

50Hz
PVM-N & PVMI-N



A LEADER IN WATER TECHNOLOGY

Pentair is one of the world's leading companies in the planning and manufacture of innovative products and systems suitable in any situation requiring the treatment, transportation and storage of water. The activity and success of Pentair is based on values such as constant improvement, the continuous development of new products, high-performance, competence, business ethics and market leadership. Pentair's employees share personal values such as accountability, deep respect for people and the environment and a candid and practical work style. Strong customer relationships and high quality standards allow Pentair to rank amongst the leading producers of technology and instruments for water treatment.



FLOW TECHNOLOGIES

Vertical and horizontal centrifugal pumps; submersible pumps for domestic, commercial, agricultural and industrial use; pumps for the drainage of clear and wastewaters; pressure booster units and fire-fighting systems.



FILTRATION

Industrial, residential and commercial filtration systems; filter cartridges, components for the filtration of drinking water, pumps for mobile homes and boats and pumps and accessories for applications in industry and the catering service.

SAFE, CLEAN WATER

Providing clean, safe water to an ever-growing portion of the population is the mission of Pentair: a valid organization is engaged to serve our customers in an efficient manner through production plants located in every corner of the world and specialized sales and marketing networks.



WATER TREATMENT

Residential, commercial and industrial water conditioning control valves; fibre-glass wound expansion tanks and vessels; water storage tanks.



POOL AND SPA

A complete range of pool/spa equipment and accessories: filters, pumps, heating and lighting systems and cleaning accessories; dosing and control systems and products and accessories for fountains and ponds.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

HIGH HYDRAULIC EFFICIENCY MOTOR DESIGNED TO EN STANDARDS

The PVM(I)-N are non-self priming vertical multistage pump of in-line design, flanged connections with same size suction and discharge ports.

Stage construction with stainless steel impellers, chambers and pressure casing. Pump steel shaft and motor shaft of the IEC-standards motor are directly close coupled.

PVM(I)-N pumps have different pump sizes and various numbers of stages to provide the flow and the pressure required.



APPLICATIONS

- Water supply
- Pressure boosting systems
- Water treatment/filtration
- Irrigation
- High pressure washes
- Liquid transfer
- Firefighting systems
- Boiler feed



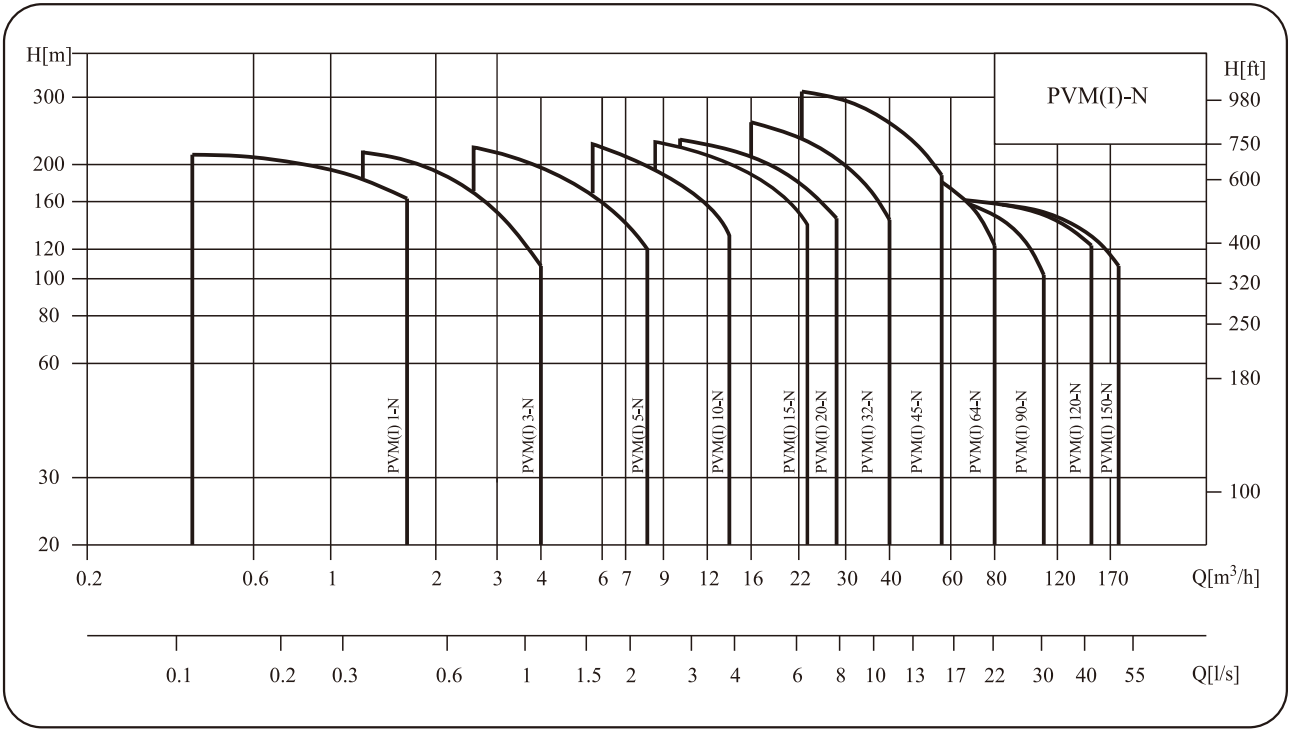
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PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

PERFORMANCE RANGE



PRODUCT RANGE

PRODUCT DATA	PVM(I) 1-N	PVM(I) 3-N	PVM(I) 5-N	PVM(I) 10-N	PVM(I) 15-N	PVM(I) 20-N
Nominal Flow (m³/h)	1	3	5	10	15	20
Nominal Flow (l/s)	0.28	0.83	1.39	2.78	4.17	5.6
Flow Range (m³/h)	0.4~1.8	1.2~4	2.5~8.5	5~13	8~23	10~28
Flow Range (l/s)	0.11~0.5	0.33~1.1	0.69~2.36	1.39~3.61	2.22~6.39	2.8~7.8
Max. Pressure(bar)	21	22	24	23	23	23
Motor Power(Kw)	0.37~2.2	0.37~3	0.37~5.5	0.75~7.5	1.1~15	1.1~18.5
Temperature Range(°C)	-15~105					
Max. Effi.(%)	44	50	63	70	73	69
DIN Flange	DN25	DN25	DN32	DN40	DN50	DN50

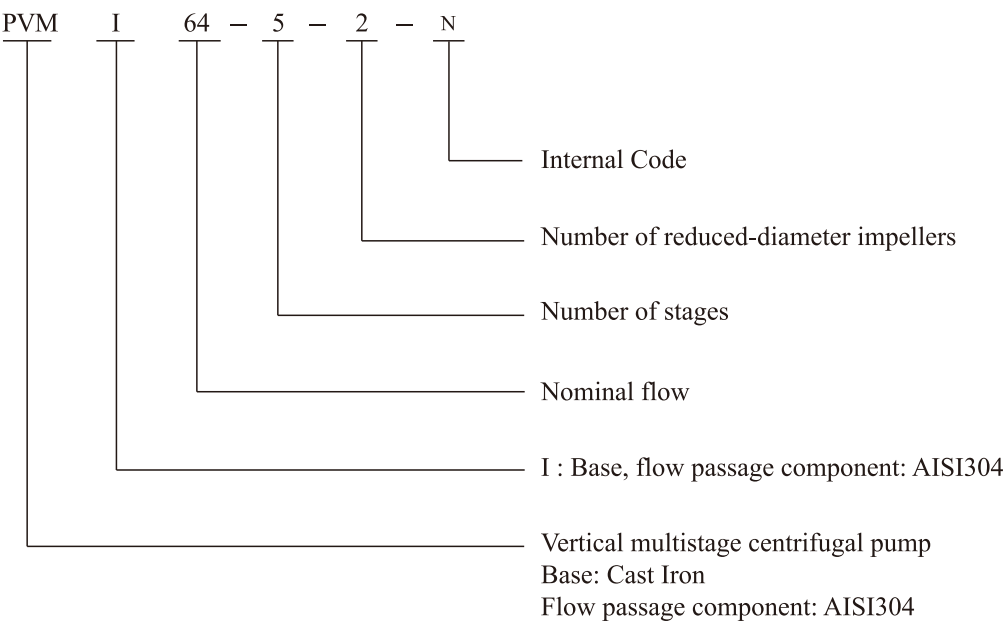
PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

PRODUCT RANGE

PRODUCT DATA	PVM(I) 32-N	PVM(I) 45-N	PVM(I) 64-N	PVM(I) 90-N	PVM(I) 120-N	PVM(I) 150-N
Nominal Flow (m³/h)	32	45	64	90	120	150
Nominal Flow (l/s)	8.9	12.5	17.8	25	33.3	41.7
Flow Range (m3/h)	16~40	25~55	30~80	50~110	60~150	80~180
Flow Range (l/s)	4.4~11	6.9~15.3	8~22	14~30	17~42	22~50
Max. Pressure(bar)	26	30	22	17	16	16
Motor Power(Kw)	1.5~30	3~45	4~45	5.5~45	11~75	11~75
Temperature Range(°C)	-15~105					
Max. Effi.(%)	74	75	76	77	74	73
Pipe connection						
DIN Flange	DN65	DN80	DN100	DN100	DN125	DN125

MODEL DESCRIPTION



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Instruction

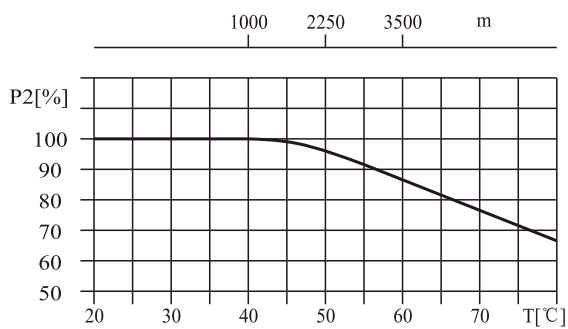
- PVM(I)-N is non self-priming vertical multistage pump and with standard motor, motor shaft and pump shaft are connected directly by coupling. The pump is composed of a base and a pump head. The chamber stack and the outer sleeve are secured between pump head and base by staybolts. The base is with the suction and discharge ports on the same level for inline installation.
- Pump can be configured with smart device accordingly, in order to protect pump from dry run, loss of phase, overload, etc.

Single performance curve

- All performance curves are based on the motor in constant speed of 2900 RPM or 2950 RPM.
- Tolerance to meet ISO 9906 Annex A.
- All measurement have been made with airless water at 20°C temperature, and with kinematic viscosity of 1mm²/s
- To prevent motor overloading or pump overheating, pump is to be selected to operate at the recommended performance range as indicated on the pump performance curve.

Altitude and Ambient temperature

- When pump works in the condition ambient temperature>40°C or altitude>1000m. the output of motor P2 will be lower, the power of motor should be bigger.

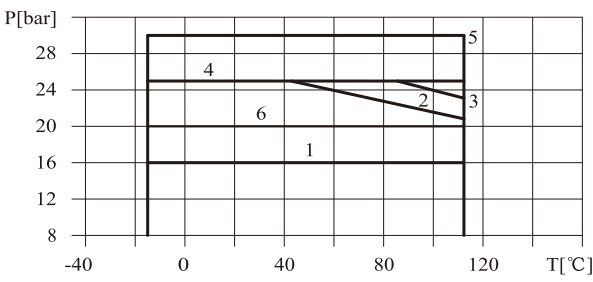


Motor

- Totally enclosed, air-cooled secondary standard motor
Degree of protection: IP55
Insulation class:F
Standard voltage: 380V/50Hz 400V/50Hz 415V/50Hz 230V/60Hz 380V/60Hz 400V/60Hz 440V/60Hz 460V/60Hz
Other voltage of the motor is available on request
Single phase motors from 0.37W-2.2KW are available on request

Max. Working Pressure

- Below graph showing the limit of pressure and temperature, pressure and temperature shall be in the range shown below.



Pump Model		Curve No.
PVM(I) 1/3/5-N		2
PVM(I) 10/15/20-N		3
PVM(I) 32-N	32-1-1~32-7	1(5)
	32-8-2~32-12	4(5)
	32-13-2~32-16	5
PVM(I) 45-N	45-1-1~45-6	1(5)
	45-7-2~45-9	4(5)
	45-10-2~45-13-2	5
PVM(I) 64-N	64-1-1~64-5	1(4)
	64-6-2~64-8-1	4
PVM(I) 90-N	90-1-1~90-5-2	1(4)
	90-5~90-6	4
PVM(I) 120/150-N		6

Note:The curves in brackets need to customize

Working Condition

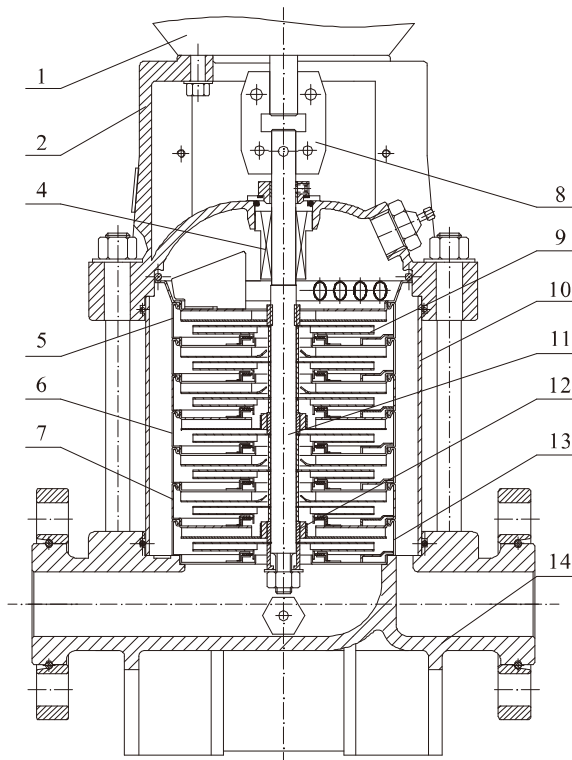
Thin, clean, non-flammable liquid without solid particles or fibers.

