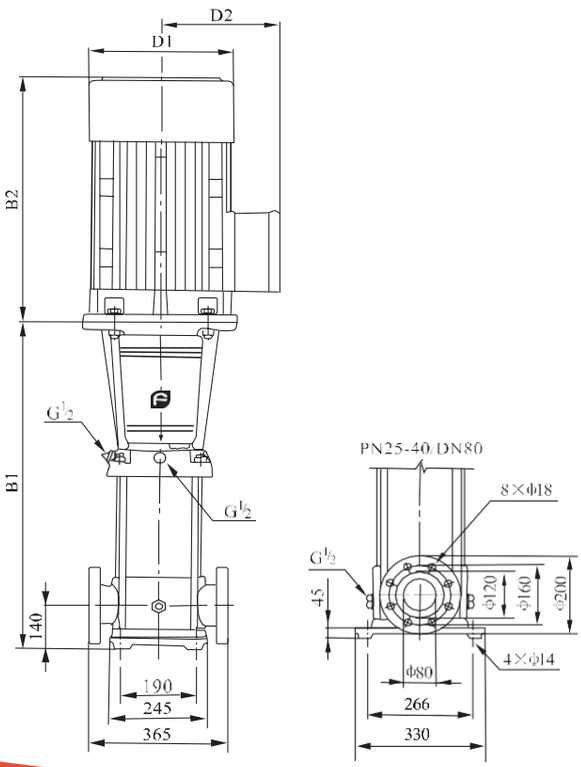
General Data

Performance

Pump Type	Motor		Q=DELIVERY								
	kW	Hp	m³/h	25	30	35	40	42	45	50	55
VMS 42-10-1	3	4		20	19	18	17	16	15	13	11
VMS 42-10	4	5.5		24	23	22	21	20	19	18	16
VMS 42-20-2	5.5	7.5		40	38	36	33	32	30	27	23
VMS 42-20	7.5	10		48	46	44	42	41	39	35	31
VMS 42-30-2	11	15		63	61	58	54	52	50	44	38
VMS 42-30	11	15		71	69	66	63	61	58	53	47
VMS 42-40-2	15	20		87	84	80	75	73	69	61	54
VMS 42-40	15	20		95	92	88	84	81	78	71	62
VMS 42-50-2	18.5	25		111	107	102	96	93	88	80	69
VMS 42-50	18.5	25		119	115	110	105	101	97	88	78
VMS 42-60-2	22	30		135	130	124	117	113	108	978	85
VMS 42-60	22	30		143	138	132	125	122	116	106	93
VMS 42-70-2	30	40	H (m)	158	152	146	138	134	127	115	100
VMS 42-70	30	40		166	161	154	146	142	135	124	109
VMS 42-80-2	30	40		182	175	168	159	154	146	133	116
VMS 42-80	30	40		190	184	176	167	162	154	141	124
VMS 42-90-2	30	40		205	198	190	180	174	166	150	132
VMS 42-90	37	50		214	207	198	188	183	174	159	140
VMS 42-100-2	37	50		230	221	212	200	194	185	168	147
VMS 42-100	37	50		238	230	220	209	203	193	177	155
VMS 42-110-2	45	60		255	246	236	223	217	206	188	165
VMS 42-110	45	60		263	255	244	232	225	214	196	173
VMS 42-120-2	45	60		280	270	259	245	238	226	206	181
VMS 42-120	45	60		289	280	268	255	247	236	216	190
VMS 42-130-2	45	60		305	294	282	267	259	247	225	198

Installation

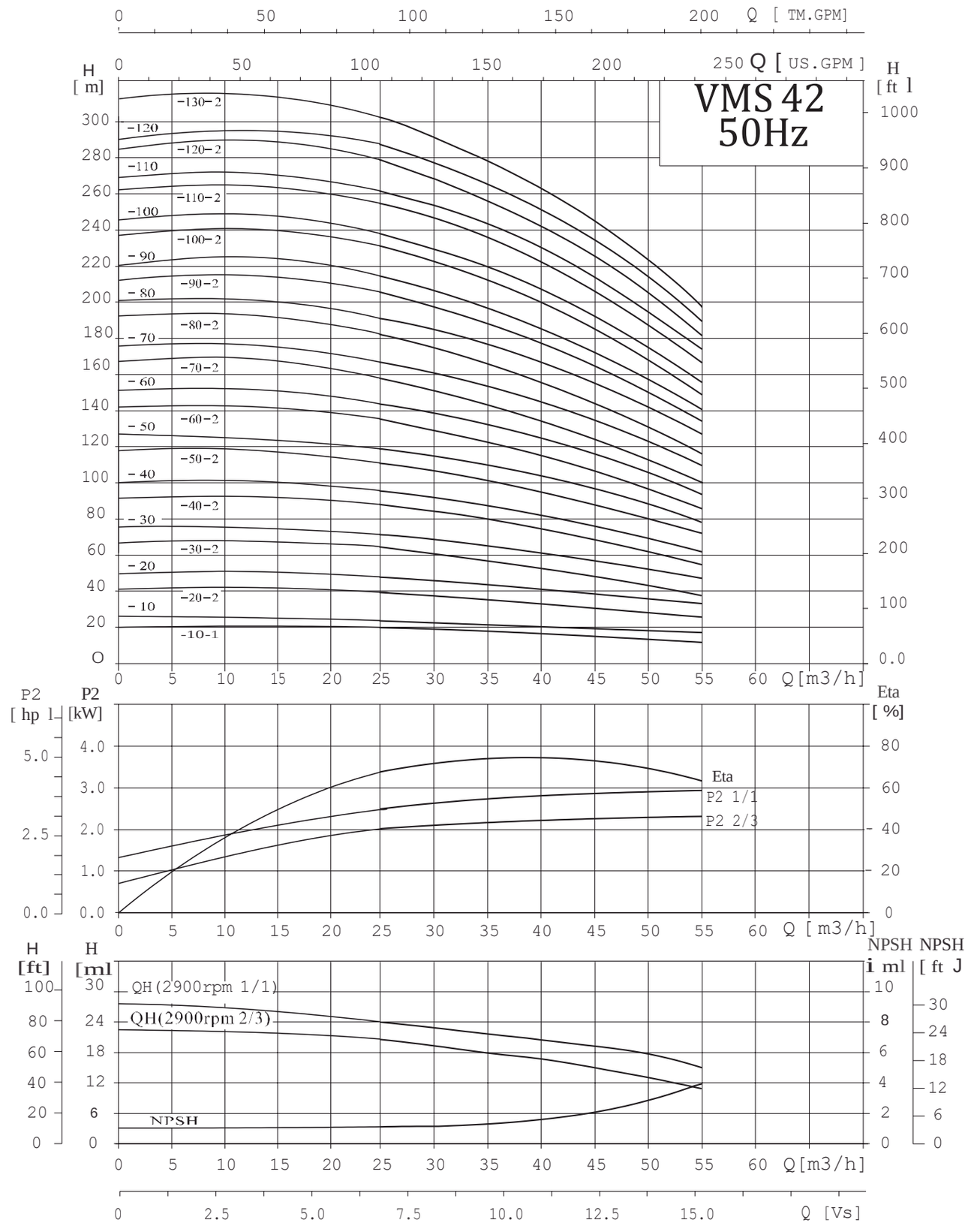
Dischage 80mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 42-10-1 /VMS 42-10	561	345/355	906/916	197/230	165/188	83/90
VMS 42-20-2 /VMS 42-20-2	641	390	1031	260	208	105/110
VMS 42-30-2 /VMS 42-30	826	500	1326	330	255	183
VMS 42-40-2 /VMS 42-40	906	500	1406	330	255	197
VMS 42-50-2 /VMS 42-50	986	550	1536	330	255	221
VMS 42-60-2 /VMS 42-60	1066	575	1641	360	285	261
VMS 42-70-2 /VMS 42-70	1146	650	1796	400	310	320
VMS 42-80-2 /VMS 42-80	1226	650	1876	400	310	324
VMS 42-90-2 /VMS 42-90	1306	650	1956	400	310	328/352
VMS 42-100-2/VMS 42-100	1386	650	2036	400	310	355
VMS 42-110-2 /VMS 42-110	1466	685	2151	450	345	426
VMS 42-120-2 /VMS 42-120	1546	685	22312	450	345	432
VMS 42-130-2	1626	685	2311	450	345	438

