



**PUMTECH**

立式多段離心泵浦

MSTV系列

Multistage Turbine Vertical Pumps

60Hz



PUMTECH® 銘昇泵浦

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# 立式多段離心泵浦

## Multistage Turbine Vertical Pumps



MSTV系列為非自吸式立式多段離心泵。泵浦進出口在同一水平線上，不占空間，安裝簡便。泵浦配置全密閉型、IEC 標準馬達，F級絕緣，防護等級有 IP55、IP54及 IP44。全系列配有卡匣式機械軸封，方便維護，延長作業壽命。

MSTV泵浦有不同的規格和多種級數以滿足各界流量與壓力需求。

MSTV series pumps are non-self-priming vertical multistage pump with in-line designed which couple with equally sized suction and discharge ports, which designed allow the

pump structure and piping to compact closely. Pump stub shaft and motor shaft of the IEC-standards motor are directly coupled, and with F class insulation and protection rating as IP55, IP54 and IP44 motor. All pumps are equipped with a cartridge type mechanical seal for easy maintenance. MSTV series have different pump sizes and various numbers of stages to provide the required performance.

### 應用Applications

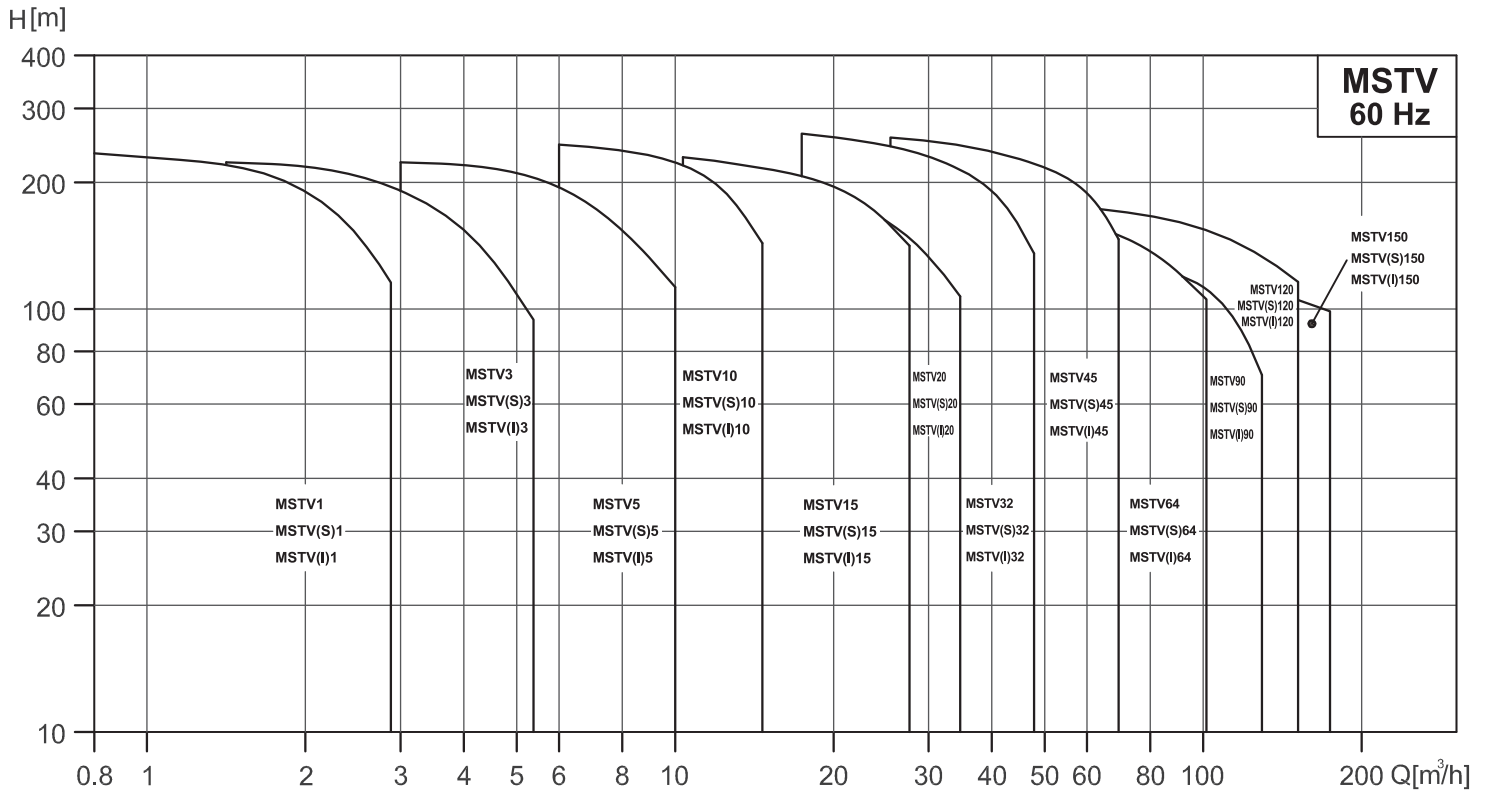
- **供水系統：**水廠過濾與輸送、水管增壓、高樓建築增壓、工業給水增壓。  
WATER SUPPLY: Filter and transportation in factory, enhance hydraulic of building and industrial water supply.
- **增壓系統：**製成水系統、高壓沖洗系統、消防系統。  
BOOSTING SYSTEM: Washing and cleaning system, firefighting system and water system in process.
- **輸送系統：**冷卻和冷凝系統、鍋爐給水、熱交換器、溫控系統。  
DELIVERY SYSTEM: HVAC, boiler, heat exchangers, and air conditioning system.
- **水處理系統：**高壓過濾系統、逆滲透系統、軟化、電解與蒸餾系統。  
WATER TREATMENT: High pressure filtration, reverse osmosis system, water softening, electrolysis and distillation system.
- **灌溉：**溫室、噴灌、滴灌。  
IRRIGATION: Green house, sprinkler irrigation and dripping.

### 輸送液體Pumped Liquid

MSTV系列立式多段高壓泵可輸送不含有顆粒或纖維、非易燃易爆、對泵體材料不具化學腐蝕性之液體。

MSTV series pumps can transport with different kinds of liquids without particles and combustible or explosive, corrosive material.

## Performance range 60 Hz



型號說明	MSTV	—	10	—	5T	—	5	—	32
	產品系列		額定流量		段數		馬力數		口徑
	MSTV		(m <sup>3</sup> /h)		(T)		(HP)		(mm)
	MSTV(S)								
	MSTV(I)								

## 泵浦銘牌信息

 <b>銘昇泵浦</b>					
型式					
日期	20	製造號碼			
馬力	HP	相數	∅	電壓	V
轉數	rpm	頻率	Hz	電流	A
口徑	mm	揚程	M	流量	L/min
銘昇電機股份有限公司 TEL:04-872 4933					

1. 泵浦型號
2. 日期
3. 製造號碼
4. 極數-馬力
5. 馬達轉數
6. 口徑
7. 相數
8. 頻率
9. 額定揚程
10. 電壓
11. 電流
12. 額定流量



## 產品資料 Product data

Range	MSTV,MSTV(S),MSTV(I)					
	1	3	5	10	15	20
<b>60Hz</b>						
標準流量 Nominal flow [m <sup>3</sup> /h]	1.2	3.6	6	12	18	24
流量範圍 Flow range [m <sup>3</sup> /h]	0.8-2.9	1.5-5.4	3-10	6-15.5	10.5-28	12.5-35
最大壓力 Max. pressure [bar]	23.5	23.3	23	24.5	23.5	20.5
溫度範圍 Fluid temperature [°C]	-15 to +120					
馬達功率 Motor power [kW]	0.37-3.0	0.37-4.0	0.55-7.5	0.75-11	1.5-18.5	2.2-18.5
<b>規格 Version</b>						
MSTV: 鑄鐵和不銹鋼 Cast iron and stainless steel EN 1.4301/AISI 304	●	●	●	●	●	●
MSTV(S): 不銹鋼 Stainless steel EN 1.4301/AISI 304	●	●	●	●	●	●
MSTV(I): 不銹鋼 Stainless steel EN 1.4401/AISI 316	●	●	●	●	●	●
<b>馬達 Motor</b>						
Mains connection 3~ [V/Hz] 供電電壓 (Permissible voltage tolerance ± 10%) 波動範圍±10%	0.37-1.1 kW 220-255/380-440 V 60 Hz 1.5-7.5 kW 220-277/380-480 V 60 Hz From 11 kW 220/380/440 V 60 Hz					
絕緣等級 Insulation class	F					
防護等級 Enclosure class	IP 55					
環境溫度 Ambient temperature	50°C					
<b>MSTV 管路接口 Pipe Connection</b>						
法蘭 Flange	DN 25/ DN 32	DN 25/ DN 32	DN 25/ DN 32	DN 40	DN 50	DN 50
<b>MSTV(S) 管路接口 Pipe Connection</b>						
法蘭 Flange	DN 25/ DN 32	DN 25/ DN 32	DN 25/ DN 32	DN 40	DN 50	DN 50
卡箍 Victaulic-connections	R 1 <sup>1</sup> / <sub>4</sub> DN 32	R 1 <sup>1</sup> / <sub>4</sub> DN 32	R 1 <sup>1</sup> / <sub>4</sub> DN 32	R 2 DN50	R 2 DN50	R 2 DN50
<b>機械軸封 Mechanical Seals</b>						
SiC/SiC	Standard					
<b>密封 Seals</b>						
EPDM	Standard					
Viton						

法蘭標準：請參閱泵浦圖紙尺寸 \* Flange standards : Refer to dimensional drawings

## 產品資料 Product data

Range	MSTV, MSTV(S), MSTV(I)					
	32	45	64	90	120	150
<b>60Hz</b>						
標準流量 Nominal flow [m <sup>3</sup> /h]	38	54	77	108	140	180
流量範圍 Flow range [m <sup>3</sup> /h]	18-48	26-70	36-102	54-146	60-160	75-180
最大壓力 Max. pressure [bar]	27	26	17.8	15.9	18.5	15.3
溫度範圍 Fluid temperature [°C]	-15 to +120					
馬達功率 Motor power [kW]	2.2-30	5.5-45	7.5-45	11-45	18.5-75	18.5-75
<b>規格 Version</b>						
MSTV: 鑄鐵和不銹鋼 Cast iron and stainless steel EN 1.4301/AISI 304	●	●	●	●	●	●
MSTV(S): 不銹鋼 Stainless steel EN 1.4301/AISI 304	●	●	●	●	●	●
MSTV(I): 不銹鋼 Stainless steel EN 1.4401/AISI 316	●	●	●	●	●	●
<b>馬達 Motor</b>						
Mains connection 3~ [V/Hz] 供電電壓 (Permissible voltage tolerance ± 10%) 波動範圍±10%	0.37-1.1 kW 220-255/380-440 V 60 Hz 1.5-7.5 kW 220-277/380-480 V 60 Hz From 11 kW 220/380/440 V 60 Hz					
絕緣等級 Insulation class	F					
防護等級 Enclosure class	IP 55					
環境溫度 Ambient temperature	50°C					
<b>MSTV 管路接口 Pipe Connection</b>						
法蘭 Flange	DN 65	DN80	DN100	DN100	DN125	DN125
<b>MSTV(S) 管路接口 Pipe Connection</b>						
法蘭 Flange	DN 65	DN80	DN100	DN100	DN125	DN125
卡箍 Victaulic-connections	N/A	N/A	N/A	N/A	N/A	N/A
<b>機械軸封 Mechanical Seals</b>						
SiC/SiC	Standard					
<b>密封 Seals</b>						
EPDM	Standard					
Viton						

法蘭標準：請參閱泵浦圖紙尺寸 \* Flange standards : Refer to dimensional drawings

## 馬達規格 Motor Data

馬達 Motor Type				額定電流 Nominal current in [A]					
HP	kW	Pole	Flange	Frame	3-220V	3-255V	3-380V	3-440V	
0.5	0.37	2	B14	71A	1.7	1.7	1.0	1.0	
0.75	0.55			71B	2.4	2.4	1.4	1.4	
1.0	0.75			80A	3.1	3.1	1.8	1.8	
1.5	1.1			80B	4.5	4.2	2.6	2.4	
						3-220V	3-277V	3-380V	3-480V
2.0	1.5			90S	5.7	5.4	3.3	3.1	
3.0	2.2			90L	8.7	9.7	5.0	5.6	
4.0	3.0			100L	11.2	10.5	6.5	6.1	
5.5	4.0			112M	14.2	13.0	8.2	7.5	
7.5	5.5			B5	132S	18.5	15.8	10.7	9.1
10	7.5		132S		24.7	21.6	14.3	12.5	
15	11		160L		37.6	32.5	21.7	18.8	
20	15		160L		52.1	51.4	30.1	29.7	
					3-380V	3-480V	3-660V	3-830V	
4.0	3.0		B14	100L	6.5	6.1	3.8	3.5	
5.5	4.0			112M	8.4	7.2	4.8	4.2	
7.5	5.5		B5	132S	10.7	9.4	6.2	5.4	
10	7.5			132S	14.4	12.8	8.3	7.4	
15	11			160L	22.8	25.0	13.2	14.4	
20	15			160L	29.8	28.1	17.2	16.2	
					3-220V	3-380V	3-660V		
15	11	160M			36.0	20.8	12.0		
20	15	160M			49.0	28.4	16.3		
25	18.5	160L			59.9	34.7	20.0		
30	22	180M			71.3	41.3	23.8		
40	30	200L			96.5	55.8	32.2		
50	37	200L		118.1	68.4	39.4			
60	45	225M		142.7	82.6	47.6			
75	55	250M		174.4	101.0	58.1			
100	75	280S		236.3	136.8	78.8			

### Mechanical Seal

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.

