Grampus® PUMPS

Integrity
Innovation
Improvement

50HZ

VM , NMI , VMN series

Vertical Multistage Centrifugal In-Line Pump

HENG LONG ELECTRIC CO., LTD.

Profile

Heng Long Electric Co., Ltd. is one of the superior professional manufacturers in Taiwan. With growing pump industry in Taiwan, we own a reputable brand, “Grampus ”.
Moreover, we have more than 30 year experiences in designing, researching, developing and innovating. We not only insist to use high quality materials, but also adopt professional detection equipments to monitor producing process to ensure our pumps are reliable and excellent.

So far our products are used in various scopes, such as wastewater treatment, farm-irrigation, aquaculture industries, people's livelihood…etc.

Quality Policy

Quality is not only always our supreme spirit to perform and maintain, but also it is our mission as well.

Business Thought

Integrity is the foundation of culture and business; all activities are performed based upon sincerity.
Innovation is the key point of growth and development; the operation system of entire organization is based on the innovation.
Improvement is the product performance and working process, by non-stopping improvement in which is able to achieve final organizational goals.

Vertical Multistage Centrifugal In-Line Pump

Commercial & Industrial

Power	Max.Flow	Max.Head
0.37-75 kW	Up to 3000 L/min	Up to 320 M

Description

The VM, VMI and VMN pumps are non-self-priming vertical multistage pump of in-line design, flange or with Victaulic coupling with equally sized suction and discharge ports. Stage construction with stainless steel impellers, chambers and pressure casing. Pump stub shaft and motor shaft of the IEC-standards motor are directly close coupled. All pumps are equipped with a cartridge type mechanical seal for easy maintenance. VM, VMI and VMN pumps have different pump sizes and various numbers of stages to provide the flow and the pressure required.

Features

- Wide performance range
- High efficiency for low electricity bill
- Robust construction for better reliability
- Optional mechanical seal combinations for various applications

Application

- Irrigation and agriculture
- Light industry
- Water treatment
- Car washing facilities
- Heating, ventilationand air conditioning
- Water supply and pressure boosting
- Reverse osmosis systems
- Greenhouses

Model Code

VM, VMI, VMN 2 - 50

- Series name
- Nominal flow rate[m³/h]
- Number of stages

General Data

Motor Spec	
Motor Type	2 Pole, totally enclosed fan-cooled
Frequency	50HZ
Standard Voltages	P2: 0.37-7.5 kW
	3 x 220-240 / 380-415 V
	P2: From 11kW
	3 x 380-415 V
Insulation Class	F class (155°C)
Enclosure Protection Class	IP 55
Nominal Speed	2850 rpm
Operation Conditions	
Liquids	Non-corrosive / explosive / flammable
Liquid Temperature	-15°C~120°C
Ambient Temperature	Max. 50°C

Liquids to be pumped

The pump is designed for pumping freely flowing non-corrosive, non-explosive, and non-flammable liquids. The liquids to be pumped must also be free of solid matter, sands, fibers, and similar materials. Most common non-highly corrosive watery liquids, hot and cold liquids can be pumped with this pump. The suitability of factors, such as the pH level, contents of chemicals such as chlorides, oils, the temperature of the liquids, etc. Please contact Grampus if there are any questions as to whether certain liquids are suitable for pumping with the pump.

Model	VM											
	1	3	5	10	15	20	32	45	64	90	120	150
Flange	DN25 / DN32	DN25 / DN32	DN25 / DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125
Model	VMI, VMN											
	1	3	5	10	15	20	32	45	64	90	120	150
Flange	DN25 / DN32	DN25 / DN32	DN25 / DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125
victaulic-connections	R 1 1/4 DN32	R 1 1/4 DN32	R 1 1/4 DN32	R 2 DN 50	R 2 DN 50	R 2 DN 50	N/A	N/A	N/A	N/A	N/A	N/A

Mechanical Seals

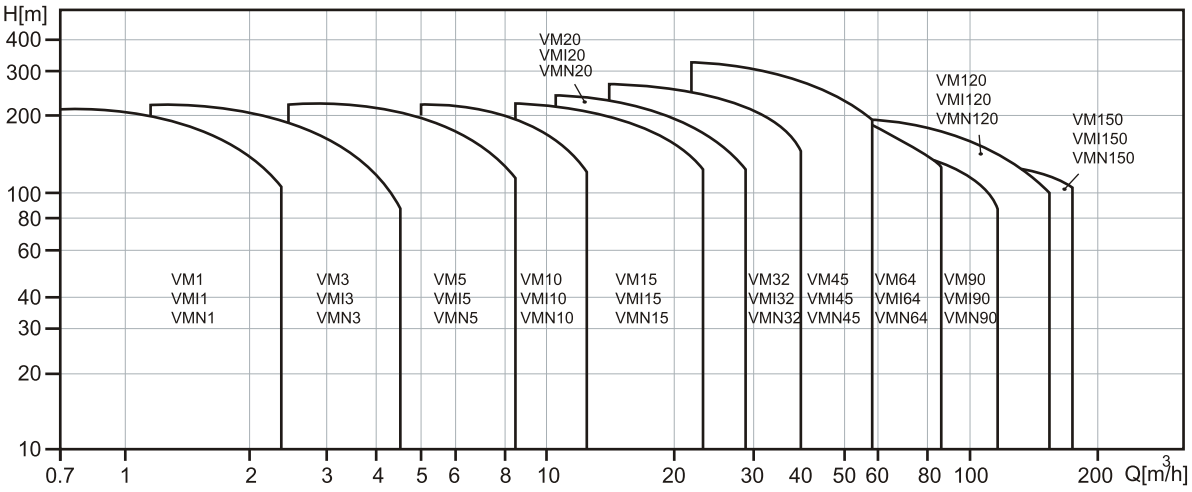
Standard Cartridge type mechanical seal made of Silicon Carbide/Silicon Carbide/EPDM or Viton. Based on the type of application, alternative materials are available for the seal and the elastomers. The cartridge type mechanical seal can be replaced in minutes without special tools and without dismantling the pump.

List of Materials	
U: Tungsten carbide	E: EPDM
Q: Silicon carbide	V: Viton
B: Carbon	

Seal Type	VM,VMI,VMN		
	1/3/5/10/15/20 /32/45/64/90	120/150	
Mechanical seals		0.5-60HP	75-100HP
S : O-ring seal Cartridge type	●	●	
B : Rubber bellows seal Cartridge type			●
QQ	●	●	●
UU	Optional	Optional	
QB	Optional	Optional	
UB	Optional	Optional	
O-rings			
E	●	●	
V	Optional	Optional	●

● Standard

Performance Range



Motor Data

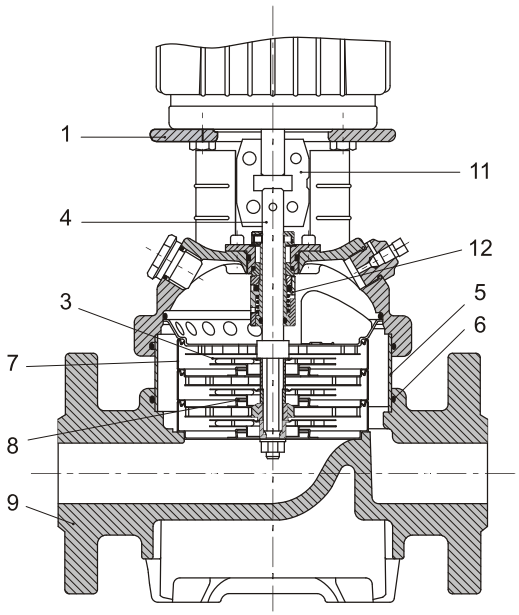
Motor Type				Nominal Current In [A]				
HP	kW	Pole	Flange	Frame	3~220V	3~240V	3~380V	3~415V
0.5	0.37	2	B14	71A	1.8	1.9	1.0	1.1
0.75	0.55			71B	2.6	2.7	1.5	1.6
1.0	0.75			80A	3.4	3.6	2.0	2.1
1.5	1.1			80B	5.1	5.2	2.9	3.0
2.0	1.5			90S	6.0	6.2	3.5	3.6
3.0	2.2			90L	9.5	10.0	5.5	5.8
4.0	3.0			100L	12.1	12.5	7.0	7.2
5.5	4.0			112M	14.9	15.0	8.6	8.7
			B5		3~380V	3~415V	3~660V	3~690V
7.5	5.5			132S	12.1	12.0	7.0	6.9
10	7.5			132S	16.0	15.3	9.2	8.8
							3~380V	3~415V
15	11			160M			21.0	19.2
20	15			160M			28.4	26.0
25	18.5			160L			34.7	31.8
30	22			180M			41.1	37.7
40	30			200L			55.7	51.0
50	37			200L			68.3	62.5
60	45			225M			87.2	78.6
75	55			250M			101.0	92.5
100	75			280S			134.0	123.0

Maximum Operating and Inlet Pressure

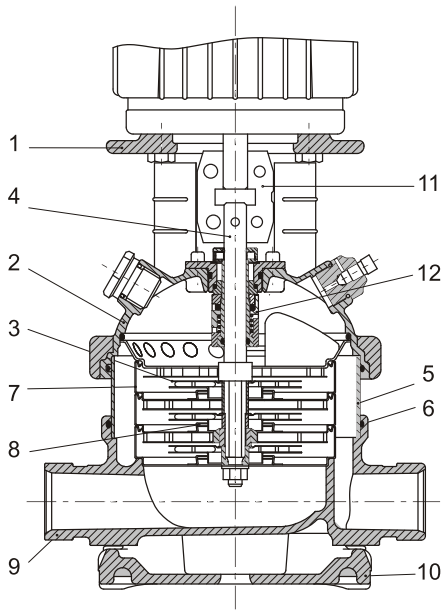
Stage	Maximum Operating Pressure	Stage	Maximum Inlet Pressure
VM, VMI, VMN 1			
2-36	25bar	2-36	10bar
VM, VMI, VMN 3			
2-36	25bar	2-29	10bar
		31-36	15bar
VM, VMI, VMN 5			
2-36	25bar	2-16	10bar
		18-36	15bar
VM, VMI, VMN 10			
1-16	16bar	1-6	8bar
17-22	25bar	7-22	10bar
VM, VMI, VMN 15			
1-10	16bar	1-3	8bar
12-17	25bar	4-17	10bar
VM, VMI, VMN 20			
1-10	16bar	1-3	8bar
12-17	25bar	4-17	10bar
VM, VMI, VMN 32			
(1-1)-7	16bar	(1-1)-4	4bar
(8-2)-14	30bar	(5-2)-10	10bar
		(11-2)-14	15bar
VM, VMI, VMN 45			
(1-1)-5	16bar	(1-1)-2	4bar
(6-2)-11	30bar	(3-2)-5	10bar
(12-2)-(13-2)	33bar	(6-2)-(13-2)	15bar
VM, VMI, VMN 64			
(1-1)-5	16bar	(1-1)-(2-2)	4bar
(6-2)-(8-1)	30bar	(2-1)-(4-2)	10bar
		(4-1)-(8-1)	15bar
VM, VMI, VMN 90			
(1-1)-4	16bar	(1-1)-1	4bar
(5-2)-6	30bar	(2-1)-(3-2)	10bar
		3-6	15bar
VM, VMI, VMN 120			
1-7	30bar	1-(2-1)	10bar
		2-(5-1)	15bar
		(6-1)-7	20bar
VM, VMI, VMN 150			
(1-1)-6	30bar	(1-1)-1	10bar
		(2-1)-(4-2)	15bar
		(5-2)-6	20bar

Material Construction

VM 1, 3, 5, 10, 15, 20



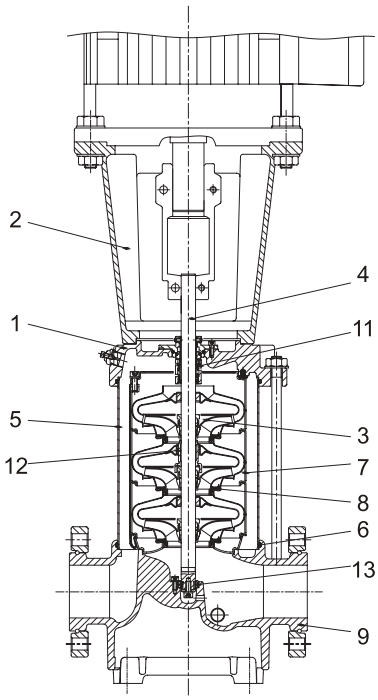
VMI,VMN 1, 3, 5, 10, 15, 20



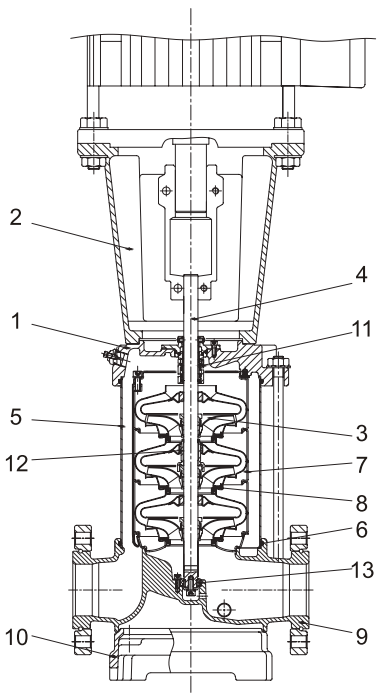
Pos.	Name	Material	VM 1, 3, 5, 10, 15, 20		VMI 1, 3, 5, 10, 15, 20		VMN 1, 3, 5, 10, 15, 20	
			Standard		Standard		Standard	
			Europe	USA	Europe	USA	Europe	USA
1	Pump head	Cast Iron	EN-GJL -200	ASTM 25B	EN-GJS -450-10	ASTM -65-45-12	EN-GJS -450-10	ASTM -65-45-12
2	Pump head cover	Stainless steel	N/A		1.4301	AISI 304	1.4401	AISI 316
3	Impeller	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
4	Shaft	Stainless steel	1.4057	AISI 431	1.4057	AISI 431	1.4401	AISI 316
5	Outer sleeve	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
6	O-ring for outer sleeve	EPDM						
7	Chamber	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
8	Neck ring	PTFE						
9	Base	Cast Iron	EN-GJL-200	ASTM 25B	N/A			
	Base	Stainless steel	N/A		1.4301	AISI 304	1.4401	AISI 316
10	Base plate	Cast Iron	N/A		EN-GJL-200	ASTM 25B	EN-GJL-200	ASTM 25B
11	Coupling	Fe-Cu-C	SINT C11	MPIF FC0525	SINT C11	MPIF FC0525	SINT C11	MPIF FC0525
12	Mechanical seal	Cartridge type						

Material Construction

VM-32, 45, 64, 90



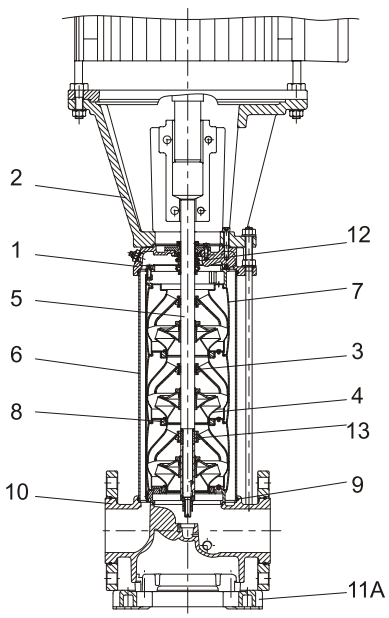
VMI,VMN-32, 45, 64, 90



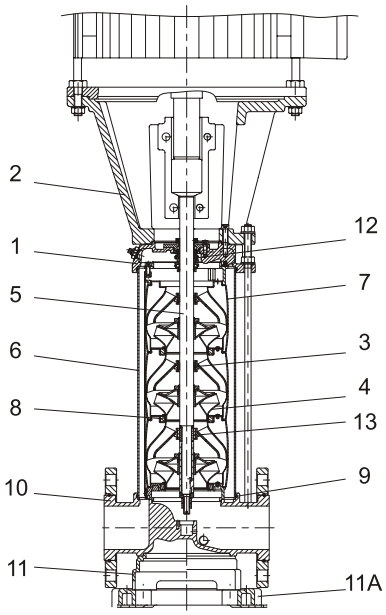
Pos.	Name	Material	VM 32, 45, 64, 90		VMI 32, 45, 64, 90		VMN 32, 45, 64, 90	
			Standard		Standard		Standard	
			Europe	USA	Europe	USA	Europe	USA
1	Pump head	Cast Iron	EN-GJL-250	ASTM 35B				
		Stainless steel			1.4301	AISI 304	1.4401	AISI 316
2	Motor Bracket	Cast Iron	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B
3	Impeller	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
4	Shaft	Stainless steel	1.4057	AISI 431	1.4057	AISI 431	1.4401	AISI 316
5	Outer sleeve	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
6	O-ring for outer sleeve	EPDM						
7	Chamber	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
8	Neck ring	Carbon Fiber + POB + PTFE						
9	Base	Cast Iron	EN-GJL-250	ASTM 35B	N/A			
	Base	Stainless steel	N/A		1.4301	AISI 304	1.4401	AISI 316
10	Base plate	Cast Iron	N/A		EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B
11	Mechanical seal	Cartridge type						
12	Bearing ring		Bronze				POB + Graphite + PTFE	
13	Bottom bearing ring	Tungsten carbide / Tungsten carbide						