Performance Curve

4:1c_ AQUA



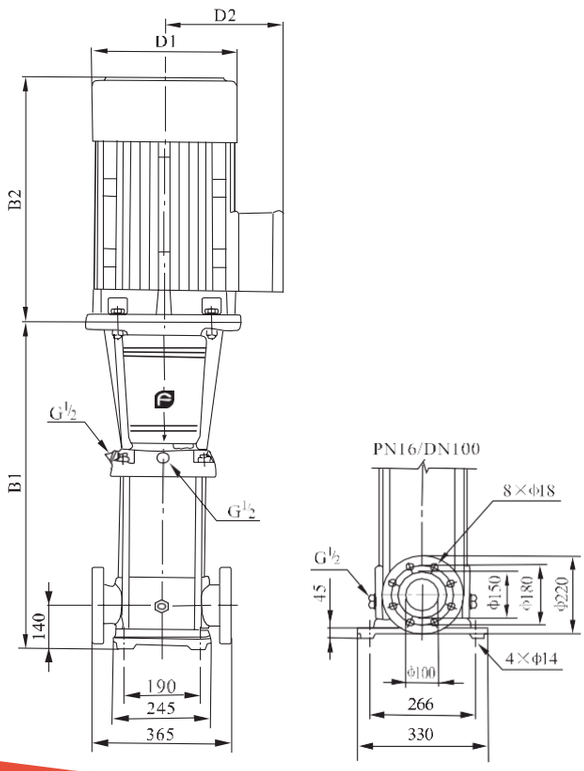
General Data

Performance

Pump Type	Motor		Q=DELIVERY							
	kW	Hp	m³/h	30	40	50	60	65	70	80
VMS 65-10-1	4	5.5		19	18	16	14	13	11	8
VMS 65-10	5.5	7.5		27	25	23	21	20	18	15
VMS 65-20-2	7.5	10		49	36	33	29	26	23	17
VMS 65-20-1	11	1		46	44	40	36	33	30	24
VMS 65-20	11	15		53	51	47	43	40	37	30
VMS 65-30-2	15	20		66	62	56	50	46	41	32
VMS 65-30-1	15	20		73	69	63	57	53	48	39
VMS 65-30	18.5	25		80	76	70	64	60	55	46
VMS 65-40-2	18.5	25		91	87	80	71	66	60	47
VMS 65-40-1	22	30		100	94	87	78	73	67	54
VMS 65-40	22	30	H	107	101	94	85	80	74	61
VMS 65-50-2	30	40	(m)	121	114	105	95	88	80	64
VMS 65-50-1	30	40		128	212	112	102	95	87	71
VMS 65-50	30	40		136	129	119	109	102	94	78
VMS 65-60-2	30	40		150	142	131	118	110	101	81
VMS 65-60-1	37	50		157	149	138	125	117	108	88
VMS 65-60	37	50		164	156	145	132	124	115	95
VMS 65-70-2	37	50		179	169	156	141	132	121	99
VMS 65-70-1	37	50		186	176	163	148	139	128	106
VMS 65-70	45	60		193	183	170	155	146	135	112
VMS 65-80-2	45	60		207	196	182	164	154	14	116
VMS 65-80-1	45	60		215	203	189	171	161	149	123