### 機械軸封

標準的卡匣式軸封由碳化硅/碳化硅/EPDM或氟橡膠組成。根據不同的應用選擇適用的軸封和橡膠。不同材質的卡匣式機械軸封可快速更換，不需要特殊的工具或拆解泵浦。



### List of Materials 材質列表

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

### Type of Seal 軸封型式

Seal Type	MSTV/MSTV(S/I)		
	1/3/5/10/15/20 /32/45/64/90	120/150	
		0.5-60HP	75-100HP
Mechanical Seals			
S:O-ring seal Cartridge type	●	●	
B:Rubber bellows seal Cartridge type			●
QQ	●	●	●
UU	Optional	Optional	
QB	Optional	Optional	
UB	Optional	Optional	
Seals			
E	●	●	●
V	Optional	Optional	Optional

## 最大運行壓力和入口壓力

### Maximum operating and inlet pressures

60Hz

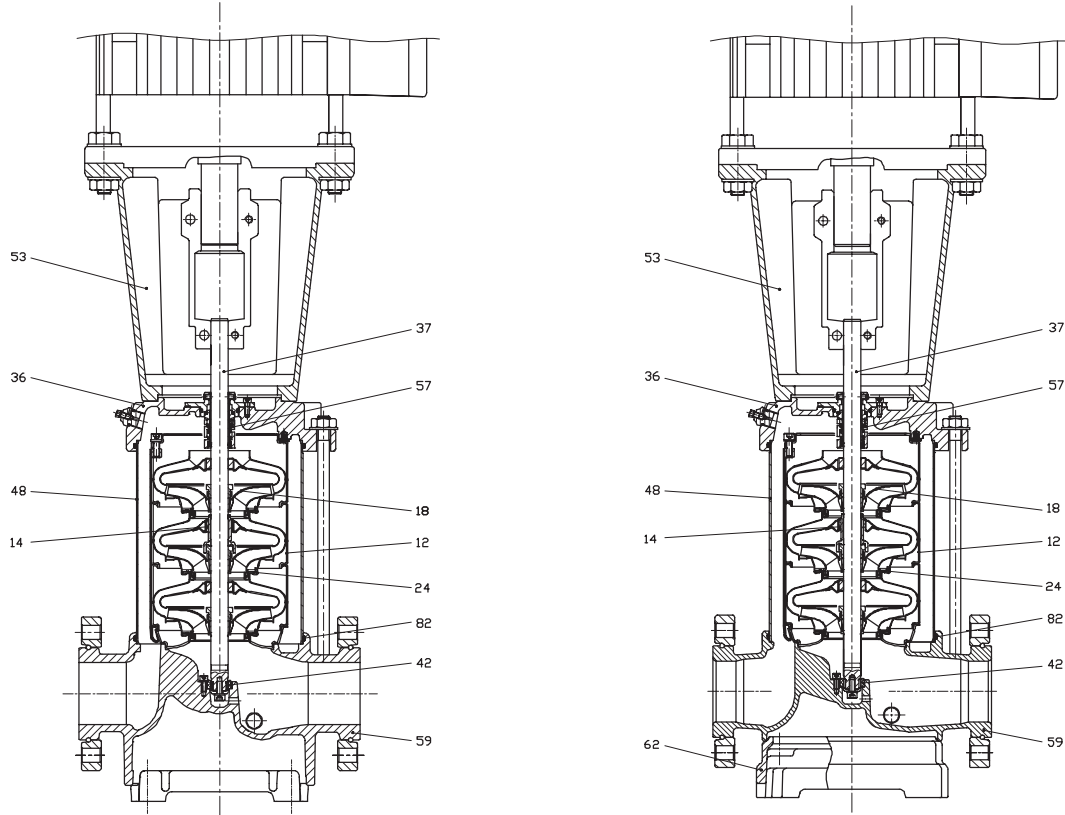
Stages	Maximum Operating Pressure	Stages	Maximum Inlet Pressures
<b>MSTV,MSTV(S/I) 1</b>			
2-27	25bar	2-25	10bar
		27	15bar
<b>MSTV,MSTV(S/I) 3</b>			
2-25	25bar	2-15	10bar
		17-25	15bar
<b>MSTV,MSTV(S/I) 5</b>			
2-24	25bar	2-9	10bar
		10-24	15bar
<b>MSTV,MSTV(S/I) 10</b>			
1-10	16bar	1-5	8bar
12-17	25bar	6-17	10bar
<b>MSTV,MSTV(S/I) 15</b>			
1-8	16bar	1-2	8bar
9-12	25bar	3-12	10bar
<b>MSTV,MSTV(S/I) 20</b>			
1-7	16bar	1	8bar
8-10	25bar	2-10	10bar
<b>MSTV,MSTV(S/I) 32</b>			
(1-1)-5	16bar	(1-1)-(2)	4bar
(6-2)-(10-2)	30bar	(3-2)-(6)	10bar
	30bar	(7-2)-(10-2)	15bar
<b>MSTV,MSTV(S/I) 45</b>			
(1-1)-4	16bar	(1-1)-1	4bar
(5-2)-7	30bar	(2-2)-3	10bar
		(4-2)-7	15bar
<b>MSTV,MSTV(S/I) 64</b>			
(1-1)-3	16bar	(1-1)	4bar
(4-2)-(5-2)	30bar	1-(2-1)	10bar
		2-(5-2)	15bar
<b>MSTV,MSTV(S/I) 90</b>			
(1-1)-3	16 bar	(1-1) - (2-2)	10bar
(4-2)	30 bar	(2-1) - (4-2)	15bar
<b>MSTV,MSTV(S/I) 120</b>			
1-(5-2)	30 bar	1	10bar
		(2-2)-(3-1)	15bar
		3-(5-2)	20bar
<b>MSTV,MSTV(S/I) 150</b>			
(1-1)-(4-2)	30 bar	(1-1)	10bar
		1-2	15bar
		(3-2)-(4-2)	20bar

\* 入口壓力+泵浦的閉閥壓力<最大運行壓力

\* Rule to follow : The inlet pressure+ the pressure against a closed valve < Max. Operating pressure.

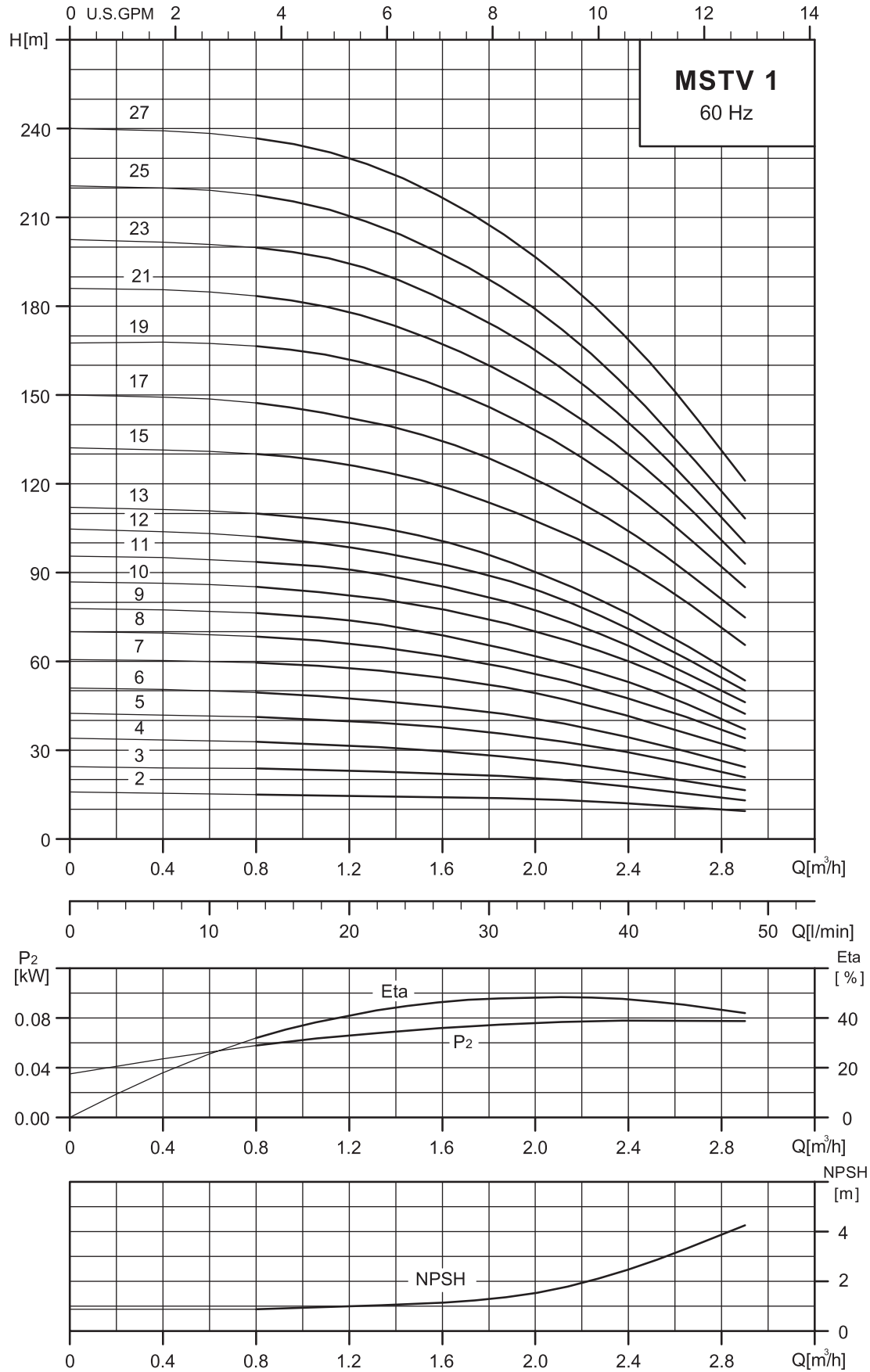


### 結構 Construction

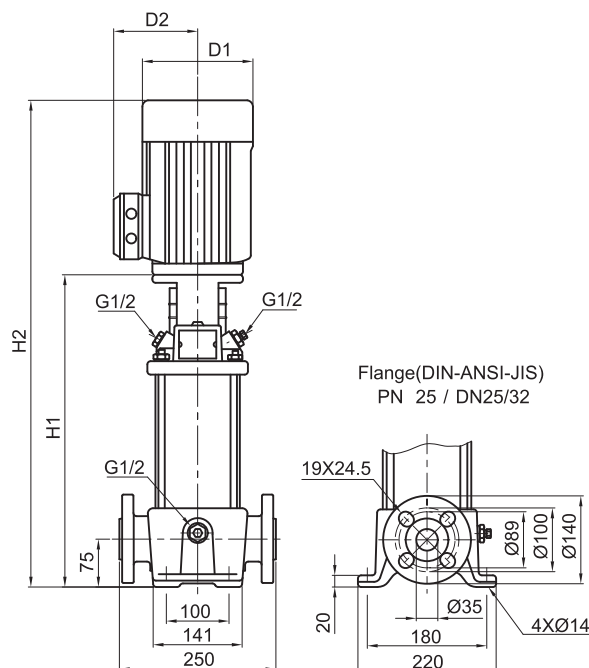


Pos.	名稱 Name	材質 Material	MSTV		MSTV(S)		MSTV(I)	
			標準 Standard		標準 Standard		標準 Standard	
			Europe	USA	Europe	USA	Europe	USA
36	泵頭 Pump head	鑄鐵 Cast Iron	EN-GJL-250	ASTM 35B				
		不銹鋼 Stainless steel			1.4301	AISI 304	1.4401	AISI 316
53	馬達支架 Motor Bracket	鑄鐵 Cast Iron	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B
18	葉輪 Impeller	不銹鋼 Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
37	軸 Shaft	不銹鋼 Stainless steel	1.4057	AISI 431	1.4057	AISI 431	1.4401	AISI 316
48	外筒 Outer Sleeve	不銹鋼 Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
82	外筒O型環 O-ring for outer Sleeve	EPDM						
12	腔體 Chamber	不銹鋼 Stainless steel	1.4301	AISI 304	1.4301	AISI 304	1.4401	AISI 316
24	頸環 Neck ring	Carbon Fiber + POB + PTFE						
59	基座 Base	鑄鐵 Cast Iron	EN-GJL-250	ASTM 35B	N/A			
	基座 Base	不銹鋼 Stainless steel	N/A		1.4301	AISI 304	1.4401	AISI 316
62	基板 Base plate	鑄鐵 Cast Iron	N/A		EN-GJL-250	ASTM 35B	EN-GJL-250	ASTM 35B
57	機械軸封 Mechanical seal	卡匣式 Cartridge type						
14	軸承環 Bearing ring		Bronze				POB+Graphite+PTFE	
42	底部軸承環 Bottom bearing ring	碳化鎢/碳化鎢 Tungsten carbide/ Tungsten carbide						

## MSTV, MSTV(S/I) 1

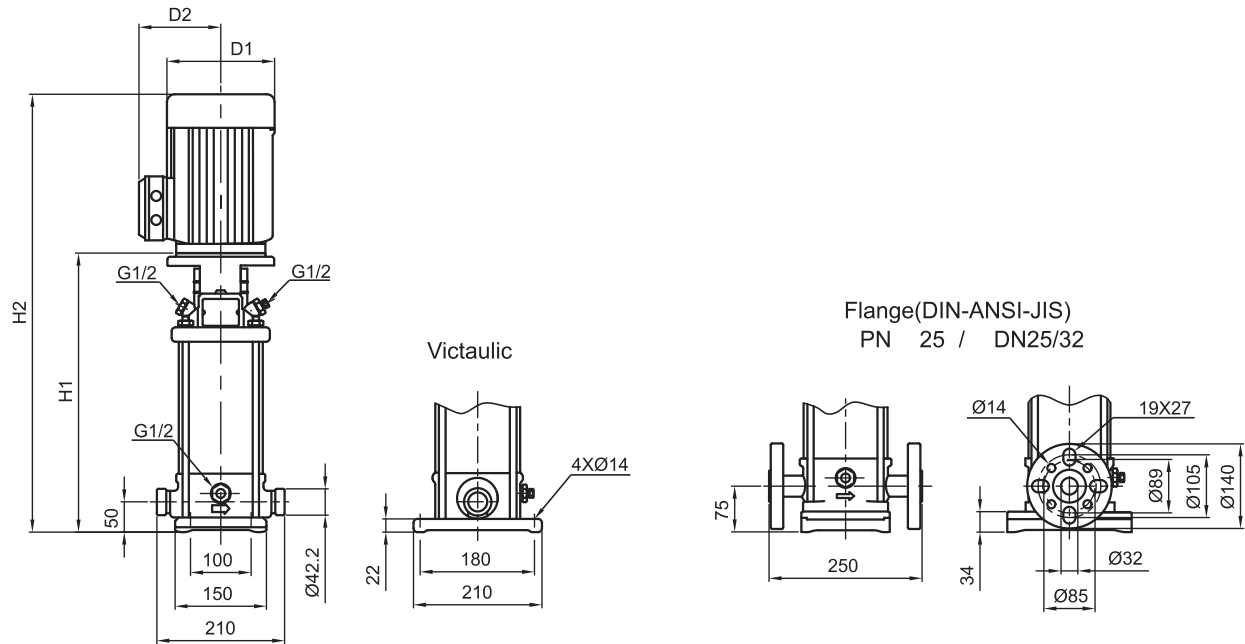


## Dimensions and weights – MSTV 1



Pump type	Motor	MSTV				
		Dimension[mm]				Net weight [kg]
	P <sub>2</sub> [kW]	DIN flange		D1	D2	
		H1	H2			
MSTV 1-2	0.37	279	474	141	115	23.4
MSTV 1-3	0.37	279	474	141	115	23.4
MSTV 1-4	0.37	297	492	141	115	23.8
MSTV 1-5	0.55	315	510	141	115	24.7
MSTV 1-6	0.55	333	528	141	115	25.0
MSTV 1-7	0.75	357	592	141	115	27.5
MSTV 1-8	0.75	375	610	141	115	27.9
MSTV 1-9	0.75	393	628	141	115	28.3
MSTV 1-10	1.1	411	646	141	115	29.8
MSTV 1-11	1.1	429	664	141	115	30.2
MSTV 1-12	1.1	447	682	141	115	30.5
MSTV 1-13	1.1	465	700	141	115	30.9
MSTV 1-15	1.5	517	808	177	141	40.3
MSTV 1-17	1.5	553	844	177	141	41.0
MSTV 1-19	2.2	589	880	177	141	44.6
MSTV 1-21	2.2	625	916	177	141	45.3
MSTV 1-23	2.2	661	952	177	141	46.1
MSTV 1-25	2.2	697	988	177	141	46.8
MSTV 1-27	3	737	1053	197	147	55.1