- Liquid Temperature:
Room temperature type: -15°C,+70°C
Hot water type: -15°C, +105°C
- Environment Temperature:Max.40°C
- Altitude:Max.1000m

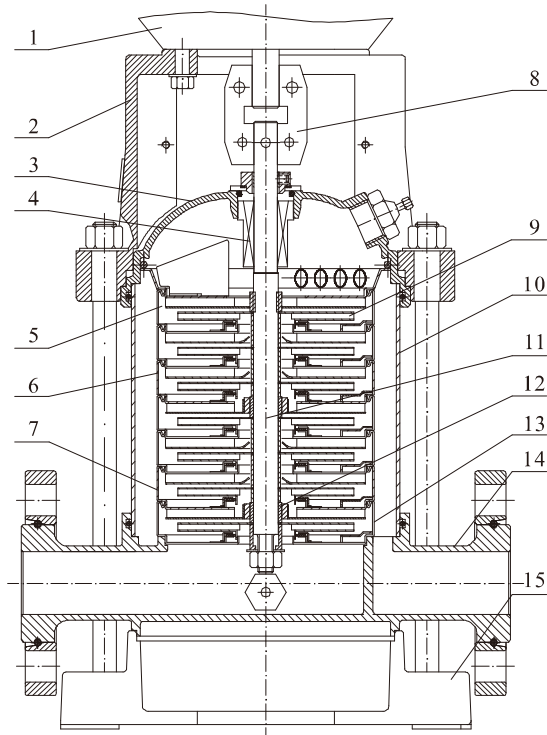
PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

STRUCTURE CHART PVM-N & PVMI-N 1,3,5



PVM-N



PVMI-N

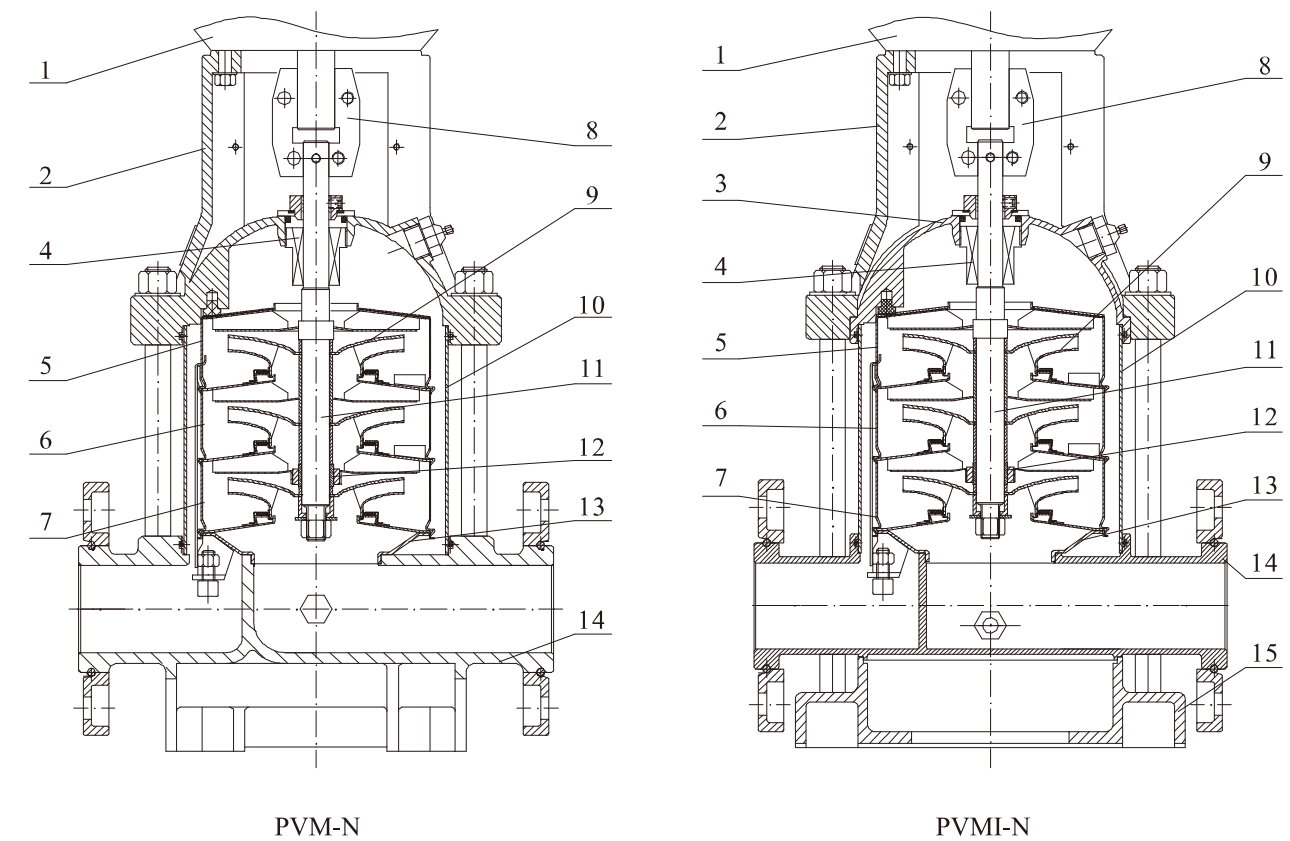
MATERIAL PVM-N & PVMI-N 1,3,5

POS.	Description	PVM-N		PVMI-N	
		Material	AISI/ASTM	Material	AISI/ASTM
1	Motor	Assembling unit		Assembling unit	
2	Motor bracket	Cast Iron	ASTM25B	Cast Iron	ASTM25B
4	Mechanical seal	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304
5	Outlet guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
6	Guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
7	Support guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
8	Coupling	Ductile Iron	ASTM70-50-05	Ductile Iron	ASTM70-50-05
9	Impeller	Stainless Steel	AISI304	Stainless Steel	AISI304
10	Shell	Stainless Steel	AISI304	Stainless Steel	AISI304
11	Pump Shaft	Stainless Steel	AISI304	Stainless Steel	AISI304
12	Bearing	Tungsten Carbide	-	Tungsten Carbide	-
13	Inlet guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
3	Pump head	-	-	Stainless Steel	AISI304
14	Base	Cast Iron	ASTM25B	Stainless Steel	AISI304
15	Base Plate	-	-	Cast Iron	ASTM25B

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

STRUCTURE CHART PVM-N & PVMI-N 10, 15, 20



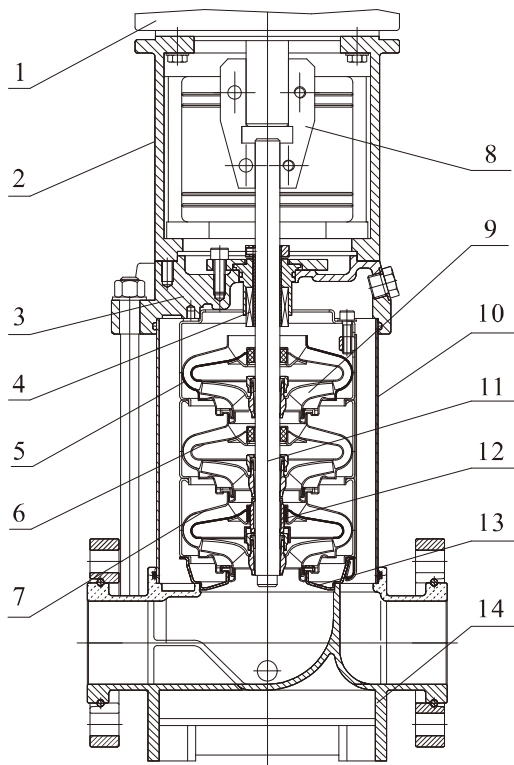
MATERIAL PVM-N & PVMI-N 10, 15, 20

POS.	Description	PVM-N		PVMI-N	
		Material	AISI/ASTM	Material	AISI/ASTM
1	Motor	Assembling unit		Assembling unit	
2	Motor bracket	Cast Iron	ASTM25B	Cast Iron	ASTM25B
4	Mechanical seal	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304
5	Outlet guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
6	Guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
7	Support guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
8	Coupling	Ductile Iron	ASTM70-50-05	Ductile Iron	ASTM70-50-05
9	Impeller	Stainless Steel	AISI304	Stainless Steel	AISI304
10	Shell	Stainless Steel	AISI304	Stainless Steel	AISI304
11	Pump Shaft	Stainless Steel	AISI304	Stainless Steel	AISI304
12	Bearing	Tungsten Carbide	-	Tungsten Carbide	-
13	Inlet guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
3	Pump head	-	-	Stainless Steel	AISI304
14	Base	Cast Iron	ASTM25B	Stainless Steel	AISI304
15	Base Plate	-	-	Cast Iron	ASTM25B

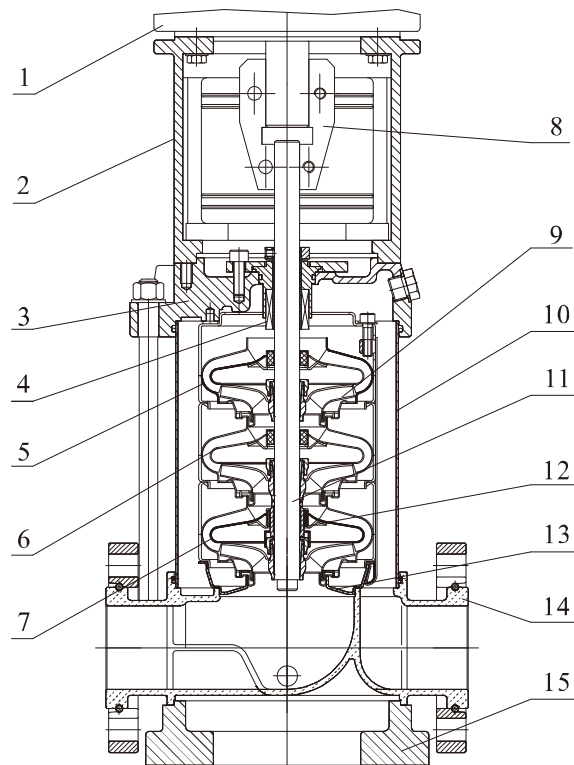
PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

STRUCTURE CHART PVM-N & PVMI-N 32, 45, 64, 90



PVM-N



PVMI-N

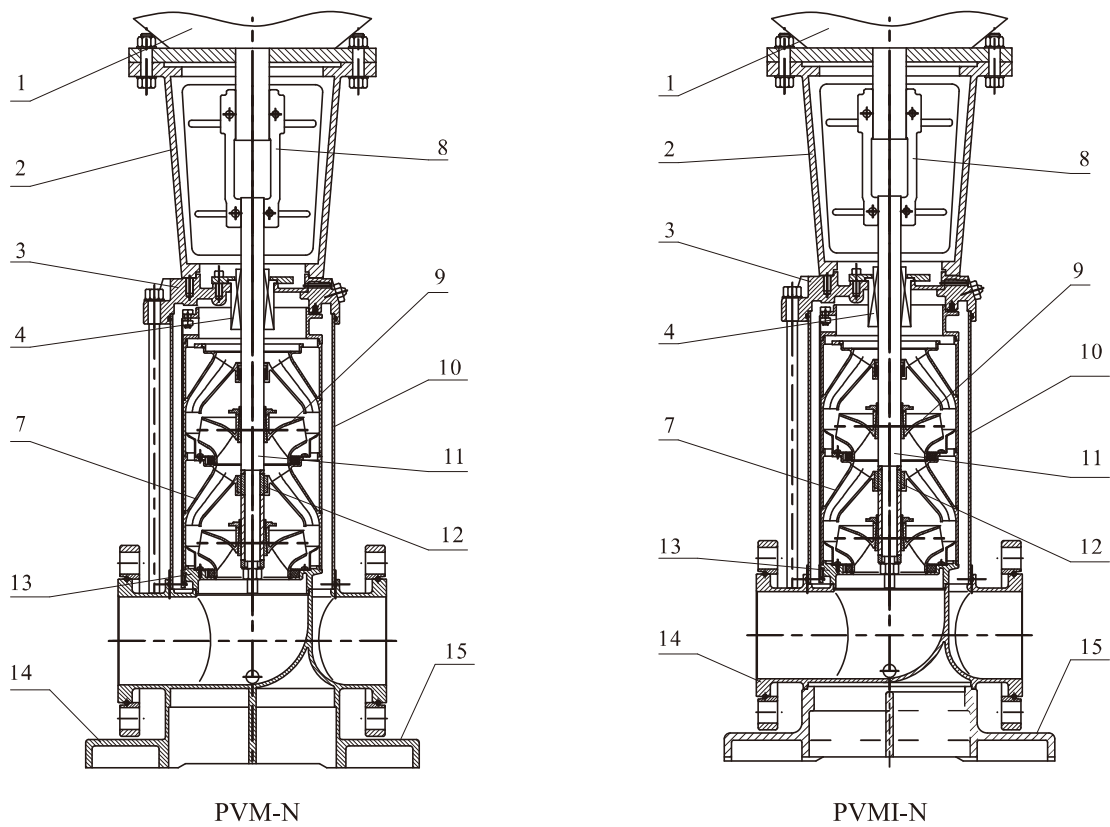
MATERIAL PVM-N & PVMI-N 32, 45, 64, 90

POS.	Description	PVM-N		PVMI-N	
		Material	AISI/ASTM	Material	AISI/ASTM
1	Motor	Assembling unit		Assembling unit	
2	Motor bracket	Cast Iron	ASTM25B	Cast Iron	ASTM25B
4	Mechanical seal	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304
5	Outlet guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
6	Guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
7	Support guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
8	Coupling	Ductile Iron	ASTM70-50-05	Ductile Iron	ASTM70-50-05
9	Impeller	Stainless Steel	AISI304	Stainless Steel	AISI304
10	Shell	Stainless Steel	AISI304	Stainless Steel	AISI304
11	Pump Shaft	Stainless Steel	AISI304	Stainless Steel	AISI304
12	Bearing	Tungsten Carbide	-	Tungsten Carbide	-
13	Inlet guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
3	Pump head	Cast Iron	ASTM25B	Stainless Steel	AISI304
14	Base	Cast Iron	ASTM25B	Stainless Steel	AISI304
15	Base Plate	-	-	Cast Iron	ASTM25B

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

STRUCTURE CHART PVM-N & PVMI-N 120, 150



MATERIAL PVM-N & PVMI-N 120, 150

		PVM-N		PVMI-N	
POS.	Description	Material	AISI/ASTM	Material	AISI/ASTM
1	Motor	Assembling unit		Assembling unit	
2	Motor bracket	<55KW:Cast Iron	ASTM25B	<55KW:Cast Iron	ASTM25B
		>=55KW:Ductile Iron	ASTM 70-50-05	>=55KW:Ductile Iron	ASTM 70-50-05
4	Mechanical seal	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304	Face Bellow Hardware	Tungsten carbide / Graphite Fluororubber SS304
7	Support guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
8	Coupling	Ductile Iron	ASTM 70-50-05	Ductile Iron	ASTM 70-50-05
9	Impeller	Stainless Steel	AISI304	Stainless Steel	AISI304
10	Shell	Stainless Steel	AISI304	Stainless Steel	AISI304
11	Pump Shaft	Stainless Steel	AISI304	Stainless Steel	AISI304
12	Bearing	Tungsten Carbide	-	Tungsten Carbide	-
13	Inlet guide vane	Stainless Steel	AISI304	Stainless Steel	AISI304
15	Base plate	Ductile Iron	ASTM 70-50-05	Ductile Iron	ASTM 70-50-05
3	Pump Head	<55KW:Cast Iron	ASTM25B	Stainless Steel	AISI304
		>=55KW:Ductile Iron	ASTM 70-50-05		
14	Base	<55KW:Cast Iron	ASTM25B	Stainless Steel	AISI304
		>=55KW:Ductile Iron	ASTM 70-50-05		

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

MIN. INLET PRESSURE NPSH

If pump pressure is lower than the transferring vapour pressure, cavitation can occur. Make sure there is a minimum vapour pressure at the pump suction side, the maximum suction H [m] can be calculated by the following formula:

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

P_b = Atmospheric pressure

(Atmospheric pressure can be set to 1 bar)

For the closed system, P_b is system pressure.

NPSH = net positive suction head [m]

(Data available from the pump performance curve)

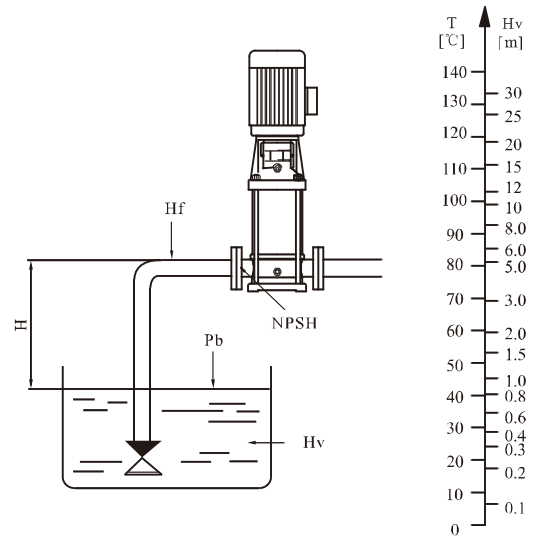
H_f = Entrance Line loss [m]

H_v = vapour pressure [m]

H_s : Safety margin = minimum 0.5 m head

Calculated H is positive, the pump can be run in the condition of Max. suction.