Installation

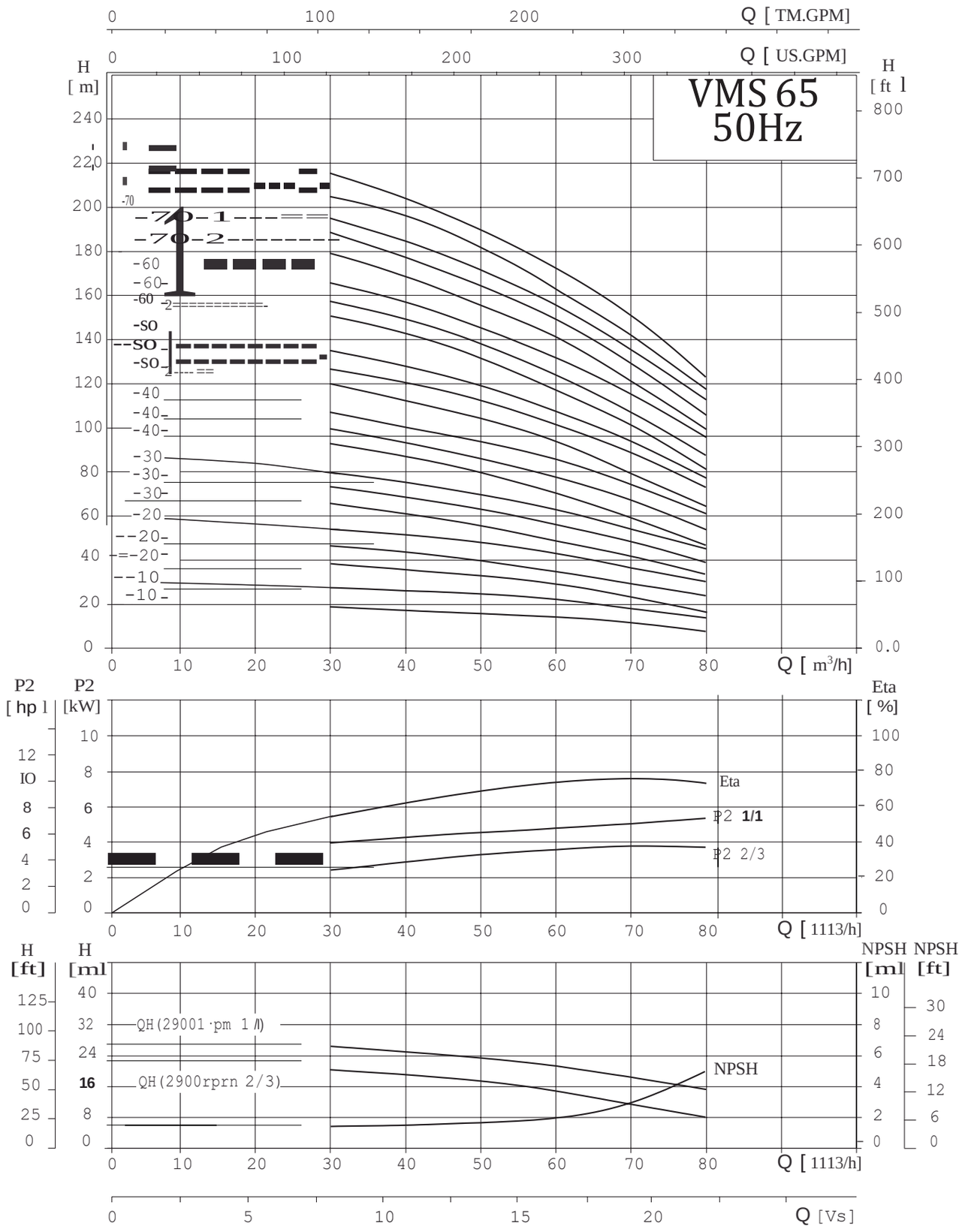
Dischage 100mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 65-10-1	561	355	916	230	188	93
VMS 65-10	561	390	951	260	208	105
VMS 65-20-2	644	390	1034	260	208	110
VMS 65-20-1	754	500	1254	330	255	182
VMS 65-20	754	500	1254	330	255	182
VMS 65-30-2	836	500	1336	330	255	196
VMS 65-30-1	836	500	1336	330	255	197
VMS 65-30	836	550	1386	330	255	221
VMS 65-40-2	919	550	1469	330	255	225
VMS 65-40-1	919	575	1494	360	285	258
VMS 65-40	919	575	1494	360	285	258
VMS 65-50-2	1001	650	1651	400	310	319
VMS 65-50-1	1001	650	1651	400	310	319
VMS 65-50	1001	650	1651	400	310	320
VMS 65-60-2	1084	650	1734	400	310	325
VMS 65-60-1	1084	650	1734	400	310	349
VMS 65-60	1084	650	1734	400	310	349
VMS 65-70-2	1166	650	1816	400	310	353
VMS 65-70-1	1166	650	1816	400	310	353
VMS 65-70	1166	685	1851	460	340	420
VMS 65-80-2	1248	685	1933	460	340	424
VMS 65-80-1	1248	685	1933	460	340	424

Performance Curve

4:1c_ AQUA



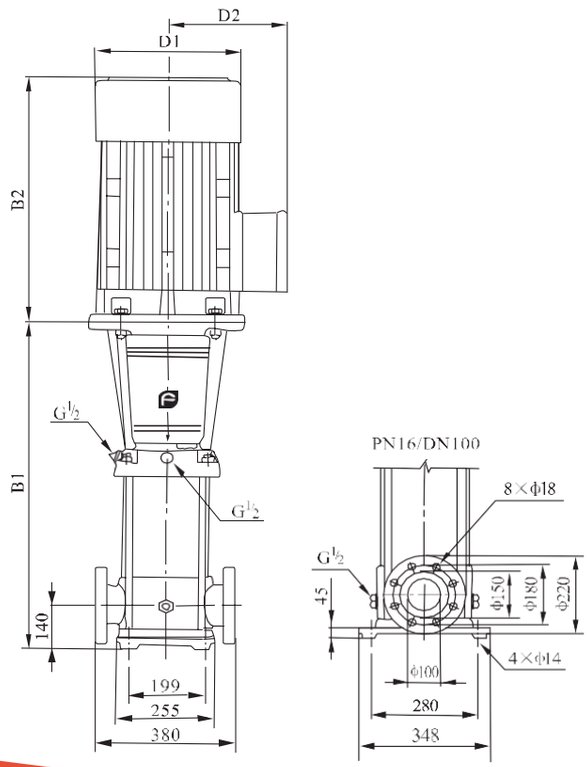
General Data

Performance

Pump Type	Motor		Q=DELIVERY								
	kW	Hp	m³/h	50	60	70	80	85	90	100	110
VMS 85-10-1	5.5	7.5	H (m)	22	19	17	16	14	13	10	6
VMS 85-10	7.5	10		25	24	22	21	20	19	16	12
VMS 85-20-2	11	15		41	39	36	32	30	28	22	15
VMS 85-20	15	20		53	50	47	44	41	40	36	30
VMS 85-30-2	18.5	25		68	65	60	55	52	49	41	32
VMS 85-30-2	22	30		81	77	72	67	64	62	55	48
VMS 85-40-2	30	40		98	93	87	80	75	72	62	50
VMS 85-40	30	40		110	105	100	92	86	84	76	66
VMS 85-50-2	37	50		126	120	113	104	98	93	81	68
VMS 85-50	37	50		139	131	124	115	110	106	94	83
VMS 85-60-2	45	60		155	148	139	129	122	117	102	86
VMS 85-60	45	60		168	160	150	141	134	130	117	103