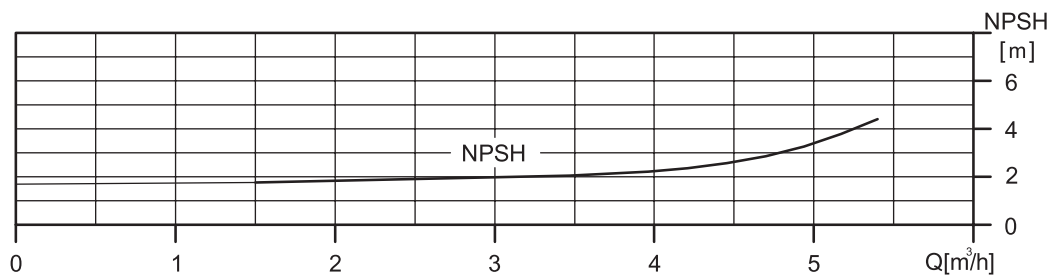
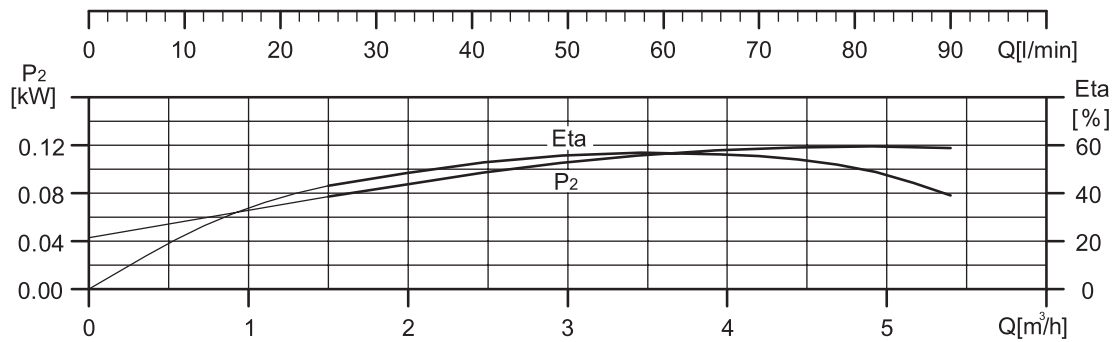
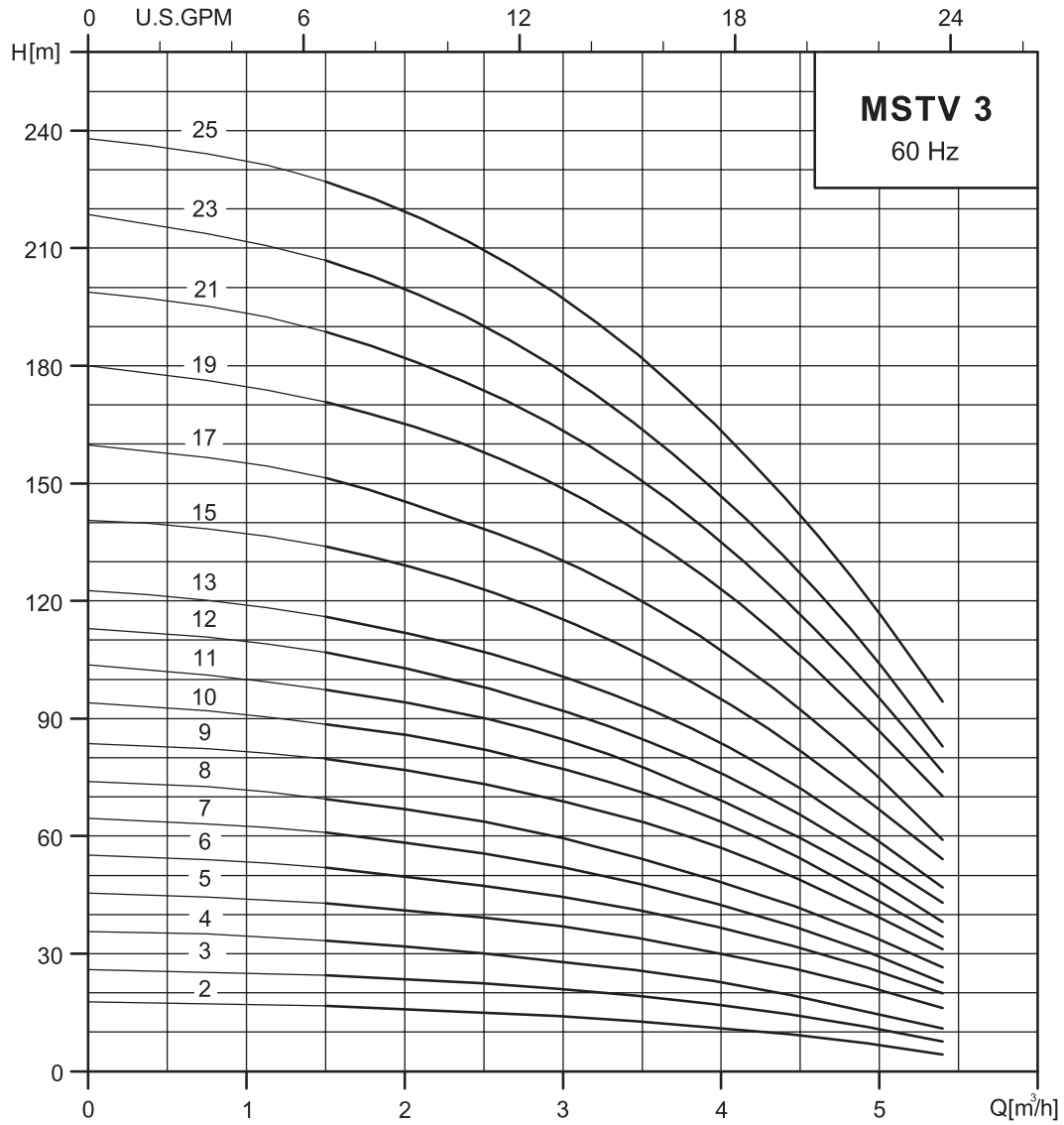
## Dimensions and weights – MSTV(S/I) 1



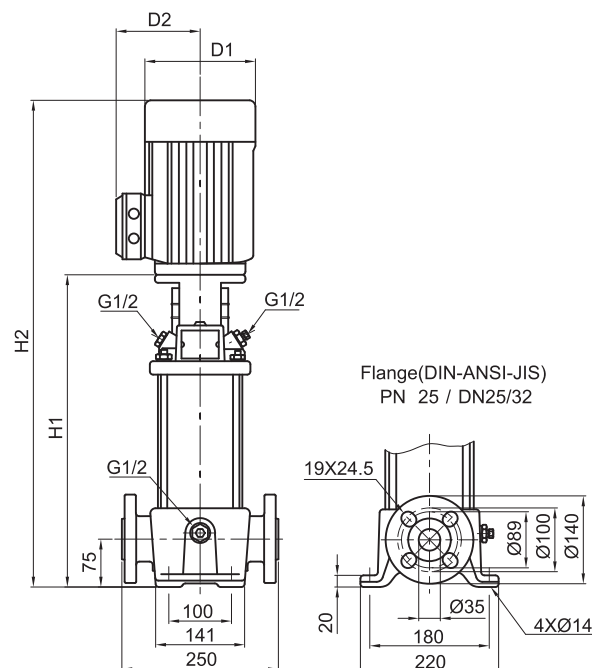
Pump type	Motor P <sub>2</sub> [kW]	MSTV(S/I)							
		Dimension [mm]						Net weight [kg]	
		Victaulic		DIN flange		D1	D2	Victaulic	DIN flange
H1	H2	H1	H2						
MSTV(S/I) 1-2	0.37	257	452	282	477	141	115	19.3	20.2
MSTV(S/I) 1-3	0.37	257	452	282	477	141	115	19.3	20.3
MSTV(S/I) 1-4	0.37	275	470	300	495	141	115	19.7	20.6
MSTV(S/I) 1-5	0.55	293	488	318	513	141	115	20.6	21.5
MSTV(S/I) 1-6	0.55	311	506	336	531	141	115	20.9	21.9
MSTV(S/I) 1-7	0.75	335	570	360	595	141	115	23.3	24.2
MSTV(S/I) 1-8	0.75	353	588	378	613	141	115	23.7	24.6
MSTV(S/I) 1-9	0.75	371	606	396	631	141	115	24.0	25.0
MSTV(S/I) 1-10	1.1	389	624	414	649	141	115	25.5	26.5
MSTV(S/I) 1-11	1.1	407	642	432	667	141	115	25.9	26.9
MSTV(S/I) 1-12	1.1	425	660	450	685	141	115	26.3	27.2
MSTV(S/I) 1-13	1.1	443	678	468	703	141	115	26.7	27.6
MSTV(S/I) 1-15	1.5	495	786	520	811	177	141	36.1	37.1
MSTV(S/I) 1-17	1.5	531	822	556	847	177	141	36.9	37.8
MSTV(S/I) 1-19	2.2	567	858	592	883	177	141	40.4	41.3
MSTV(S/I) 1-21	2.2	603	894	628	919	177	141	41.2	42.1
MSTV(S/I) 1-23	2.2	639	930	664	955	177	141	41.9	42.9
MSTV(S/I) 1-25	2.2	675	966	700	991	177	141	42.6	43.6
MSTV(S/I) 1-27	3	716	1032	741	1057	197	147	50.5	51.5



## MSTV, MSTV(S/I) 3

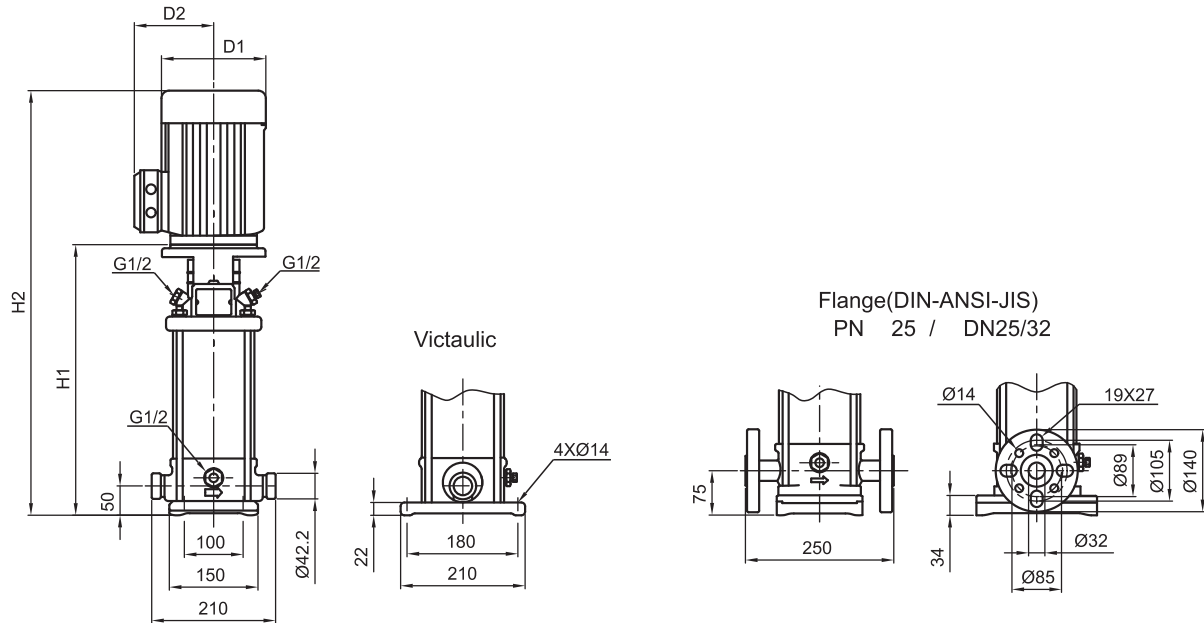


## Dimensions and weights – MSTV 3



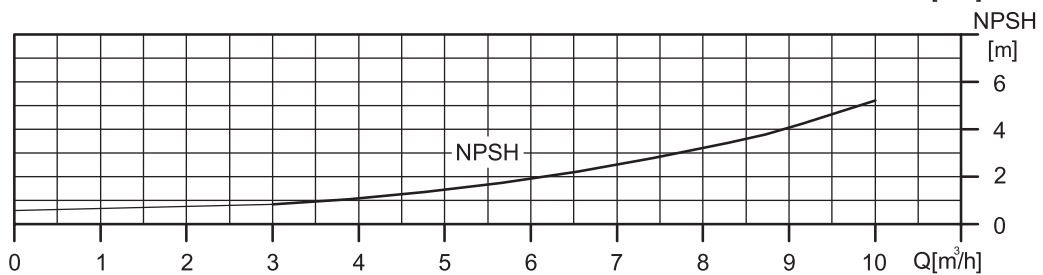
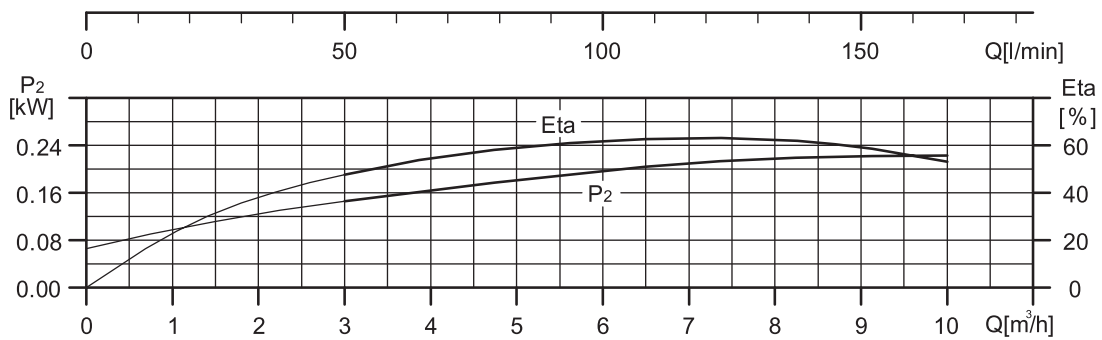
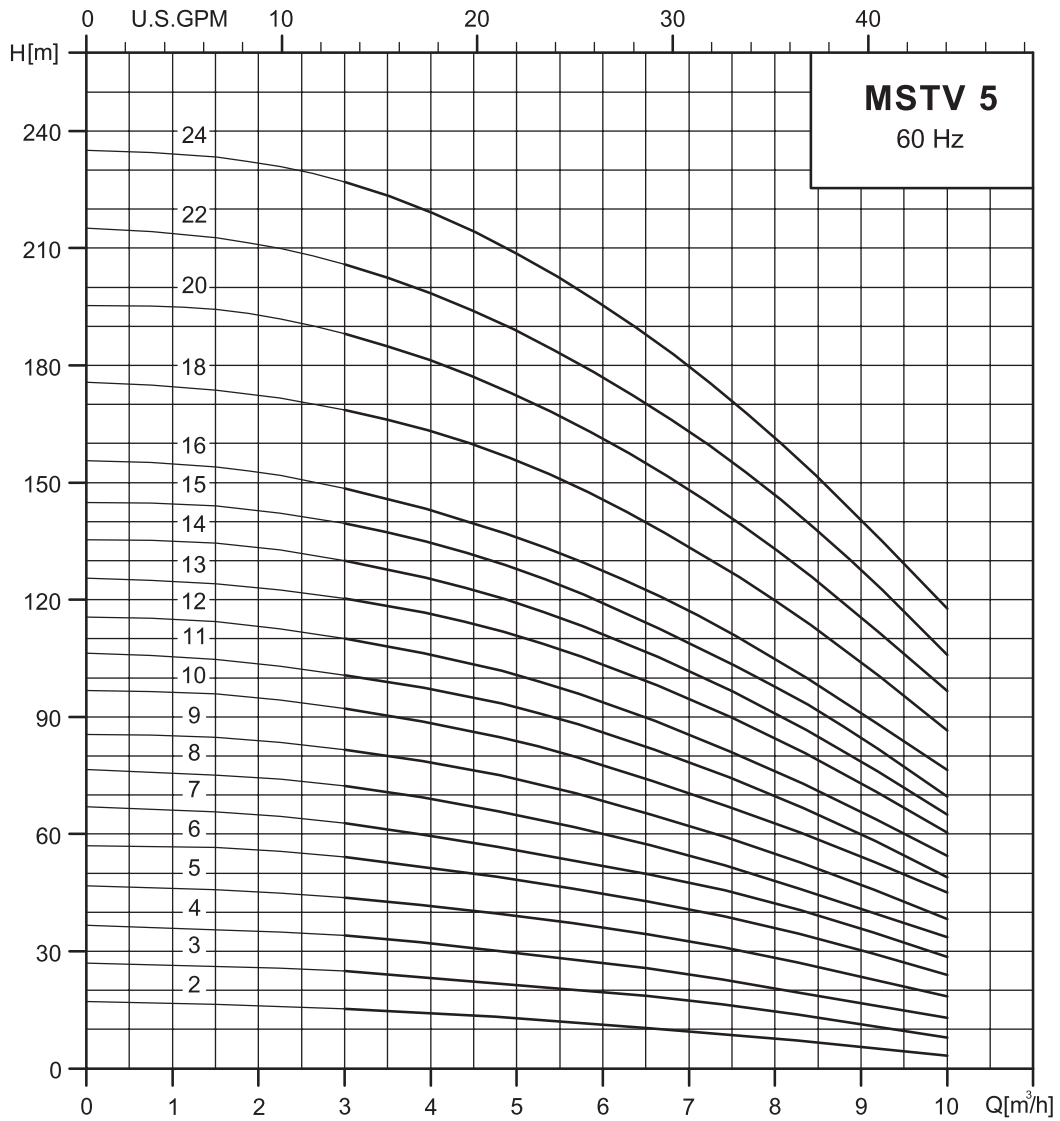
Pump type	Motor	MSTV				
		Dimension[mm]				Net weight [kg]
	P <sub>2</sub> [kW]	DIN flange		D1	D2	
		H1	H2			
MSTV 3-2	0.37	279	474	141	115	23.4
MSTV 3-3	0.55	279	474	141	115	23.9
MSTV 3-4	0.55	297	492	141	115	24.3
MSTV 3-5	0.75	321	556	141	115	26.8
MSTV 3-6	1.1	339	574	141	115	28.3
MSTV 3-7	1.1	357	592	141	115	28.7
MSTV 3-8	1.1	375	610	141	115	29.0
MSTV 3-9	1.5	409	700	177	141	38.1
MSTV 3-10	1.5	427	718	177	141	38.5
MSTV 3-11	1.5	445	736	177	141	38.9
MSTV 3-12	2.2	463	754	177	141	42.0
MSTV 3-13	2.2	481	772	177	141	42.4
MSTV 3-15	2.2	517	808	177	141	43.1
MSTV 3-17	2.2	553	844	177	141	43.8
MSTV 3-19	3	593	909	197	147	52.1
MSTV 3-21	3	629	945	197	147	52.8
MSTV 3-23	3	665	981	197	147	53.6
MSTV 3-25	4	701	1027	220	161	57.7