Material Construction

VM-120, 150

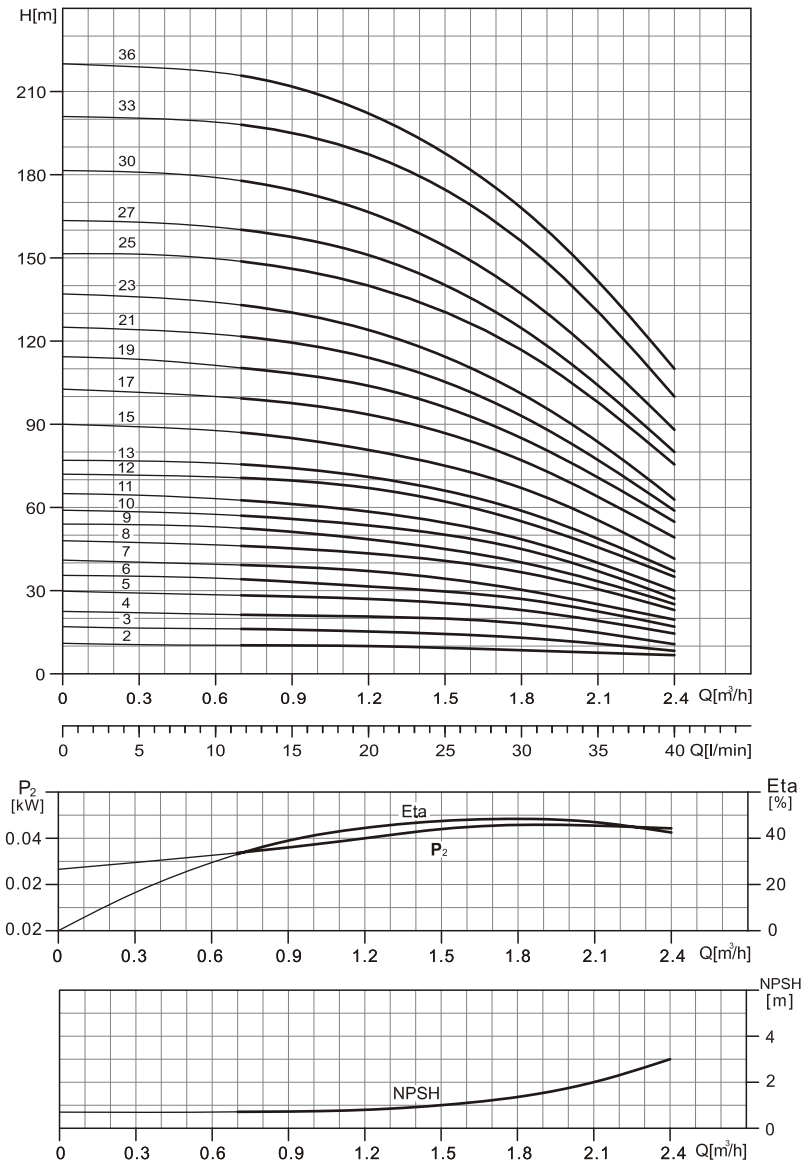


VMI,VMN-120, 150

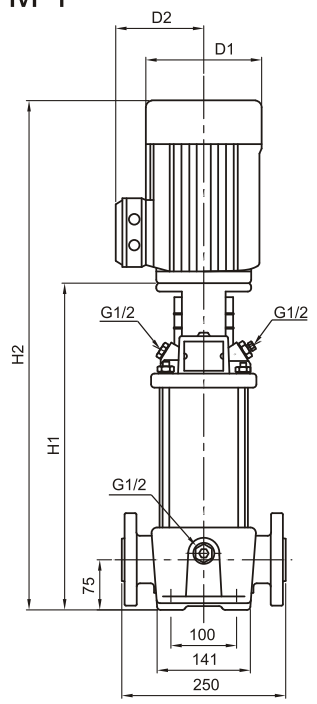


Pos.	Name	Material	VM 120, 150		VMI 120, 150		VMN 120, 150	
			Standard		Standard		Standard	
			Europe	USA	Europe	USA	Europe	USA
1	Pump head	Cast Iron	EN-GJL-250	ASTM 35B	N/A			
		Stainless steel	N/A		1.4301	AISI 304	1.4401	AISI 316
2	Motor bracket (15HP ~ 60HP)	Cast Iron	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B
	Motor bracket (75HP ~ 100HP)	Cast Iron	EN-GJL-450-10	ASTM 65-45-12	EN-GJL-450-10	ASTM 65-45-12	EN-GJL-450-10	ASTM 65-45-12
3	Bearing ring	PTFE						
4	Impeller	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
5	Shaft	Stainless steel	1.4057	AISI 431	1.4057	AISI 431	1.4401	AISI 316
6	Outer sleeve	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
7	O-ring for outer sleeve	EPDM						
8	Chamber	Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
9	Neck ring	PTFE						
10	Base	Cast Iron	EN-GJL-250	ASTM 35B	N/A			
		Stainless steel	N/A		1.4301	AISI 304	1.4401	AISI 316
11	Base plate	Cast Iron	N/A		EN-GJL-450-10	ASTM 65-45-12	EN-GJL-450-10	ASTM 65-45-12
11A	Base plate	Cast Iron	EN-GJL-450-10	ASTM 35B 65-45-12	EN-GJL-450-10	ASTM 65-45-12	EN-GJL-450-10	ASTM 65-45-12
12	Mechanical seal	Cartrige type						
13	Bottom bearing ring	SIC / SIC						

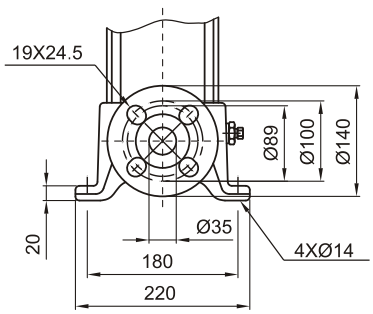
VM / VMI / VMN 1



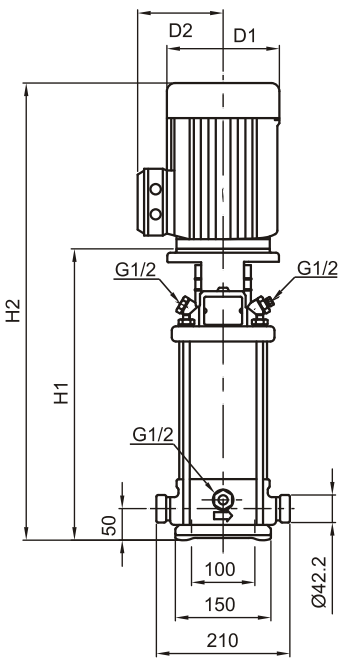
VM 1



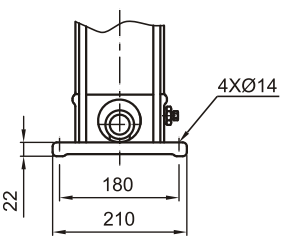
Flange(DIN-ANSI-JIS)
PN 25 / DN25/35



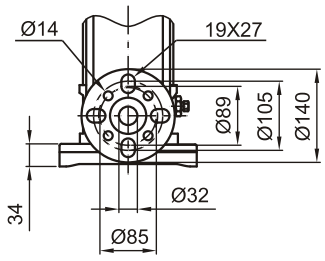
VMI,VMN 1

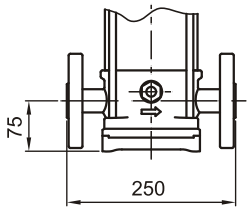


Victaulic



Flange(DIN-ANSI-JIS)
PN 25 / DN25/32





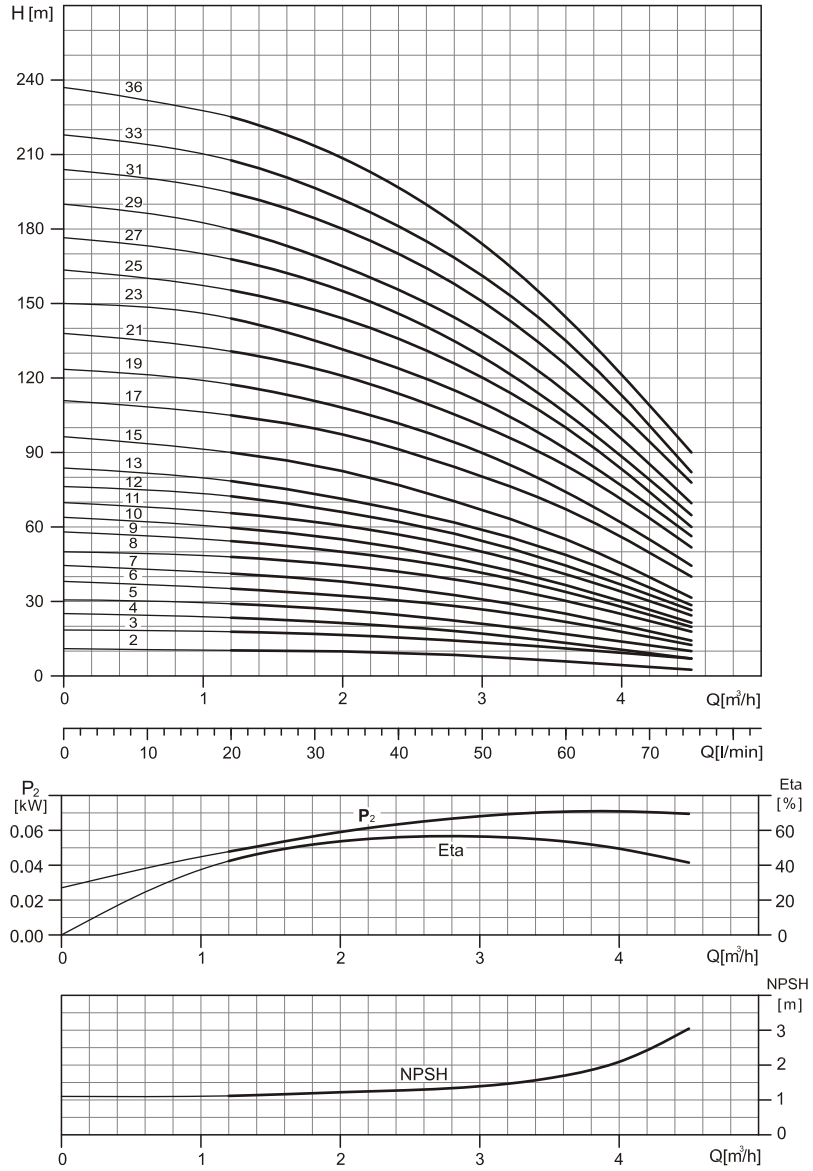
VM 1

Model	Motor [P2]		VM				
			Dimension[mm]				Net weight [kg]
	HP	kW	DIN flange		D1	D2	DIN flange
			H1	H2			
VM 1-2	0.5	0.37	279	474	141	115	23.4
VM 1-3	0.5	0.37	279	474	141	115	23.4
VM 1-4	0.5	0.37	297	492	141	115	23.8
VM 1-5	0.5	0.37	315	510	141	115	24.2
VM 1-6	0.5	0.37	333	528	141	115	24.5
VM 1-7	0.5	0.37	351	546	141	115	24.9
VM 1-8	0.75	0.55	369	564	141	115	25.8
VM 1-9	0.75	0.55	387	582	141	115	26.1
VM 1-10	0.75	0.55	405	600	141	115	26.5
VM 1-11	0.75	0.55	423	618	141	115	26.9
VM 1-12	1.0	0.75	447	682	141	115	29.4
VM 1-13	1.0	0.75	465	700	141	115	29.8
VM 1-15	1.0	0.75	501	736	141	115	30.5
VM 1-17	1.5	1.1	537	772	141	115	32.3
VM 1-19	1.5	1.1	573	808	141	115	33.1
VM 1-21	1.5	1.1	609	844	141	115	33.8
VM 1-23	1.5	1.1	645	880	141	115	34.6
VM 1-25	2.0	1.5	697	988	177	141	44.0
VM 1-27	2.0	1.5	733	1024	177	141	44.8
VM 1-30	2.0	1.5	787	1078	177	141	45.9
VM 1-33	3.0	2.2	841	1132	177	141	49.9
VM 1-36	3.0	2.2	895	1186	177	141	51.0

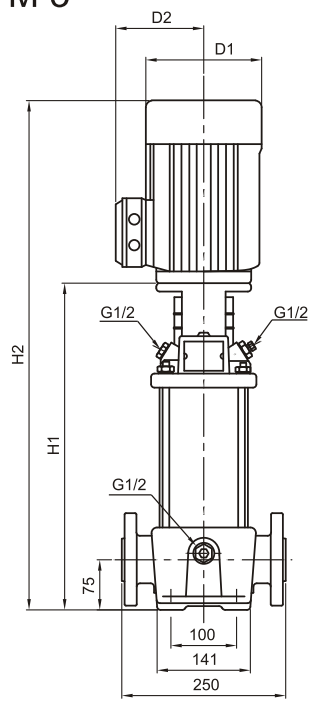
VMI,VMN 1

Model	Motor [P2]		VMI, VMN							
			Dimension[mm]						Net weight[kg]	
	HP	kW	Victaulic		DIN flange		D1	D2	Victaulic	DIN flange
			H1	H2	H1	H2				
VMI, VMN 1-2	0.5	0.37	257	452	282	477	141	115	19.3	20.2
VMI, VMN 1-3	0.5	0.37	257	452	282	477	141	115	19.3	20.3
VMI, VMN 1-4	0.5	0.37	275	470	300	495	141	115	19.7	20.6
VMI, VMN 1-5	0.5	0.37	293	488	318	513	141	115	20.1	21.0
VMI, VMN 1-6	0.5	0.37	311	506	336	531	141	115	20.4	21.4
VMI, VMN 1-7	0.5	0.37	329	524	354	549	141	115	20.8	21.7
VMI, VMN 1-8	0.75	0.55	347	542	372	567	141	115	21.7	22.6
VMI, VMN 1-9	0.75	0.55	365	560	390	585	141	115	22.0	23.0
VMI, VMN 1-10	0.75	0.55	383	578	408	603	141	115	22.4	23.3
VMI, VMN 1-11	0.75	0.55	401	596	426	621	141	115	22.8	23.7
VMI, VMN 1-12	1.0	0.75	425	660	450	685	141	115	25.2	26.1
VMI, VMN 1-13	1.0	0.75	443	678	468	703	141	115	25.6	26.5
VMI, VMN 1-15	1.0	0.75	479	714	504	739	141	115	26.3	27.2
VMI, VMN 1-17	1.5	1.1	515	760	540	775	141	115	28.1	29.1
VMI, VMN 1-19	1.5	1.1	551	786	576	811	141	115	28.8	29.8
VMI, VMN 1-21	1.5	1.1	587	822	612	847	141	115	29.6	30.6
VMI, VMN 1-23	1.5	1.1	623	858	648	883	141	115	30.4	31.3
VMI, VMN 1-25	2.0	1.5	675	966	700	991	177	141	39.8	40.8
VMI, VMN 1-27	2.0	1.5	711	1002	736	1027	177	141	40.6	41.5
VMI, VMN 1-30	2.0	1.5	765	1056	790	1081	177	141	41.7	42.6
VMI, VMN 1-33	3.0	2.2	819	1110	844	1135	177	141	45.6	46.6
VMI, VMN 1-36	3.0	2.2	873	1164	898	1189	177	141	46.7	47.7