Installation

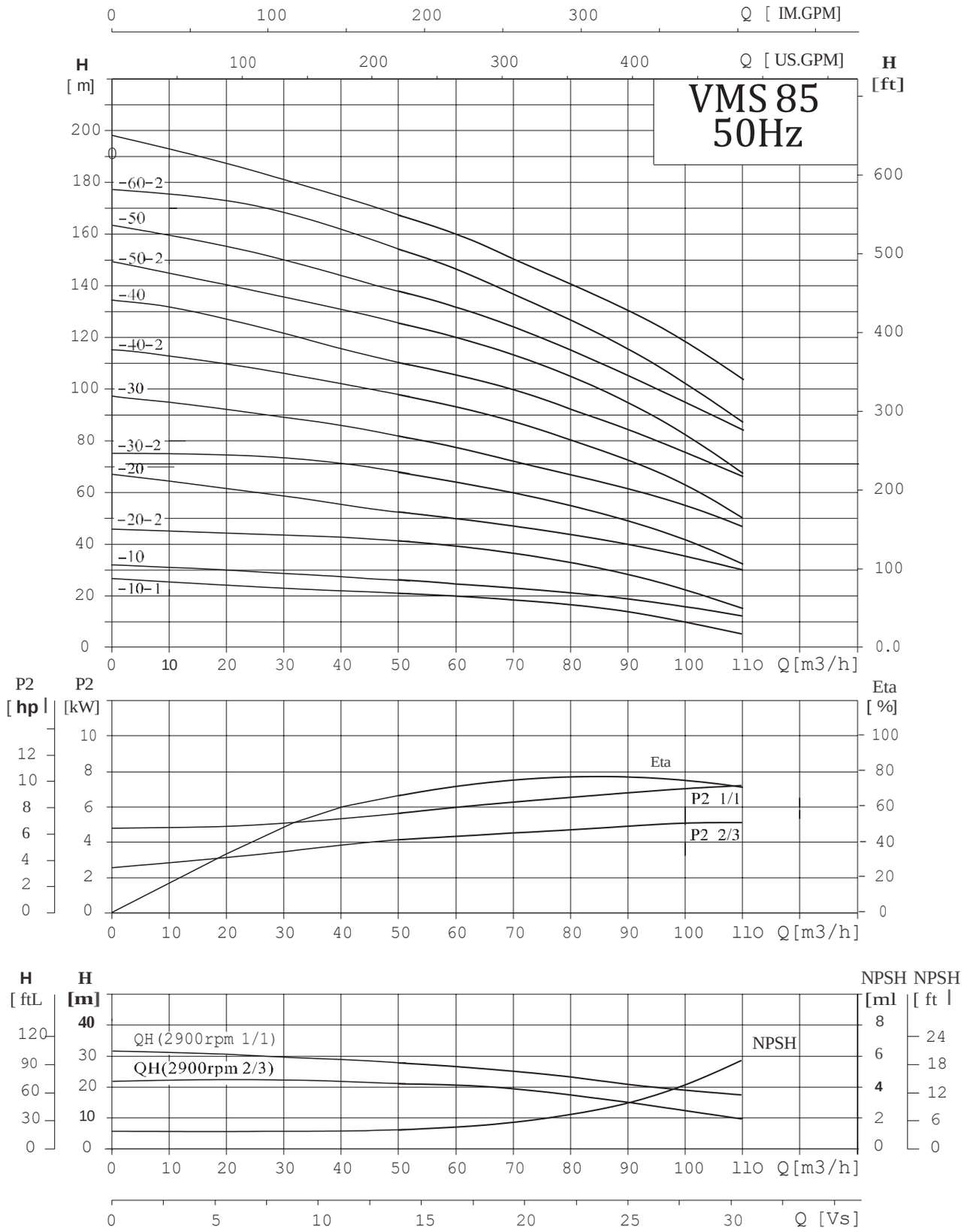
Dischage 100mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 85-10-1	571	390	961	260	208	105
VMS 85-10	571	390	961	260	208	110
VMS 85-20-2	773	500	1273	330	255	181
VMS 85-20	773	500	1273	330	255	192
VMS 85-30-2	865	550	1415	330	255	215
VMS 85-30-2	865	575	1440	360	285	252
VMS 85-40-2	957	650	1607	400	310	312
VMS 85-40	957	650	1607	400	310	312
VMS 85-50-2	1049	650	1699	400	310	336
VMS 85-50	1049	650	1699	400	310	336
VMS 85-60-2	1141	685	1826	460	340	407
VMS 85-60	1141	685	1826	460	340	407