## Dimensions and weights – MSTV(S/I) 3



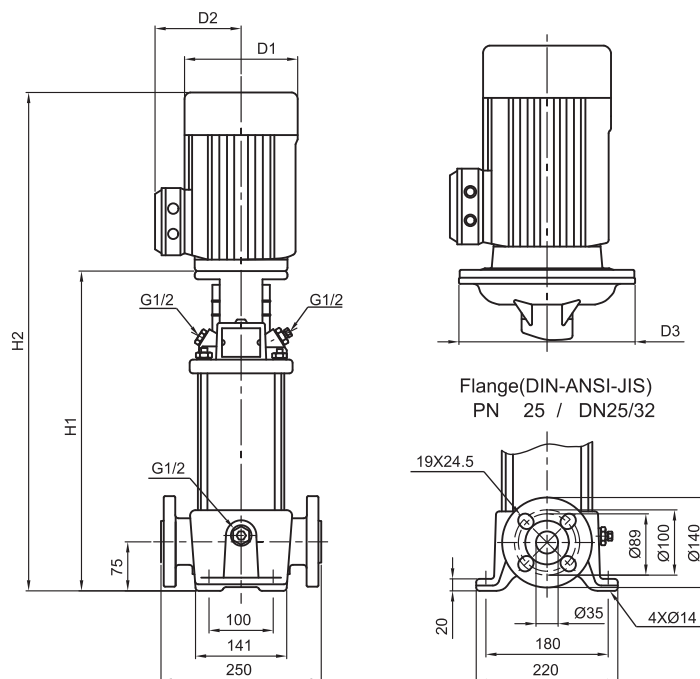
Pump type	Motor	MSTV(S/I)							
		Dimension [mm]						Net weight [kg]	
	P <sub>2</sub> [kW]	Victaulic		DIN flange		D1	D2	Victaulic	DIN flange
		H1	H2	H1	H2				
MSTV(S/I) 3-2	0.37	257	452	282	477	141	115	19.3	20.2
MSTV(S/I) 3-3	0.55	257	452	282	477	141	115	19.8	20.8
MSTV(S/I) 3-4	0.55	275	470	300	495	141	115	20.2	21.1
MSTV(S/I) 3-5	0.75	299	534	324	559	141	115	22.6	23.5
MSTV(S/I) 3-6	1.1	317	552	342	577	141	115	24.1	25.0
MSTV(S/I) 3-7	1.1	335	570	360	595	141	115	24.4	25.4
MSTV(S/I) 3-8	1.1	353	588	378	613	141	115	24.8	25.7
MSTV(S/I) 3-9	1.5	387	678	412	703	177	141	33.9	34.9
MSTV(S/I) 3-10	1.5	405	696	430	721	177	141	34.3	35.2
MSTV(S/I) 3-11	1.5	423	714	448	739	177	141	34.7	35.6
MSTV(S/I) 3-12	2.2	441	732	466	757	177	141	37.9	38.8
MSTV(S/I) 3-13	2.2	459	750	484	775	177	141	38.3	39.2
MSTV(S/I) 3-15	2.2	495	786	520	811	177	141	38.9	39.9
MSTV(S/I) 3-17	2.2	531	822	556	847	177	141	39.7	40.6
MSTV(S/I) 3-19	3	572	888	597	913	197	147	47.6	48.5
MSTV(S/I) 3-21	3	608	924	633	949	197	147	48.3	49.3
MSTV(S/I) 3-23	3	644	960	669	985	197	147	49.1	50.0
MSTV(S/I) 3-25	4	680	1006	705	1031	220	161	53.2	54.1

## MSTV, MSTV(S/I) 5



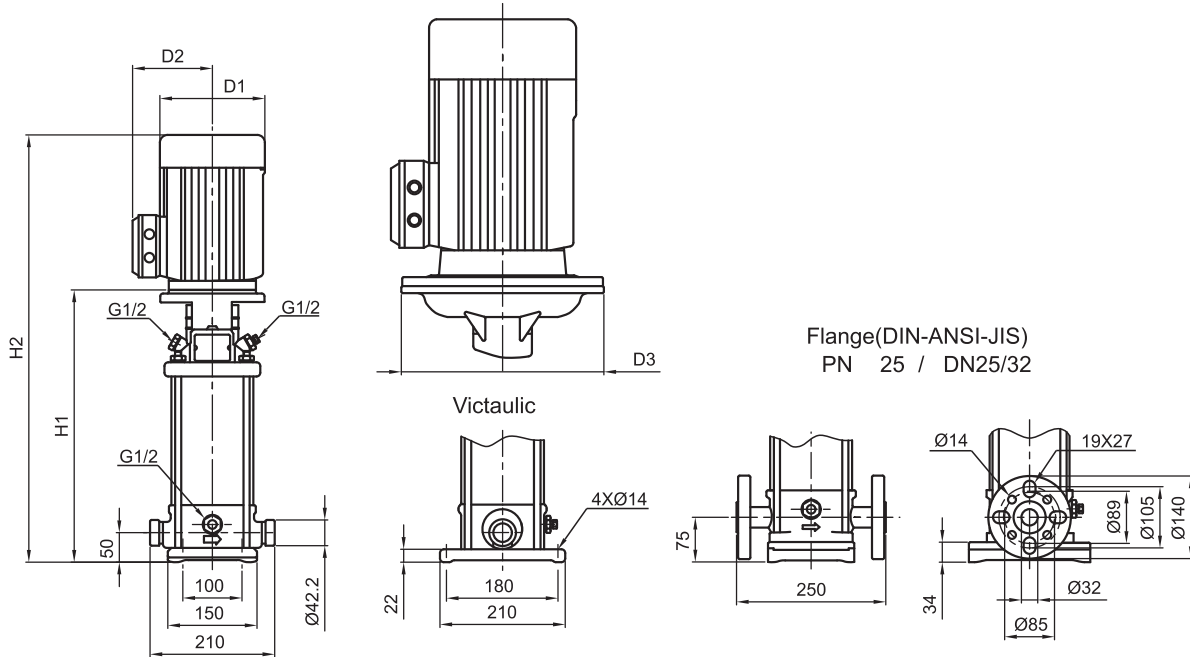


## Dimensions and weights – MSTV 5



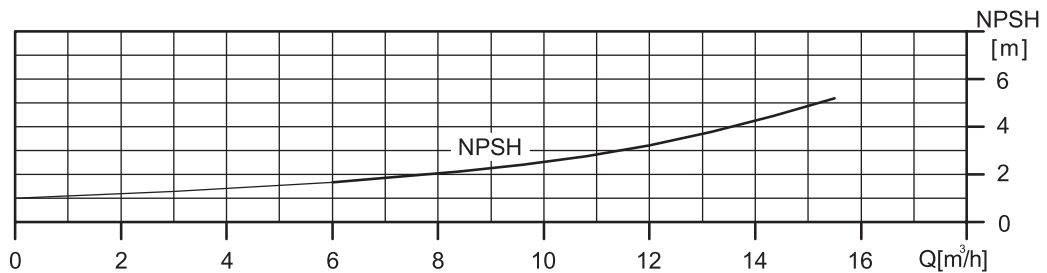
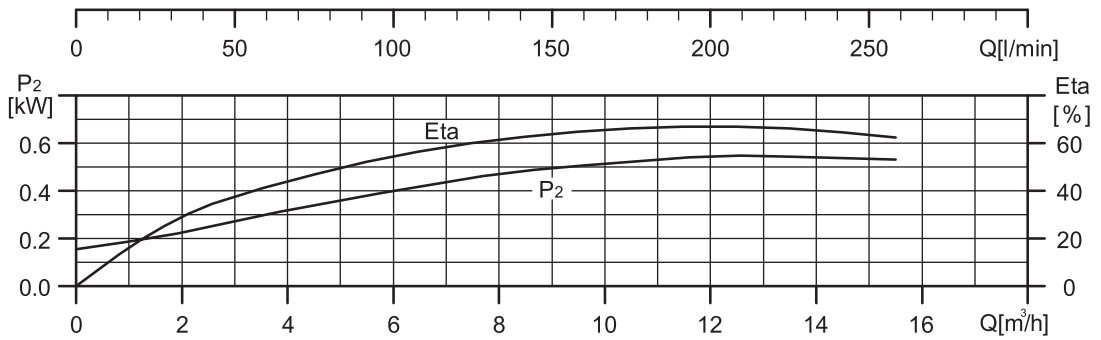
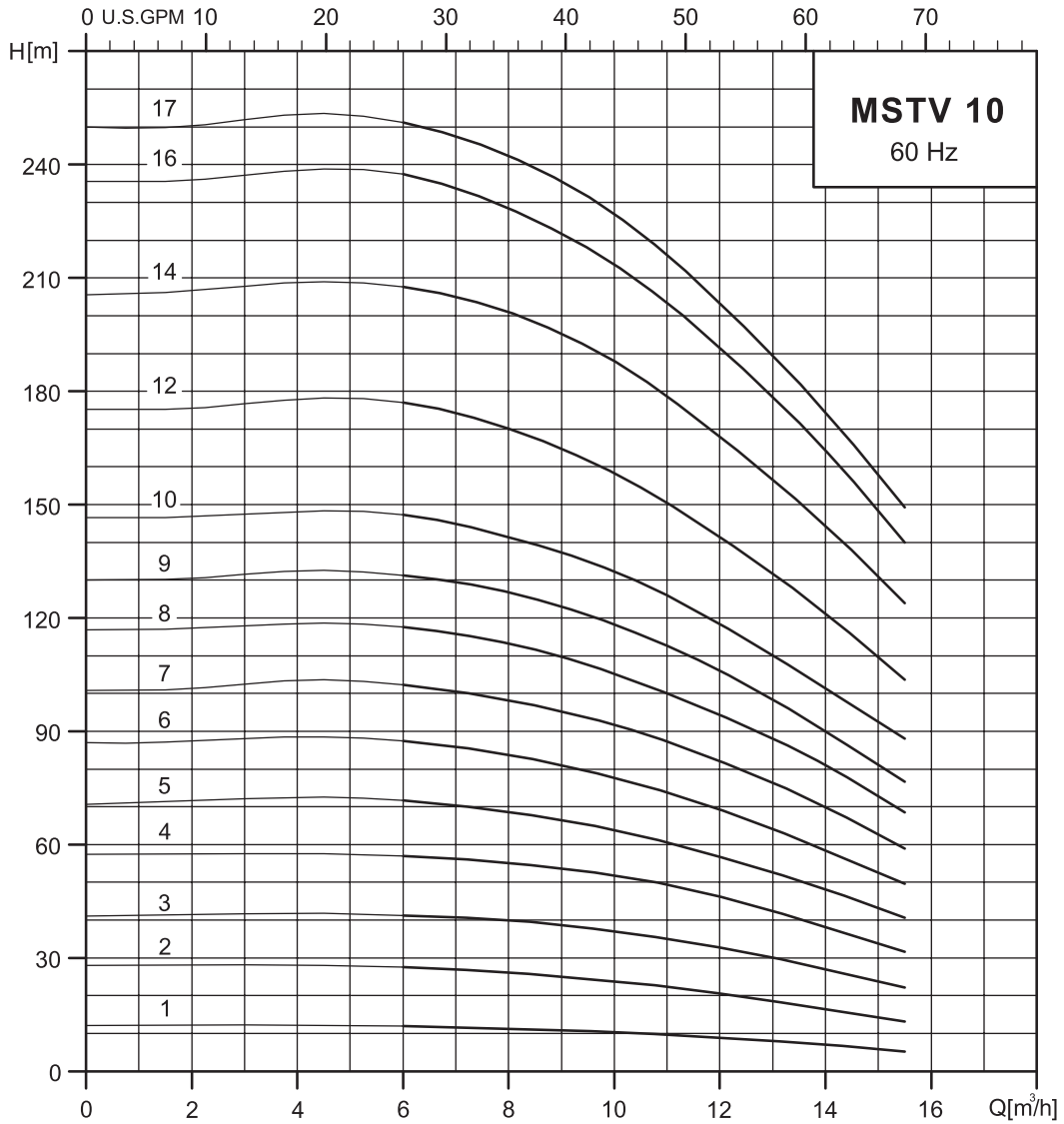
Pump type	Motor	MSTV					
		Dimension[mm]					Net weight [kg]
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	
		H1	H2				
MSTV 5-2	0.55	279	474	141	115	—	23.8
MSTV 5-3	1.1	312	547	141	115	—	27.5
MSTV 5-4	1.1	339	574	141	115	—	28.0
MSTV 5-5	1.5	382	673	177	141	—	37.2
MSTV 5-6	2.2	409	700	177	141	—	40.6
MSTV 5-7	2.2	436	727	177	141	—	41.1
MSTV 5-8	2.2	463	754	177	141	—	41.6
MSTV 5-9	2.2	490	781	177	141	—	42.1
MSTV 5-10	3	521	837	197	147	—	50.2
MSTV 5-11	3	548	864	197	147	—	50.7
MSTV 5-12	3	575	891	197	147	—	51.2
MSTV 5-13	4	602	928	220	161	—	55.1
MSTV 5-14	4	629	955	220	161	—	55.7
MSTV 5-15	4	656	982	220	161	—	56.1
MSTV 5-16	4	683	1009	220	161	—	56.7
MSTV 5-18	5.5	767	1129	235	197	300	77.9
MSTV 5-20	5.5	821	1183	235	197	300	79.1
MSTV 5-22	5.5	875	1237	235	197	300	80.0
MSTV 5-24	7.5	929	1327	235	197	300	89.6