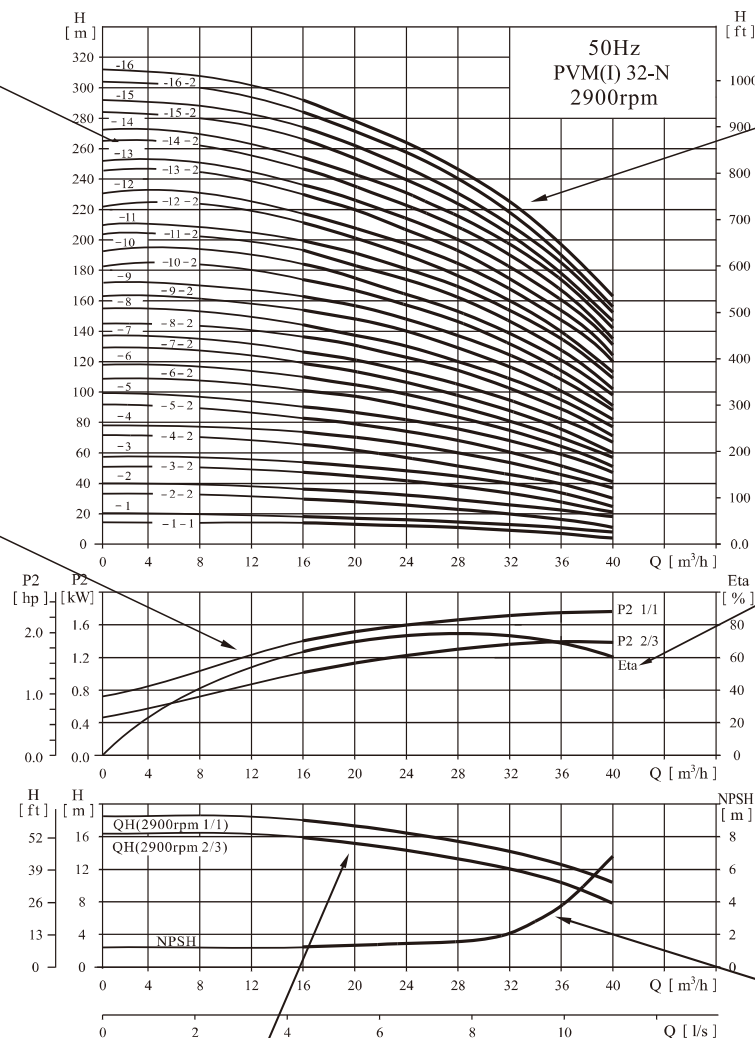
Calculated H is negative, there must be a minimum inlet pressure of water head



Check to ensure that the pump will be not in cavitation.

Number of stages:
First figure: Number of stages
Second figure: Number of reduced-diameter impellers

Function curves show input power curves of each series. There are complete impeller type (1/1) and for reduced-diameter (2/3) impellers



Q-H curve, the bold line is recommended performance range

Eta curve is the pump efficiency curve, pump efficiency is about 2% lower than shown for pumps with reduced-diameter impellers

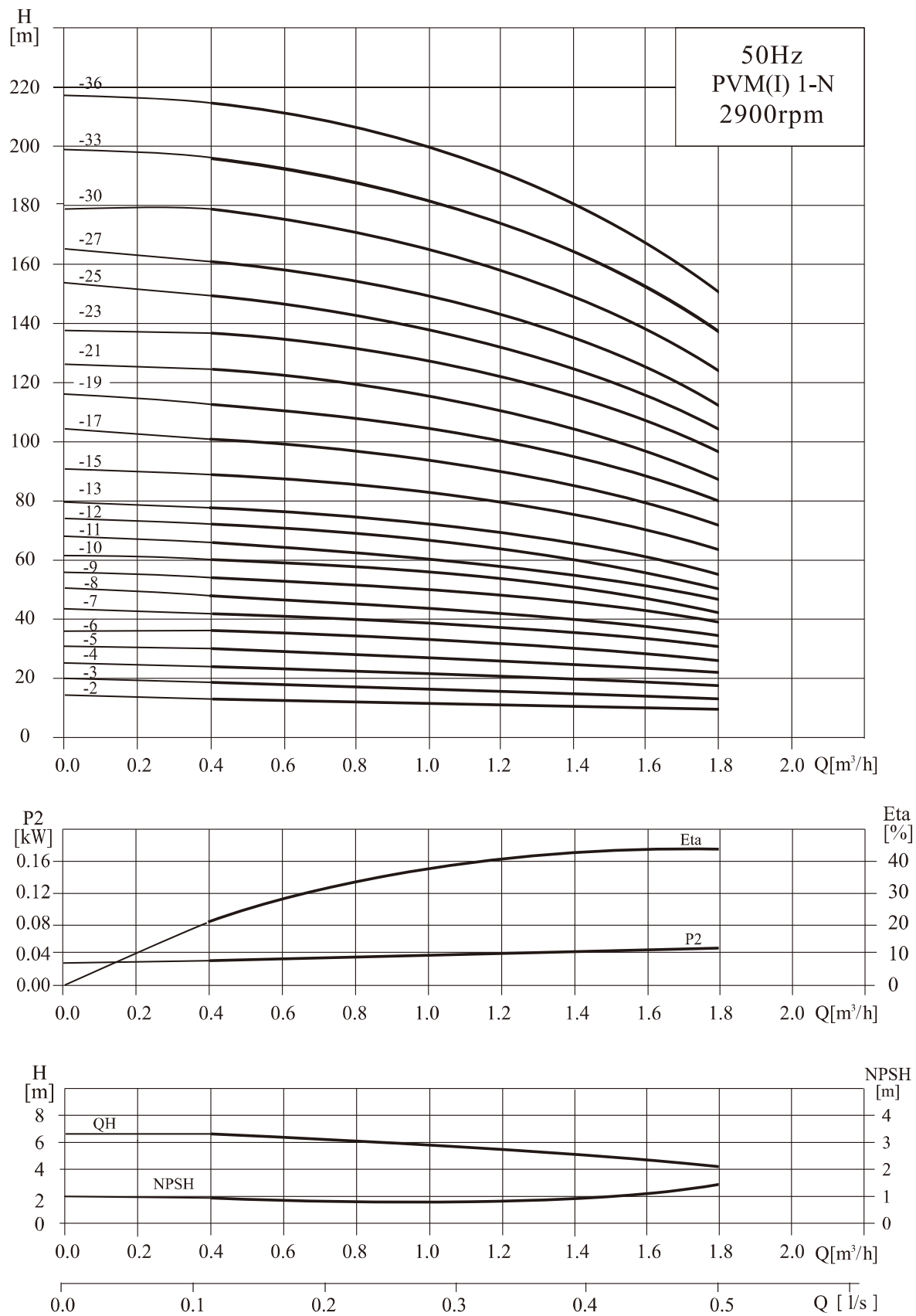
NPSH curve is the average for all curves of the series. Please add at least 0.5m safety margin.

Q-H curves for each series impeller. Cures showing complete impeller type (1/1) and for reduced-diameter (2/3) impellers

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

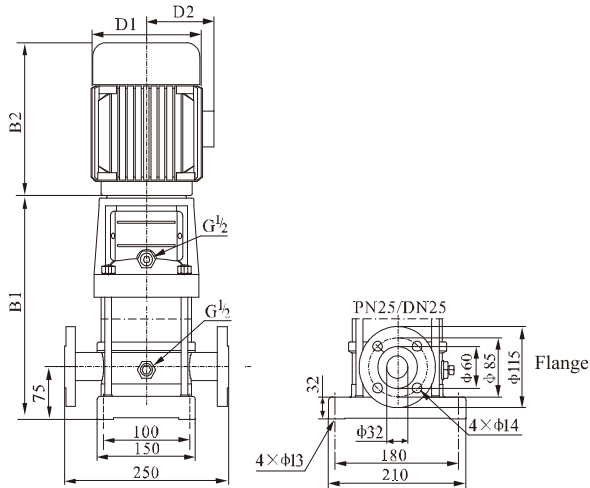
HYDRAULIC PERFORMANCE



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 1-2-N	258	239	497	148	117	20
PVM(I) 1-3-N	276	239	515	148	117	20
PVM(I) 1-4-N	294	239	533	148	117	21
PVM(I) 1-5-N	312	239	551	148	117	21
PVM(I) 1-6-N	330	239	569	148	117	22
PVM(I) 1-7-N	348	239	587	148	117	23
PVM(I) 1-8-N	366	239	605	148	117	24
PVM(I) 1-9-N	384	239	623	148	117	25
PVM(I) 1-10-N	402	239	641	148	117	26
PVM(I) 1-11-N	420	239	659	148	117	26
PVM(I) 1-12-N	448	280	728	170	142	29
PVM(I) 1-13-N	466	280	746	170	142	30
PVM(I) 1-15-N	502	280	782	170	142	31
PVM(I) 1-17-N	538	280	818	170	142	33
PVM(I) 1-19-N	574	280	854	170	142	34
PVM(I) 1-21-N	610	280	890	170	142	35
PVM(I) 1-23-N	646	280	926	170	142	36
PVM(I) 1-25-N	692	333	1025	190	155	42
PVM(I) 1-27-N	728	333	1061	190	155	43
PVM(I) 1-30-N	782	333	1115	190	155	45
PVM(I) 1-33-N	836	333	1169	190	155	49
PVM(I) 1-36-N	890	333	1223	190	155	51

Performance table

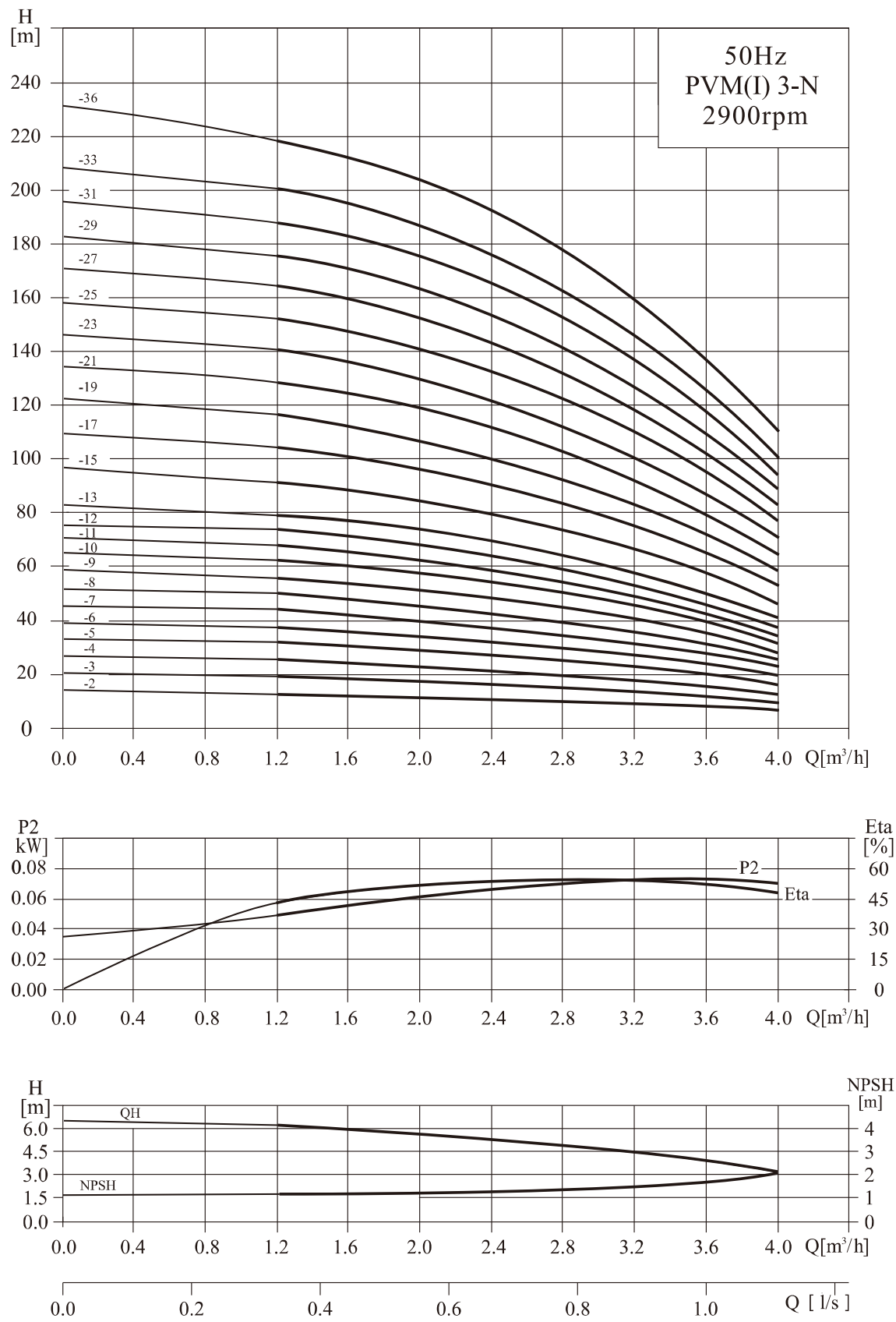
Model	Motor (kw)	Q (m ³ /h)	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8
PVM(I) 1-2-N	0.37	H (m)	13	12.5	12	11.5	11	10.5	10	9.5
PVM(I) 1-3-N	0.37		19	18	17.5	17	16.5	16	15	14
PVM(I) 1-4-N	0.37		24	23.5	23	22.5	21.5	21	19	18
PVM(I) 1-5-N	0.37		30	29.6	29	28	27	26	24	22
PVM(I) 1-6-N	0.37		36	35.5	35	33.5	33	31	28	26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

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

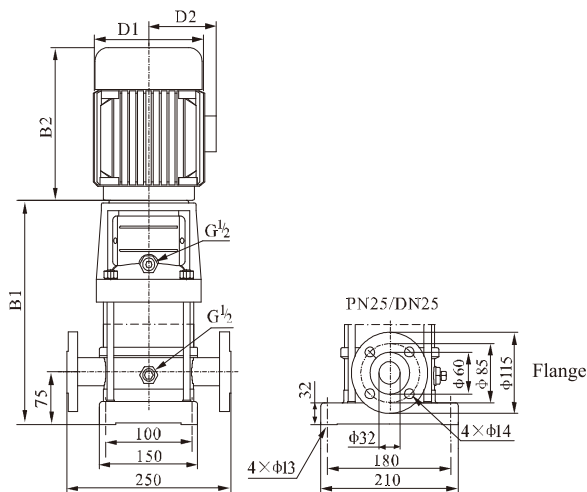
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

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PVM(I) 3-6-N	330	239	569	148	117	23
PVM(I) 3-7-N	348	239	587	148	117	24
PVM(I) 3-8-N	376	280	656	170	142	27
PVM(I) 3-9-N	394	280	674	170	142	28
PVM(I) 3-10-N	412	280	692	170	142	28
PVM(I) 3-11-N	430	280	710	170	142	29
PVM(I) 3-12-N	448	280	728	170	142	30
PVM(I) 3-13-N	466	280	746	170	142	31
PVM(I) 3-15-N	502	280	782	170	142	32
PVM(I) 3-17-N	548	333	881	190	155	38
PVM(I) 3-19-N	584	333	917	190	155	39
PVM(I) 3-21-N	620	333	953	190	155	42
PVM(I) 3-23-N	656	333	989	190	155	43
PVM(I) 3-25-N	692	333	1025	190	155	44
PVM(I) 3-27-N	728	333	1061	190	155	45
PVM(I) 3-29-N	764	333	1097	190	155	46
PVM(I) 3-31-N	810	348	1158	197	165	54
PVM(I) 3-33-N	846	348	1194	197	165	55
PVM(I) 3-36-N	900	348	1248	197	165	57