Performance Curve

4:1c_ AQUA



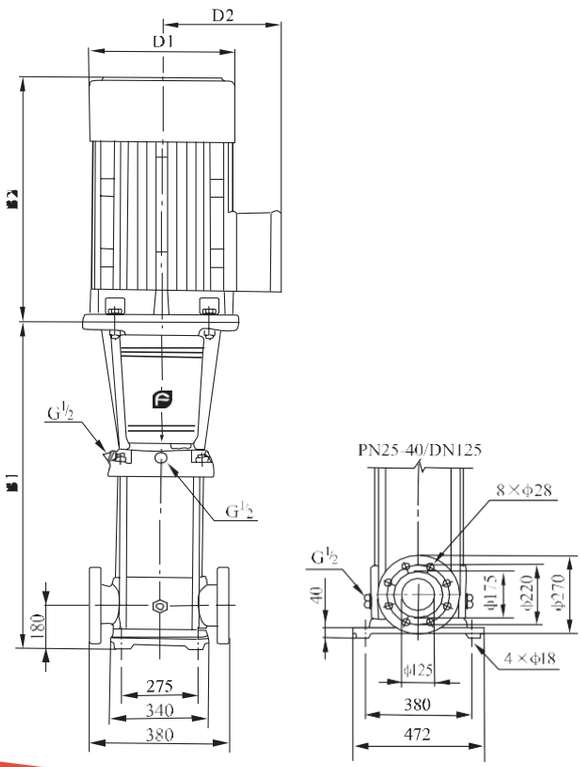
General Data

Performance

Pump Type	Motor		Q=DELIVERY										
	kW	Hp	m³/h	60	70	80	90	100	110	120	130	140	150
VMS 120-10	11	15		22	22	22	21	21	20	19	17	16	15
VMS 120-20-2	15	0.2		34	34	33	31	30	30	29	27	25	24
VMS 120-20-1	18.5	25		41	40	40	39	37	37	35	33	30	28
VMS 120-20	22	30		46	45	45	44	42	41	40	38	36	34
VMS 120-30-2	30	40		57	56	55	54	52	51	49	47	44	41
VMS 120-30-1	30	40		64	63	62	60	59	58	56	52	49	46
VMS 120-30	30	40		70	69	68	66	64	63	61	58	55	51
VMS 120-40-2	37	50		81	79	78	76	74	72	69	66	62	58
VMS 120-40-1	37	50		87	86	85	82	80	78	76	72	68	65
VMS 120-40	45	60	H (m)	93	91	90	88	86	83	81	77	73	69
VMS 120-50-2	45	60		105	103	101	99	96	93	90	86	81	76
VMS 120-50-1	45	60		111	109	108	105	102	100	97	92	87	83
VMS 120-50	55	75		116	114	113	110	108	105	102	96	91	86
VMS 120-60-2	55	75		128	126	123	121	117	114	110	105	99	93
VMS 120-60-1	55	75		134	132	131	127	124	121	118	111	105	100
VMS 120-60	75	100		139	137	135	132	129	126	123	116	110	104
VMS 120-70-2	75	100		151	148	146	143	139	134	130	124	117	109
VMS 120-70-1	75	100		157	154	152	149	145	141	138	130	123	117
VMS 120-70	75	100		163	161	159	155	151	148	145	137	129	123

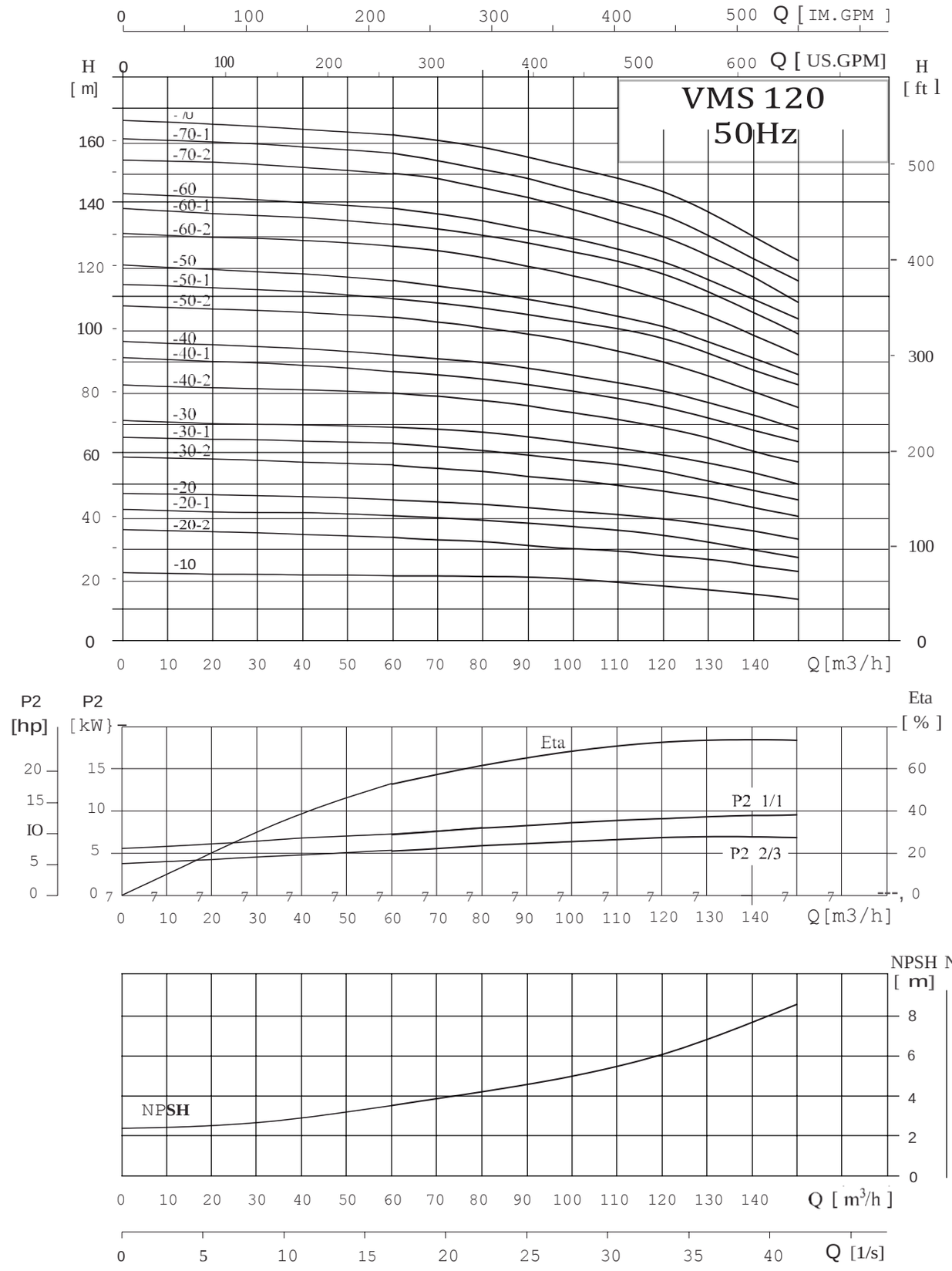
Installation

Dischage 125mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 120-10	840	500	1340	330	255	230
VMS 120-20-2	1000	500	1500	330	255	245
VMS 120-20-1	1000	550	1550	330	255	250
VMS 120-20	1000	575	1575	360	285	285
VMS 120-30-2	1160	650	1810	400	310	360
VMS 120-30-1	1160	650	1810	400	310	360
VMS 120-30	1160	650	1810	400	310	360
VMS 120-40-2	1320	650	1970	400	310	400
VMS 120-40-1	1320	650	1970	400	310	400
VMS 120-40	1320	685	2005	460	340	460
VMS 120-50-2	1480	685	2615	460	340	470
VMS 120-50-1	1480	685	2165	460	340	470
VMS 120-50	1540	760	2270	540	370	575
VMS 120-60-2	1670	760	2430	540	370	585
VMS 120-60-1	1670	760	2430	540	370	585
VMS 120-60	1670	845	2515	580	410	705
VMS 120-70-2	1830	845	2675	580	410	715
VMS 120-70-1	1830	845	2675	580	410	715
VMS 120-70	1830	845	2675	580	410	715