## Dimensions and weights – MSTV(S/I) 5

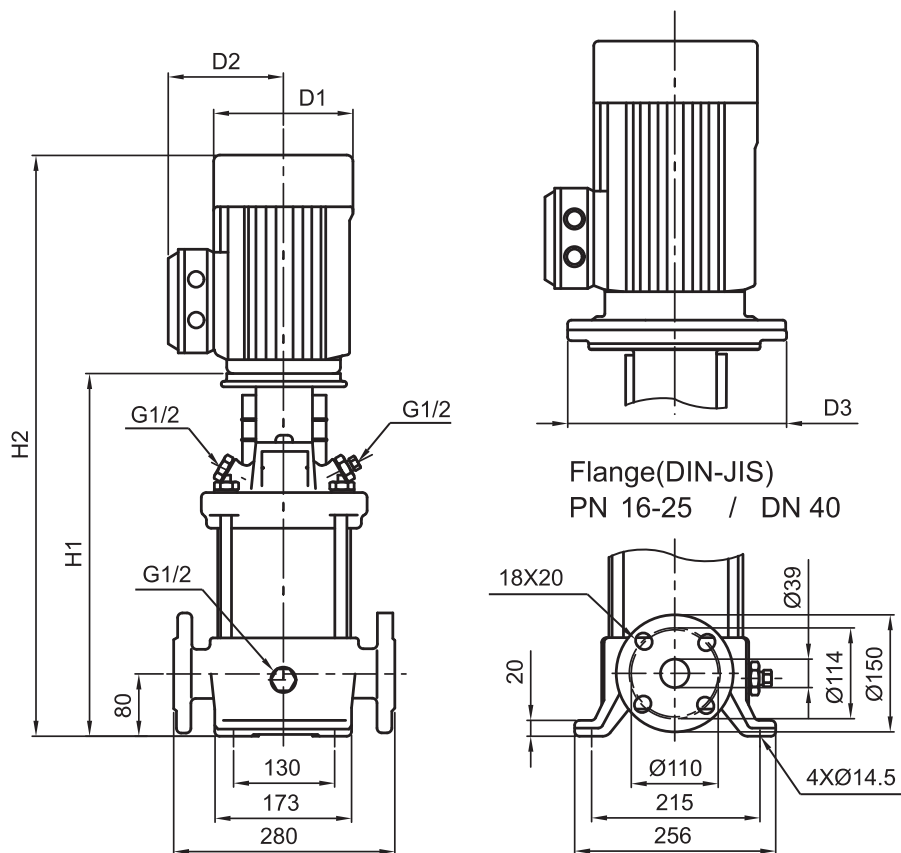


Pump type	Motor	MSTV(S/I)								
		Dimension [mm]							Net weight [kg]	
	P <sub>2</sub> [kW]	Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
		H1	H2	H1	H2					
MSTV(S/I) 5-2	0.55	257	452	282	477	141	115	—	19.7	20.6
MSTV(S/I) 5-3	1.1	290	525	315	550	141	115	—	23.4	24.4
MSTV(S/I) 5-4	1.1	317	552	342	577	141	115	—	24.0	24.9
MSTV(S/I) 5-5	1.5	360	651	385	676	177	141	—	33.3	34.2
MSTV(S/I) 5-6	2.2	387	678	412	703	177	141	—	36.6	37.6
MSTV(S/I) 5-7	2.2	414	705	439	730	177	141	—	37.1	38.1
MSTV(S/I) 5-8	2.2	441	732	466	757	177	141	—	37.7	38.6
MSTV(S/I) 5-9	2.2	468	759	493	784	177	141	—	38.2	39.2
MSTV(S/I) 5-10	3	500	816	525	841	197	147	—	46.0	46.9
MSTV(S/I) 5-11	3	527	843	552	868	197	147	—	46.5	47.4
MSTV(S/I) 5-12	3	554	870	579	895	197	147	—	47.0	48.0
MSTV(S/I) 5-13	4	581	907	606	932	220	161	—	51.0	51.9
MSTV(S/I) 5-14	4	608	934	633	959	220	161	—	51.5	52.5
MSTV(S/I) 5-15	4	635	961	660	986	220	161	—	52.1	53.0
MSTV(S/I) 5-16	4	662	988	687	1013	220	161	—	52.6	53.6
MSTV(S/I) 3-18	5.5	745	1107	770	1132	235	197	300	73.8	74.8
MSTV(S/I) 3-20	5.5	799	1161	824	1186	235	197	300	75.1	76.0
MSTV(S/I) 3-22	5.5	853	1215	878	1240	235	197	300	75.9	76.9
MSTV(S/I) 3-24	7.5	907	1305	932	1330	235	197	300	85.6	86.5

## MSTV, MSTV(S/I) 10



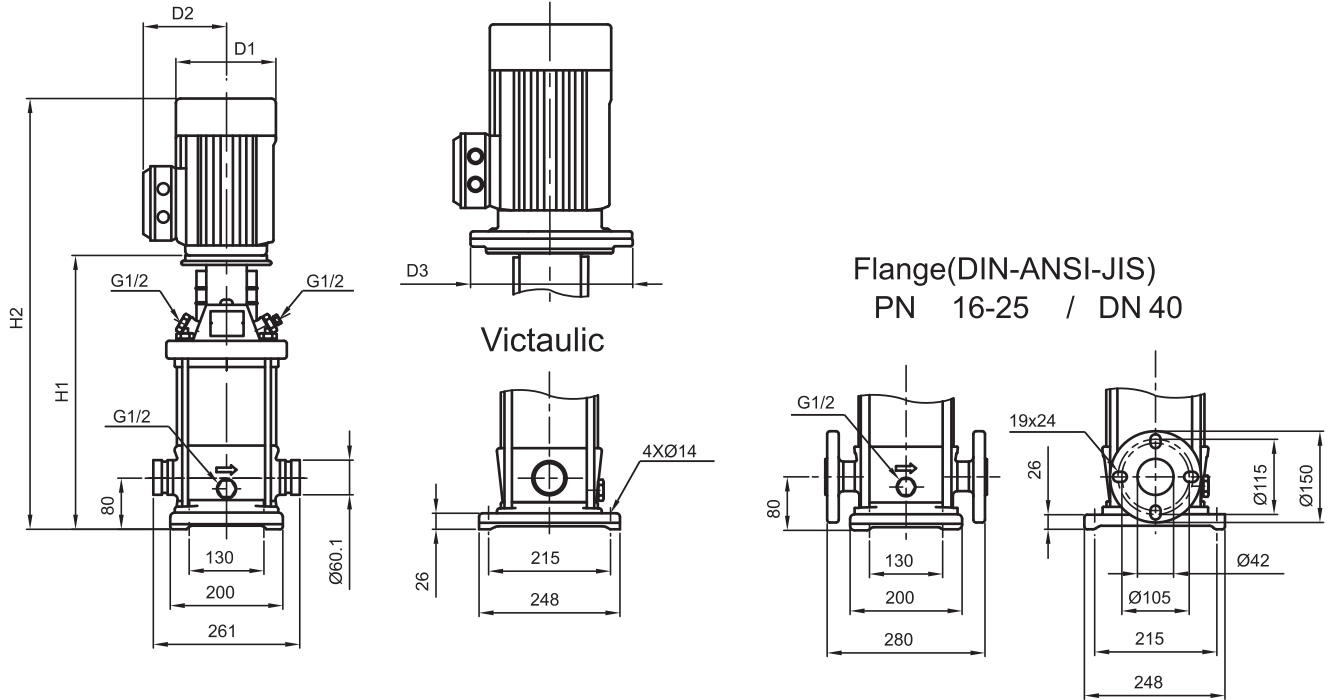
## Dimensions and weights – MSTV 10



Pump type	Motor	MSTV					Net weight [kg]
		Dimension[mm]					
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	DIN flange
		H1	H2				
MSTV 10-1	0.75	347	582	141	115	—	38.0
MSTV 10-2	1.5	363	654	177	141	—	48.0
MSTV 10-3	2.2	393	684	177	141	—	51.9
MSTV 10-4	3	428	744	197	147	—	60.7
MSTV 10-5	3	458	774	197	147	—	61.7
MSTV 10-6	4	488	814	220	161	—	66.2
MSTV 10-7	5.5	550	912	235	197	300	93.4
MSTV 10-8	5.5	580	942	235	197	300	94.5
MSTV 10-9	5.5	610	972	235	197	300	95.5
MSTV 10-10	7.5	640	1038	235	197	300	105.2
MSTV 10-12	7.5	700	1098	235	197	300	107.2
MSTV 10-14	11	837	1342	318	245	350	146.0
MSTV 10-16	11	897	1402	318	245	350	148.1
MSTV 10-17	11	927	1432	318	245	350	149.2

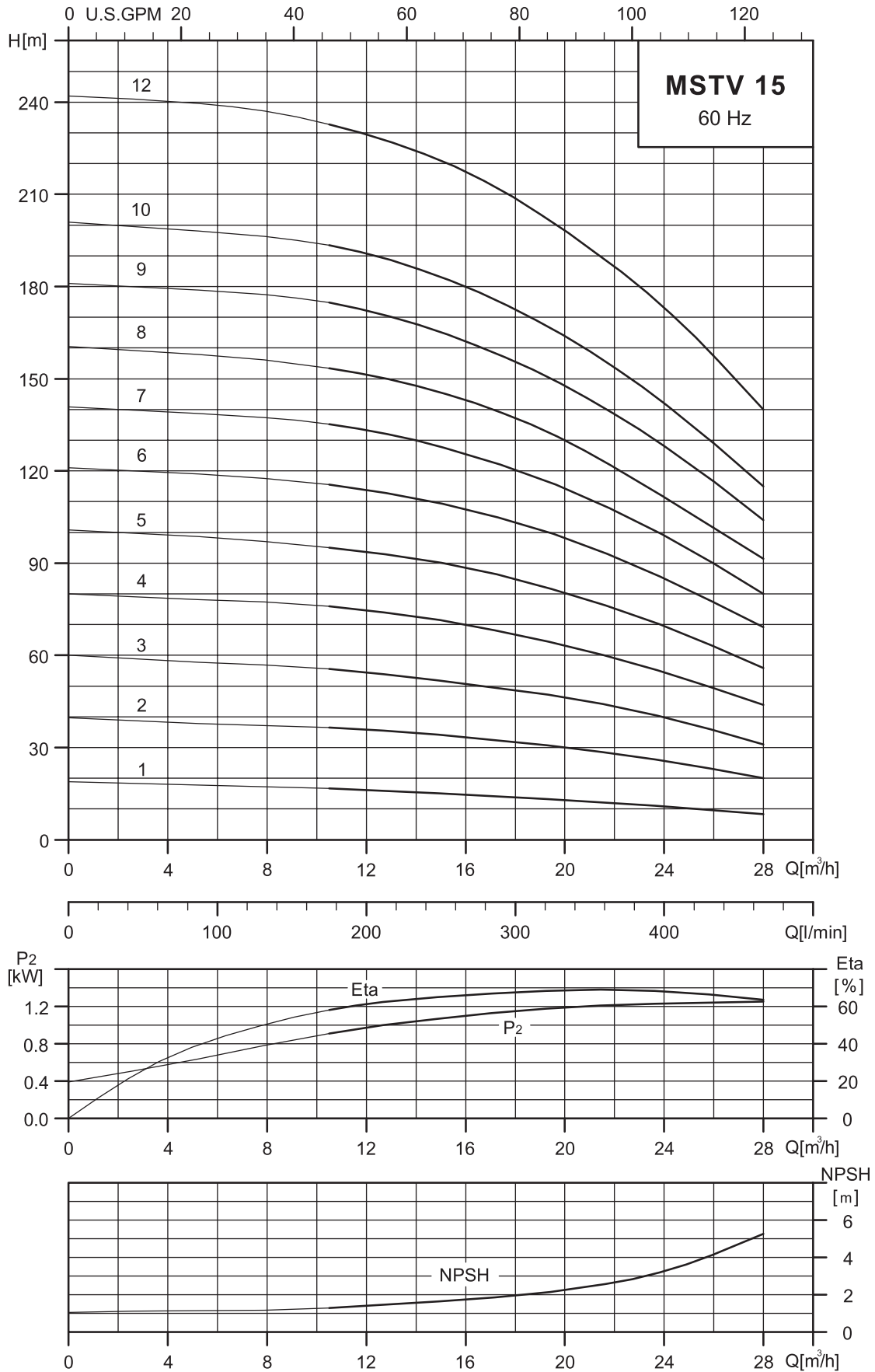


## Dimensions and weights – MSTV(S/I) 10

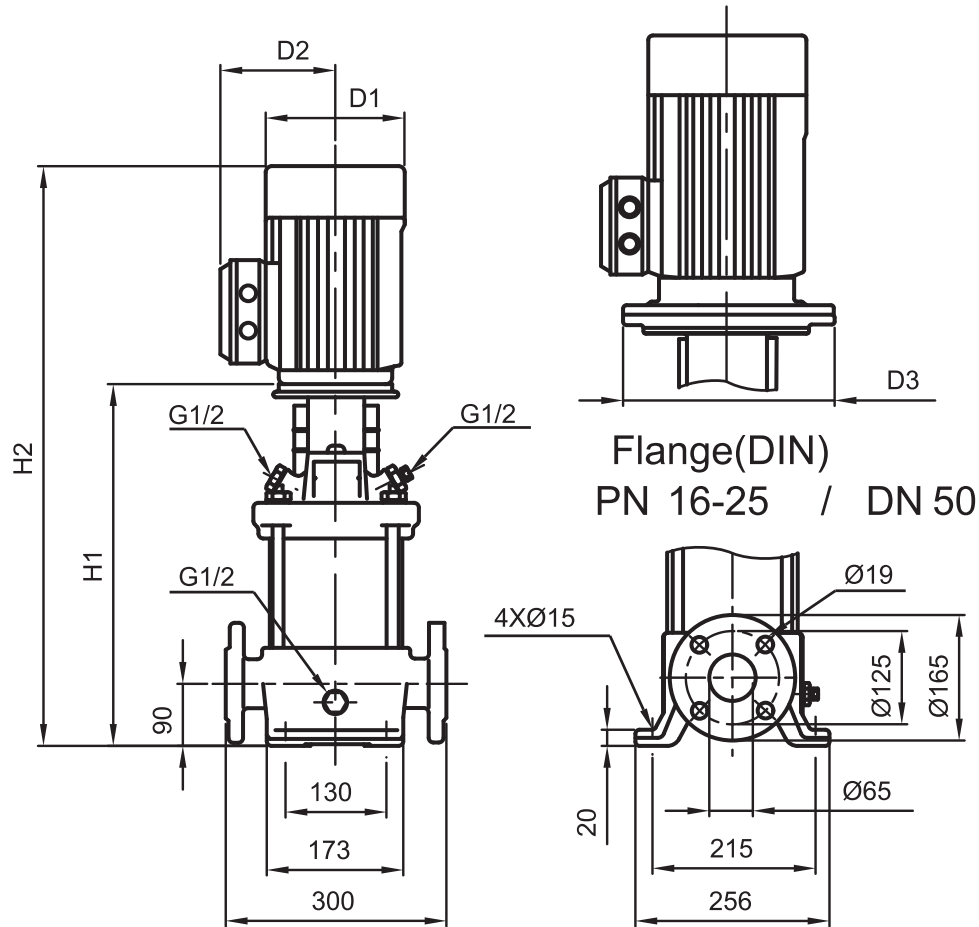


Pump type	Motor P <sub>2</sub> [kW]	MSTV(S/I)								
		Dimension [mm]						Net weight [kg]		
		Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
H1	H2	H1	H2							
MSTV(S/I) 10-1	0.75	357	592	357	592	141	115	—	34.1	34.0
MSTV(S/I) 10-2	1.5	373	664	373	664	177	141	—	44.1	44.0
MSTV(S/I) 10-3	2.2	403	694	403	694	177	141	—	47.9	47.8
MSTV(S/I) 10-4	3	438	754	438	754	197	147	—	55.9	55.8
MSTV(S/I) 10-5	3	468	784	468	784	197	147	—	57.0	56.8
MSTV(S/I) 10-6	4	498	824	498	824	220	161	—	61.4	61.3
MSTV(S/I) 10-7	5.5	560	922	560	922	235	197	300	89.8	89.7
MSTV(S/I) 10-8	5.5	590	952	590	952	235	197	300	90.9	90.7
MSTV(S/I) 10-9	5.5	620	982	620	982	235	197	300	91.9	91.7
MSTV(S/I) 10-10	7.5	650	1048	650	1048	235	197	300	101.5	101.4
MSTV(S/I) 10-12	7.5	710	1108	710	1108	235	197	300	103.6	103.4
MSTV(S/I) 10-14	11	847	1352	847	1352	318	245	350	142.7	142.5
MSTV(S/I) 10-16	11	907	1412	907	1412	318	245	350	144.7	144.6
MSTV(S/I) 10-17	11	937	1442	937	1442	318	245	350	145.9	145.7