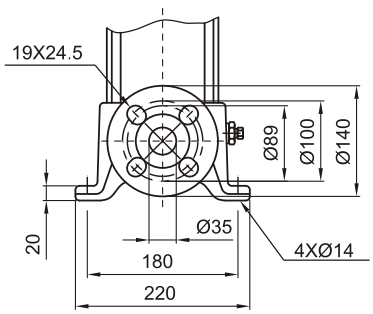
VM / VMI / VMN 3



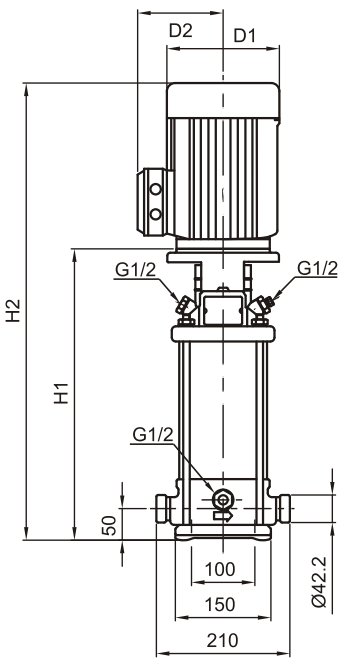
VM 3



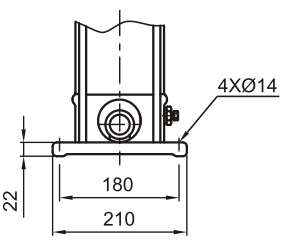
Flange(DIN-ANSI-JIS)
PN 25 / DN25/35



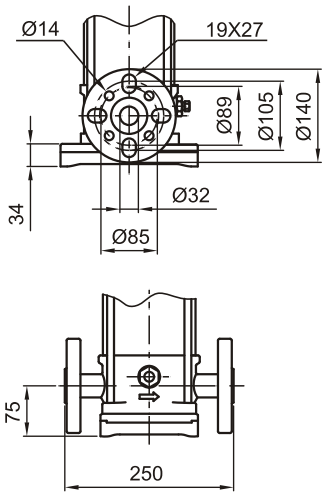
VMI,VMN 3



Victaulic



Flange(DIN-ANSI-JIS)
PN 25 / DN25/32



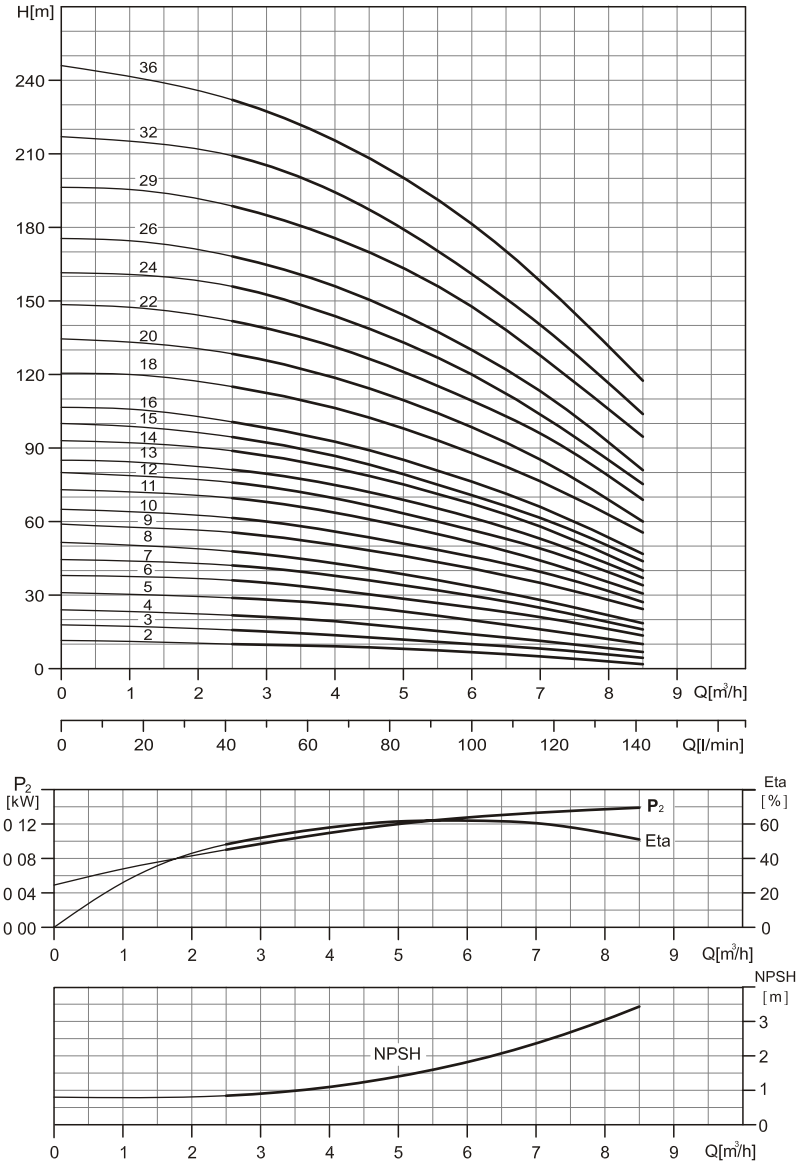
VM 3

Model	Motor [P2]		VM				
			Dimension[mm]				Net weight [kg]
	HP	kW	DIN flange		D1	D2	
			H1	H2			DIN flange
VM 3-2	0.5	0.37	279	474	141	115	23.4
VM 3-3	0.5	0.37	279	474	141	115	23.4
VM 3-4	0.5	0.37	297	492	141	115	23.8
VM 3-5	0.5	0.37	315	510	141	115	24.2
VM 3-6	0.75	0.55	333	528	141	115	25.0
VM 3-7	0.75	0.55	351	546	141	115	25.4
VM 3-8	1.0	0.75	375	610	141	115	27.9
VM 3-9	1.0	0.75	393	628	141	115	28.3
VM 3-10	1.0	0.75	411	646	141	115	28.7
VM 3-11	1.5	1.1	429	664	141	115	30.2
VM 3-12	1.5	1.1	447	682	141	115	30.5
VM 3-13	1.5	1.1	465	700	141	115	30.9
VM 3-15	1.5	1.1	501	736	141	141	31.6
VM 3-17	2.0	1.5	553	844	177	141	41.0
VM 3-19	2.0	1.5	589	880	177	141	41.8
VM 3-21	3.0	2.2	625	916	177	141	45.3
VM 3-23	3.0	2.2	661	952	177	141	46.1
VM 3-25	3.0	2.2	697	988	177	141	46.8
VM 3-27	3.0	2.2	733	1024	177	141	47.6
VM 3-29	3.0	2.2	769	1060	177	141	48.3
VM 3-31	4.0	3.0	809	1125	197	147	56.6
VM 3-33	4.0	3.0	845	1161	197	147	57.4
VM 3-36	4.0	3.0	899	1215	197	147	58.5

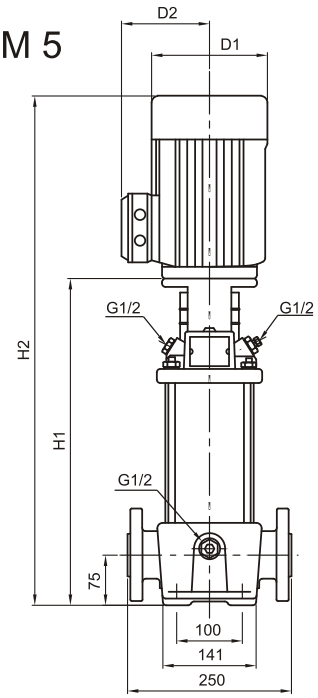
VMI,VMN 3

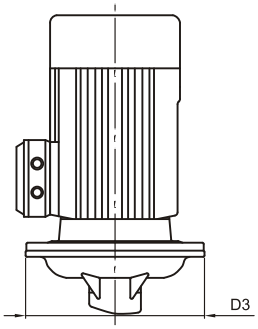
Model	Motor [P2]		VMI, VMN							
			Dimension[mm]						Net weight[kg]	
	HP	kW	Victaulic		DIN flange		D1	D2	Victaulic	DIN flange
			H1	H2	H1	H2				
VMI, VMN 3-2	0.5	0.37	257	452	282	477	141	115	19.3	20.2
VMI, VMN 3-3	0.5	0.37	257	452	282	477	141	115	19.3	20.3
VMI, VMN 3-4	0.5	0.37	275	470	300	495	141	115	19.7	20.6
VMI, VMN 3-5	0.5	0.37	293	488	318	513	141	115	20.1	21.0
VMI, VMN 3-6	0.75	0.55	311	506	336	531	141	115	20.9	21.9
VMI, VMN 3-7	0.75	0.55	329	524	354	549	141	115	21.3	22.2
VMI, VMN 3-8	1.0	0.75	353	588	378	613	141	115	23.7	24.6
VMI, VMN 3-9	1.0	0.75	371	606	396	631	141	115	24.0	25.0
VMI, VMN 3-10	1.0	0.75	389	624	414	649	141	115	24.4	25.4
VMI, VMN 3-11	1.5	1.1	407	642	432	667	141	115	25.9	26.9
VMI, VMN 3-12	1.5	1.1	425	660	450	685	141	115	26.3	27.2
VMI, VMN 3-13	1.5	1.1	443	678	468	703	141	115	26.7	27.6
VMI, VMN 3-15	1.5	1.1	479	714	504	739	141	115	27.4	28.3
VMI, VMN 3-17	2.0	1.5	531	822	556	847	177	115	36.9	37.8
VMI, VMN 3-19	2.0	1.5	567	858	592	883	117	115	37.6	38.5
VMI, VMN 3-21	3.0	2.2	603	894	628	919	177	141	41.2	42.1
VMI, VMN 3-23	3.0	2.2	639	930	664	955	177	141	41.9	42.9
VMI, VMN 3-25	3.0	2.2	675	966	700	991	177	141	42.6	43.6
VMI, VMN 3-27	3.0	2.2	711	1002	736	1027	177	141	43.4	44.3
VMI, VMN 3-29	3.0	2.2	747	1038	772	1063	177	141	44.1	45.1
VMI, VMN 3-31	4.0	3.0	787	1103	812	1128	197	141	52.0	53.0
VMI, VMN 3-33	4.0	3.0	823	1139	848	1164	197	147	52.8	53.7
VMI, VMN 3-36	4.0	3.0	877	1193	902	1218	197	147	53.9	54.8

VM / VMI / VMN 5

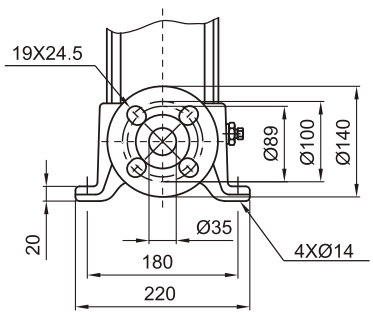


VM 5

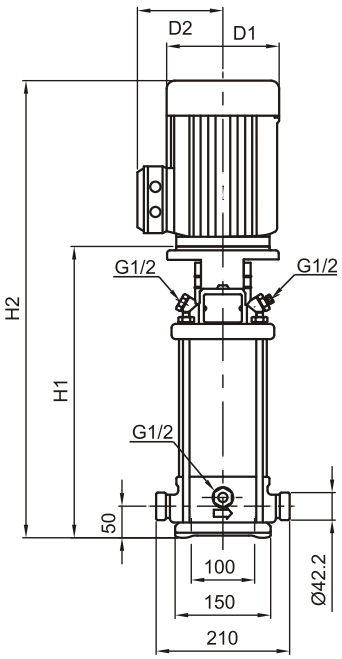


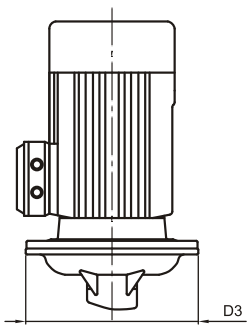


Flange(DIN-ANSI-JIS)
PN 25 / DN25/35

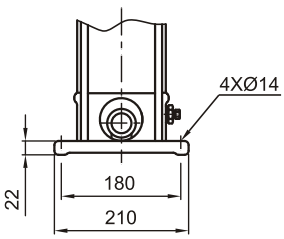


VMI,VMN 5

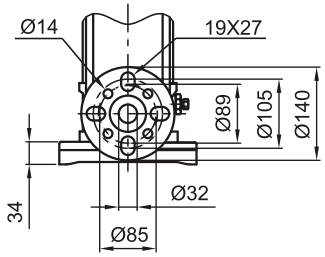


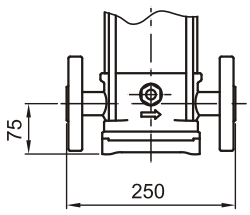


Victaulic



Flange(DIN-ANSI-JIS)
PN 25 / DN25/32





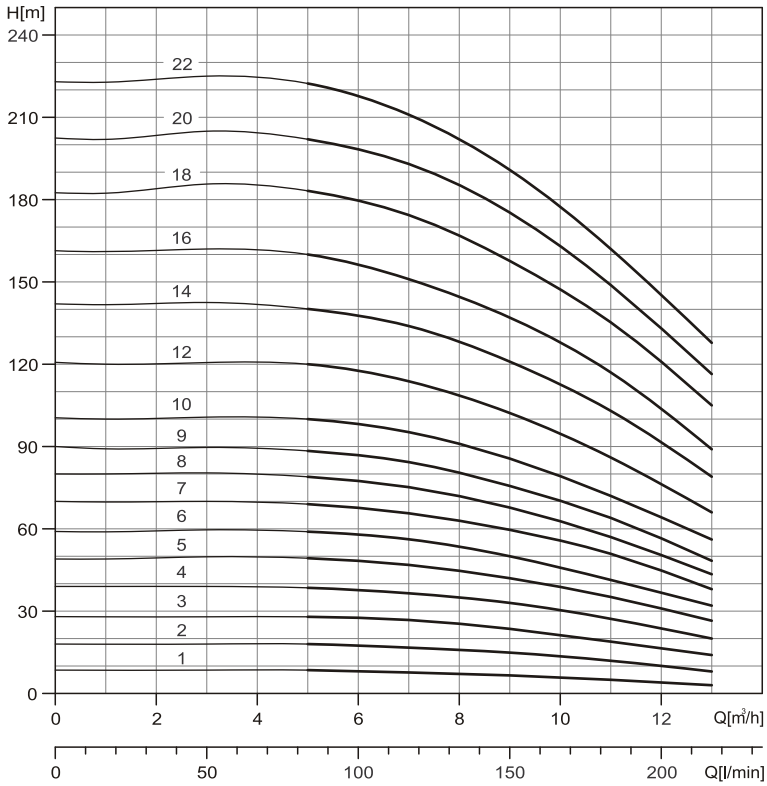
VM 5

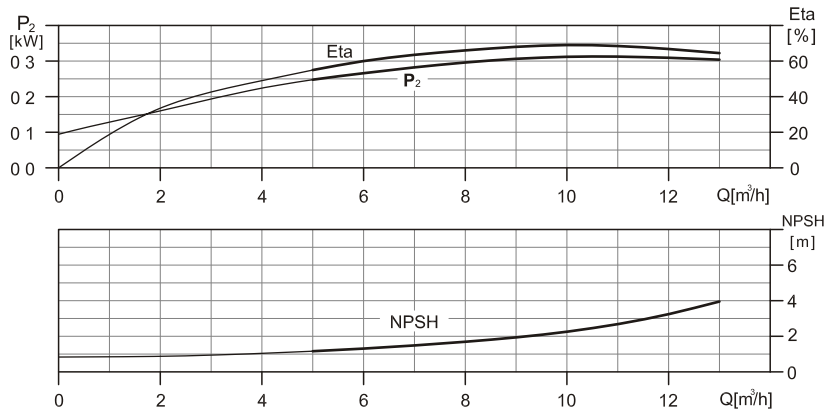
Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	
			H1	H2				DIN flange
VM 5-2	0.5	0.37	279	474	141	115	-	23.3
VM 5-3	0.75	0.55	279	501	141	115	-	24.2
VM 5-4	0.75	0.55	297	528	141	115	-	24.8
VM 5-5	1.0	0.75	315	601	141	115	-	27.4
VM 5-6	1.5	1.1	333	628	141	115	-	29.1
VM 5-7	1.5	1.1	351	655	141	115	-	29.6
VM 5-8	1.5	1.1	375	682	141	115	-	30.1
VM 5-9	2.0	1.5	393	781	177	141	-	39.3
VM 5-10	2.0	1.5	411	808	177	141	-	39.9
VM 5-11	3.0	2.2	429	835	177	141	-	43.2
VM 5-12	3.0	2.2	447	862	177	141	-	43.7
VM 5-13	3.0	2.2	465	889	177	141	-	44.2
VM 5-14	3.0	2.2	501	916	177	141	-	44.8
VM 5-15	3.0	2.2	553	943	177	141	-	45.2
VM 5-16	3.0	2.2	589	970	177	141	-	45.8
VM 5-18	4.0	3.0	625	1053	197	197	-	54.3
VM 5-20	4.0	3.0	661	1107	197	197	-	55.5
VM 5-22	5.5	4.0	697	1171	220	220	-	59.8
VM 5-24	5.5	4.0	733	1225	220	220	-	60.8
VM 5-26	5.5	4.0	769	1279	220	220	-	62.7
VM 5-29	5.5	4.0	809	1360	220	220	-	64.6
VM 5-32	7.5	5.5	845	1507	235	147	300	90.1
VM 5-36	7.5	5.5	899	1615	235	147	300	92.6