Performance table

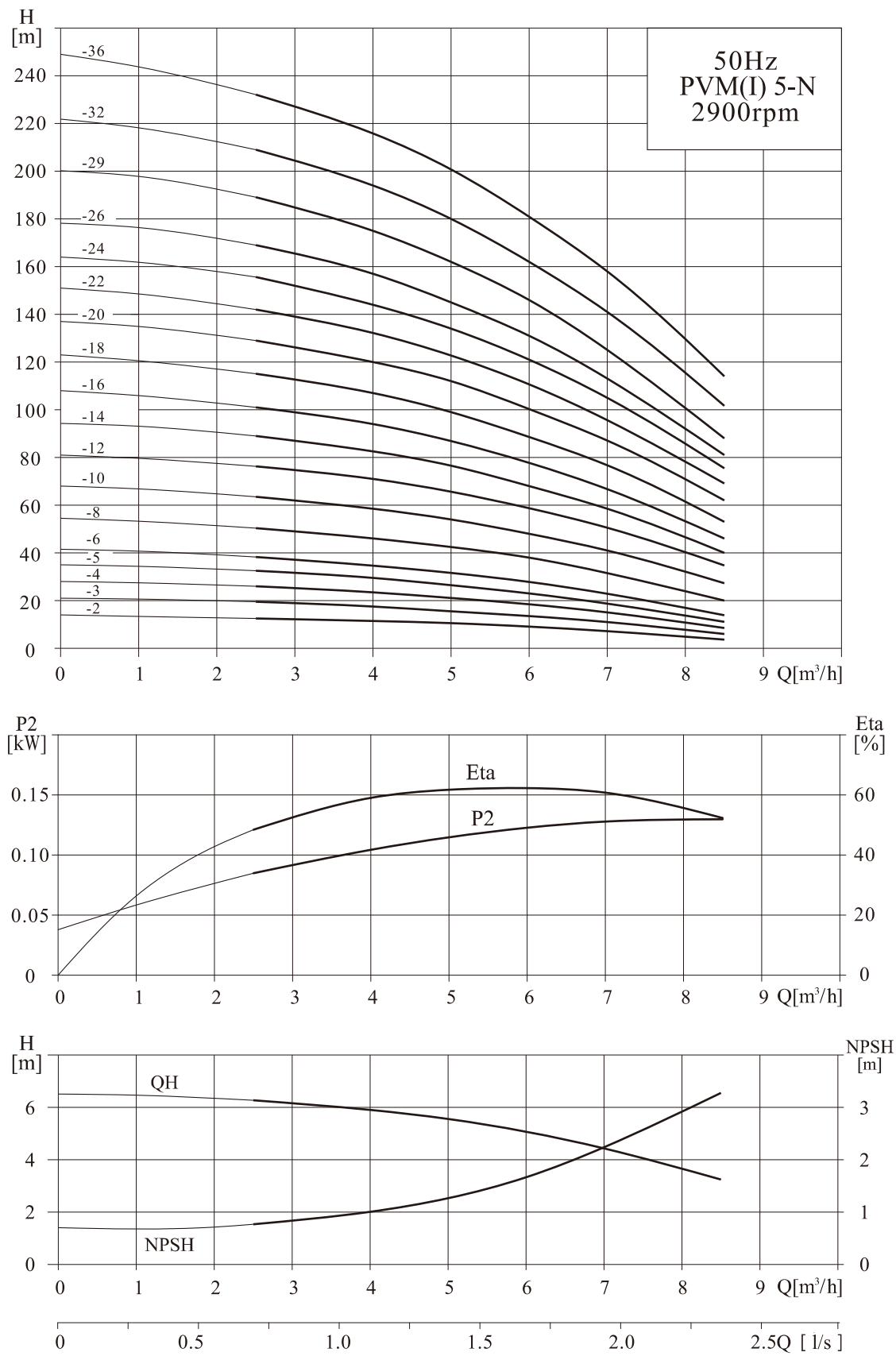
Model	Motor (kw)	Q (m ³ /h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
PVM(I) 3-2-N	0.37	H (m)	12.5	11.5	11	10.5	10	9	8	7	6
PVM(I) 3-3-N	0.37		19	18.5	17.5	16.5	15	14	13	11	9
PVM(I) 3-4-N	0.37		25	24	23	21.5	20	19	18	15	12
PVM(I) 3-5-N	0.37		31	30	29	27	25	23	22	19	16
PVM(I) 3-6-N	0.55		36	35	34	32	30	28	27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

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

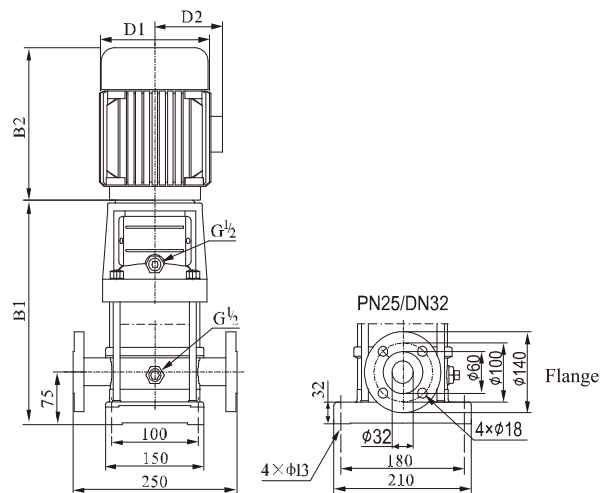
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 5-2-N	276	239	515	148	117	21
PVM(I) 5-3-N	303	239	541	148	117	22
PVM(I) 5-4-N	330	239	569	148	117	23
PVM(I) 5-5-N	367	280	647	170	142	25
PVM(I) 5-6-N	394	280	674	170	142	26
PVM(I) 5-8-N	448	280	728	170	142	27
PVM(I) 5-10-N	512	333	845	190	155	33
PVM(I) 5-12-N	566	333	899	190	155	37
PVM(I) 5-14-N	620	333	953	190	155	38
PVM(I) 5-16-N	674	333	1007	190	155	39
PVM(I) 5-18-N	738	348	1086	197	165	48
PVM(I) 5-20-N	792	348	1140	197	165	49
PVM(I) 5-22-N	846	382	1228	230	188	57
PVM(I) 5-24-N	900	382	1282	230	188	58
PVM(I) 5-26-N	954	382	1336	230	188	59
PVM(I) 5-29-N	1035	382	1417	230	188	60
PVM(I) 5-32-N	1136	435	1571	260	210	75
PVM(I) 5-36-N	1244	435	1679	260	210	76

Performance table

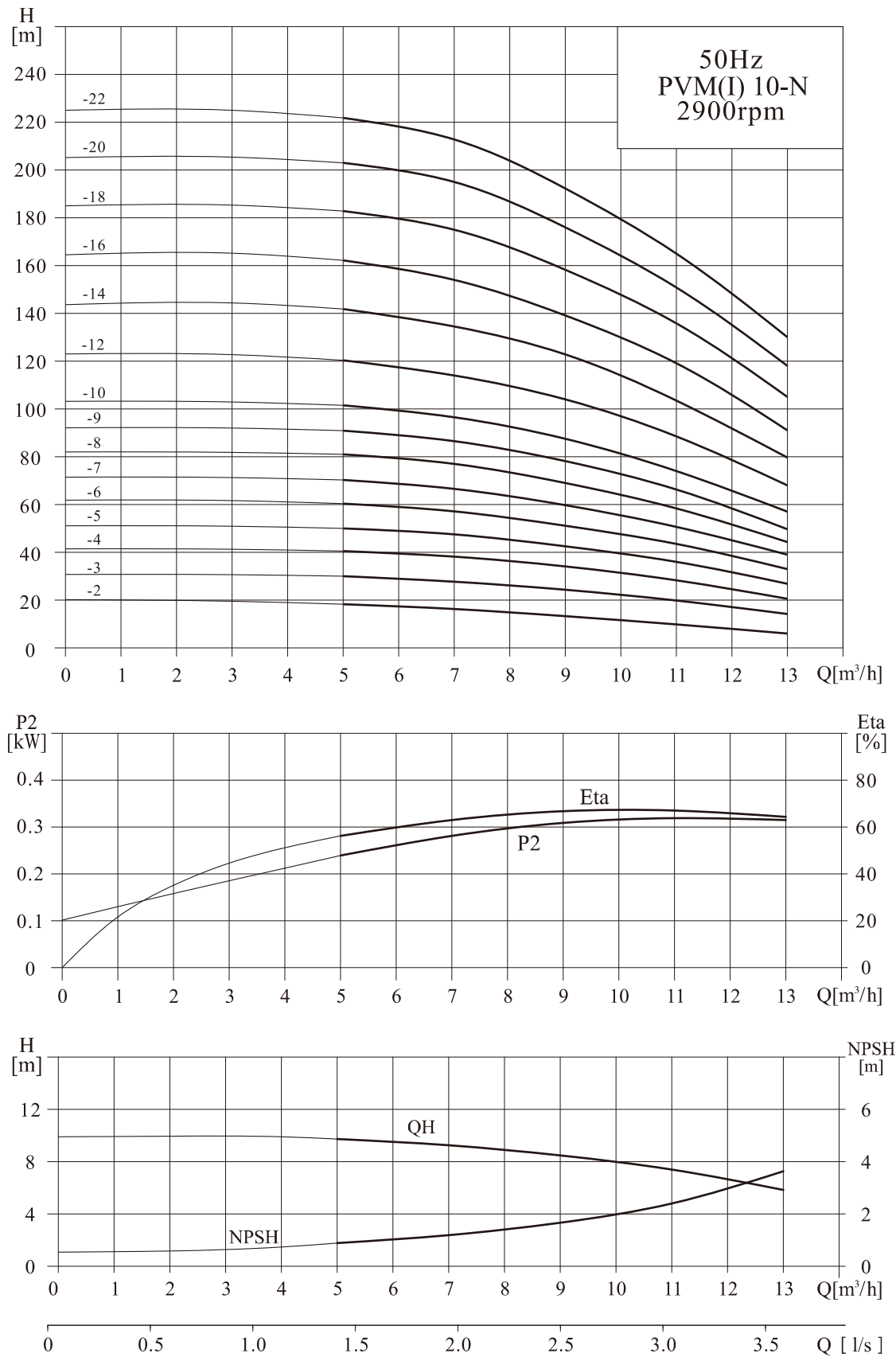
Model	Motor (kw)	Q (m ³ /h)	2.5	4	5	6	7	8.5
PVM(I) 5-2-N	0.37	H (m)	12.5	11.5	10.5	9	7	3.5
PVM(I) 5-3-N	0.55		19.5	17.5	15.5	13.5	11	6
PVM(I) 5-4-N	0.55		26	23.5	21	18.5	15	8.5
PVM(I) 5-5-N	0.75		32.5	29.5	26.5	23	18.5	11
PVM(I) 5-6-N	1.1		38.5	34.5	31.5	28	23	14
PVM(I) 5-8-N	1.1		50.5	46	42.5	38	31.5	20
PVM(I) 5-10-N	1.5		63.5	58.5	54	48	41	27.5
PVM(I) 5-12-N	2.2		76	71	65.5	58.5	50.5	35
PVM(I) 5-14-N	2.2		89	82	76.5	68	58.5	40
PVM(I) 5-16-N	2.2		101	94	87	77.5	66.5	46
PVM(I) 5-18-N	3.0		115	107	99	88.5	77	53
PVM(I) 5-20-N	3.0		129	120	112	100	87	62
PVM(I) 5-22-N	4.0		142	132	123	111	96	69
PVM(I) 5-24-N	4.0		156	144	134	121	105	75.5
PVM(I) 5-26-N	4.0		169	157	145	131	113	81
PVM(I) 5-29-N	4.0		189	175	162	146	125	88
PVM(I) 5-32-N	5.5		209	194	180	162	141	102
PVM(I) 5-36-N	5.5		232	216	201	181	158	114

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

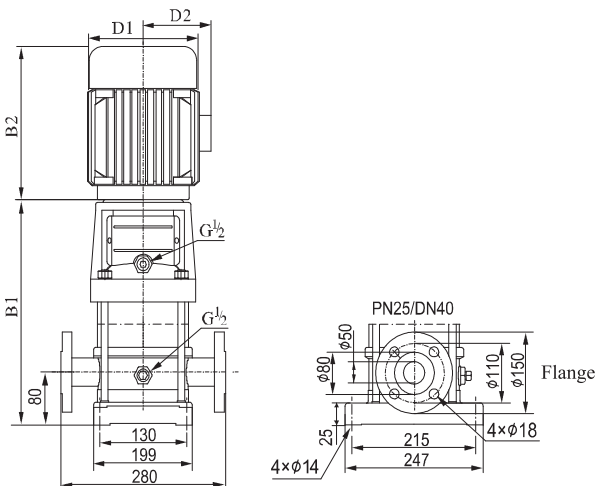
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 10-2-N	347	280	627	170	142	32
PVM(I) 10-3-N	377	280	657	170	142	34
PVM(I) 10-4-N	417	333	750	190	155	40
PVM(I) 10-5-N	447	333	780	190	155	44
PVM(I) 10-6-N	477	333	810	190	155	45
PVM(I) 10-7-N	517	348	865	197	165	52
PVM(I) 10-8-N	547	348	895	197	165	53
PVM(I) 10-9-N	577	348	925	197	165	54
PVM(I) 10-10-N	607	382	989	230	188	64
PVM(I) 10-12-N	667	382	1049	230	188	66
PVM(I) 10-14-N	747	435	1182	260	210	81
PVM(I) 10-16-N	807	435	1242	260	210	82
PVM(I) 10-18-N	867	435	1302	260	210	93
PVM(I) 10-20-N	927	435	1362	260	210	94
PVM(I) 10-22-N	987	435	1422	260	210	95