## MSTV, MSTV(S/I) 15

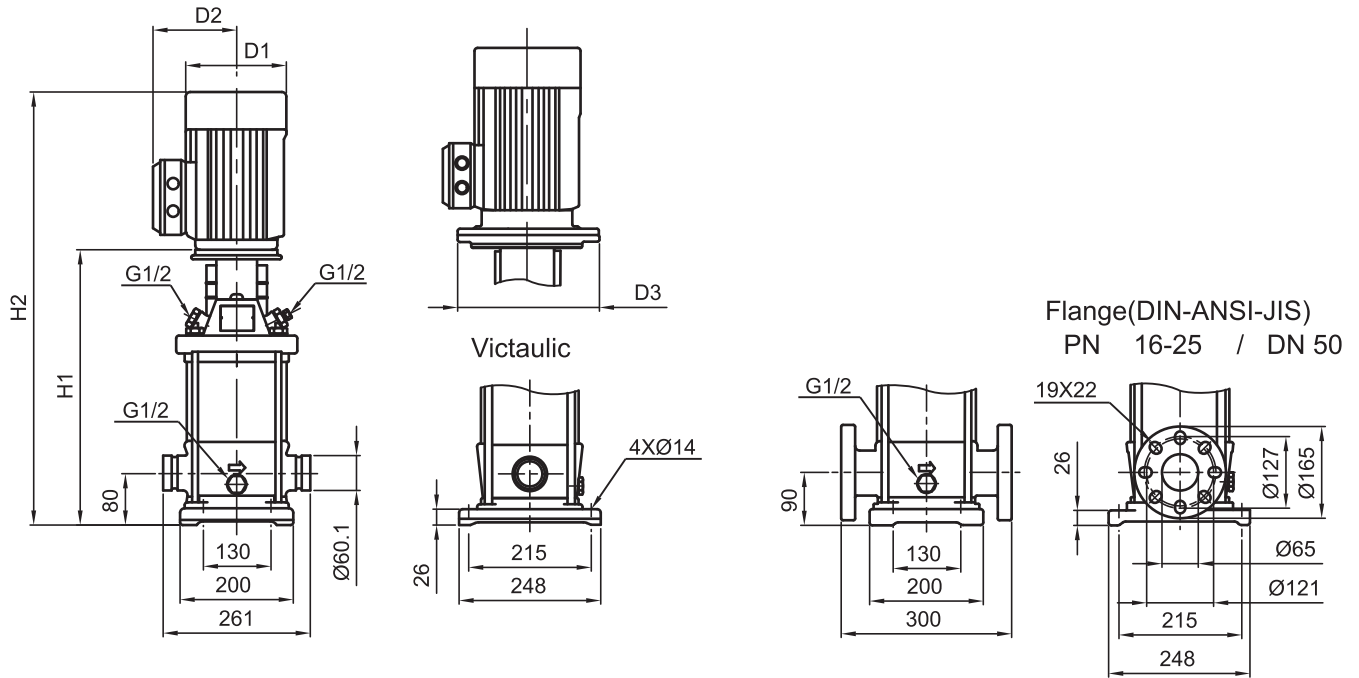


## Dimensions and weights – MSTV 15



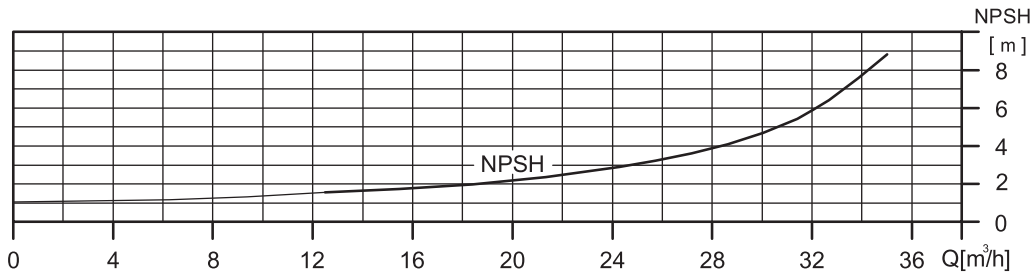
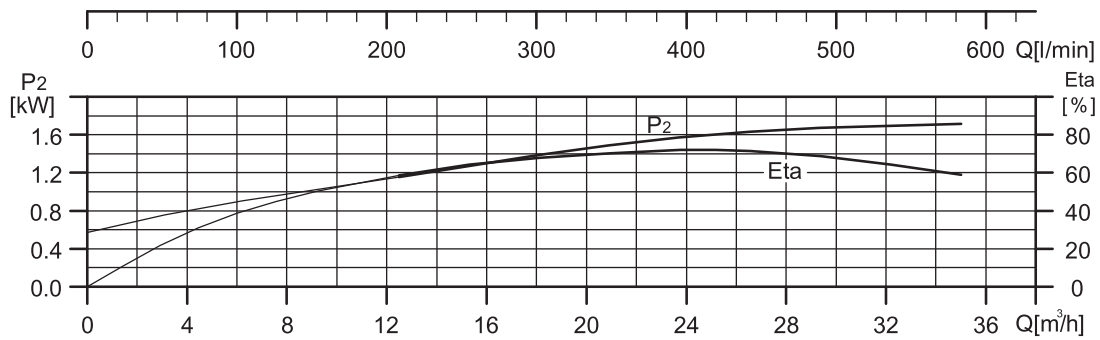
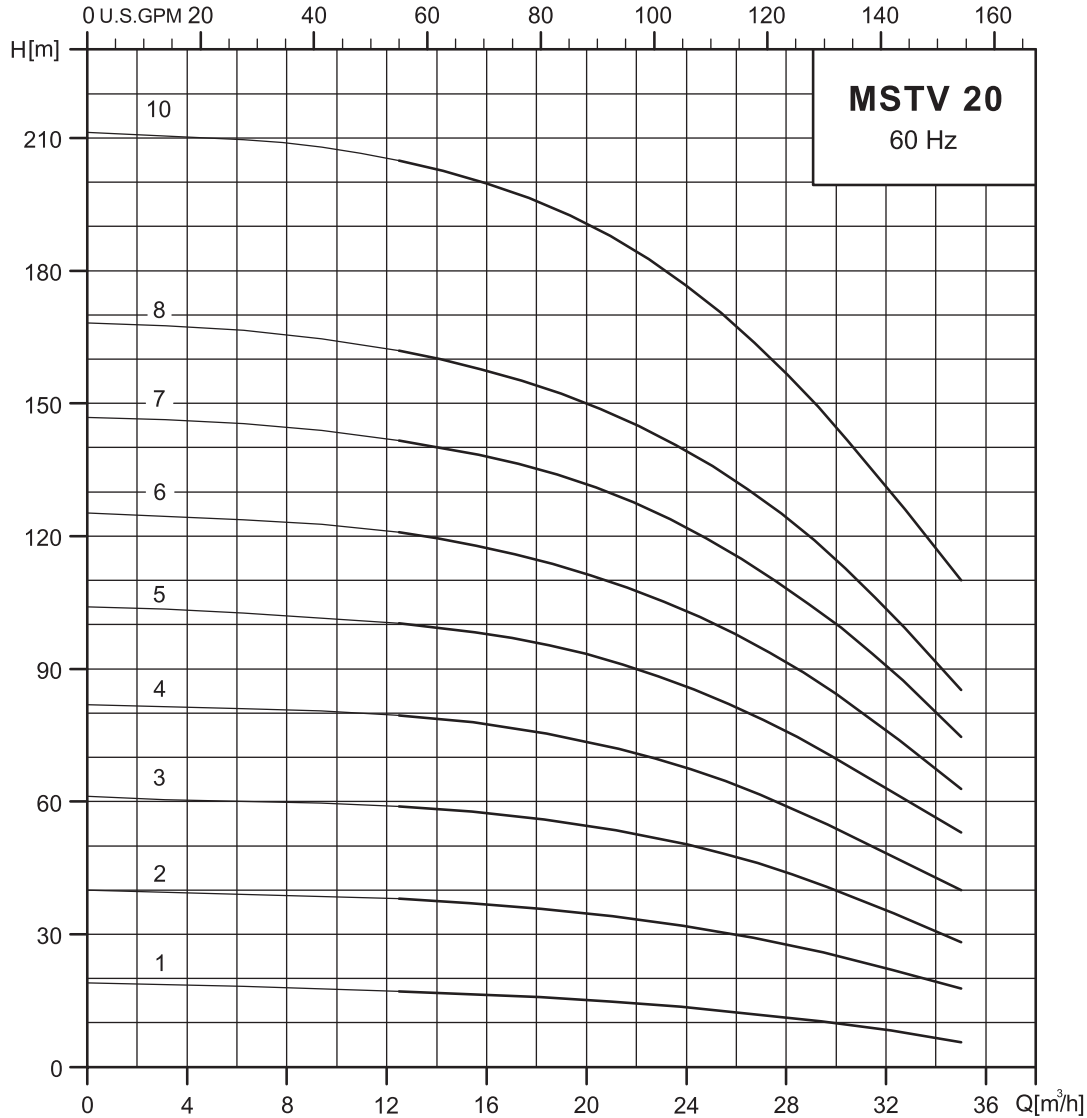
Pump type	Motor	MSTV					
		Dimension[mm]					Net weight [kg]
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	
		H1	H2				
MSTV 15-1	1.5	415	706	177	141	—	52.6
MSTV 15-2	3	420	736	197	147	—	63.5
MSTV 15-3	4	465	791	220	161	—	68.3
MSTV 15-4	5.5	542	904	235	197	300	96.0
MSTV 15-5	7.5	587	985	235	197	300	106.0
MSTV 15-6	11	709	1214	318	245	350	144.2
MSTV 15-7	11	754	1259	318	245	350	145.7
MSTV 15-8	11	799	1304	318	245	350	147.1
MSTV 15-9	15	844	1354	318	245	350	158.6
MSTV 15-10	15	889	1399	318	245	350	160.1
MSTV 15-12	18.5	979	1529	318	245	350	188.0

## Dimensions and weights – MSTV(S/I) 15

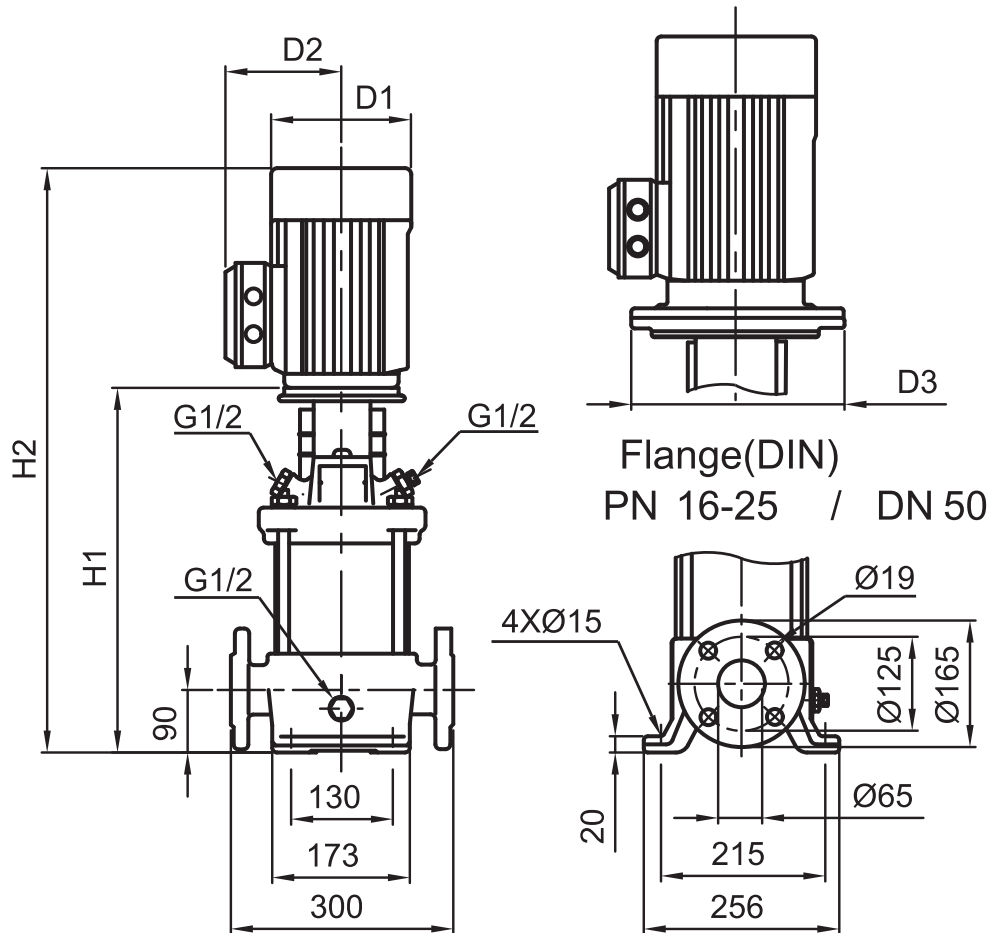


Pump type	Motor P <sub>2</sub> [kW]	MSTV(S/I)								
		Dimension [mm]							Net weight [kg]	
		Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
H1	H2	H1	H2							
MSTV(S/I) 15-1	1.5	403	694	413	704	177	141	—	44.6	45.3
MSTV(S/I) 15-2	3	408	724	418	734	197	147	—	54.7	55.3
MSTV(S/I) 15-3	4	453	779	463	789	220	161	—	59.5	60.1
MSTV(S/I) 15-4	5.5	530	892	540	902	235	197	300	88.3	88.9
MSTV(S/I) 15-5	7.5	575	973	585	983	235	197	300	98.3	99.0
MSTV(S/I) 15-6	11	697	1202	707	1212	318	245	350	136.9	137.5
MSTV(S/I) 15-7	11	742	1247	752	1257	318	245	350	138.3	138.9
MSTV(S/I) 15-8	11	787	1292	797	1302	318	245	350	139.7	140.3
MSTV(S/I) 15-9	15	832	1342	842	1352	318	245	350	151.3	151.9
MSTV(S/I) 15-10	15	877	1387	887	1397	318	245	350	152.8	153.4
MSTV(S/I) 15-12	18.5	967	1517	977	1527	318	245	350	180.5	181.2