VMI,VMN 5

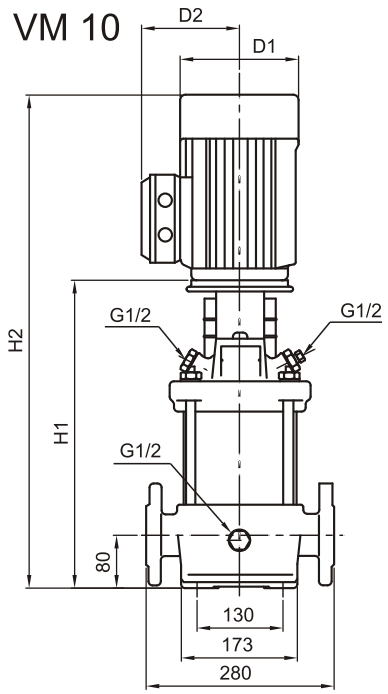
Model	Motor [P2]		VMI, VMN								
			Dimension[mm]							Net weight[kg]	
	HP	kW	Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
			H1	H2	H1	H2					
VMI, VMN 5-2	0.5	0.37	257	452	282	477	141	115	-	19.2	20.1
VMI, VMN 5-3	0.75	0.55	284	479	309	504	141	115	-	20.3	21.2
VMI, VMN 5-4	0.75	0.55	311	506	336	531	141	115	-	20.8	21.8
VMI, VMN 5-5	1.0	0.75	344	579	369	604	141	115	-	23.4	24.3
VMI, VMN 5-6	1.5	1.1	371	606	396	631	141	115	-	25.1	26.0
VMI, VMN 5-7	1.5	1.1	398	633	423	658	141	115	-	25.6	26.5
VMI, VMN 5-8	1.5	1.1	425	660	450	685	141	115	-	26.1	27.1
VMI, VMN 5-9	2.0	1.5	468	759	493	784	177	141	-	35.4	36.4
VMI, VMN 5-10	2.0	1.5	495	786	520	811	177	141	-	36.0	36.9
VMI, VMN 5-11	3.0	2.2	522	813	547	838	177	141	-	39.3	40.3
VMI, VMN 5-12	3.0	2.2	549	840	574	865	177	141	-	39.9	40.8
VMI, VMN 5-13	3.0	2.2	576	867	601	892	177	141	-	40.4	41.4
VMI, VMN 5-14	3.0	2.2	603	894	628	919	177	141	-	41.0	41.9
VMI, VMN 5-15	3.0	2.2	630	921	655	946	177	141	-	41.5	42.5
VMI, VMN 5-16	3.0	2.2	657	948	682	973	177	141	-	42.1	43.0
VMI, VMN 5-18	4.0	3.0	715	1031	740	1056	197	147	-	50.3	51.3
VMI, VMN 5-20	4.0	3.0	769	1085	794	1110	197	147	-	51.6	52.5
VMI, VMN 5-22	5.5	4.0	823	1149	848	1174	220	161	-	55.8	56.8
VMI, VMN 5-24	5.5	4.0	877	1203	902	1228	220	161	-	56.9	57.8
VMI, VMN 5-26	5.5	4.0	931	1257	956	1282	220	161	-	58.0	58.9
VMI, VMN 5-29	5.5	4.0	1012	1338	1037	1363	220	161	-	59.7	60.6
VMI, VMN 5-32	7.5	5.5	1123	1485	1148	1510	235	197	300	84.9	85.8
VMI, VMN 5-36	7.5	5.5	1231	1593	1256	1618	235	197	300	87.1	88.1

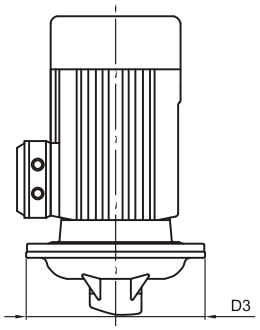
VM / VMI / VMN 10



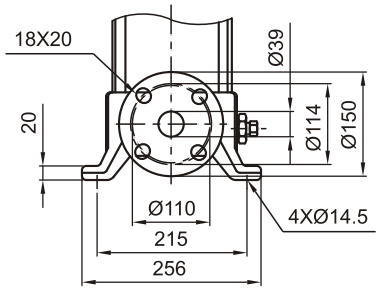


VM 10

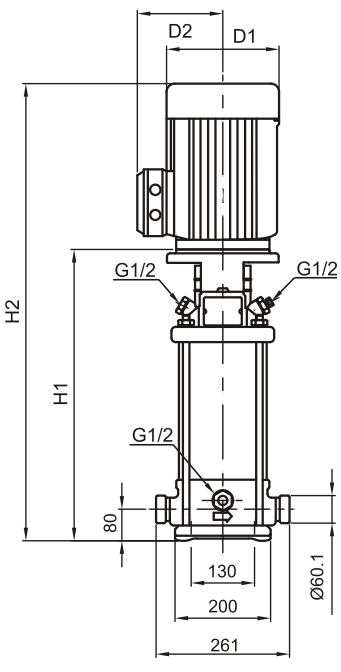


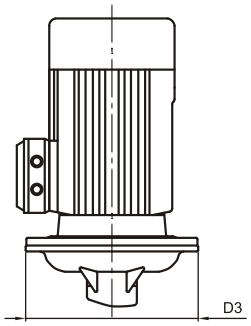


Flange(DIN-JIS)
PN 16-25 / DN40

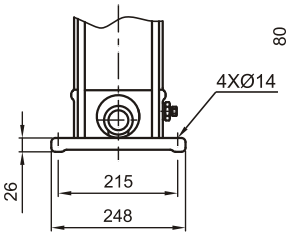


VMI,VMN 10

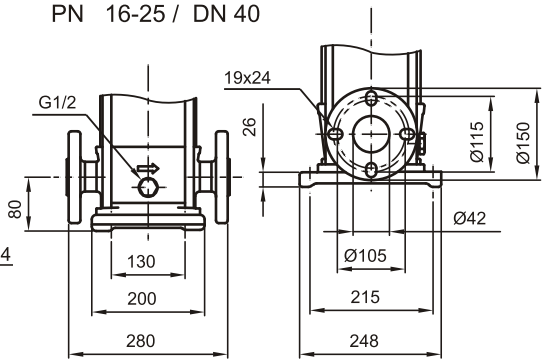




Victaulic



Flange(DIN-ANSI-JIS)
PN 16-25 / DN 40



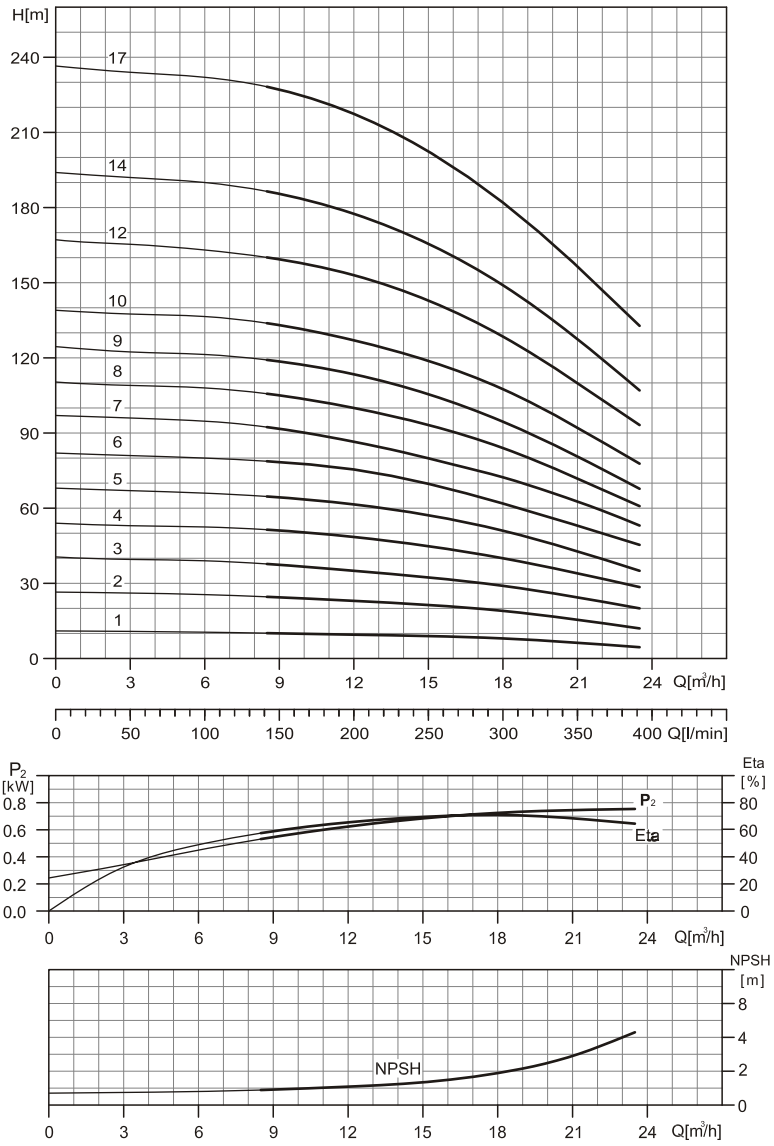
VM 10

Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	DIN flange
			H1	H2				
VM 10-1	0.5	0.37	343	538	141	115	-	35.9
VM 10-2	1.0	0.75	347	582	141	115	-	38.2
VM 10-3	1.5	1.1	377	612	141	115	-	40.3
VM 10-4	2.0	1.5	423	714	177	141	-	50.1
VM 10-5	3.0	2.2	453	744	177	141	-	53.9
VM 10-6	3.0	2.2	483	774	177	141	-	55.0
VM 10-7	4.0	3.0	518	834	197	147	-	63.8
VM 10-8	4.0	3.0	548	864	197	147	-	64.9
VM 10-9	4.0	3.0	578	894	197	147	-	65.9
VM 10-10	5.5	4.0	608	934	220	161	-	70.3
VM 10-12	5.5	4.0	668	994	220	161	-	72.4
VM 10-14	7.5	5.5	760	1122	235	197	300	104.1
VM 10-16	7.5	5.5	820	1182	235	197	300	106.2
VM 10-18	10.0	7.5	880	1278	235	197	300	113.6
VM 10-20	10.0	7.5	940	1338	235	197	300	116.7
VM 10-22	10.0	7.5	1000	1398	235	197	300	118.8

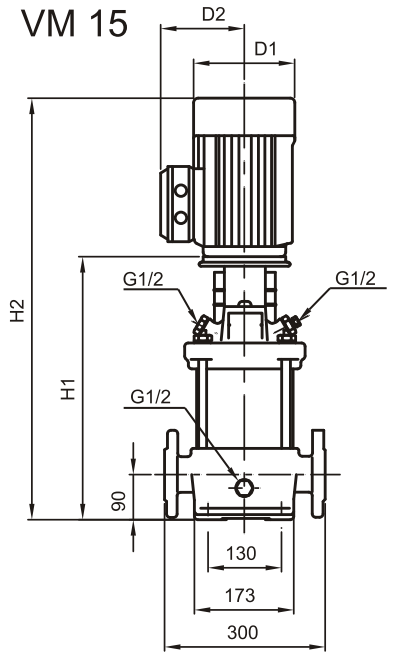
VMI,VMN 10

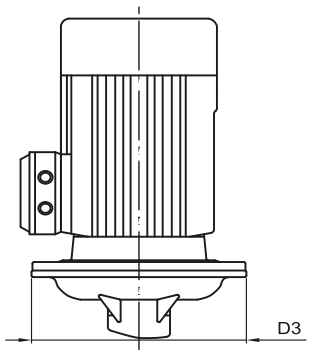
Model	Motor [P2]		VMI, VMN								
			Dimension[mm]							Net weight[kg]	
	HP	kW	Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
			H1	H2	H1	H2					
VMI, VMN 10-1	0.5	0.37	353	548	353	548	141	115	-	31.6	31.4
VMI, VMN 10-2	1.0	0.75	357	592	357	592	141	115	-	34.3	34.2
VMI, VMN 10-3	1.5	1.1	387	622	387	622	141	115	-	36.4	36.3
VMI, VMN 10-4	2.0	1.5	433	724	433	724	177	141	-	46.1	46.0
VMI, VMN 10-5	3.0	2.2	463	754	463	754	177	141	-	50.0	49.8
VMI, VMN 10-6	3.0	2.2	493	784	493	784	177	141	-	51.0	50.8
VMI, VMN 10-7	4.0	3.0	528	844	528	844	197	147	-	59.1	58.9
VMI, VMN 10-8	4.0	3.0	558	874	558	874	197	147	-	60.1	60.0
VMI, VMN 10-9	4.0	3.0	588	904	588	904	197	147	-	61.1	61.0
VMI, VMN 10-10	5.5	4.0	618	944	618	944	220	161	-	65.5	65.4
VMI, VMN 10-12	5.5	4.0	678	1004	678	1004	220	161	-	67.6	67.5
VMI, VMN 10-14	7.5	5.5	770	1132	770	1132	235	197	300	100.4	100.3
VMI, VMN 10-16	7.5	5.5	830	1192	830	1192	235	197	300	102.5	102.4
VMI, VMN 10-18	10.0	7.5	890	1288	890	1288	235	197	300	110.9	110.8
VMI, VMN 10-20	10.0	7.5	950	1348	950	1348	235	197	300	113.0	112.8
VMI, VMN 10-22	10.0	7.5	1010	1408	1010	1408	235	197	300	115.1	114.9