Performance table

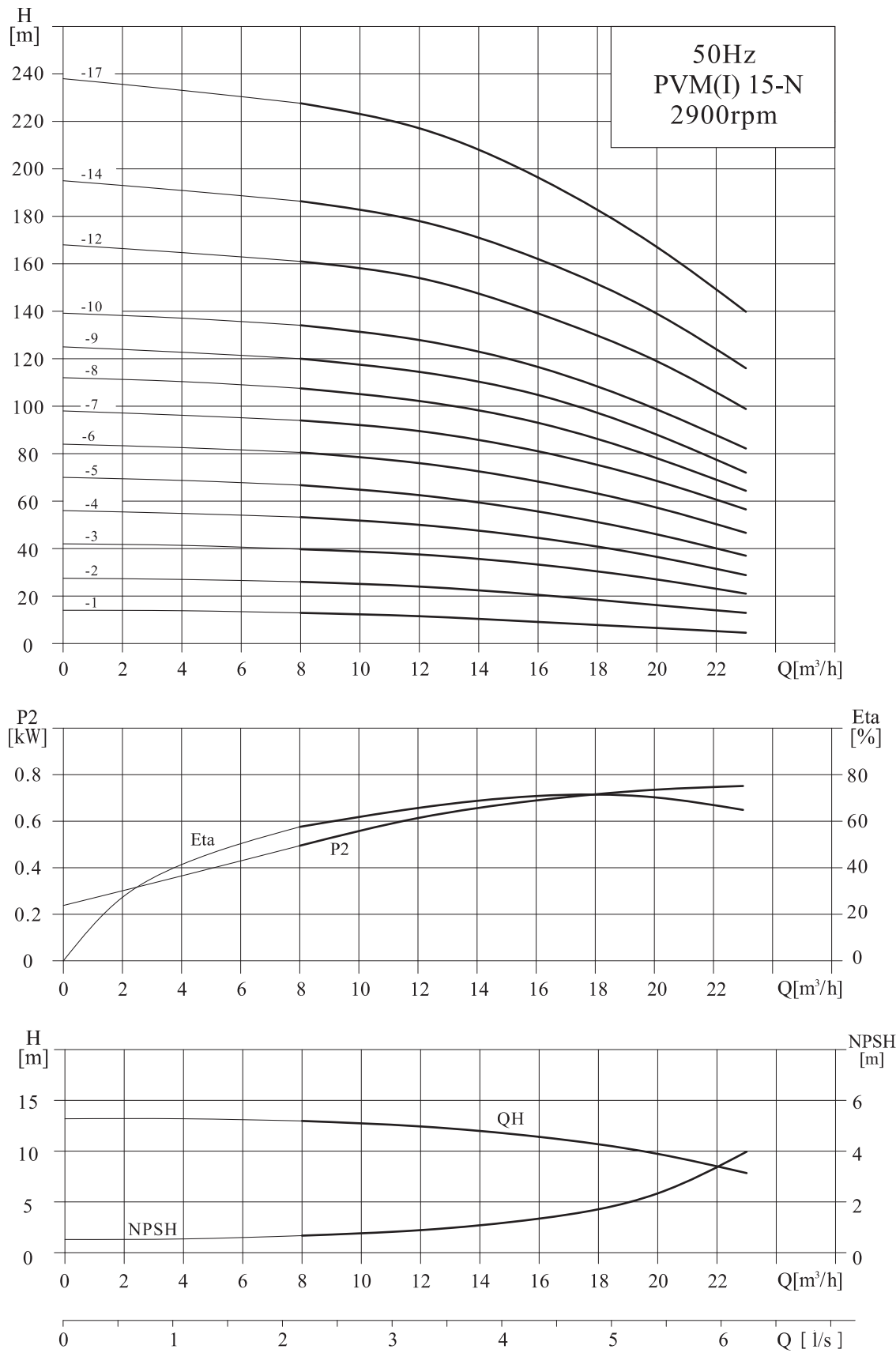
Model	Motor (kw)	Q (m³/h)	5	6	7	8	9	10	11	12	13
PVM(I) 10-2-N	0.75	H (m)	18.5	17	16	14	13	12	10	8.5	7
PVM(I) 10-3-N	1.1		30	28.5	27.5	25.5	24.5	22	20	18	14.5
PVM(I) 10-4-N	1.5		40.5	39.5	38.5	36.5	34	31.5	28.5	25.5	21
PVM(I) 10-5-N	2.2		50	49	47.5	45.5	42.5	39.5	36	32	27
PVM(I) 10-6-N	2.2		60	59	57	55	51	47.5	43.5	39	33.5
PVM(I) 10-7-N	3.0		70.5	69	66.5	64	59.5	55.5	50.5	45.5	39
PVM(I) 10-8-N	3.0		81	79	77	74.5	69	64	58.5	53	44.5
PVM(I) 10-9-N	3.0		91	89	86.5	82.5	78	72	66.5	59.5	50
PVM(I) 10-10-N	4.0		101.5	99	96.5	92.5	87.5	81.5	74	67	57
PVM(I) 10-12-N	4.0		120.5	119	114	110	104	97	88.5	80	68
PVM(I) 10-14-N	5.5		142	139	134.5	131	123	114	103.5	93.5	80
PVM(I) 10-16-N	5.5		162	159	154	148.5	139	130	119	107	91
PVM(I) 10-18-N	7.5		183	180	175	167	158	148	136	121	105
PVM(I) 10-20-N	7.5		203	200	195	186	176	165	151	134	118
PVM(I) 10-22-N	7.5		222	219	213	203	192	179	165	149	130

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PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

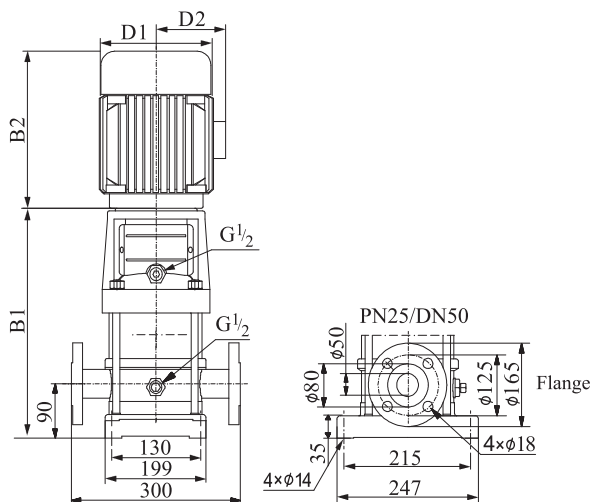
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 15-1-N	352	280	632	170	142	33
PVM(I) 15-2-N	397	333	730	190	155	42
PVM(I) 15-3-N	452	348	800	197	165	50
PVM(I) 15-4-N	497	382	879	230	188	59
PVM(I) 15-5-N	542	382	924	230	188	60
PVM(I) 15-6-N	607	435	1042	260	210	77
PVM(I) 15-7-N	652	435	1087	260	210	78
PVM(I) 15-8-N	697	435	1132	260	210	86
PVM(I) 15-9-N	742	435	1177	260	210	87
PVM(I) 15-10-N	875	580	1455	350	260	160
PVM(I) 15-12-N	965	580	1545	350	260	161
PVM(I) 15-14-N	1055	580	1635	350	260	162
PVM(I) 15-17-N	1190	580	1770	350	260	179

Performance table

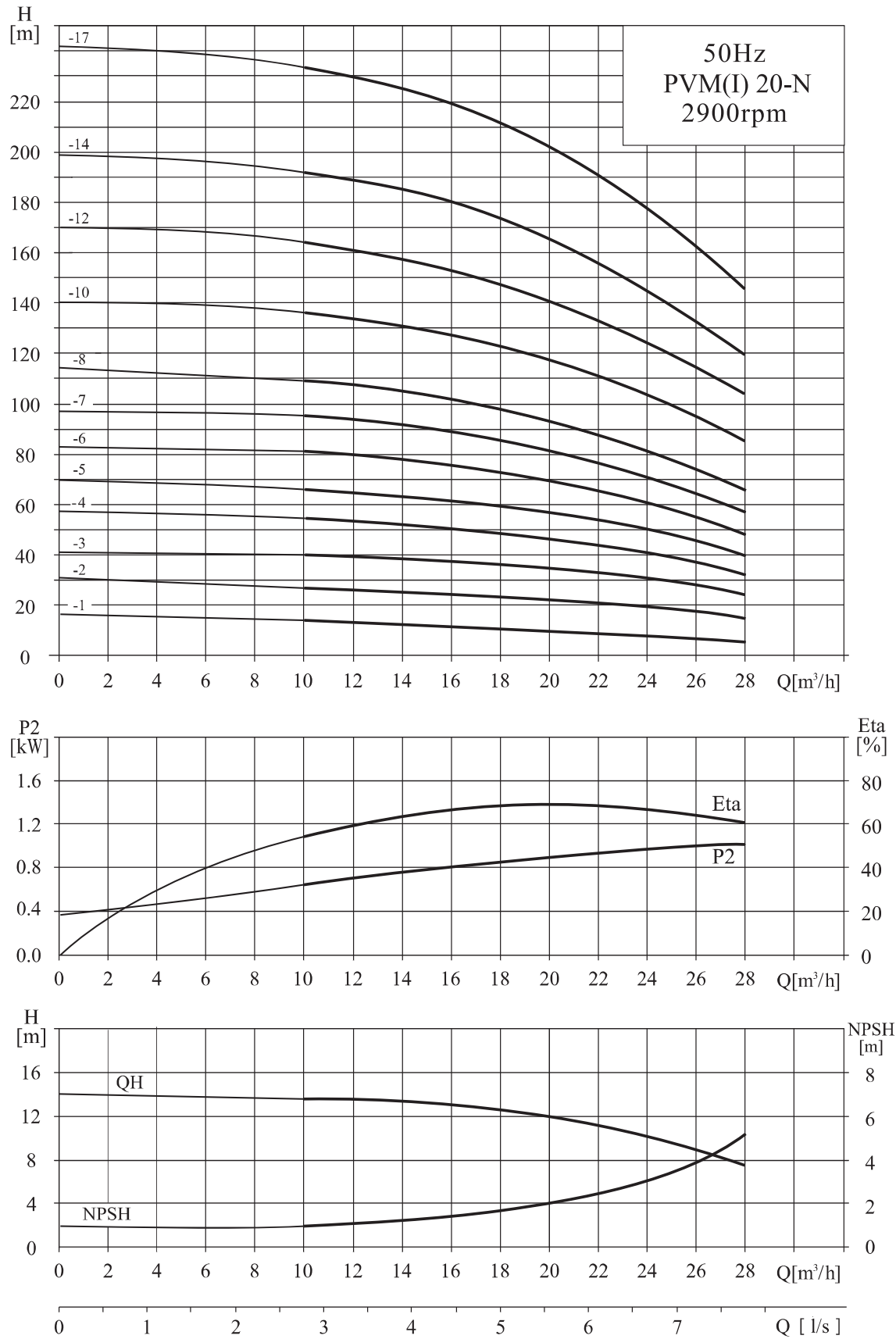
Model	Motor (kw)	Q (m ³ /h)	8	10	12	14	15	16	18	20	23
PVM(I) 15-1-N	1.1	H (m)	13	12	11.5	10.5	10	9	7.5	6	4.5
PVM(I) 15-2-N	2.2		26	25	24	23	22	20.5	18	16	13
PVM(I) 15-3-N	3.0		39.5	38.5	37.5	35.5	34.5	33.5	30.5	27	21
PVM(I) 15-4-N	4.0		53	51.5	50	47.5	46	44.5	41	36.5	29
PVM(I) 15-5-N	4.0		67	64.5	62.5	60	58	55.5	52	46	37
PVM(I) 15-6-N	5.5		80.5	78	76	73	70.5	68	63.5	57	46.5
PVM(I) 15-7-N	5.5		94	92	89.5	86	83.5	81	75.5	68.5	56.5
PVM(I) 15-8-N	7.5		107.5	106	102.5	98.5	96	93	86.5	78	64.5
PVM(I) 15-9-N	7.5		120	118	114.5	110	107	105	97	88	72
PVM(I) 15-10-N	11		134	132	128	123	120	116.5	108.5	98.5	82.5
PVM(I) 15-12-N	11		161	158	154	148	144	139	130	119	99
PVM(I) 15-14-N	11		186	183	178	172	167	162	152	139	116
PVM(I) 15-17-N	15		227	224	217	210	203	196	185	167	140

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

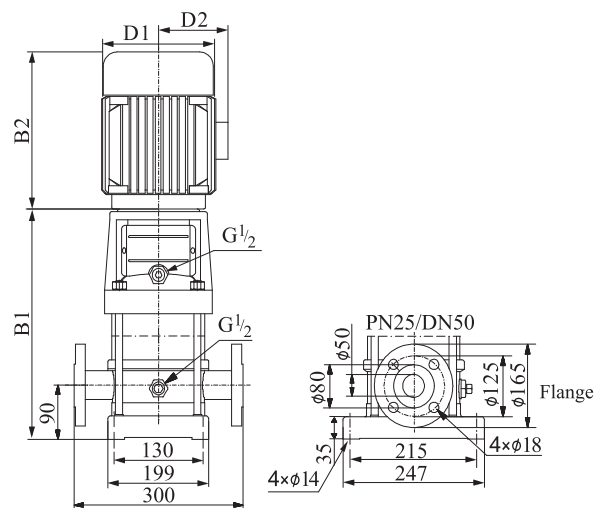
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 20-1-N	387	280	667	170	142	33
PVM(I) 20-2-N	397	333	730	190	155	42
PVM(I) 20-3-N	452	382	834	230	188	58
PVM(I) 20-4-N	517	435	952	260	210	74
PVM(I) 20-5-N	562	435	997	260	210	76
PVM(I) 20-6-N	607	435	1042	260	210	82
PVM(I) 20-7-N	652	435	1087	260	210	84
PVM(I) 20-8-N	785	580	1365	350	260	153
PVM(I) 20-10-N	875	580	1455	350	260	157
PVM(I) 20-12-N	965	580	1545	350	260	170
PVM(I) 20-14-N	1055	580	1635	350	260	172
PVM(I) 20-17-N	1190	610	1800	350	260	195

Performance table

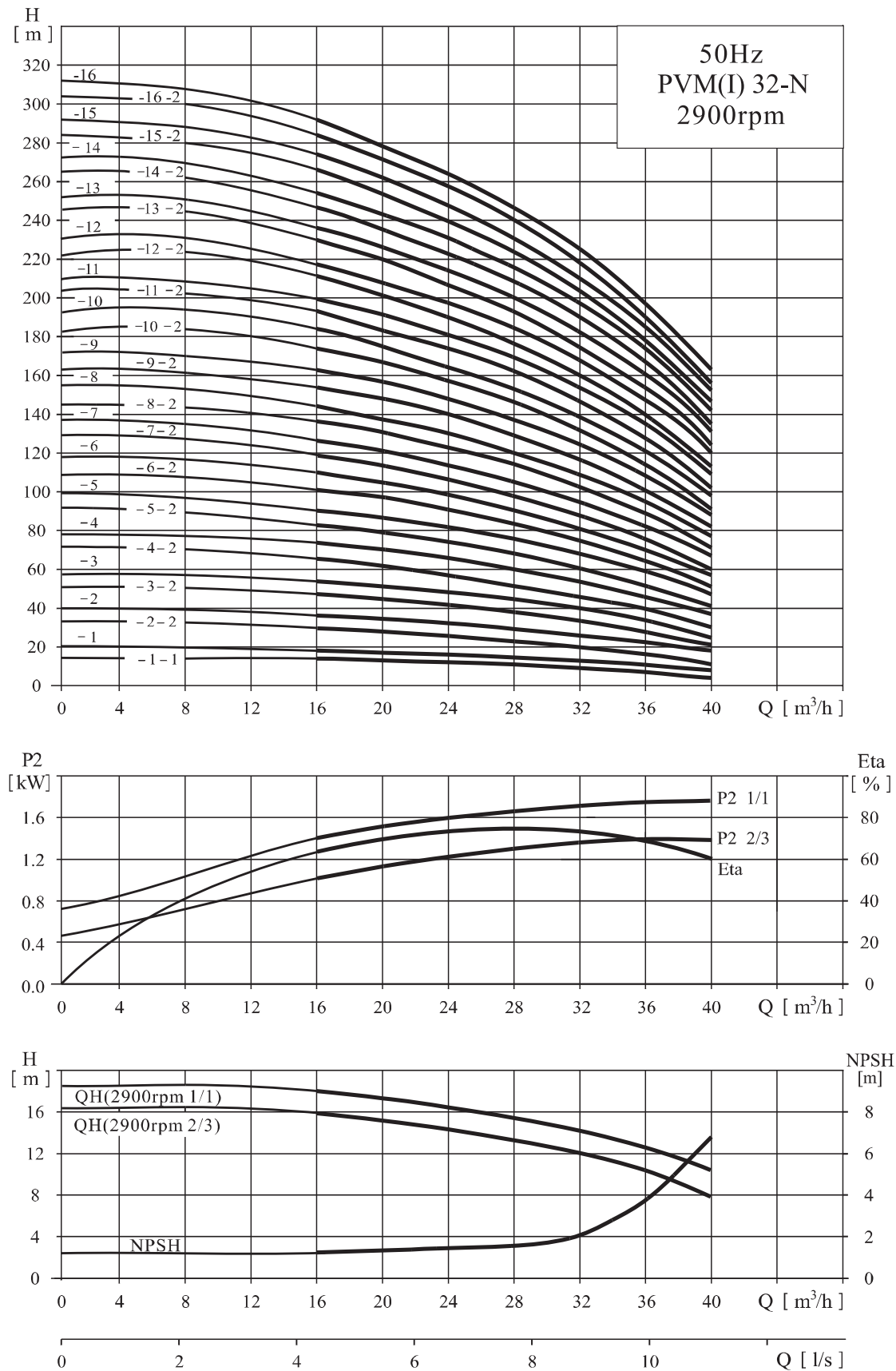
Model	Motor (kw)	Q (m³/h)	10	12	14	16	18	20	22	24	26	28
PVM(I) 20-1-N	1.1	H (m)	13.5	13	12.5	12	11	10	9	8	7	6
PVM(I) 20-2-N	2.2		27	26.5	26	25	24	23	22	20	18	15
PVM(I) 20-3-N	4.0		40	39.5	39	38	37	35	33	30	27	24
PVM(I) 20-4-N	5.5		54	53	52	51	49	47	44	41	37	33
PVM(I) 20-5-N	5.5		67	66	64	62	60	58	55	50	45	40
PVM(I) 20-6-N	7.5		81	79	77	75	73	70	66	61	55	49
PVM(I) 20-7-N	7.5		95	93	91	89	86	82	77	71	65	58
PVM(I) 20-8-N	11		109	107	105	102	99	94	89	82	75	67
PVM(I) 20-10-N	11		136	134	131	128	124	118	111	103	95	85
PVM(I) 20-12-N	15		164	162	158	154	149	142	133	124	114	102
PVM(I) 20-14-N	15		192	189	185	180	174	166	156	145	133	119
PVM(I) 20-17-N	18.5		234	230	225	219	212	202	190	177	162	145