## MSTV, MSTV(S/I) 20

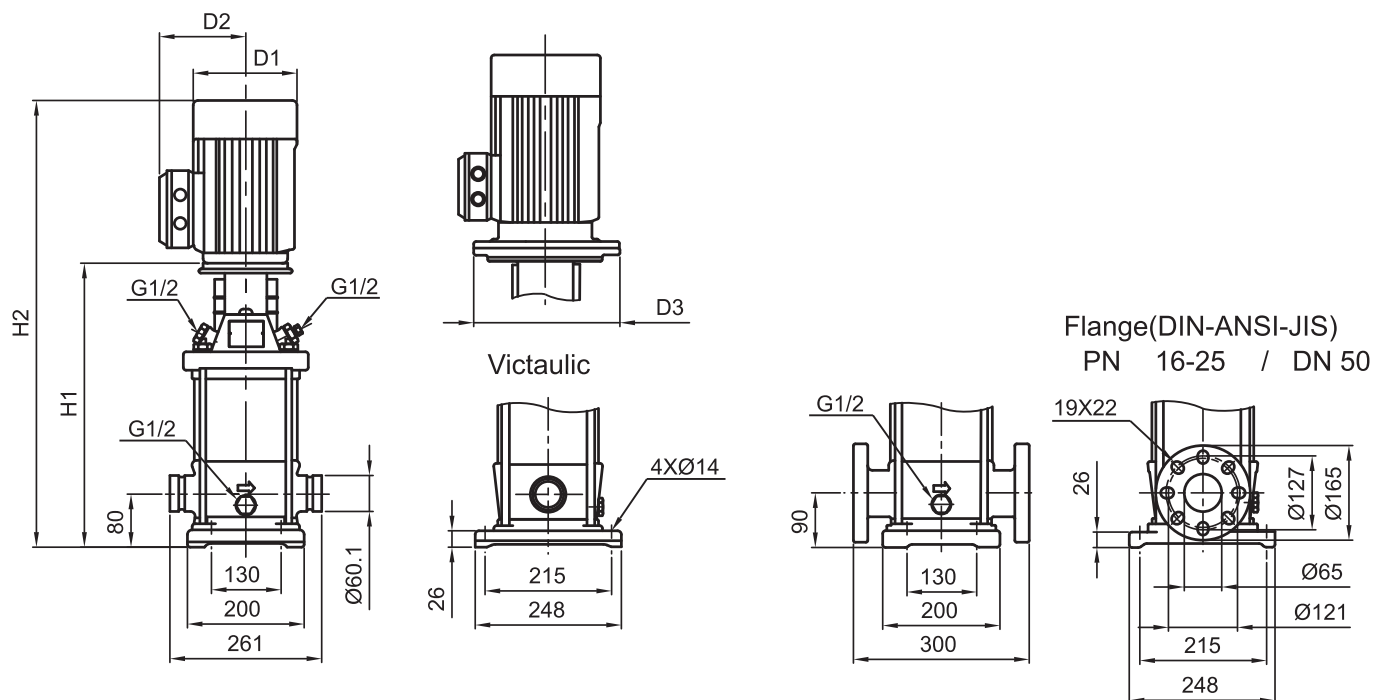


## Dimensions and weights – MSTV 20



Pump type	Motor	MSTV					Net weight [kg]
		Dimension[mm]					
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	DIN flange
		H1	H2				
MSTV 20-1	2.2	415	706	177	141	—	55.4
MSTV 20-2	4	420	746	220	161	—	66.9
MSTV 20-3	5.5	497	859	235	197	300	94.6
MSTV 20-4	7.5	542	940	235	197	300	104.6
MSTV 20-5	11	664	1169	318	245	350	142.7
MSTV 20-6	11	709	1214	318	245	350	144.2
MSTV 20-7	15	754	1264	318	245	350	155.8
MSTV 20-8	15	799	1309	318	245	350	157.2
MSTV 20-10	18.5	889	1439	318	245	350	185.0

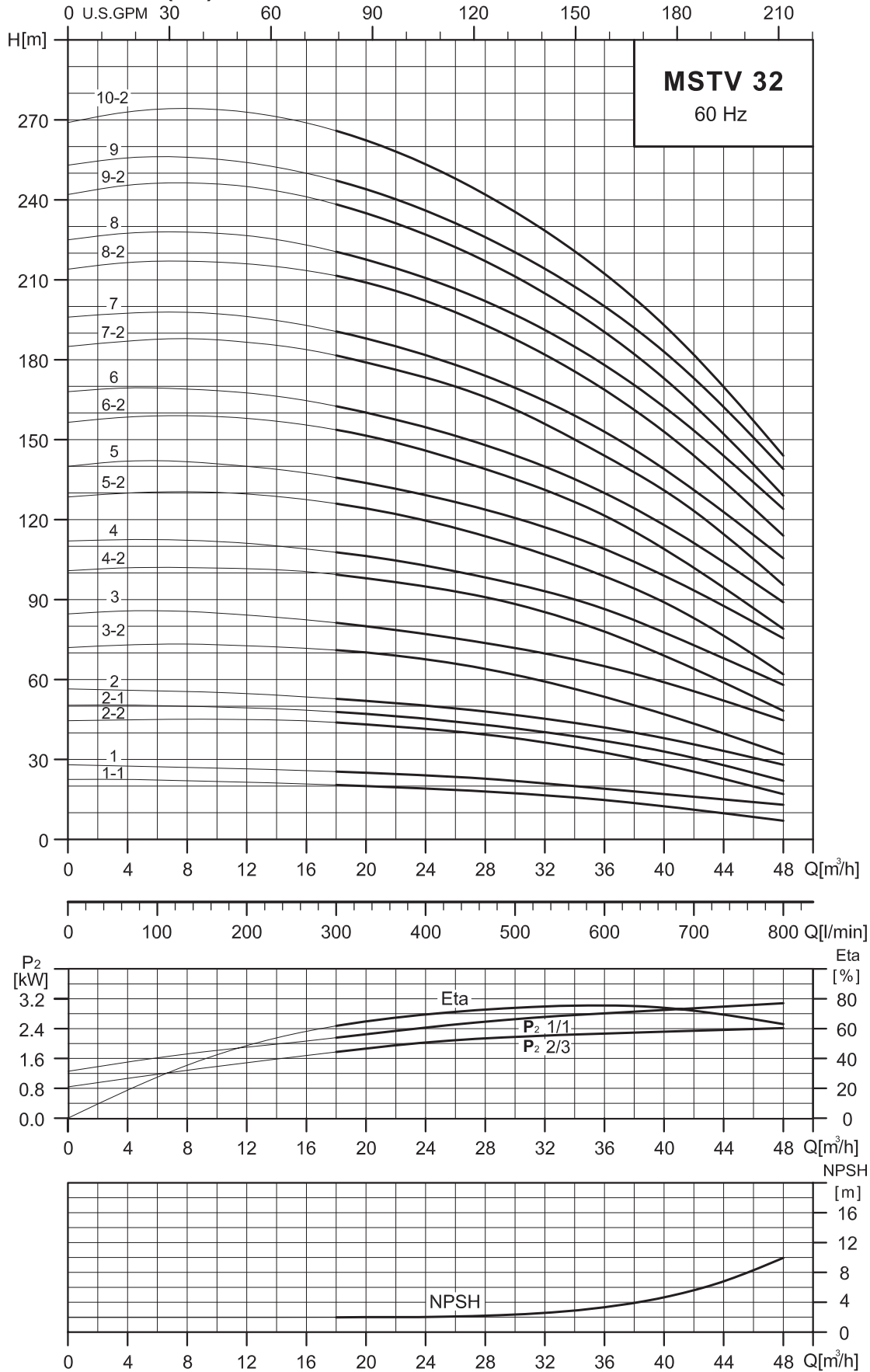
## Dimensions and weights – MSTV(S/I) 20



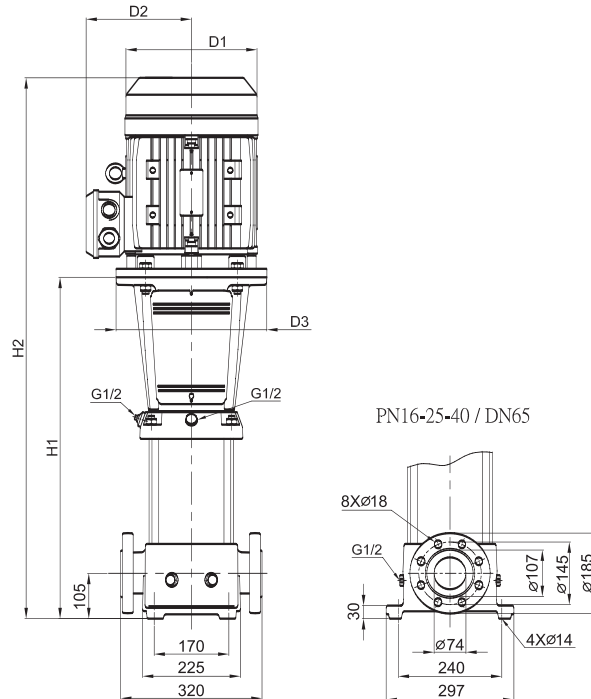
Pump type	Motor P <sub>2</sub> [kW]	MSTV(S/I)								
		Dimension [mm]						Net weight [kg]		
		Victaulic		DIN flange		D1	D2	D3	Victaulic	DIN flange
H1	H2	H1	H2							
MSTV(S/I) 20-1	2.2	405	696	415	706	177	141	—	47.4	48.1
MSTV(S/I) 20-2	4	410	736	420	746	220	161	—	58.1	58.7
MSTV(S/I) 20-3	5.5	487	849	497	859	235	197	300	86.9	87.5
MSTV(S/I) 20-4	7.5	532	930	542	940	235	197	300	96.9	97.5
MSTV(S/I) 20-5	11	654	1159	664	1169	318	245	350	135.4	136.0
MSTV(S/I) 20-6	11	699	1204	709	1214	318	245	350	136.9	137.5
MSTV(S/I) 20-7	15	744	1254	754	1264	318	245	350	148.4	149.0
MSTV(S/I) 20-8	15	789	1299	799	1309	318	245	350	149.8	150.4
MSTV(S/I) 20-10	18.5	879	1429	889	1439	318	245	350	177.7	178.3



## MSTV, MSTV(S/I) 32

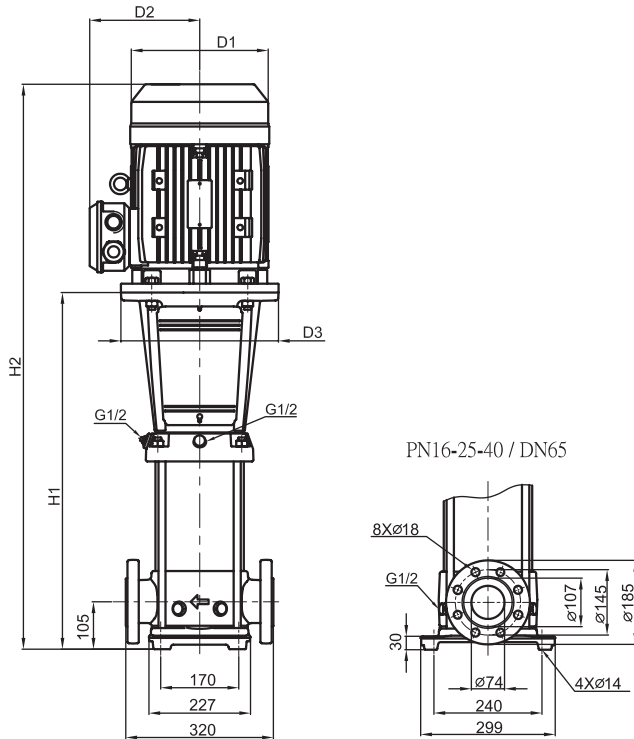


## Dimensions and weights – MSTV 32



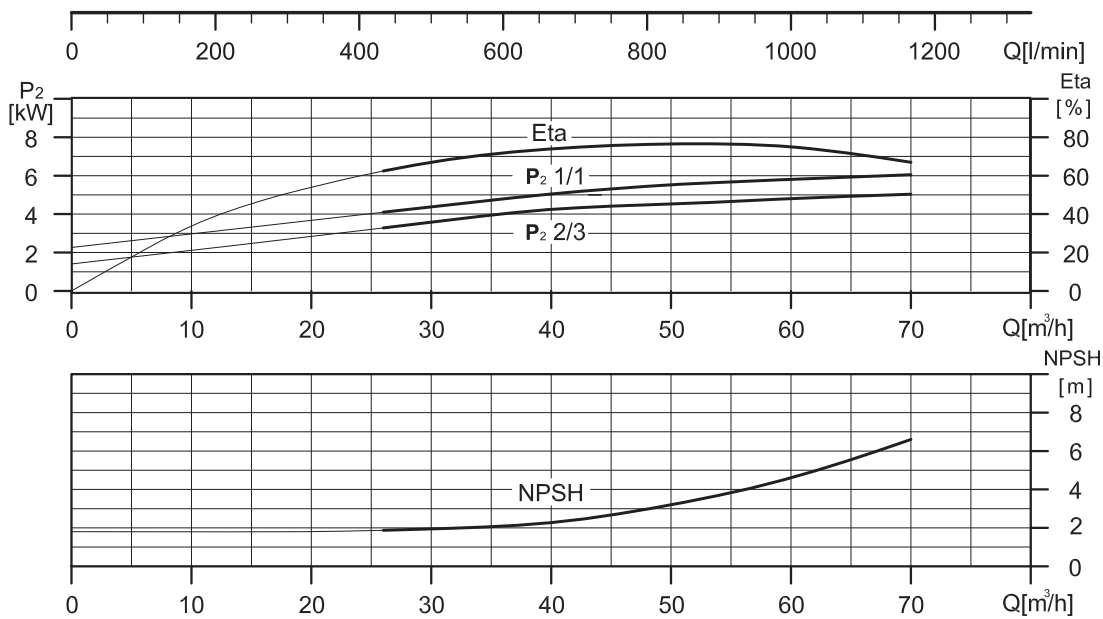
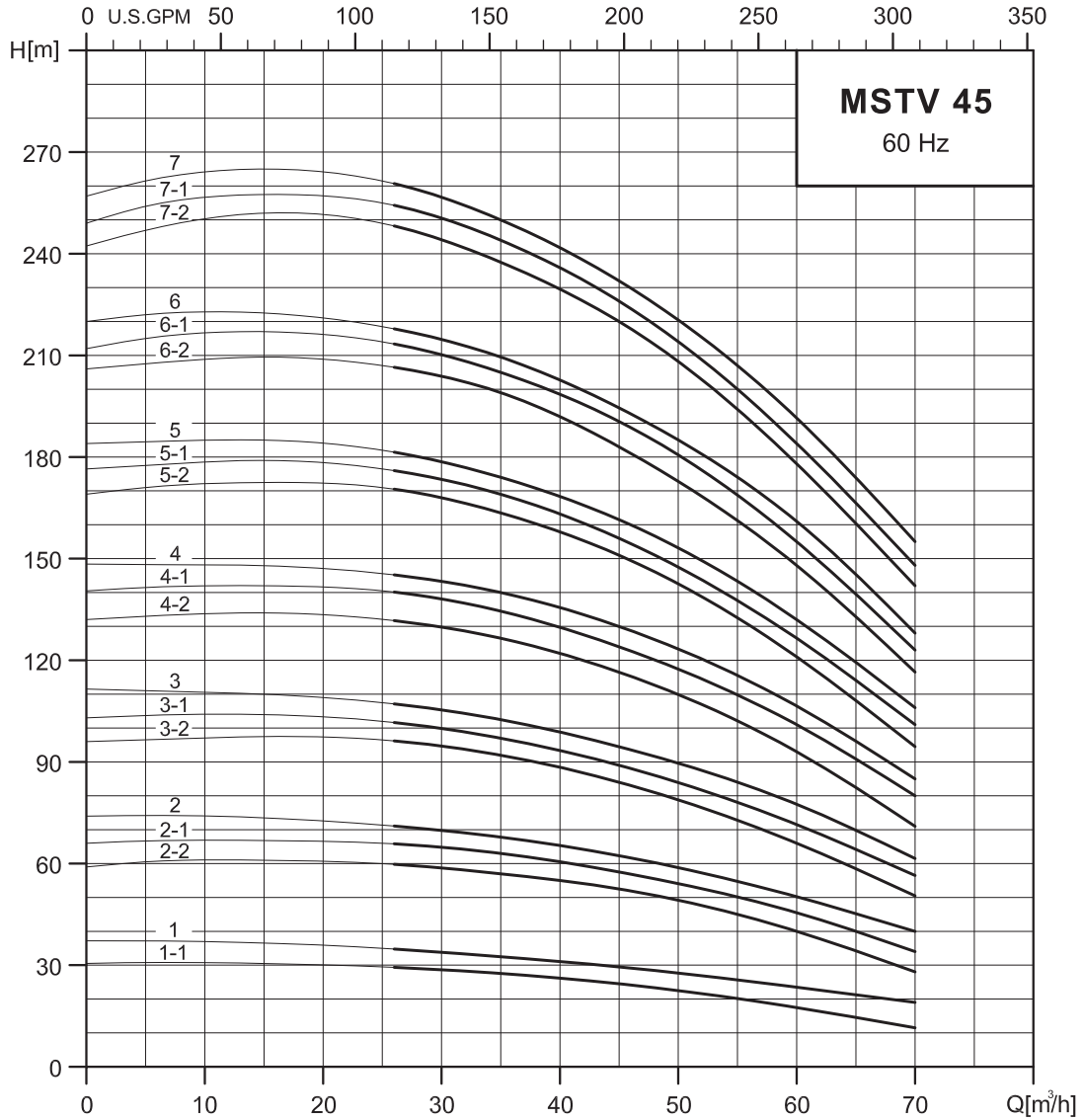
Pump type	Motor	MSTV					
		Dimension[mm]					Net weight [kg]
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	
		H1	H2				
MSTV 32-1-1	2.2	504	795	177	141	280	74.3
MSTV 32-1	3	504	820	197	147	280	81.1
MSTV 32-2-2	5.5	574	900	235	197	300	103.6
MSTV 32-2-1	5.5	574	936	235	197	300	103.7
MSTV 32-2	7.5	574	972	235	197	300	112.3
MSTV 32-3-2	11	754	1259	318	245	350	157.0
MSTV 32-3	11	754	1259	318	245	350	157.1
MSTV 32-4-2	11	824	1329	318	245	350	160.2
MSTV 32-4	15	824	1334	318	245	350	170.3
MSTV 32-5-2	15	894	1404	318	245	350	173.4
MSTV 32-5	18.5	894	1444	318	245	350	198.3
MSTV 32-6-2	18.5	964	1514	318	245	350	201.3
MSTV 32-6	18.5	964	1514	318	245	350	201.3
MSTV 32-7-2	22	1034	1614	358	265	350	247.2
MSTV 32-7	22	1034	1614	358	265	350	247.2
MSTV 32-8-2	30	1104	1764	420	295	400	315.1
MSTV 32-8	30	1104	1764	420	295	400	315.1
MSTV 32-9-2	30	1174	1834	420	295	400	317.8
MSTV 32-9	30	1174	1834	420	295	400	317.8
MSTV 32-10-2	30	1244	1904	420	295	400	320.5