VM / VMI / VMN 15

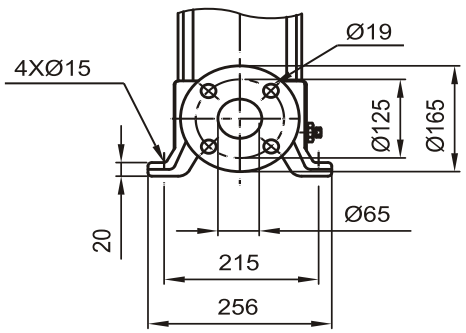


VM 15

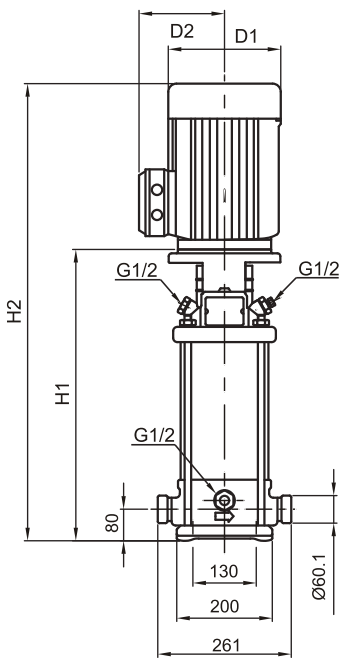


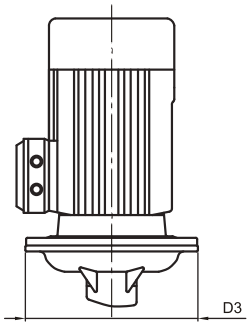


Flange(DIN)
PN 16-25 / DN 50

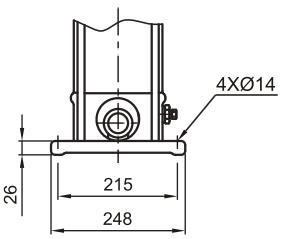


VMI,VMN 15

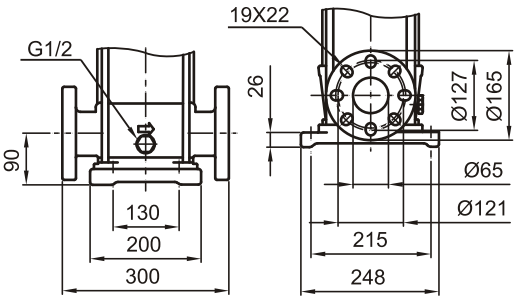




Victaulic



Flange(DIN-ANSI-JIS)
PN 16-25 / DN 50



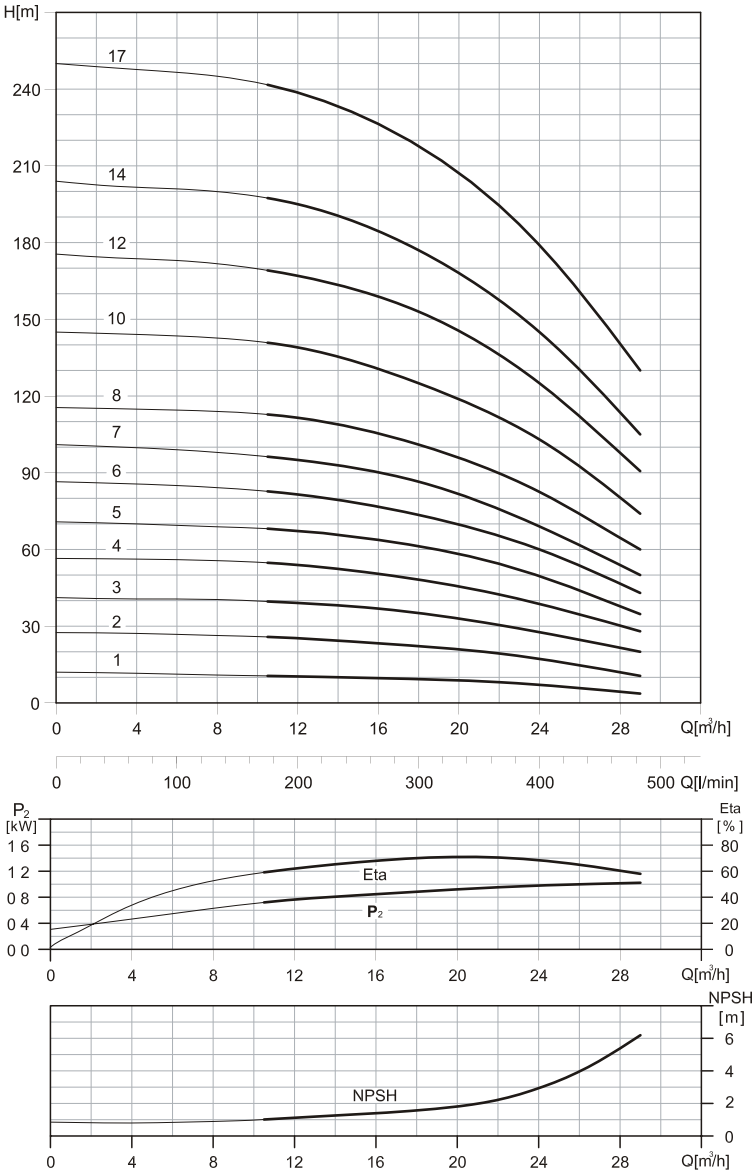
VM 15

Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	
			H1	H2				DIN flange
VM 15-1	1.5	1.1	400	635	115	115	-	43.8
VM 15-2	3.0	2.2	415	706	141	115	-	55.7
VM 15-3	4.0	3.0	465	781	147	115	-	64.9
VM 15-4	5.5	4.0	510	836	161	115	-	69.7
VM 15-5	5.5	4.0	555	881	161	115	-	71.2
VM 15-6	7.5	5.5	632	994	197	115	300	102.3
VM 15-7	7.5	5.5	677	1039	197	115	300	103.8
VM 15-8	10.0	7.5	722	1120	197	141	300	111.8
VM 15-9	10.0	7.5	767	1165	197	141	300	113.3
VM 15-10	15.0	11.0	889	1394	154	141	300	150.0
VM 15-12	15.0	11.0	979	1484	154	141	300	153.0
VM 15-14	15.0	11.0	1069	1574	154	141	300	156.3
VM 15-17	20.0	15.0	1204	1714	154	141	300	171.5

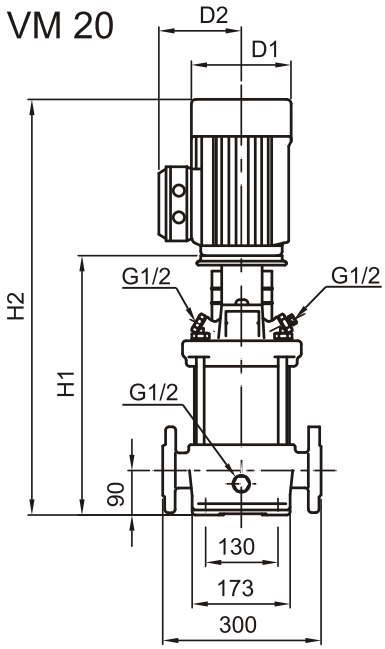
VMI,VMN 15

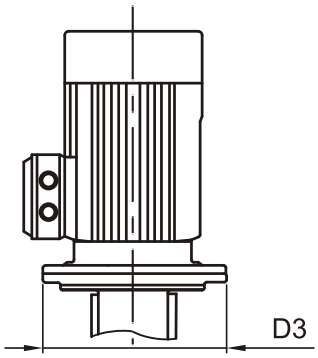
Model	Motor [P2]		VMI, VMN								
			Dimension[mm]							Net weight[kg]	
	HP	kW	Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
			H1	H2	H1	H2					
VMI, VMN 15-1	1.5	1.1	387	622	397	632	141	115	-	36.0	36.6
VMI, VMN 15-2	3.0	2.2	403	694	413	704	177	141	-	47.7	48.3
VMI, VMN 15-3	4.0	3.0	453	769	463	779	197	147	-	56.1	56.7
VMI, VMN 15-4	5.5	4.0	498	824	508	834	220	161	-	61.0	61.6
VMI, VMN 15-5	5.5	4.0	543	869	553	879	220	161	-	62.4	63.0
VMI, VMN 15-6	7.5	5.5	620	982	630	992	235	197	300	94.6	95.3
VMI, VMN 15-7	7.5	5.5	665	1027	675	1037	235	197	300	96.1	96.7
VMI, VMN 15-8	10.0	7.5	710	1108	720	1118	235	197	300	104.1	104.7
VMI, VMN 15-9	10.0	7.5	755	1153	765	1163	235	197	300	105.6	106.2
VMI, VMN 15-10	15.0	11.0	877	1382	887	1392	318	154	350	142.7	143.3
VMI, VMN 15-12	15.0	11.0	967	1472	977	1482	318	154	350	145.5	146.2
VMI, VMN 15-14	15.0	11.0	1057	1562	1067	1572	318	154	350	148.5	149.1
VMI, VMN 15-17	20.0	15.0	1192	1702	1202	1712	318	154	350	162.9	163.5

VM / VMI / VMN 20

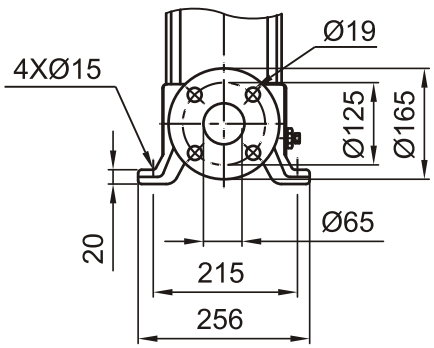


VM 20

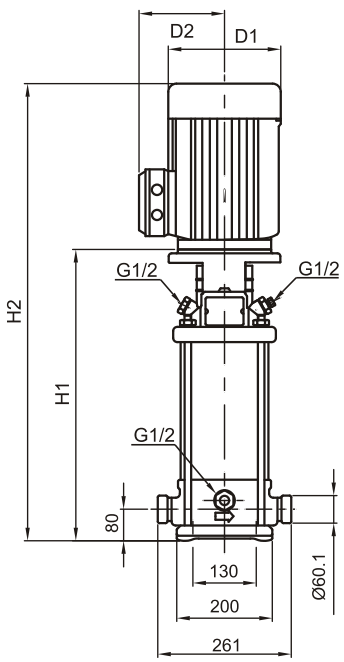


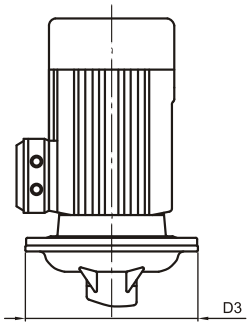


Flange(DIN)
PN 16-25 / DN 50

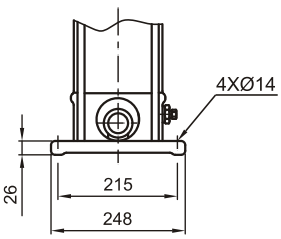


VMI,VMN 20

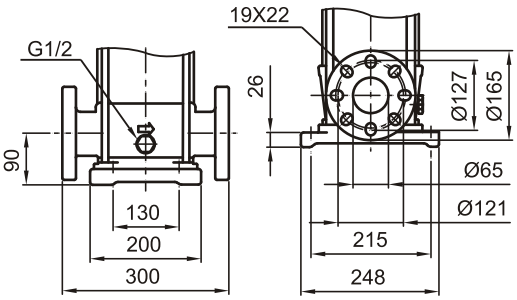




Victaulic



Flange(DIN-ANSI-JIS)
PN 16-25 / DN 50



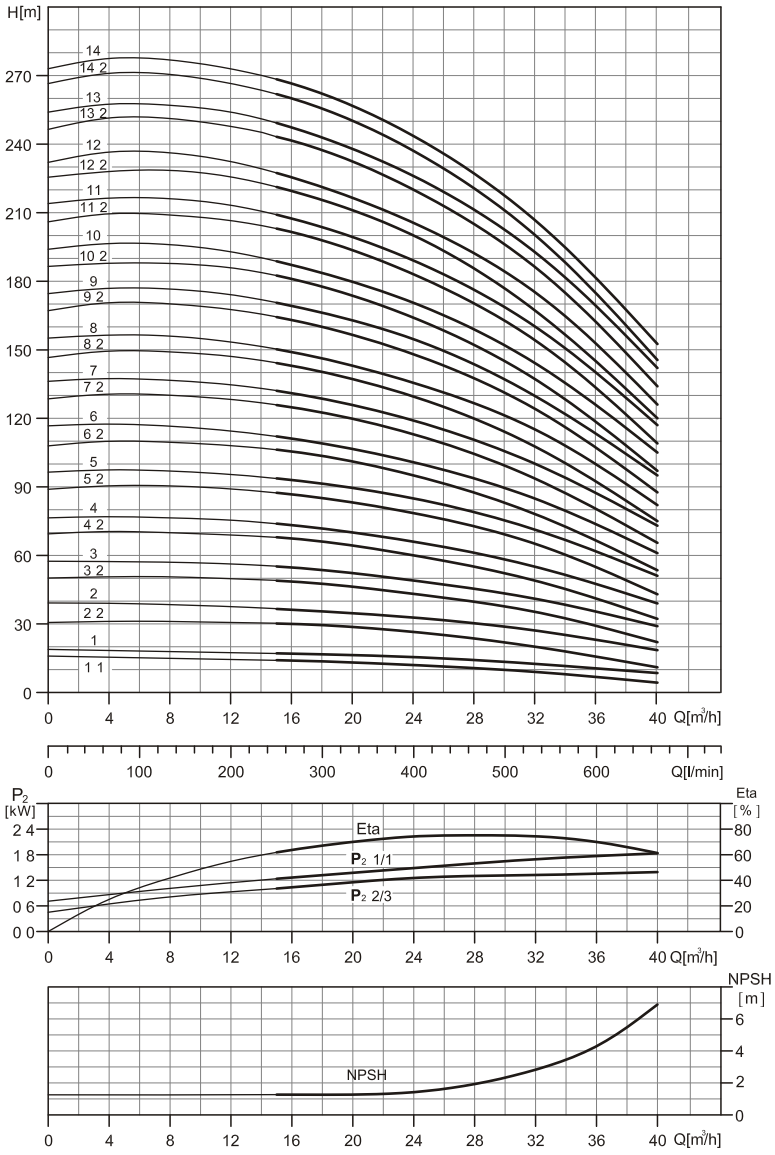
VM 20

Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	
			H1	H2				DIN flange
VM 20-1	1.5	1.1	400	636	141	115	-	43.8
VM 20-2	3.0	2.2	415	708	177	141	-	55.7
VM 20-3	5.5	4.0	465	795	220	161	-	68.3
VM 20-4	7.5	5.5	542	910	235	197	300	99.4
VM 20-5	7.5	5.5	587	955	235	197	300	100.8
VM 20-6	10.0	7.5	632	1038	235	197	300	108.6
VM 20-7	10.0	7.5	677	1083	235	197	300	110.1
VM 20-8	15.0	11.0	799	1315	318	245	350	147.1
VM 20-10	15.0	11.0	889	1405	318	245	350	150.0
VM 20-12	20.0	15.0	979	1504	318	245	350	163.1
VM 20-14	20.0	15.0	1069	1594	318	245	350	166.0
VM 20-17	25.0	18.5	1204	1773	318	245	350	195.4

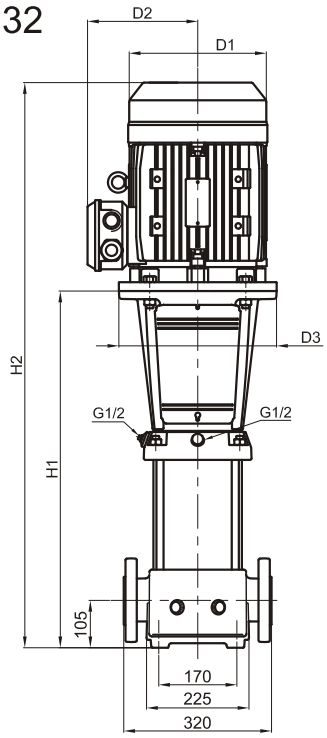
VMI,VMN 20

Model	Motor [P2]		VMI, VMN								
			Dimension[mm]							Net weight[kg]	
	HP	kW	Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
			H1	H2	H1	H2					
VMI, VMN 20-1	1.5	1.1	387	653	397	632	141	115	-	36.0	36.6
VMI, VMN 20-2	3.0	2.2	403	696	413	704	177	141	-	47.7	48.3
VMI, VMN 20-3	5.5	4.0	453	783	463	789	220	161	-	59.5	60.2
VMI, VMN 20-4	7.5	5.5	530	898	540	902	235	197	300	91.7	92.3
VMI, VMN 20-5	7.5	5.5	575	943	585	947	235	197	300	93.2	93.8
VMI, VMN 20-6	10.0	7.5	620	1026	630	1028	235	197	300	100.9	101.6
VMI, VMN 20-7	10.0	7.5	665	1071	675	1073	235	197	300	102.4	103.0
VMI, VMN 20-8	15.0	11.0	787	1303	797	1302	318	245	350	139.7	140.3
VMI, VMN 20-10	15.0	11.0	877	1393	887	1392	318	245	350	142.7	143.3
VMI, VMN 20-12	20.0	15.0	967	1492	977	1487	318	245	350	155.7	156.3
VMI, VMN 20-14	20.0	15.0	1057	1582	1067	1577	318	245	350	158.6	159.2
VMI, VMN 20-17	25.0	18.5	1192	1761	1202	1752	318	245	350	187.8	188.5