Performance Curve



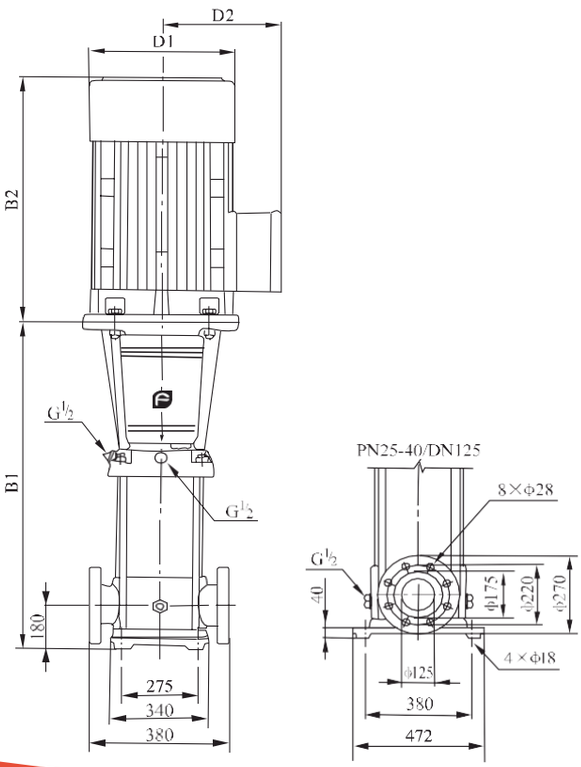
General Data

Performance

Pump Type	Motor		Q=DELIVERY											
	kW	Hp	m³/h	80	90	100	110	120	130	140	150	160	170	180
VMS 150-10-1	11	15		18	18	17	17	16	15	14	13	11	10	9
VMS 150-10-1	15	20		24	23	23	22	22	21	20	19	17	16	15
VMS 150-20-2	18.5	25		37	36	34	33	32	31	29	28	26	23	21
VMS 150-20-1	22	30		44	43	42	40	39	39	38	35	33	30	27
VMS 150-20	30	40		50	49	48	47	46	44	42	40	37	34	32
VMS 150-30-2	30	40		64	61	59	58	56	55	53	49	46	42	39
VMS 150-30-1	37	50		70	68	67	65	63	62	60	56	53	49	45
VMS 150-30	37	50		78	77	75	73	71	68	66	63	59	55	51
VMS 150-40-2	45	60	H (m)	89	87	84	82	79	77	75	71	66	60	56
VMS 150-40-1	45	60		97	94	92	89	87	84	82	77	73	67	62
VMS 150-40	55	75		104	102	100	97	95	91	88	84	80	74	68
VMS 150-50-2	55	75		116	112	109	106	103	100	97	92	86	79	74
VMS 150-50-1	75	100		123	120	117	114	112	108	105	99	94	87	80
VMS 150-50	75	100		130	128	125	121	119	115	112	107	101	95	87
VMS 150-60-2	75	100		140	137	133	130	126	121	118	112	106	98	91
VMS 150-60-1	75	100		149	145	142	138	135	131	127	121	115	107	98
VMS 150-60	75	100		157	153	149	145	142	140	137	130	124	116	109