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

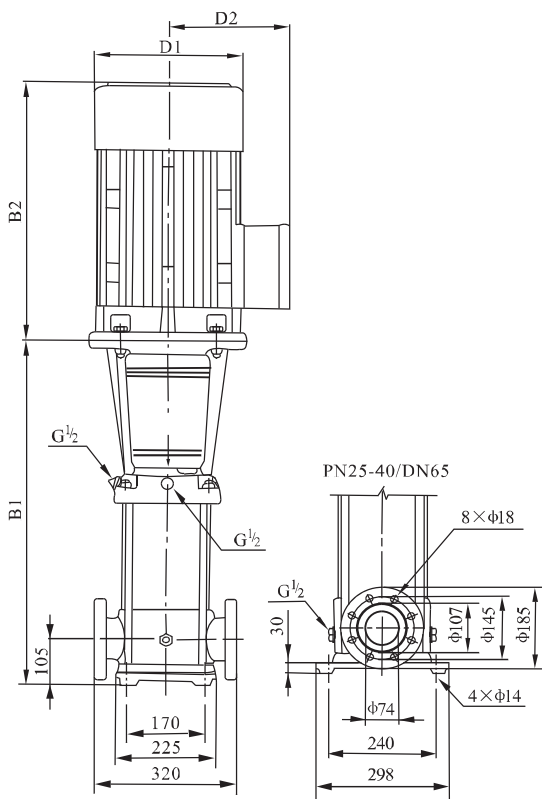
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight (Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 32-1-1-N/PVM(I) 32-1-N	505	333	838	190	155	67
PVM(I) 32-2-2-N/PVM(I) 32-2-N	575	370	945	197/230	165/188	83
PVM(I) 32-3-2-N/PVM(I) 32-3-N	645	435	1080	260	210	100
PVM(I) 32-4-2-N/PVM(I) 32-4-N	715	435	1150	260	210	109
PVM(I) 32-5-2-N/PVM(I) 32-5-N	890	580	1470	350	260	181
PVM(I) 32-6-2-N/PVM(I) 32-6-N	960	580	1540	350	260	185
PVM(I) 32-7-2-N/PVM(I) 32-7-N	1030	580	1610	350	260	199
PVM(I) 32-8-2-N/PVM(I) 32-8-N	1100	580	1680	350	260	203
PVM(I) 32-9-2-N/PVM(I) 32-9-N	1170	610	1780	350	260	222
PVM(I) 32-10-2-N/PVM(I) 32-10-N	1240	610	1850	350	260	227
PVM(I) 32-11-2-N/PVM(I) 32-11-N	1310	645	1955	360	285	272
PVM(I) 32-12-2-N/PVM(I) 32-12-N	1380	645	2025	360	285	276
PVM(I) 32-13-2-N/PVM(I) 32-13-N	1450	705	2155	400	310	337
PVM(I) 32-14-2-N/PVM(I) 32-14-N	1520	705	2225	400	310	341
PVM(I) 32-15-2-N/PVM(I) 32-15-N	1590	705	2295	400	310	345
PVM(I) 32-16-2-N/PVM(I) 32-16-N	1660	705	2365	400	310	350

Performance table

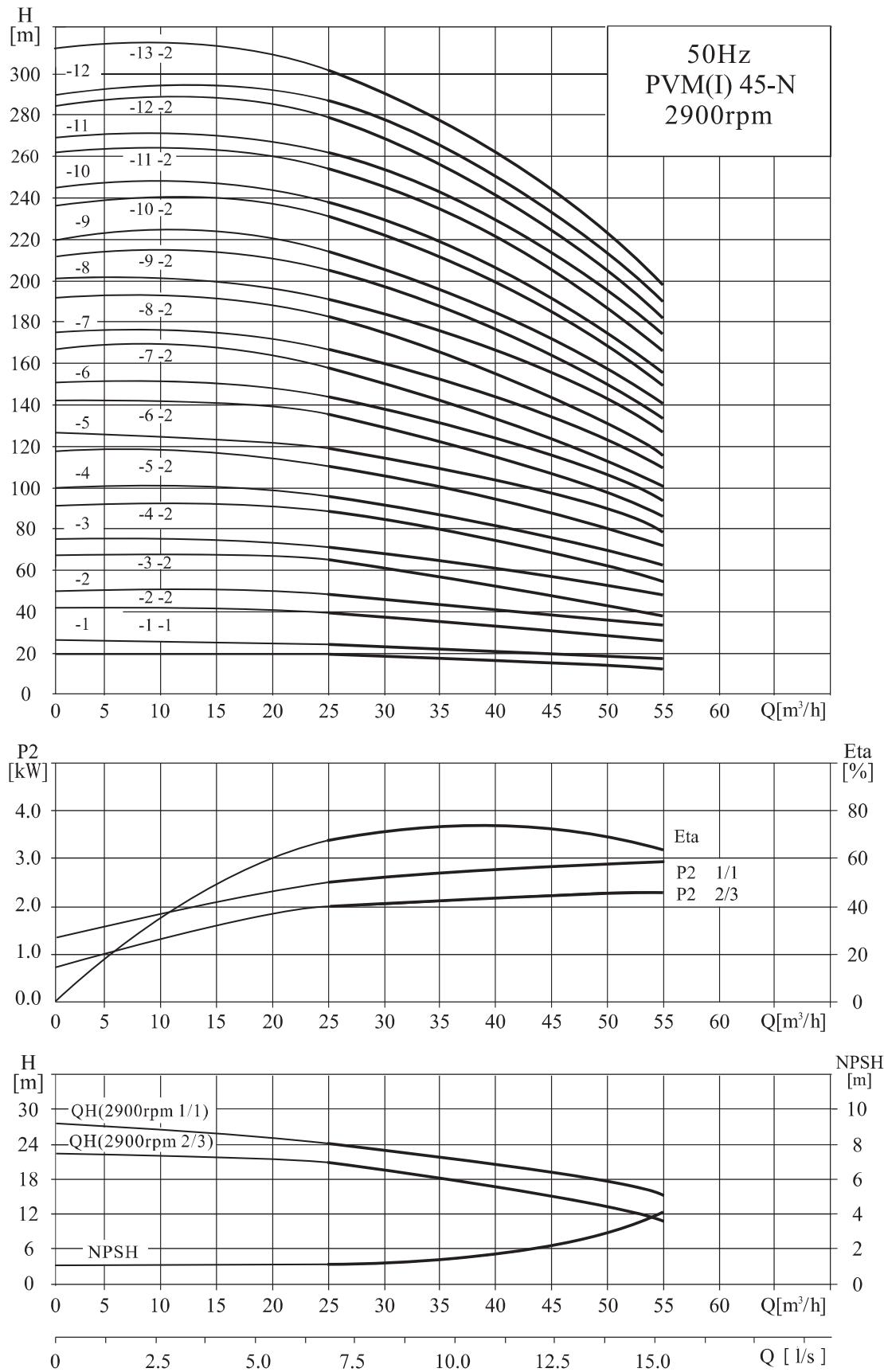
Model	Motor (kw)	Q (m ³ /h)	16	20	24	28	32	36	40
			16	20	24	28	32	36	40
PVM(I) 32-1-1-N	1.5	H (m)	14	13	12	11	9	7	4
PVM(I) 32-1-N	2.2		18	17	15	14	13	11	8
PVM(I) 32-2-2-N	3.0		29	28	26	23	20	16	11
PVM(I) 32-2-N	4.0		36	34	32	29	27	23	18
PVM(I) 32-3-2-N	5.5		47	44	41	38	33	28	21
PVM(I) 32-3-N	5.5		54	51	48	44	40	35	27
PVM(I) 32-4-2-N	7.5		65	62	58	53	46	40	30
PVM(I) 32-4-N	7.5		72	69	65	59	53	47	37
PVM(I) 32-5-2-N	11		83	79	74	68	60	52	41
PVM(I) 32-5-N	11		90	86	81	74	67	59	47
PVM(I) 32-6-2-N	11		101	97	90	83	74	65	51
PVM(I) 32-6-N	11		108	104	97	90	81	72	57
PVM(I) 32-7-2-N	15		119	114	107	98	88	78	60
PVM(I) 32-7-N	15		126	121	113	105	95	85	67
PVM(I) 32-8-2-N	15		136	131	123	114	102	90	71
PVM(I) 32-8-N	15		144	138	130	120	109	97	77
Model	Motor (kw)	Q (m ³ /h)	16	20	24	28	32	36	40
			16	20	24	28	32	36	40
PVM(I) 32-9-2-N	18.5	H (m)	154	148	140	129	117	102	82
PVM(I) 32-9-N	18.5		162	156	147	136	124	109	88
PVM(I) 32-10-2-N	18.5		175	166	157	146	131	115	91
PVM(I) 32-10-N	18.5		182	173	164	152	138	122	98
PVM(I) 32-11-2-N	22		193	184	173	164	146	128	102
PVM(I) 32-11-N	22		200	191	180	168	153	135	109
PVM(I) 32-12-2-N	22		211	201	189	178	160	140	113
PVM(I) 32-12-N	22		218	208	196	184	167	147	120
PVM(I) 32-13-2-N	30		230	218	206	193	174	153	124
PVM(I) 32-13-N	30		237	225	213	200	181	160	131
PVM(I) 32-14-2-N	30		247	235	222	210	189	165	135
PVM(I) 32-14-N	30		255	242	229	216	196	172	142
PVM(I) 32-15-2-N	30		266	253	239	224	203	178	145
PVM(I) 32-15-N	30		274	260	246	231	210	185	152
PVM(I) 32-16-2-N	30		284	270	255	240	218	190	156
PVM(I) 32-16-N	30		292	277	262	246	225	197	163

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

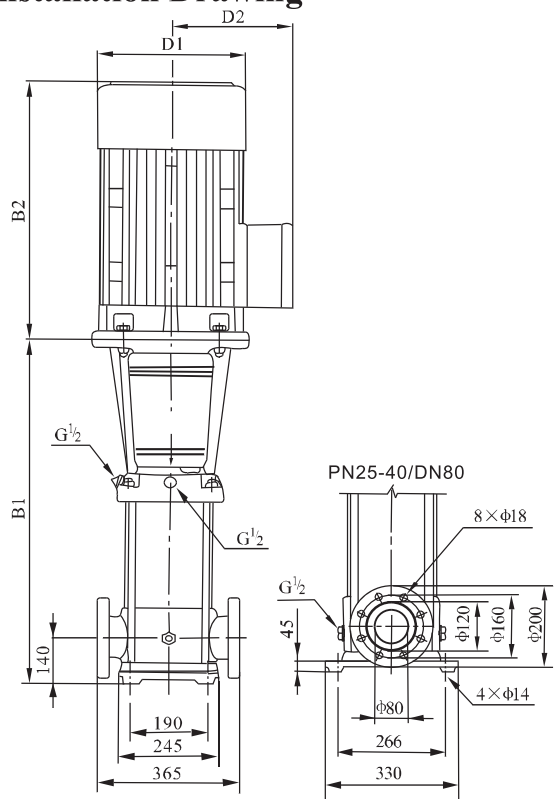
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 45-1-1-N	561	370	931	197	165	89
PVM(I) 45-1-N				230	188	
PVM(I) 45-2-2-N	641	435	1076	260	210	108
PVM(I) 45-2-N						
PVM(I) 45-3-2-N	826	580	1406	350	260	183
PVM(I) 45-3-N						
PVM(I) 45-4-2-N	906	580	1486	350	260	197
PVM(I) 45-4-N						
PVM(I) 45-5-2-N	986	610	1596	350	260	221
PVM(I) 45-5-N						
PVM(I) 45-6-2-N	1066	645	1711	360	285	261
PVM(I) 45-6-N						
PVM(I) 45-7-2-N	1146	705	1851	400	310	320
PVM(I) 45-7-N						
PVM(I) 45-8-2-N	1226	705	1931	400	310	324
PVM(I) 45-8-N						
PVM(I) 45-9-2-N	1306	705	2011	400	310	328/352
PVM(I) 45-9-N						
PVM(I) 45-10-2-N	1386	705	2091	400	310	355
PVM(I) 45-10-N						
PVM(I) 45-11-2-N	1466	740	2206	460	340	426
PVM(I) 45-11-N						
PVM(I) 45-12-2-N	1546	740	2286	460	340	432
PVM(I) 45-12-N						
PVM(I) 45-13-2-N	1626	740	2366	460	340	438