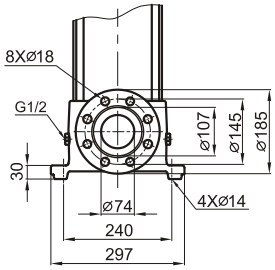
VM / VMI / VMN 32



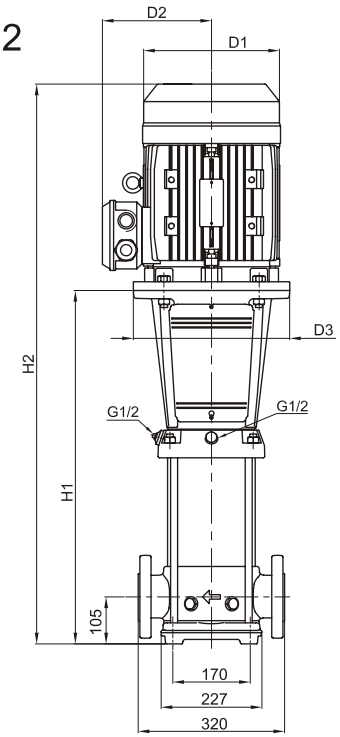
VM 32



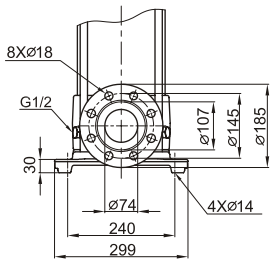
Flange(DIN)
PN 16-25-40 / DN 65



VMI,VMN 32



Flange(DIN)
PN 16-25-40 / DN 65



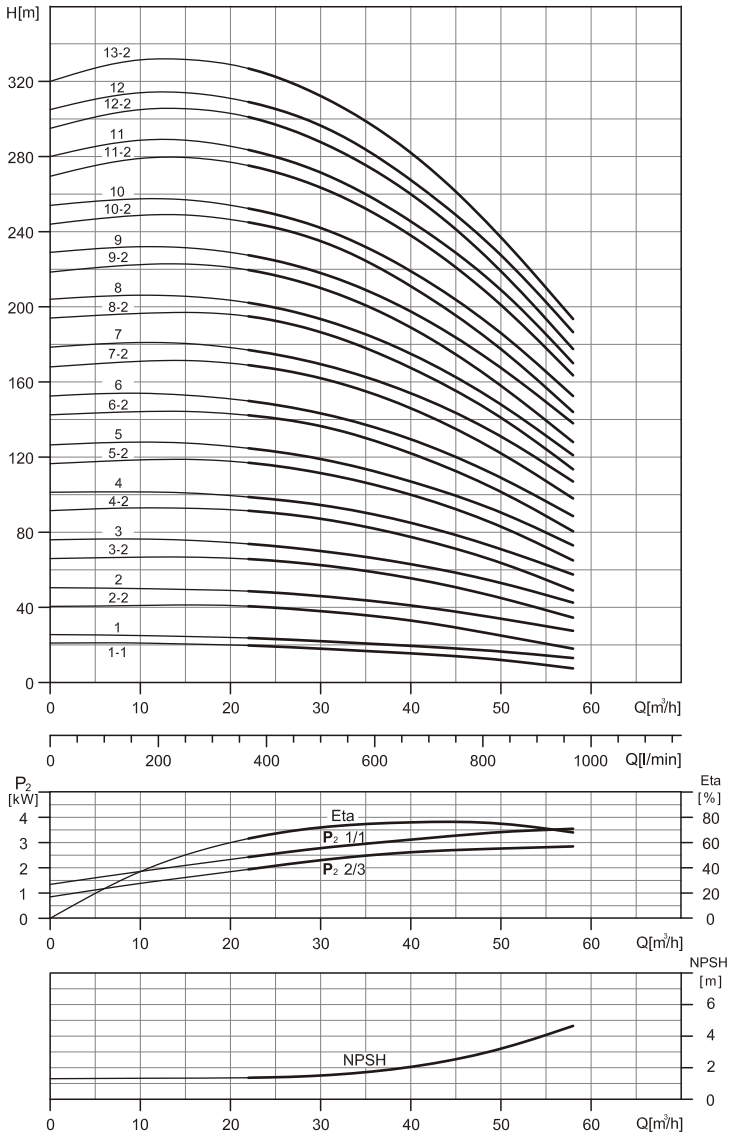
VM 32

Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	DIN flange
			H1	H2				
VM 32-1-1	2.0	1.5	504	795	177	141	280	71.5
VM 32-1	3.0	2.2	504	795	177	141	280	74.3
VM 32-2-2	4.0	3.0	574	935	197	147	280	84.2
VM 32-2	5.5	4.0	574	900	220	161	280	87.6
VM 32-3-2	7.5	5.5	644	1006	235	197	300	110.2
VM 32-3	7.5	5.5	644	1006	235	197	300	110.2
VM 32-4-2	10.0	7.5	714	1112	235	197	300	119.5
VM 32-4	10.0	7.5	714	1112	235	197	300	119.5
VM 32-5-2	15.0	11.0	894	1399	318	245	350	163.3
VM 32-5	15.0	11.0	894	1399	318	245	350	163.3
VM 32-6-2	15.0	11.0	964	1469	318	245	350	166.3
VM 32-6	15.0	11.0	964	1469	318	245	350	166.3
VM 32-7-2	20.0	15.0	1034	1544	235	245	300	179.5
VM 32-7	20.0	15.0	1034	1544	235	245	300	179.5
VM 32-8-2	20.0	15.0	1104	1614	318	245	350	182.6
VM 32-8	20.0	15.0	1104	1614	318	245	350	182.6
VM 32-9-2	25.0	18.5	1174	1724	318	245	350	210.6
VM 32-9	25.0	18.5	1174	1724	318	245	350	210.6
VM 32-10-2	25.0	18.5	1244	1794	318	245	350	212.7
VM 32-10	25.0	18.5	1244	1794	318	245	300	213.7
VM 32-11-2	30.0	22.0	1314	1894	358	265	350	258.8
VM 32-11	30.0	22.0	1314	1894	358	265	350	258.8
VM 32-12-2	30.0	22.0	1384	1964	358	265	350	260.8
VM 32-12	30.0	22.0	1384	1964	358	265	350	260.8
VM 32-13-2	40.0	30.0	1454	2114	420	295	400	328.2
VM 32-13	40.0	30.0	1454	2114	420	295	400	328.2
VM 32-14-2	40.0	30.0	1524	2184	420	295	400	331.3
VM 32-14	40.0	30.0	1524	2184	420	295	400	331.3

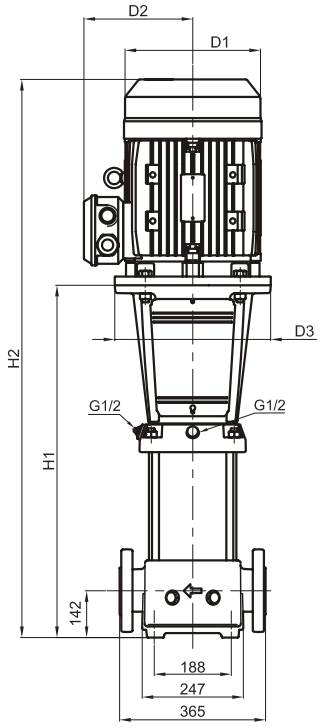
VMI,VMN 32

Model	Motor [P2]		VMI, VMN					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	DIN flange
			H1	H2				
VMI, VMN 32-1-1	2.0	1.5	504	795	177	141	280	66.5
VMI, VMN 32-1	3.0	2.2	504	795	177	141	280	69.3
VMI, VMN 32-2-2	4.0	3.0	574	935	197	147	280	79.1
VMI, VMN 32-2	5.5	4.0	574	900	220	161	280	82.5
VMI, VMN 32-3-2	7.5	5.5	644	1006	235	197	300	105.1
VMI, VMN 32-3	7.5	5.5	644	1006	235	197	300	105.1
VMI, VMN 32-4-2	10.0	7.5	714	1112	235	197	300	114.5
VMI, VMN 32-4	10.0	7.5	714	1112	235	197	300	114.6
VMI, VMN 32-5-2	15.0	11.0	894	1399	318	245	350	158.2
VMI, VMN 32-5	15.0	11.0	894	1399	318	245	350	158.3
VMI, VMN 32-6-2	15.0	11.0	964	1469	318	245	350	161.3
VMI, VMN 32-6	15.0	11.0	964	1469	318	245	350	161.4
VMI, VMN 32-7-2	20.0	15.0	1034	1544	235	245	300	174.6
VMI, VMN 32-7	20.0	15.0	1034	1544	235	245	300	174.6
VMI, VMN 32-8-2	20.0	15.0	1104	1614	318	245	350	177.9
VMI, VMN 32-8	20.0	15.0	1104	1614	318	245	350	177.9
VMI, VMN 32-9-2	25.0	18.5	1174	1724	318	245	350	205.5
VMI, VMN 32-9	25.0	18.5	1174	1724	318	245	350	205.6
VMI, VMN 32-10-2	25.0	18.5	1244	1794	318	245	350	208.1
VMI, VMN 32-10	25.0	18.5	1244	1794	318	245	300	208.2
VMI, VMN 32-11-2	30.0	22.0	1314	1894	358	265	350	253.6
VMI, VMN 32-11	30.0	22.0	1314	1894	358	265	350	253.6
VMI, VMN 32-12-2	30.0	22.0	1384	1964	358	265	350	256.3
VMI, VMN 32-12	30.0	22.0	1384	1964	358	265	350	256.3
VMI, VMN 32-13-2	40.0	30.0	1454	2114	420	295	400	323.6
VMI, VMN 32-13	40.0	30.0	1454	2114	420	295	400	323.6
VMI, VMN 32-14-2	40.0	30.0	1524	2184	420	295	400	326.3
VMI, VMN 32-14	40.0	30.0	1524	2184	420	295	400	326.3

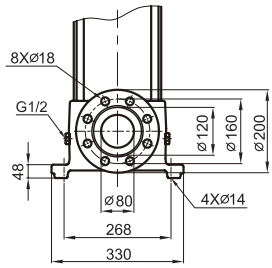
VM / VMI / VMN 45



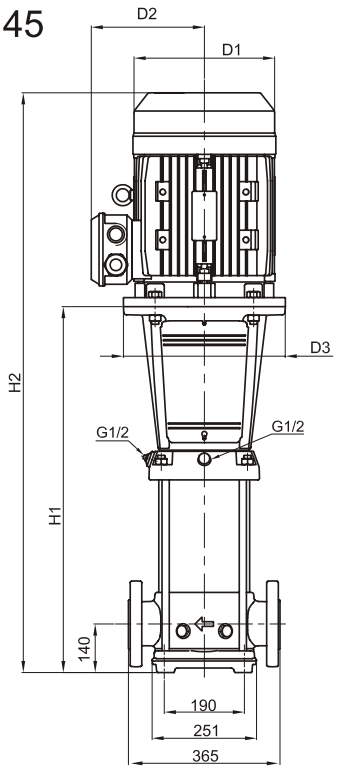
VM 45



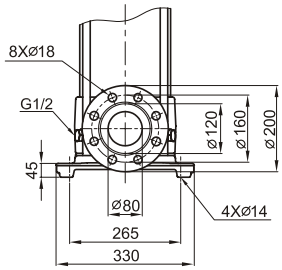
Flange(DIN)
PN 16-40 / DN 80



VMI,VMN 45



Flange(DIN)
PN 16-25-40 / DN 80



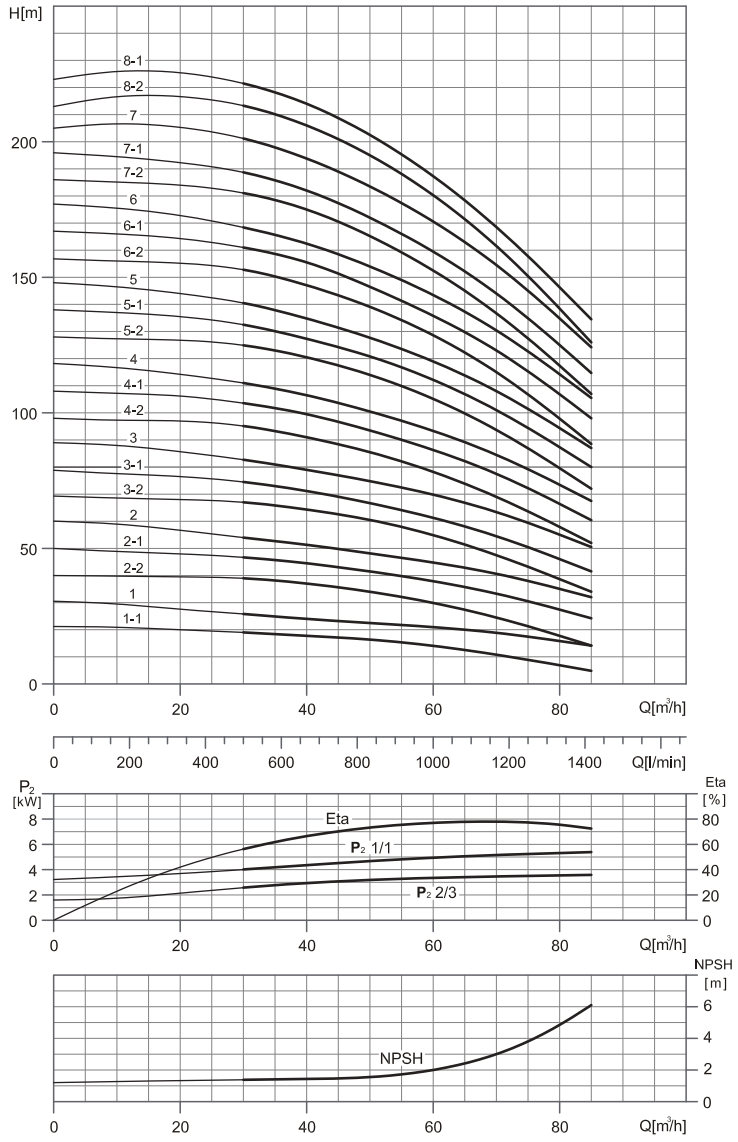
VM 45

Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	DIN flange
			H1	H2				
VM 45-1-1	4.0	3.0	561	877	197	147	280	91.7
VM 45-1	5.5	4.0	561	887	220	161	280	95.1
VM 45-2-2	7.5	5.5	641	1003	235	197	300	118.3
VM 45-2	10.0	7.5	641	1039	318	197	300	124.6
VM 45-3-2	15.0	11.0	831	1336	318	245	300	169.0
VM 45-3	15.0	11.0	831	1336	318	245	350	169.0
VM 45-4-2	20.0	15.0	911	1421	318	245	350	182.9
VM 45-4	20.0	15.0	911	1421	318	245	350	182.9
VM 45-5-2	25.0	18.5	991	1541	318	245	350	211.6
VM 45-5	25.0	18.5	991	1541	318	245	350	211.6
VM 45-6-2	30.0	22.0	1071	1651	358	245	350	258.1
VM 45-6	30.0	22.0	1071	1651	358	265	350	258.1
VM 45-7-2	40.0	30.0	1151	1811	420	295	400	326.4
VM 45-7	40.0	30.0	1151	1811	420	295	400	326.5
VM 45-8-2	40.0	30.0	1231	1891	420	295	400	330.2
VM 45-8	40.0	30.0	1231	1891	420	295	400	331.3
VM 45-9-2	40.0	30.0	1311	1971	420	295	400	334.0
VM 45-9	50.0	37.0	1311	1971	420	295	400	347.0
VM 45-10-2	50.0	37.0	1391	2051	420	295	400	350.7
VM 45-10	50.0	37.0	1391	2051	420	295	400	350.7
VM 45-11-2	60.0	45.0	1471	2161	470	325	450	412.5
VM 45-11	60.0	45.0	1471	2161	470	325	450	412.5
VM 45-12-2	60.0	45.0	1551	2241	470	325	450	416.2
VM 45-12	60.0	45.0	1551	2241	470	325	450	416.2
VM 45-13-2	60.0	45.0	1631	2321	470	325	450	419.9