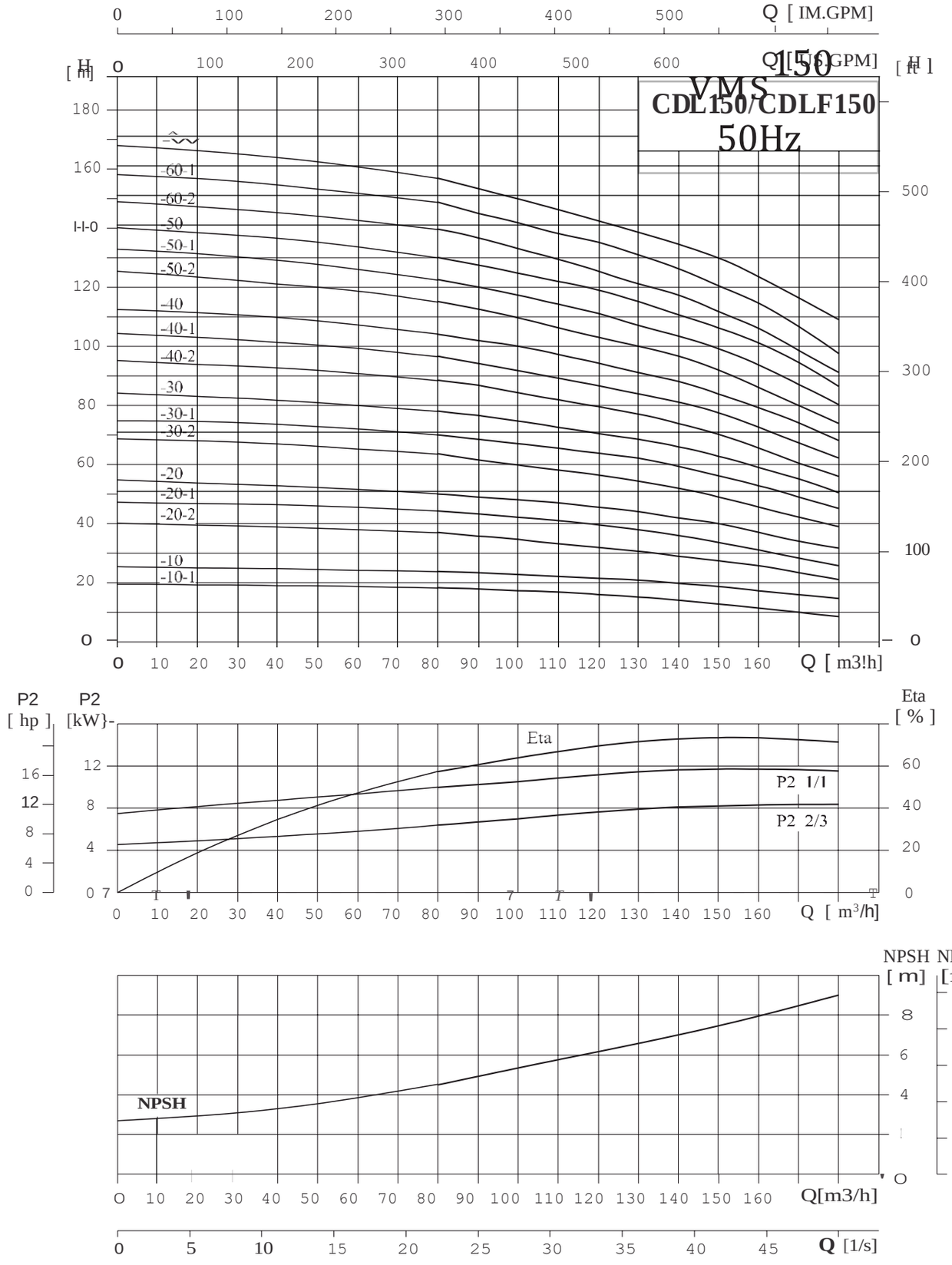
Installation

Dischage 125mm



Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 150-10-1	840	500	1340	330	255	230
VMS 150-10-1	840	500	1340	330	255	235
VMS 150-20-2	1000	550	1550	300	255	250
VMS 150-20-1	1000	575	1575	360	285	295
VMS 150-20	1000	650	1650	400	310	350
VMS 150-30-2	1160	650	1810	400	310	360
VMS 150-30-1	1160	650	1810	400	310	360
VMS 150-30	1160	650	1810	400	310	385
VMS 150-40-2	1320	685	2005	460	340	460
VMS 150-40-1	1320	685	2005	460	340	460
VMS 150-40	1350	760	2110	540	370	560
VMS 150-50-2	1510	760	2270	540	370	570
VMS 150-50-1	1510	845	2355	580	410	690
VMS 150-50	1510	845	2355	580	410	690
VMS 150-60-2	1670	845	2515	580	410	700
VMS 150-60-1	1670	845	2515	580	410	700
VMS 150-60	1670	845	2515	580	410	700

Performance Curve



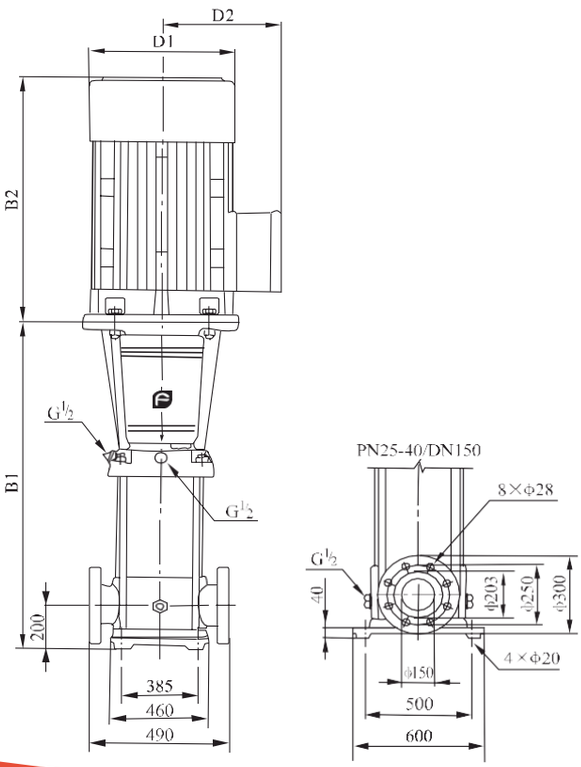
General Data

Performance

Pump Type	Motor		Q=DELIVERY								
	kW	Hp	m³/h	100	120	140	160	180	200	220	240
VMS 200-10-B	18.5	25		26	25	24	23	22	20	18	16
VMS 200-10-A	22	30		29	29	28	27	26	24	22	20
VMS 200-10	30	40		39	38	38	37	35	34	33	30
VMS 200-20-2B	37	50		53	51	49	48	44	41	37	32
VMS 200-20-2A	45	60		60	58	56	54	53	49	45	41
VMS 200-20-A	55	75		69	68	66	64	62	59	56	51
VMS 200-20	55	75		76	78	76	74	72	69	66	62
VMS 200-30-2B	75	100		92	89	87	84	79	75	70	63
VMS 200-30-A-B	75	100	H (m)	95	93	90	84	84	79	74	67
VMS 200-30-2A	75	100		100	98	95	92	89	84	79	72
VMS 200-30-B	75	100		105	103	100	97	93	89	85	78
VMS 200-30-A	75	100		108	106	104	101	98	93	88	82
VMS 200-30	90	120		118	116	114	111	107	103	99	92
VMS 200-40-2B	90	120		132	129	126	121	116	110	104	92
VMS 200-40-2A	110	150		139	136	132	128	124	118	111	103
VMS 200-40-A	110	150		148	146	143	138	134	128	122	113
VMS 200-40	110	150		158	156	153	148	144	138	133	124