Performance table

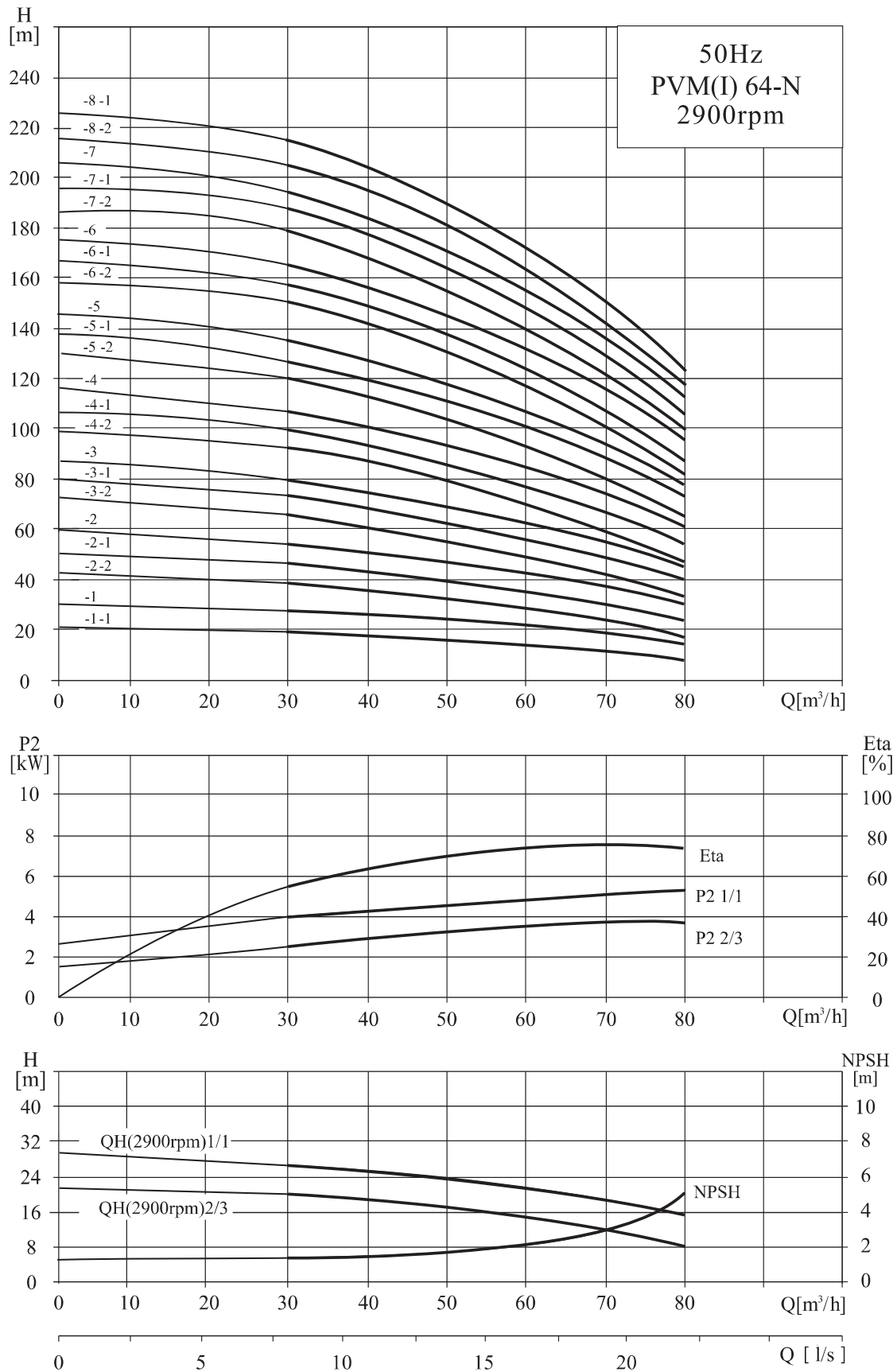
Model	Motor (kw)	Q (m ³ /h)	25	30	35	40	45	50	55
PVM(I) 45-1-1-N	3.0	H (m)	20	19	18	17	15	13	11
PVM(I) 45-1-N	4.0		24	23	22	21	19	18	16
PVM(I) 45-2-2-N	5.5		40	38	36	33	30	27	23
PVM(I) 45-2-N	7.5		48	46	44	42	39	35	31
PVM(I) 45-3-2-N	11		63	61	58	54	50	44	38
PVM(I) 45-3-N	11		71	69	66	63	58	53	47
PVM(I)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

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

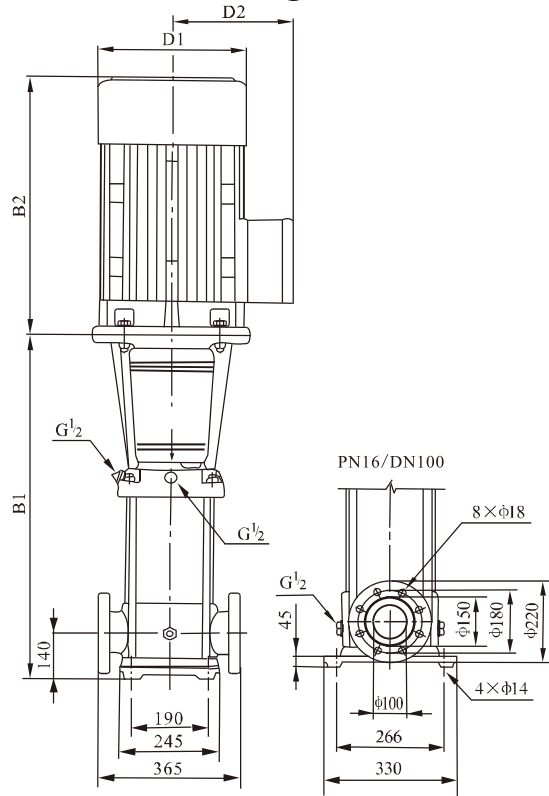
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 64-1-1-N	561	370	931	230	188	93
PVM(I) 64-1-N	561	435	996	260	210	105
PVM(I) 64-2-2-N	644	435	1079	260	210	110
PVM(I) 64-2-1-N	754	580	1334	350	260	182
PVM(I) 64-2-N	754	580	1334	350	260	182
PVM(I) 64-3-2-N	836	580	1416	350	260	197
PVM(I) 64-3-1-N	836	580	1416	350	260	197
PVM(I) 64-3-N	836	610	1446	350	260	221
PVM(I) 64-4-2-N	919	610	1529	350	260	225
PVM(I) 64-4-1-N	919	645	1564	360	285	258
PVM(I) 64-4-N	919	645	1564	360	285	258
PVM(I) 64-5-2-N	1001	705	1706	400	310	317
PVM(I) 64-5-1-N	1001	705	1706	400	310	321
PVM(I) 64-5-N	1001	705	1706	400	310	321
PVM(I) 64-6-2-N	1084	705	1789	400	310	325
PVM(I) 64-6-1-N	1084	705	1789	400	310	349
PVM(I) 64-6-N	1084	705	1789	400	310	349
PVM(I) 64-7-2-N	1166	705	1871	400	310	353
PVM(I) 64-7-1-N	1166	705	1871	400	310	353
PVM(I) 64-7-N	1166	740	1906	460	340	420
PVM(I) 64-8-2-N	1248	740	1988	460	340	424
PVM(I) 64-8-1-N	1248	740	1988	460	340	424

Performance table

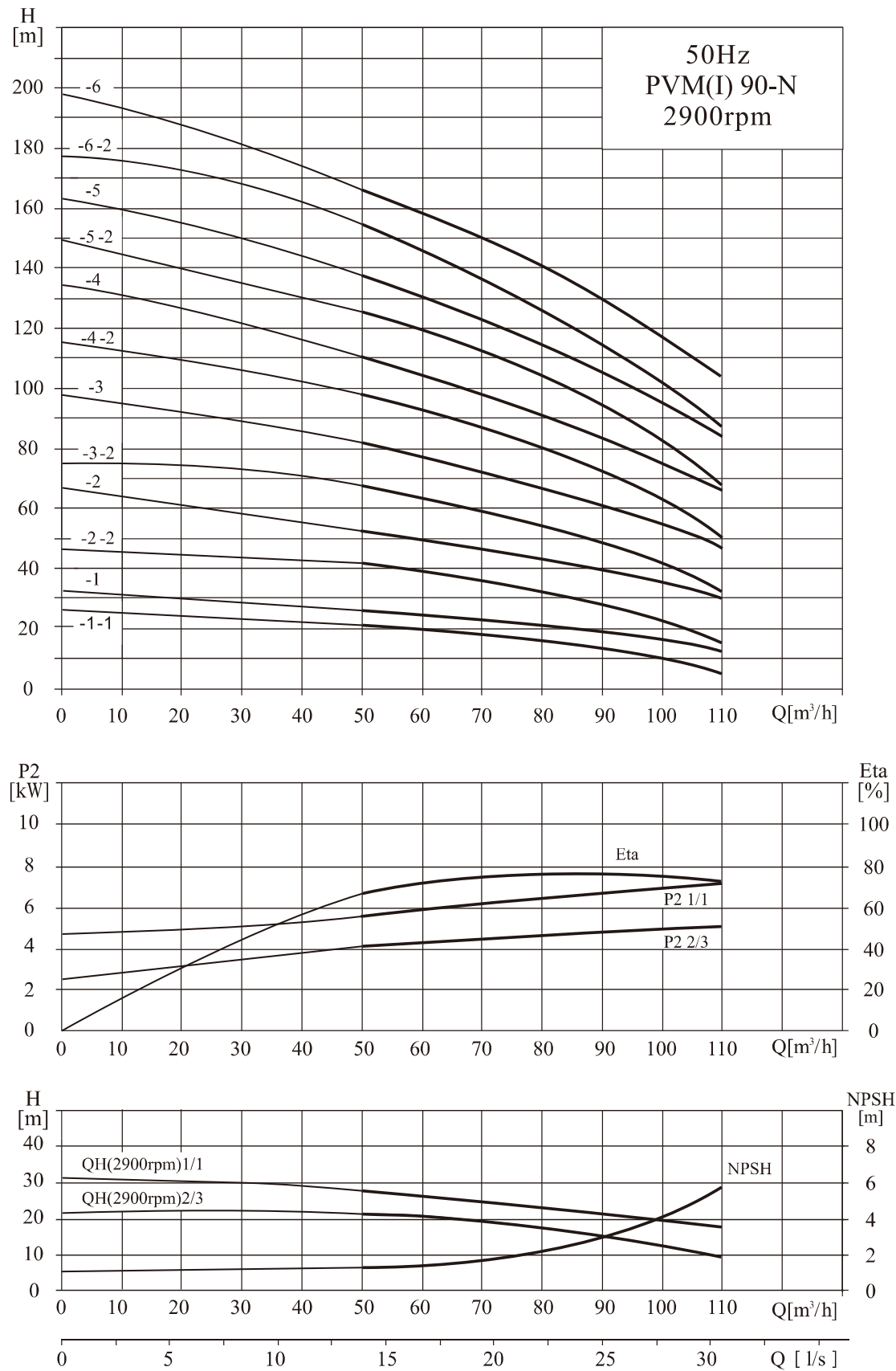
Model	Motor (kw)	Q (m ³ /h)	30	40	50	60	64	70	80
			H (m)	H (m)	H (m)	H (m)	H (m)	H (m)	H (m)
PVM(I) 64-1-1-N	4.0	H (m)	19	18	16	14	13	11	8
PVM(I) 64-1-N	5.5		27	25	23	21	20	18	15
PVM(I) 64-2-2-N	7.5		39	36	33	29	27	23	17
PVM(I) 64-2-1-N	11		46	44	40	36	34	30	24
PVM(I) 64-2-N	11		53	51	47	43	41	37	30
PVM(I) 64-3-2-N	15		66	62	56	50	47	41	32
PVM(I) 64-3-1-N	15		73	69	63	57	54	48	39
PVM(I) 64-3-N	18.5		80	76	70	64	61	55	46
PVM(I) 64-4-2-N	18.5		92	87	80	71	67	60	47
PVM(I) 64-4-1-N	22		100	94	87	78	74	67	54
PVM(I) 64-4-N	22		107	101	94	85	81	74	61
PVM(I) 64-5-2-N	30		121	114	105	95	89	80	64
PVM(I) 64-5-1-N	30		128	121	112	102	96	87	71
PVM(I) 64-5-N	30		136	129	119	109	103	94	78
PVM(I) 64-6-2-N	30		150	142	131	118	111	101	81
PVM(I) 64-6-1-N	37		157	149	138	125	118	108	88
PVM(I) 64-6-N	37		164	156	145	132	125	115	95
PVM(I) 64-7-2-N	37		179	169	156	141	133	121	99
PVM(I) 64-7-1-N	37		186	176	163	148	141	128	106
PVM(I) 64-7-N	45		193	183	170	155	148	135	112
PVM(I) 64-8-2-N	45		207	196	182	164	156	142	116
PVM(I) 64-8-1-N	45		215	203	189	171	163	149	123

Dimension and appearance of single phase motors, explosion-proof motor are different, please contact factory.
(For PVMI 64) series, PN25-40/DN100 standard flange is also available if required)

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

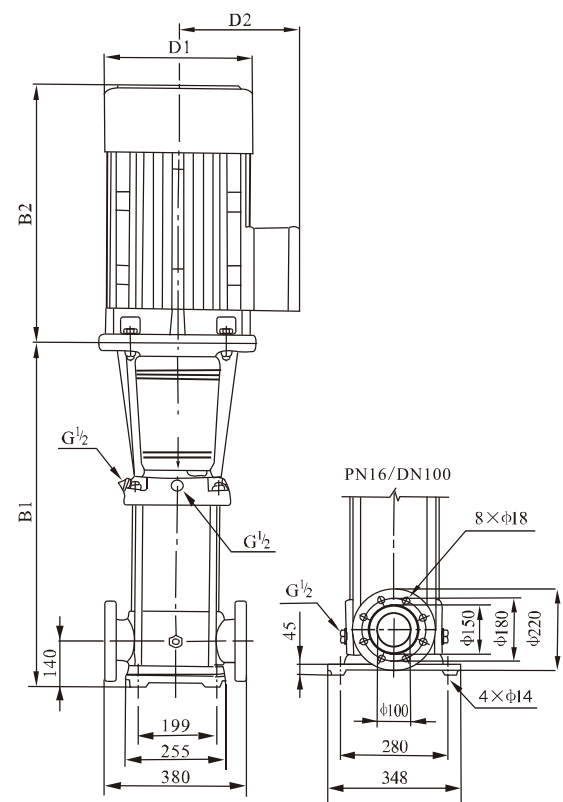
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 90-1-1-N	571	435	1006	260	210	105
PVM(I) 90-1-N	571	435	1006	260	210	110
PVM(I) 90-2-2-N	773	580	1353	350	260	181
PVM(I) 90-2-N	773	580	1353	350	260	192
PVM(I) 90-3-2-N	865	610	1475	350	260	215
PVM(I) 90-3-N	865	645	1510	360	285	252
PVM(I) 90-4-2-N	957	705	1662	400	310	312
PVM(I) 90-4-N	957	705	1662	400	310	312
PVM(I) 90-5-2-N	1049	705	1754	400	310	336
PVM(I) 90-5-N	1049	705	1754	400	310	336
PVM(I) 90-6-2-N	1141	740	1881	460	340	407
PVM(I) 90-6-N	1141	740	1881	460	340	407