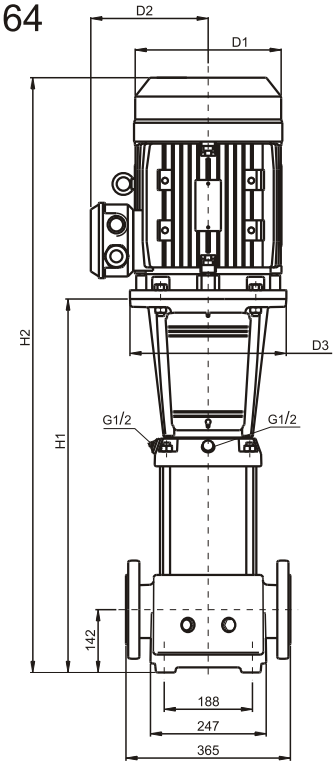
VMI,VMN 45

Model	Motor [P2]		VMI, VMN					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	DIN flange
			H1	H2				
VMI, VMN 45-1-1	4.0	3.0	559	875	197	147	280	82.9
VMI, VMN 45-1	5.5	4.0	559	885	220	161	280	86.3
VMI, VMN 45-2-2	7.5	5.5	639	1001	235	197	300	109.5
VMI, VMN 45-2	10.0	7.5	639	1037	235	197	300	115.8
VMI, VMN 45-3-2	15.0	11.0	829	1334	318	245	350	160.2
VMI, VMN 45-3	15.0	11.0	829	1334	318	245	350	160.2
VMI, VMN 45-4-2	20.0	15.0	909	1419	318	245	350	174.1
VMI, VMN 45-4	20.0	15.0	909	1419	318	245	350	174.1
VMI, VMN 45-5-2	25.0	18.5	989	1539	318	245	350	202.8
VMI, VMN 45-5	25.0	18.5	989	1539	318	245	350	202.8
VMI, VMN 45-6-2	30.0	22.0	1069	1649	358	265	350	249.3
VMI, VMN 45-6	30.0	22.0	1069	1649	358	265	350	249.3
VMI, VMN 45-7-2	40.0	30.0	1149	1809	420	295	400	317.7
VMI, VMN 45-7	40.0	30.0	1149	1809	420	295	400	317.7
VMI, VMN 45-8-2	40.0	30.0	1229	1889	420	295	400	321.4
VMI, VMN 45-8	40.0	30.0	1229	1889	420	295	400	321.5
VMI, VMN 45-9-2	40.0	30.0	1309	1969	420	295	400	325.2
VMI, VMN 45-9	50.0	37.0	1309	1969	420	295	400	338.2
VMI, VMN 45-10-2	50.0	37.0	1389	2049	420	295	400	341.9
VMI, VMN 45-10	50.0	37.0	1389	2049	420	295	400	341.9
VMI, VMN 45-11-2	60.0	45.0	1469	2159	470	325	450	403.7
VMI, VMN 45-11	60.0	45.0	1469	2159	470	325	450	403.7
VMI, VMN 45-12-2	60.0	45.0	1549	2239	470	325	450	407.4
VMI, VMN 45-12	60.0	45.0	1549	2239	470	325	450	407.4
VMI, VMN 45-13-2	60.0	45.0	1629	2319	470	325	450	411.1

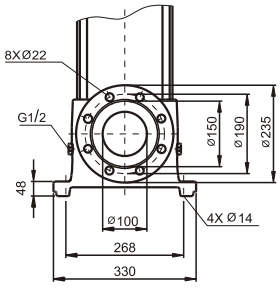
VM / VMI / VMN 64



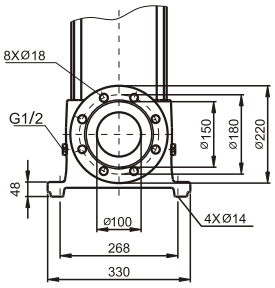
VM 64



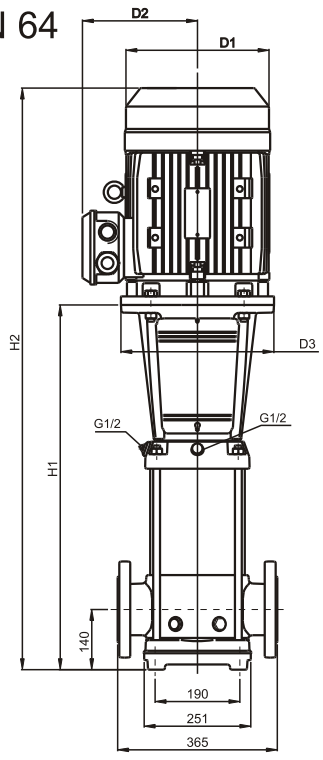
Flange(DIN)
PN 25-40 / DN 100



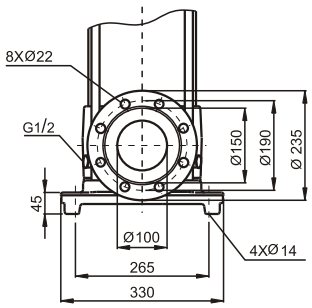
Flange(DIN)
PN 16 / DN 100



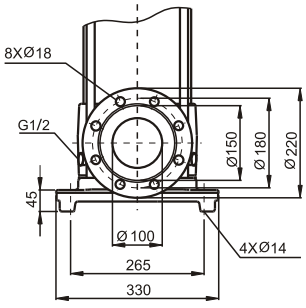
VMI,VMN 64



Flange(DIN)
PN 25-40 / DN 100



Flange(DIN)
PN 16 / DN 100



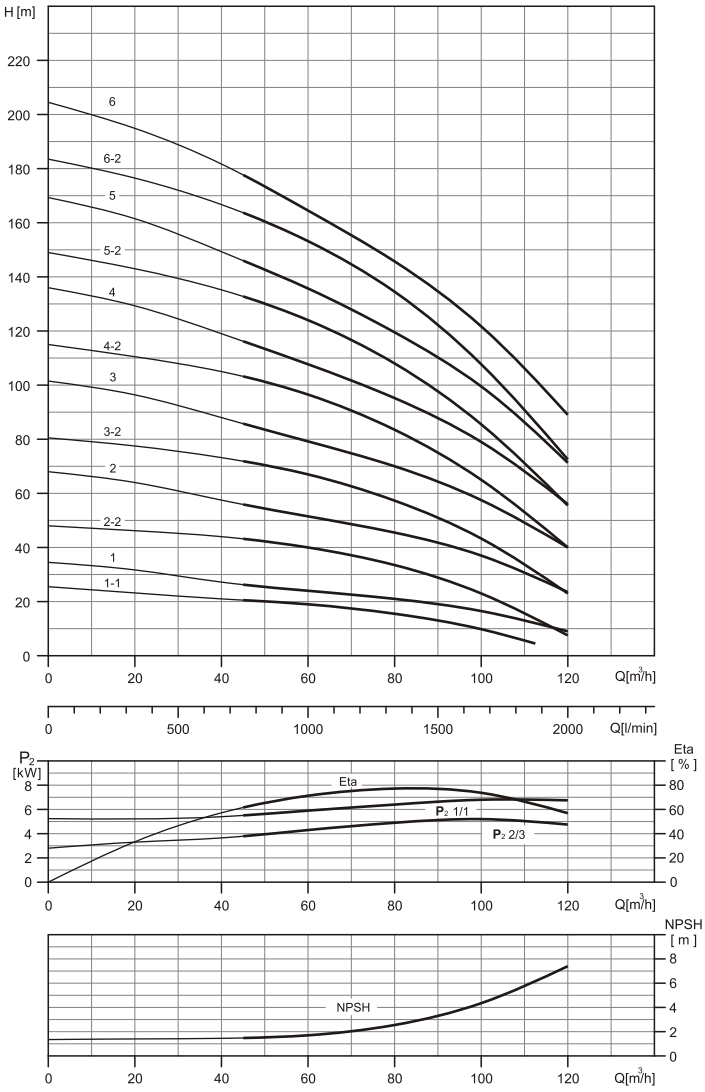
VM 64

Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	DIN flange
			H1	H2				
VM 64-1-1	5.5	4.0	563	889	220	161	280	88.9
VM 64-1	7.5	5.5	563	613	235	197	300	108.3
VM 64-2-2	10.0	7.5	646	702	235	197	300	118.7
VM 64-2-1	15.0	11.0	756	1261	318	245	300	159.3
VM 64-2	15.0	11.0	756	1261	318	245	300	159.3
VM 64-3-2	20.0	15.0	838	1348	318	245	350	174.0
VM 64-3-1	20.0	15.0	838	1348	318	245	350	174.0
VM 64-3	25.0	18.5	838	1388	318	245	350	198.9
VM 64-4-2	25.0	18.5	921	1471	318	245	350	202.9
VM 64-4-1	30.0	22.0	921	1501	358	265	350	245.7
VM 64-4	30.0	22.0	921	1501	358	265	350	245.7
VM 64-5-2	40.0	30.0	1003	1663	420	295	400	314.3
VM 64-5-1	40.0	30.0	1003	1663	420	295	400	314.3
VM 64-5	40.0	30.0	1003	1663	420	295	400	314.3
VM 64-6-2	40.0	30.0	1086	1746	420	295	400	318.2
VM 64-6-1	50.0	37.0	1086	1746	420	295	400	331.2
VM 64-6	50.0	37.0	1086	1746	420	295	400	331.2
VM 64-7-2	50.0	37.0	1168	1828	420	295	400	335.3
VM 64-7-1	50.0	37.0	1168	1828	420	295	400	335.3
VM 64-7	60.0	45.0	1172	1862	470	325	450	393.4
VM 64-8-2	60.0	45.0	1255	1945	470	325	450	397.5
VM 64-8-1	60.0	45.0	1255	1945	470	325	450	397.5

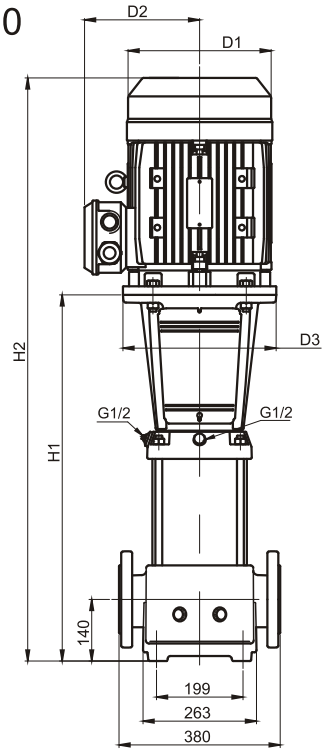
VMI,VMN 64

Model	Motor [P2]		VMI, VMN					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	DIN flange
			H1	H2				
VMI, VMN 64-1-1	5.5	4.0	563	889	220	161	280	81.8
VMI, VMN 64-1	7.5	5.5	563	613	235	197	300	101.3
VMI, VMN 64-2-2	10.0	7.5	646	702	235	197	300	111.7
VMI, VMN 64-2-1	15.0	11.0	756	1261	318	245	350	152.3
VMI, VMN 64-2	15.0	11.0	756	1261	318	245	350	152.3
VMI, VMN 64-3-2	20.0	15.0	838	1348	318	245	350	166.5
VMI, VMN 64-3-1	20.0	15.0	838	1348	318	245	350	166.5
VMI, VMN 64-3	25.0	18.5	838	1388	318	245	350	191.4
VMI, VMN 64-4-2	25.0	18.5	921	1471	318	245	350	195.4
VMI, VMN 64-4-1	30.0	22.0	921	1501	358	265	350	238.1
VMI, VMN 64-4	30.0	22.0	921	1501	358	265	350	238.1
VMI, VMN 64-5-2	40.0	30.0	1003	1663	420	295	400	306.7
VMI, VMN 64-5-1	40.0	30.0	1003	1663	420	295	400	306.7
VMI, VMN 64-5	40.0	30.0	1003	1663	420	295	400	306.7
VMI, VMN 64-6-2	40.0	30.0	1086	1746	420	295	400	310.7
VMI, VMN 64-6-1	50.0	37.0	1086	1746	420	295	400	323.7
VMI, VMN 64-6	50.0	37.0	1086	1746	420	295	400	323.7
VMI, VMN 64-7-2	50.0	37.0	1168	1828	420	295	400	327.7
VMI, VMN 64-7-1	50.0	37.0	1168	1828	420	295	400	327.7
VMI, VMN 64-7	60.0	45.0	1172	1862	470	295	450	385.8
VMI, VMN 64-8-2	60.0	45.0	1255	1945	470	325	450	390.0
VMI, VMN 64-8-1	60.0	45.0	1255	1945	470	325	450	390.0