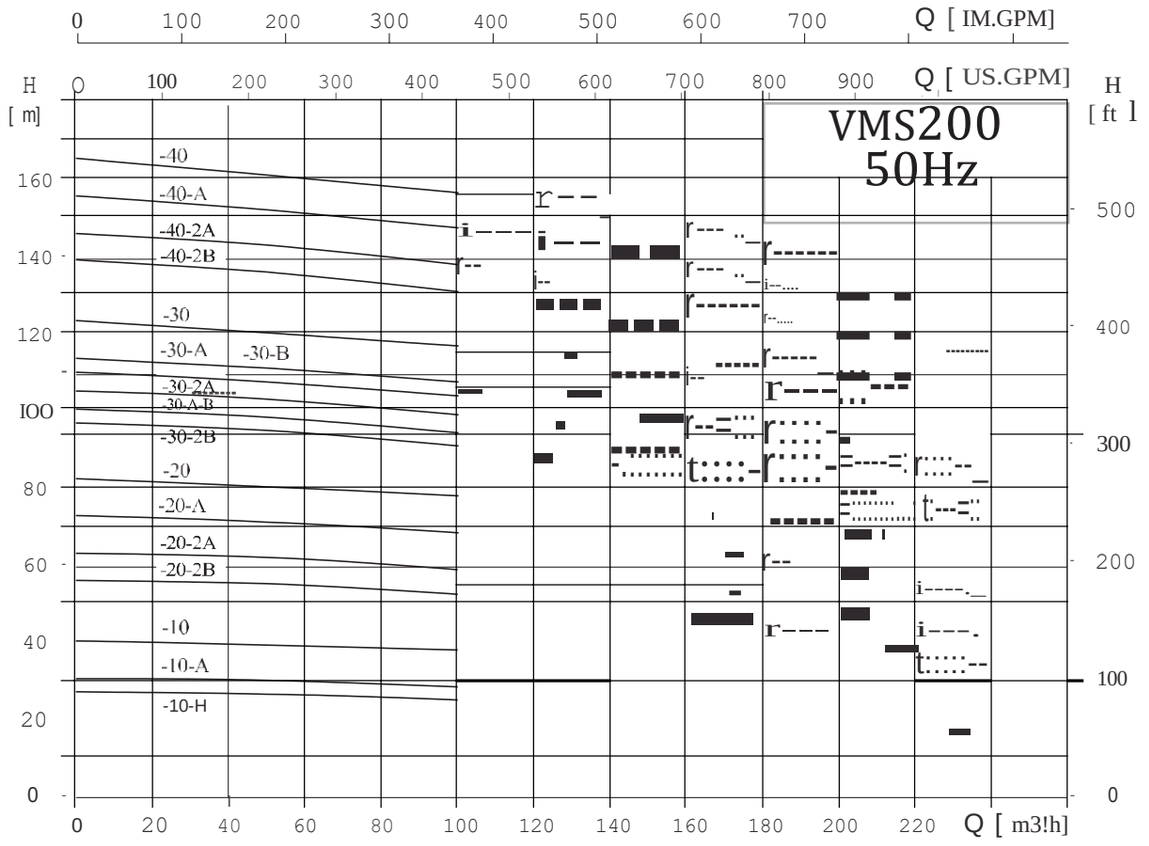
Installation

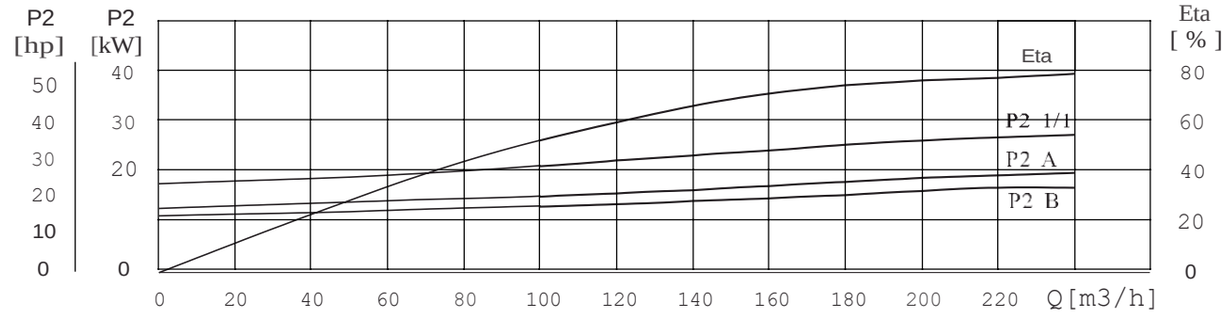
Dischage 150mm

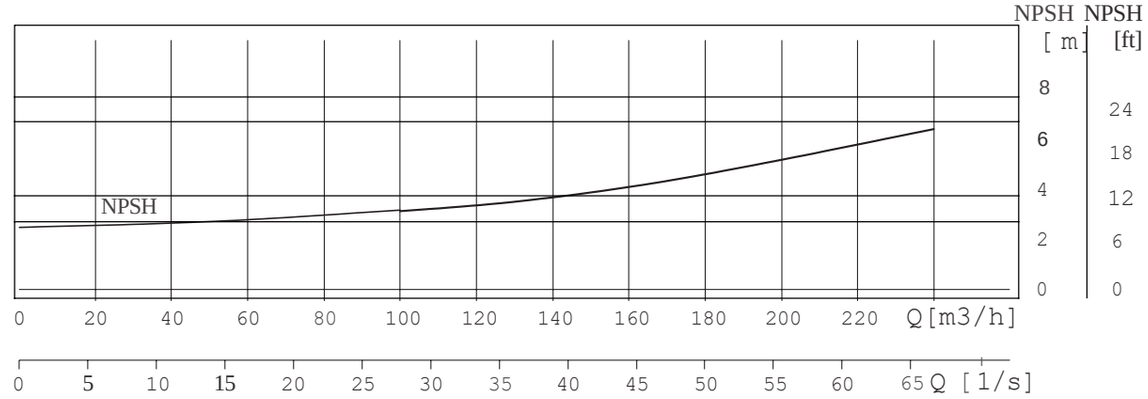


Pump Type	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
VMS 200-10-B	907	550	1457	330	255	311
VMS 200-10-A	907	575	1482	360	285	347
VMS 200-10	907	650	1557	400	310	403
VMS 200-20-2B	1101	650	1751	400	310	447
VMS 200-20-2A	1101	685	1786	460	340	504
VMS 200-20-A	1131	760	1891	540	370	595
VMS 200-20	1131	760	1891	540	370	595
VMS 200-30-2B	1325	845	2170	580	410	748
VMS 200-30-A-B	1325	845	2170	580	410	748
VMS 200-30-2A	1325	845	2170	580	410	748
VMS 200-30-B	1325	845	2170	580	410	748
VMS 200-30-A	1325	845	2170	580	410	748
VMS 200-30	1325	895	2220	580	410	817
VMS 200-40-2B	1519	895	2414	580	410	830
VMS 200-40-2A	1519	1140	2659	645	550	1180
VMS 200-40-A	1519	1140	2659	645	550	1180
VMS 200-40	1519	1140	2659	645	550	1180

Performance Curve







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