Performance table

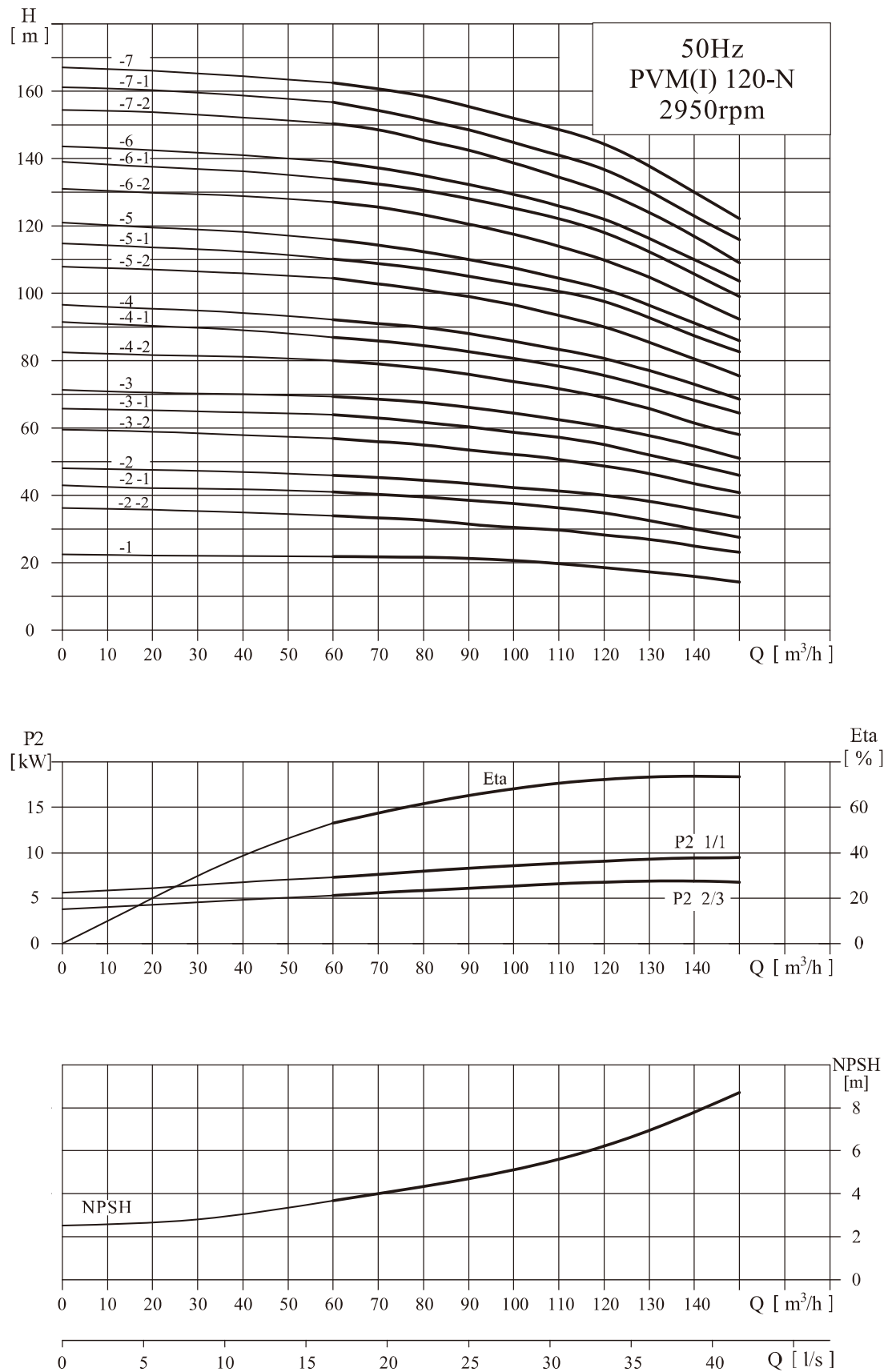
Model	Motor (kw)	Q (m ³ /h)	H (m)						
			50	60	70	80	90	100	110
PVM(I) 90-1-1-N	5.5	H (m)	22	19	17	16	13	10	6
PVM(I) 90-1-N	7.5		25	24	22	21	19	16	12
PVM(I) 90-2-2-N	11		41	39	36	32	28	22	15
PVM(I) 90-2-N	15		53	50	47	44	40	36	30
PVM(I) 90-3-2-N	18.5		68	65	60	55	49	41	32
PVM(I) 90-3-N	22		81	77	72	67	62	55	48
PVM(I) 90-4-2-N	30		98	93	87	80	72	62	50
PVM(I) 90-4-N	30		110	105	100	92	84	76	66
PVM(I) 90-5-2-N	37		126	120	113	104	93	81	68
PVM(I) 90-5-N	37		139	131	124	115	106	94	83
PVM(I) 90-6-2-N	45		155	148	139	129	117	102	86
PVM(I) 90-6-N	45		168	160	150	141	130	117	103

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

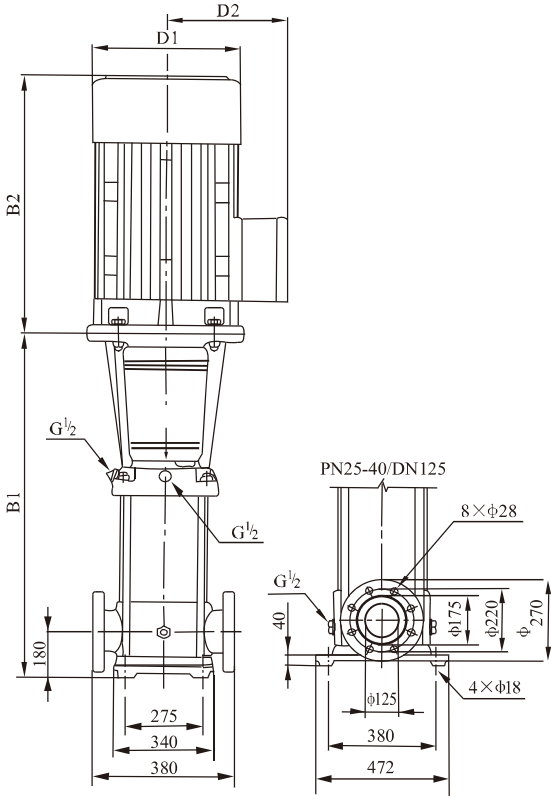
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 120-1-N	840	580	1420	350	260	230
PVM(I) 120-2-2-N	1000	580	1580	350	260	245
PVM(I) 120-2-1-N	1000	610	1610	350	260	250
PVM(I) 120-2-N	1000	645	1645	360	285	285
PVM(I) 120-3-2-N	1160	705	1865	400	310	358
PVM(I) 120-3-1-N	1160	705	1865	400	310	360
PVM(I) 120-3-N	1160	705	1865	400	310	360
PVM(I) 120-4-2-N	1320	705	2025	400	310	400
PVM(I) 120-4-1-N	1320	705	2025	400	310	400
PVM(I) 120-4-N	1320	740	2060	460	340	460
PVM(I) 120-5-2-N	1480	740	2220	460	340	470
PVM(I) 120-5-1-N	1480	740	2220	460	340	470
PVM(I) 120-5-N	1510	810	2320	550	370	575
PVM(I) 120-6-2-N	1670	810	2480	550	370	585
PVM(I) 120-6-1-N	1670	810	2480	550	370	585
PVM(I) 120-6-N	1670	870	2540	580	410	705
PVM(I) 120-7-2-N	1830	870	2700	580	410	713
PVM(I) 120-7-1-N	1830	870	2700	580	410	715
PVM(I) 120-7-N	1830	870	2700	580	410	715

Performance table

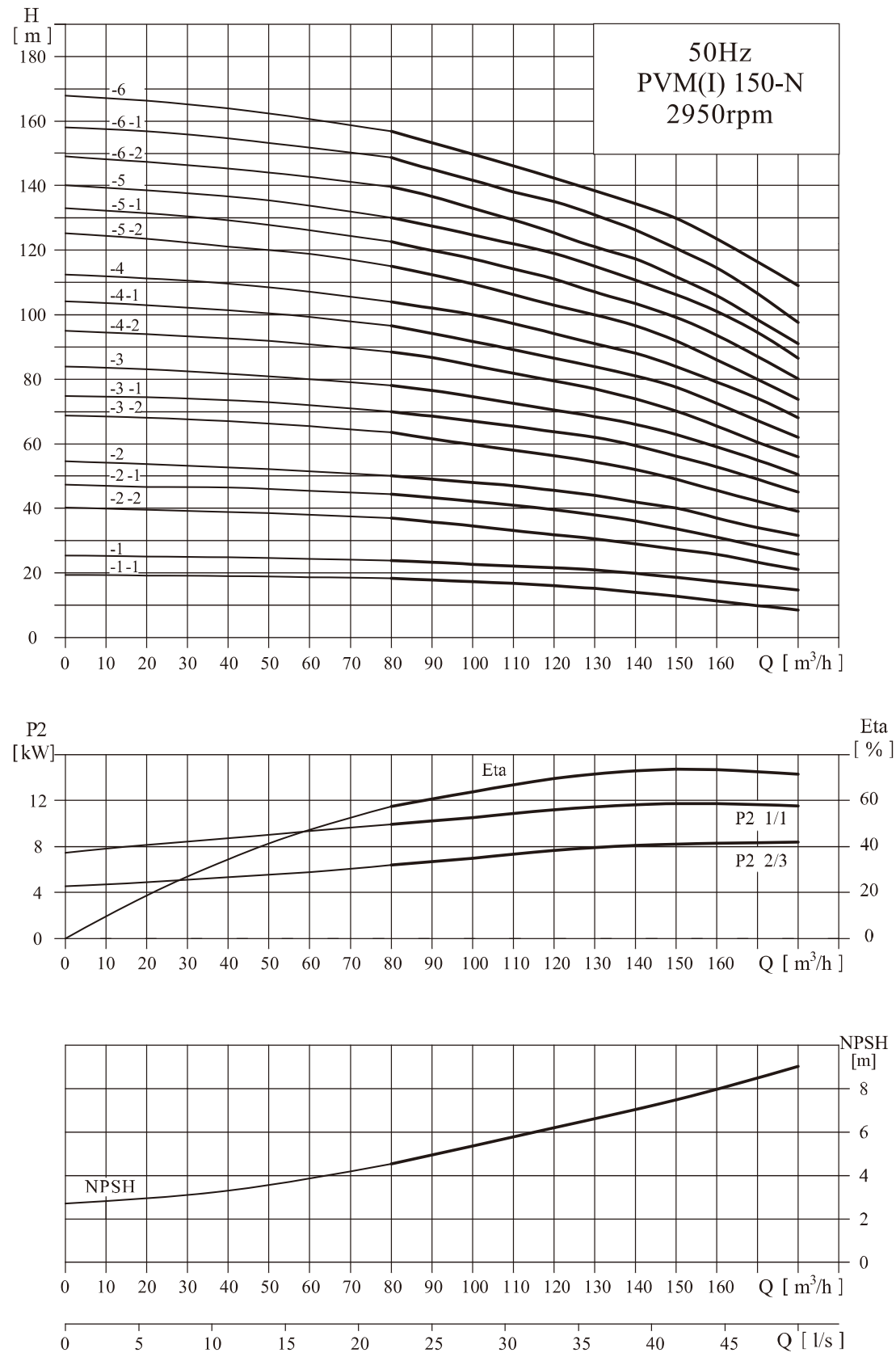
Model	Motor (kw)	Q (m ³ /h)	60	70	80	90	100	110	120	130	140	150
			H (m)	H (m)	H (m)	H (m)	H (m)	H (m)	H (m)	H (m)	H (m)	H (m)
PVM(I) 120-1-N	11	H (m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
PVM(I) 120-2-2-N	15		34	33.6	33	31	30.2	30	28.5	27	25	24
PVM(I) 120-2-1-N	18.5		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
PVM(I) 120-2-N	22		46	45	44.5	43.5	42.4	41	40	38	36	33.5
PVM(I) 120-3-2-N	30		57	56	55	53.5	52	51	49	46.5	43.5	41
PVM(I) 120-3-1-N	30		64	63	62	60	58.5	57.5	55.5	52	49	46
PVM(I) 120-3-N	30		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
PVM(I) 120-4-2-N	37		80.5	79	78	76	73.5	72	69	66	61.5	58
PVM(I) 120-4-1-N	37		87	86	84.5	82	80	78	76	72	68	64.5
PVM(I) 120-4-N	45		92.5	91	90	88	85.5	83	81	77	73	68.5
PVM(I) 120-5-2-N	45		104.5	103	101	99	96	93	90	85.5	80.5	75.5
PVM(I) 120-5-1-N	45		110.5	109	107.5	105	102	100	97	92	86.5	83
PVM(I) 120-5-N	55		115.5	114	113	110	107.5	104.5	101.5	96	91	86
PVM(I) 120-6-2-N	55		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5
PVM(I) 120-6-1-N	55		134	132	130.5	127	124	121	118	111	105	100
PVM(I) 120-6-N	75		139	137	135	132	128.8	126	123	116	110	104
PVM(I) 120-7-2-N	75		151	148	145.5	143	138.6	134	130	123.5	116.5	109
PVM(I) 120-7-1-N	75		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5
PVM(I) 120-7-N	75		162.5	160.5	158.5	155	151	148	145	137	129	123

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.

PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

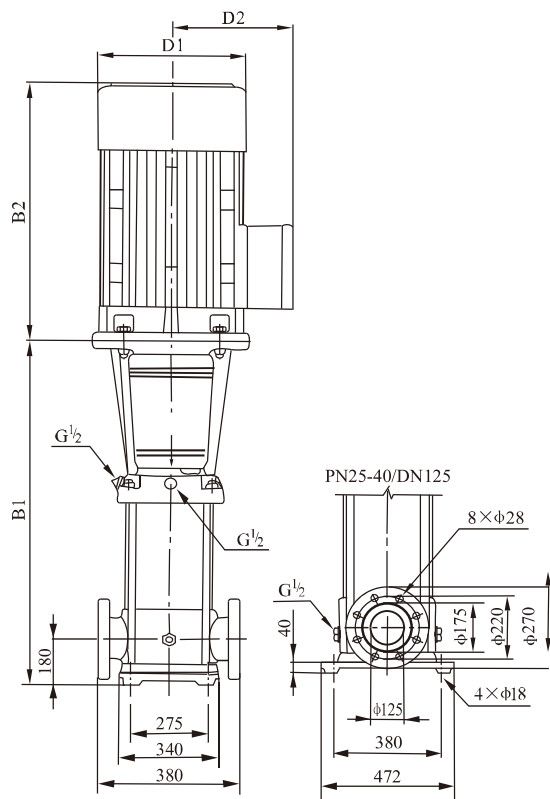
Hydraulic Performance



PVM-N & PVMI-N

VERTICAL MULTISTAGE CENTRIFUGAL PUMP

Installation Drawing



Size & Weight

Model	Dimensions (mm)					Weight(Kg)
	B1	B2	B1+B2	D1	D2	
PVM(I) 150-1-1-N	840	580	1420	350	260	235
PVM(I) 150-1-N	840	580	1420	350	260	235
PVM(I) 150-2-2-N	1000	610	1610	350	260	250
PVM(I) 150-2-1-N	1000	645	1645	360	285	295
PVM(I) 150-2-N	1000	705	1705	400	310	350
PVM(I) 150-3-2-N	1160	705	1865	400	310	360
PVM(I) 150-3-1-N	1160	705	1865	400	310	385
PVM(I) 150-3-N	1160	705	1865	400	310	385
PVM(I) 150-4-2-N	1320	740	2060	460	340	460
PVM(I) 150-4-1-N	1320	740	2060	460	340	460
PVM(I) 150-4-N	1350	810	2160	550	370	560
PVM(I) 150-5-2-N	1510	810	2320	550	370	570
PVM(I) 150-5-1-N	1510	870	2380	580	410	690
PVM(I) 150-5-N	1510	870	2380	580	410	690
PVM(I) 150-6-2-N	1670	870	2540	580	410	700
PVM(I) 150-6-1-N	1670	870	2540	580	410	703
PVM(I) 150-6-N	1670	870	2540	580	410	703

Performance table

Model	Motor (kw)	Q (m ³ /h)	H (m)										
			80	90	100	110	120	130	140	150	160	170	180
PVM(I) 150-1-1-N	11	H (m)	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
PVM(I) 150-1-N	15		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
PVM(I) 150-2-2-N	18.5		37	35.5	34	33	32	31	29	27.5	26	23	21
PVM(I) 150-2-1-N	22		44.3	43	42	40	39	38.5	37.5	35	33	30	27
PVM(I) 150-2-N	30		50	49	48	47	45.5	44	42	40	37	34	32
PVM(I) 150-3-2-N	30		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
PVM(I) 150-3-1-N	37		70	68	67	65	63	62	60	56	53	49	45
PVM(I) 150-3-N	37		78	76.5	75	73	70.5	68	66	63	59	55	50.5
PVM(I) 150-4-2-N	45		89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
PVM(I) 150-4-1-N	45		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
PVM(I) 150-4-N	55		104	102	100	97	95	91	88	84	79.5	74	68
PVM(I) 150-5-2-N	55		115.5	112	109	106	102.5	100	97	92	86	79	73.5
PVM(I) 150-5-1-N	75		122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
PVM(I) 150-5-N	75		130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5
PVM(I) 150-6-2-N	75		140	137	133	130	126	121	118	112	106	98	91
PVM(I) 150-6-1-N	75		148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5
PVM(I) 150-6-N	75		157	153	149	145	142	139.5	137	130	123.5	116	109

Dimension and appearance of Single phase motors, explosion-proof motor are different, please contact factory.



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In case of content deviation caused by technical update or typo, please refer to the product manual without notice.