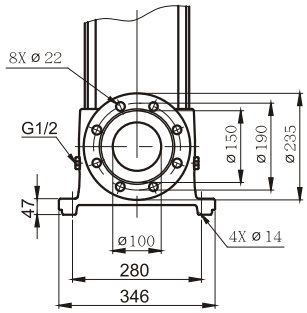
VM / VMI / VMN 90



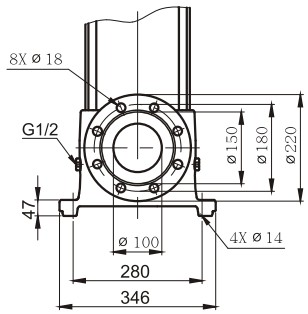
VM 90



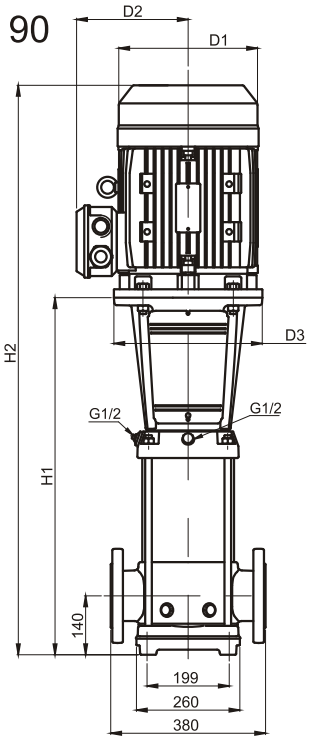
Flange(DIN)
PN 25-40 / DN 100



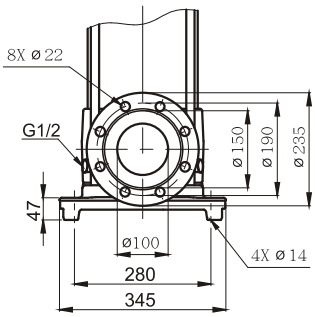
Flange(DIN)
PN 16 / DN 100



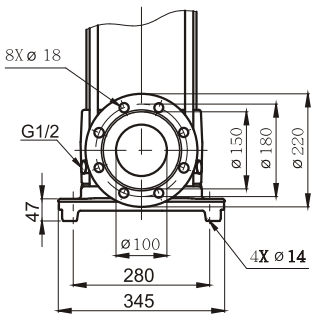
VMI,VMN 90



Flange(DIN)
PN 25-40 / DN 100



Flange(DIN)
PN 16 / DN 100



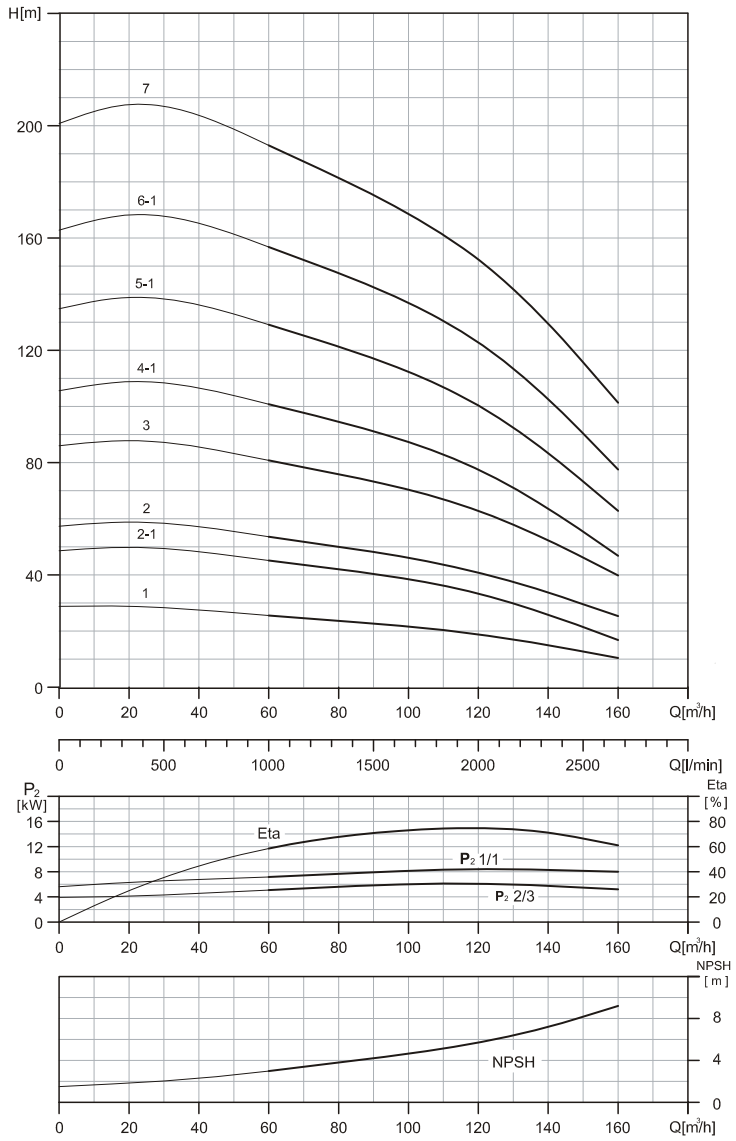
VM 90

Model	Motor [P2]		VM					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	
			H1	H2				DIN flange
VM 90-1-1	7.5	5.5	572	934	235	197	300	122.2
VM 90-1	10.0	7.5	572	970	235	197	300	128.5
VM 90-2-2	15.0	11.0	774	1279	318	245	350	174.4
VM 90-2	20.0	15.0	774	1284	318	245	350	184.5
VM 90-3-2	25.0	18.5	866	1416	318	245	350	214.7
VM 90-3	30.0	22.0	866	1446	358	265	350	257.5
VM 90-4-2	40.0	30.0	958	1618	420	295	400	327.3
VM 90-4	40.0	30.0	958	1618	420	295	400	327.3
VM 90-5-2	50.0	37.0	1050	1710	420	295	400	346.9
VM 90-5	50.0	37.0	1050	1710	420	295	400	346.9
VM 90-6-2	60.0	45.0	1142	1832	470	325	450	410.2
VM 90-6	60.0	45.0	1142	1832	470	325	450	410.3

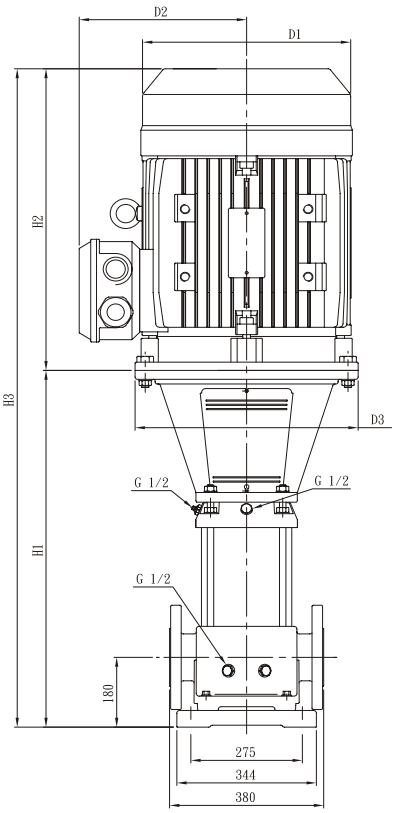
VMI,VMN 90

Model	Motor [P2]		VMI, VMN					
			Dimension[mm]					Net weight [kg]
	HP	kW	DIN flange		D1	D2	D3	
			H1	H2				DIN flange
VMI, VMN 90-1-1	7.5	5.5	576	938	235	197	300	112.1
VMI, VMN 90-1	10.0	7.5	576	974	235	197	300	118.4
VMI, VMN 90-2-2	15.0	11.0	778	1283	318	245	350	164.2
VMI, VMN 90-2	20.0	15.0	778	1288	318	245	350	174.3
VMI, VMN 90-3-2	25.0	18.5	870	1420	318	245	350	204.4
VMI, VMN 90-3	30.0	22.0	870	1450	358	265	350	247.2
VMI, VMN 90-4-2	40.0	30.0	962	1622	420	295	400	316.9
VMI, VMN 90-4	40.0	30.0	962	1622	420	295	400	316.9
VMI, VMN 90-5-2	50.0	37.0	1054	1714	420	295	400	336.9
VMI, VMN 90-5	50.0	37.0	1054	1714	420	295	400	337.0
VMI, VMN 90-6-2	60.0	45.0	1146	1836	470	325	450	400.0
VMI, VMN 90-6	60.0	45.0	1146	1836	470	325	450	400.1

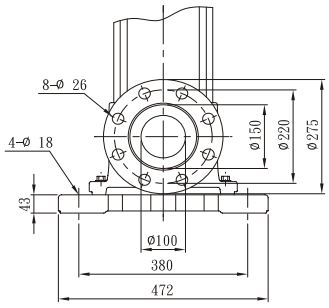
VM / VMI / VMN 120



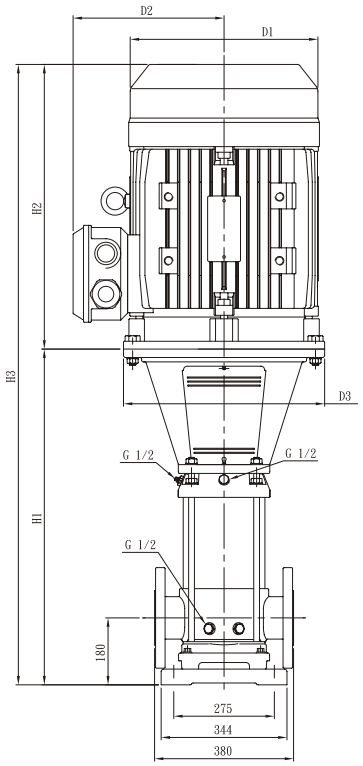
VM 120



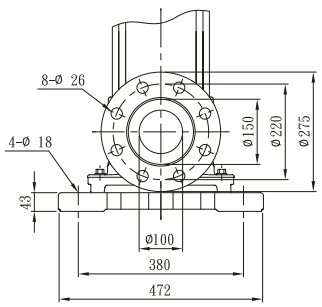
Flange(DIN) PN 25-40 / DN 125



VMI,VMN 120



Flange(DIN) PN 25-40 / DN 125



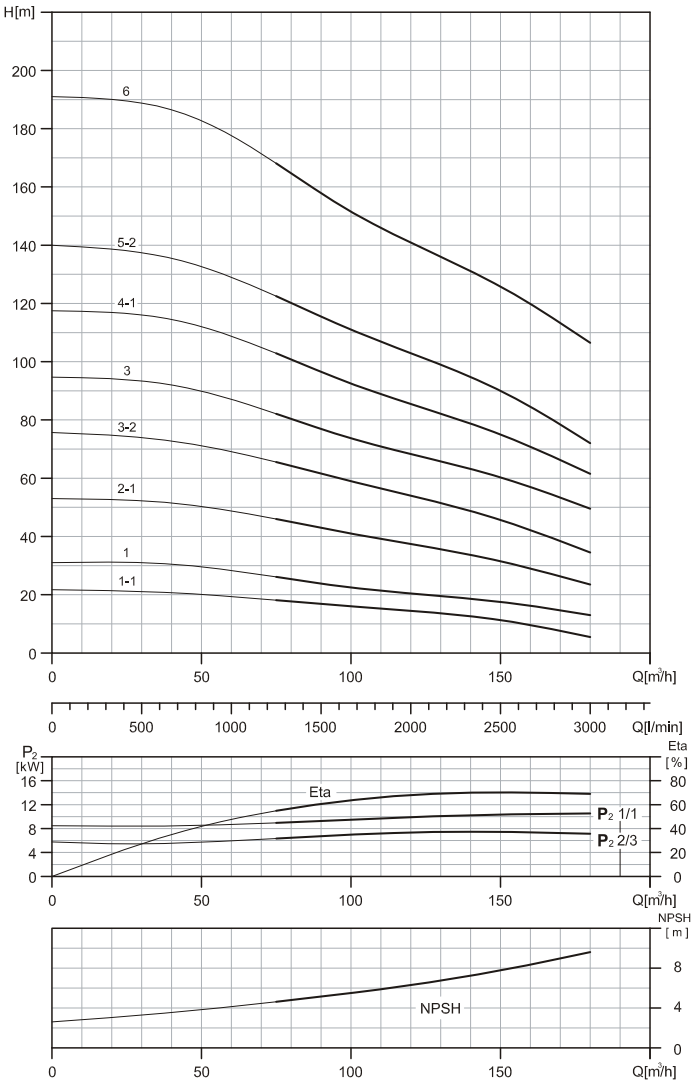
VM 120

Model	Motor [P2]		VM						
			Dimension[mm]						Net weight [kg]
	HP	kW	DIN flange			D1	D2	D3	
			H1	H2	H3				DIN flange
VM 120-1-1	15.0	11.0	834	505	1339	318	245	350	200.1
VM 120-2-1	25.0	18.5	990	550	1540	318	245	350	245.1
VM 120-2	30.0	22.0	990	580	1570	358	265	350	291.8
VM 120-3	40.0	30.0	1145	660	1805	420	295	400	362.5
VM 120-4-1	50.0	37.0	1301	660	1961	420	295	400	385.5
VM 120-5-1	60.0	45.0	1460	690	2150	470	325	450	453.6
VM 120-6-1	75.0	55.0	1642	770	2412	510	355	550	578.8
VM 120-7	100.0	75.0	1797	845	2642	580	410	550	751.4

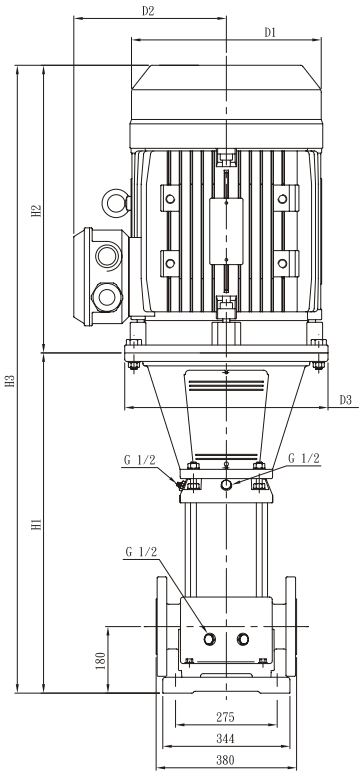
VMI,VMN 120

Model	Motor [P2]		VMI, VMN						
			Dimension[mm]						Net weight [kg]
	HP	kW	DIN flange			D1	D2	D3	
			H1	H2	H3				DIN flange
VMI, VMN 120-1-1	15.0	11.0	837	505	1342	318	245	350	184.3
VMI, VMN 120-2-1	25.0	18.5	993	550	1543	318	245	350	229.5
VMI, VMN 120-2	30.0	22.0	993	580	1573	358	265	350	276.1
VMI, VMN 120-3	40.0	30.0	1149	660	1809	420	295	400	346.9
VMI, VMN 120-4-1	50.0	37.0	1304	660	1964	420	295	400	370.1
VMI, VMN 120-5-1	60.0	45.0	1463	690	2153	470	325	450	438.3
VMI, VMN 120-6-1	75.0	55.0	1645	770	2415	510	355	550	563.8
VMI, VMN 120-7	100.0	75.0	1800	845	2645	580	410	550	736.5

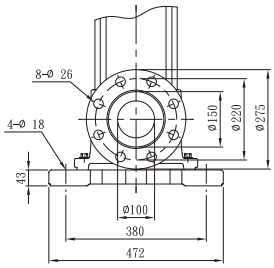
VM / VMI / VMN 150



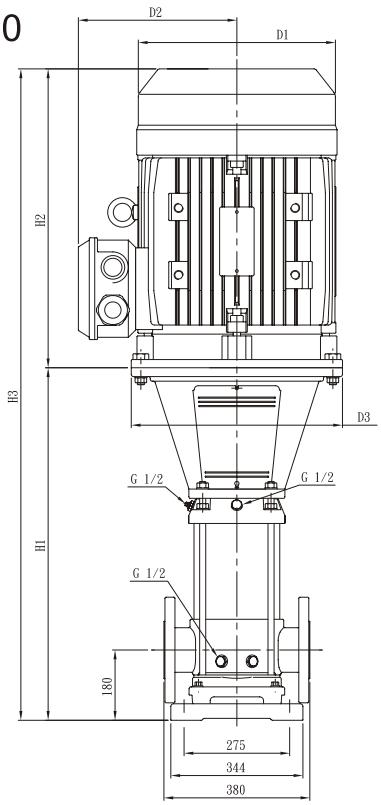
VM 150



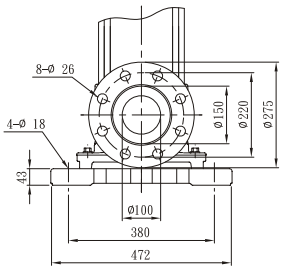
Flange(DIN)
PN 25-40 / DN 125



VMI,VMN 150



Flange(DIN)
PN 25-40 / DN 125



VM 150

Model	Motor [P2]		VM						
			Dimension[mm]						Net weight [kg]
	HP	kW	DIN flange			D1	D2	D3	
			H1	H2	H3				DIN flange
VM 150-1-1	15.0	11.0	834	505	1339	318	245	350	200.0
VM 150-1	20.0	15.0	834	510	1344	318	245	350	210.1
VM 150-2-1	30.0	22.0	990	580	1570	358	265	350	287.8
VM 150-3-2	40.0	30.0	1145	660	1805	420	295	400	362.3
VM 150-3	50.0	37.0	1145	660	1805	420	295	400	375.4
VM 150-4-1	60.0	45.0	1305	690	1995	470	325	450	443.4
VM 150-5-2	75.0	55.0	1486	770	2256	510	355	550	568.7
VM 150-6	100.0	75.0	1642	845	2487	580	410	550	741.0

VMI,VMN 150

Model	Motor [P2]		VMI, VMN						
			Dimension[mm]						Net weight [kg]
	HP	kW	DIN flange			D1	D2	D3	
			H1	H2	H3				DIN flange
VMI, VMN 150-1-1	15.0	11.0	837	505	1342	318	245	350	173.4
VMI, VMN 150-1	20.0	15.0	837	510	1347	318	245	350	183.5
VMI, VMN 150-2-1	30.0	22.0	993	580	1573	358	265	350	271.6
VMI, VMN 150-3-2	40.0	30.0	1148	660	1808	420	295	400	346.2
VMI, VMN 150-3	50.0	37.0	1148	660	1808	420	295	400	359.2
VMI, VMN 150-4-1	60.0	45.0	1308	690	1998	470	325	450	427.4
VMI, VMN 150-5-2	75.0	55.0	1489	770	2259	510	355	550	552.8
VMI, VMN 150-6	100.0	75.0	1645	845	2490	580	410	550	725.5

Note

Grampus® PUMPS

- Horizontal Multistage Centrifugal Pump
- Vertical Multistage Centrifugal Pump
- Vertical Immersion Centrifugal Pump
- Wastewater Submersible Pump
- Deep Well Submersible Pump

Grampus® PUMPS

Authorized Distributor

1. Product supported by continuously research and improvement. We reserve the right to modify the specifications, capabilities and accessories of all products.
2. Please inform the detailed type, application, phase, power, caliber, voltage and head before order. It is easy to obtain a suitable model.
3. All the capabilities and specifications are subject to the products. If the voltage and frequency is specific standard, please customize in advance.