## Dimensions and weights – MSTV(S/I) 32

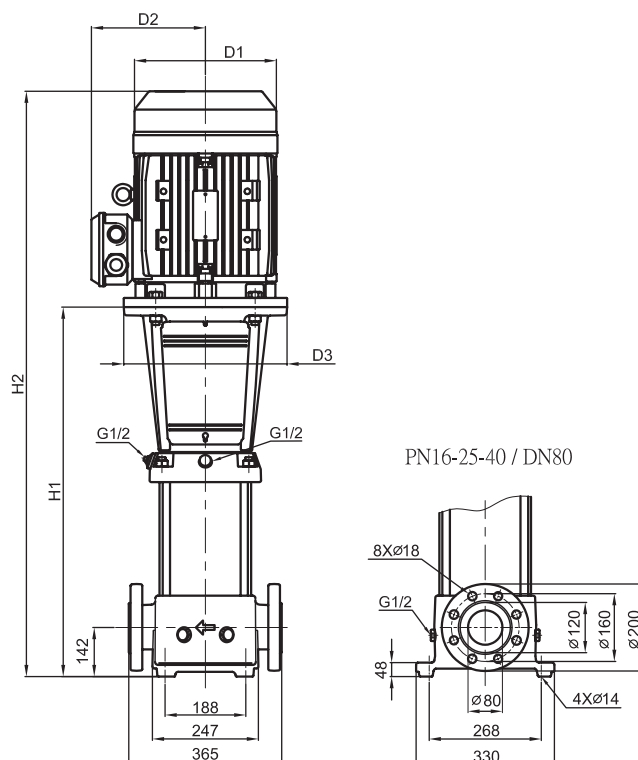


Pump type	Motor	MSTV(S/I)					Net weight [kg]
		Dimension[mm]					
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	DIN flange
		H1	H2				
MSTV(S/I) 32-1-1	2.2	504	795	177	141	280	69.3
MSTV(S/I) 32-1	3	504	820	197	147	280	76.0
MSTV(S/I) 32-2-2	5.5	574	900	235	197	300	98.6
MSTV(S/I) 32-2-1	5.5	574	936	235	197	300	98.6
MSTV(S/I) 32-2	7.5	574	972	235	197	300	107.2
MSTV(S/I) 32-3-2	11	754	1259	318	245	350	152.0
MSTV(S/I) 32-3	11	754	1259	318	245	350	152.0
MSTV(S/I) 32-4-2	11	824	1329	318	245	350	155.1
MSTV(S/I) 32-4	15	824	1334	318	245	350	165.2
MSTV(S/I) 32-5-2	15	894	1404	318	245	350	168.3
MSTV(S/I) 32-5	18.5	894	1444	318	245	350	193.3
MSTV(S/I) 32-6-2	18.5	964	1514	318	245	350	196.3
MSTV(S/I) 32-6	18.5	964	1514	318	245	350	196.4
MSTV(S/I) 32-7-2	22	1034	1614	358	265	350	242.2
MSTV(S/I) 32-7	22	1034	1614	358	265	350	242.3
MSTV(S/I) 32-8-2	30	1104	1764	420	295	400	310.1
MSTV(S/I) 32-8	30	1104	1764	420	295	400	310.1
MSTV(S/I) 32-9-2	30	1174	1834	420	295	400	312.8
MSTV(S/I) 32-9	30	1174	1834	420	295	400	312.9
MSTV(S/I) 32-10-2	30	1244	1904	420	295	400	315.5

## MSTV, MSTV(S/I) 45

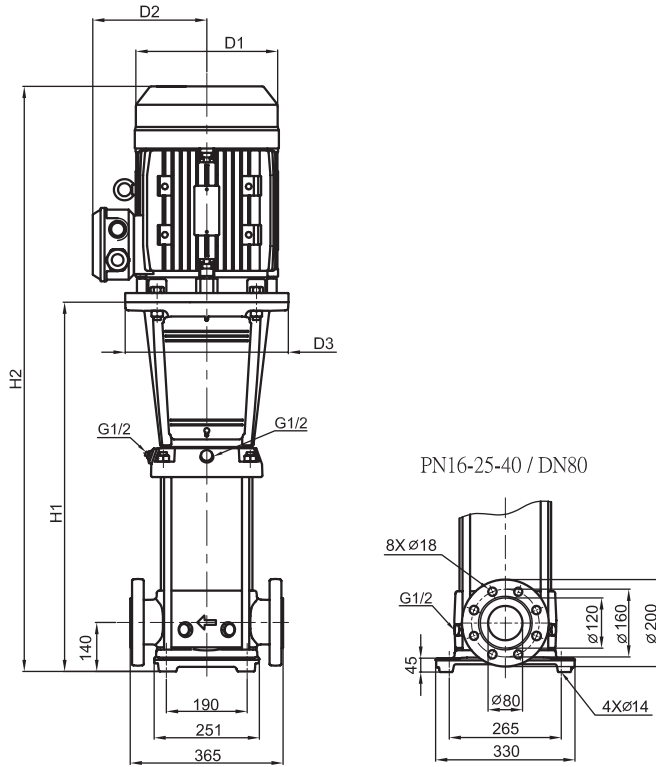


## Dimensions and weights – MSTV 45



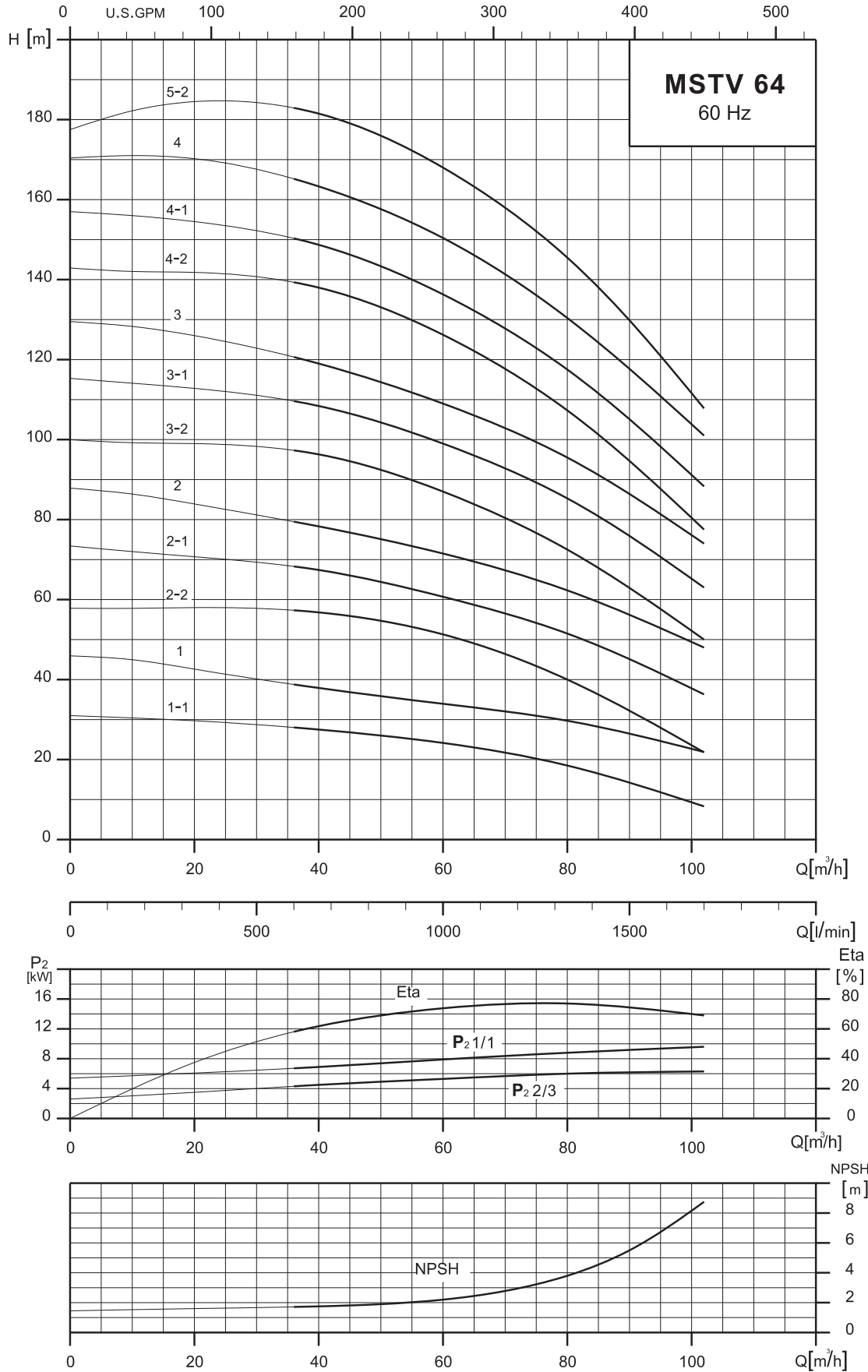
Pump type	Motor	MSTV					Net weight [kg]
		Dimension [mm]			D1	D2	
	P <sub>2</sub> [kW]	DIN flange		D1			D2
		H1	H2				
MSTV 45-1-1	5.5	561	923	235	197	300	111.2
MSTV 45-1	7.5	561	959	235	197	300	119.8
MSTV 45-2-2	11	751	1256	318	245	350	165.2
MSTV 45-2-1	11	751	1256	318	245	350	165.2
MSTV 45-2	15	751	1261	318	245	350	175.3
MSTV 45-3-2	18.5	831	1381	318	245	350	204.0
MSTV 45-3-1	18.5	831	1381	318	245	350	204.0
MSTV 45-3	18.5	831	1381	318	245	350	204.0
MSTV 45-4-2	22	911	1491	358	265	350	250.5
MSTV 45-4-1	30	911	1571	420	295	400	315.1
MSTV 45-4	30	911	1571	420	295	400	315.1
MSTV 45-5-2	30	991	1651	420	295	400	318.9
MSTV 45-5-1	30	991	1651	420	295	400	318.9
MSTV 45-5	30	991	1651	420	295	400	318.9
MSTV 45-6-2	37	1071	1731	420	295	400	335.7
MSTV 45-6-1	37	1071	1731	420	295	400	335.7
MSTV 45-6	37	1071	1731	420	295	400	335.7
MSTV 45-7-2	45	1151	1841	470	325	450	397.5
MSTV 45-7-1	45	1151	1841	470	325	450	397.5
MSTV 45-7	45	1151	1841	470	325	450	397.6

## Dimensions and weights – MSTV(S/I) 45



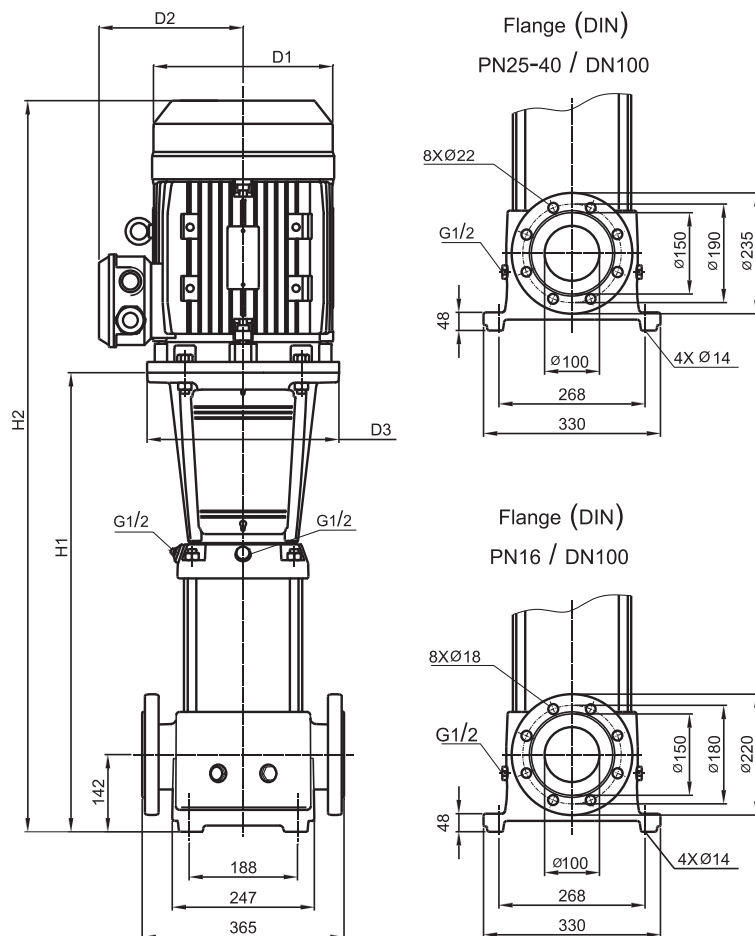
Pump type	Motor	MSTV(S/I)					Net weight [kg]
		Dimension[mm]					
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	DIN flange
		H1	H2				
MSTV(S/I) 45-1-1	5.5	559	921	235	197	300	102.4
MSTV(S/I) 45-1	7.5	559	957	235	197	300	111.0
MSTV(S/I) 45-2-2	11	749	1254	318	245	350	156.4
MSTV(S/I) 45-2-1	11	749	1254	318	245	350	156.4
MSTV(S/I) 45-2	15	749	1259	318	245	350	166.5
MSTV(S/I) 45-3-2	18.5	829	1379	318	245	350	195.2
MSTV(S/I) 45-3-1	18.5	829	1379	318	245	350	195.2
MSTV(S/I) 45-3	18.5	829	1379	318	245	350	195.2
MSTV(S/I) 45-4-2	22	909	1489	358	265	350	241.7
MSTV(S/I) 45-4-1	30	909	1569	420	295	400	306.3
MSTV(S/I) 45-4	30	909	1569	420	295	400	306.3
MSTV(S/I) 45-5-2	30	989	1649	420	295	400	310.1
MSTV(S/I) 45-5-1	30	989	1649	420	295	400	310.1
MSTV(S/I) 45-5	30	989	1649	420	295	400	310.1
MSTV(S/I) 45-6-2	37	1069	1729	420	295	400	326.9
MSTV(S/I) 45-6-1	37	1069	1729	420	295	400	326.9
MSTV(S/I) 45-6	37	1069	1729	420	295	400	326.9
MSTV(S/I) 45-7-2	45	1149	1839	470	325	450	388.7
MSTV(S/I) 45-7-1	45	1149	1839	470	325	450	388.8
MSTV(S/I) 45-7	45	1149	1839	470	325	450	388.8

## MSTV, MSTV(S/I) 64



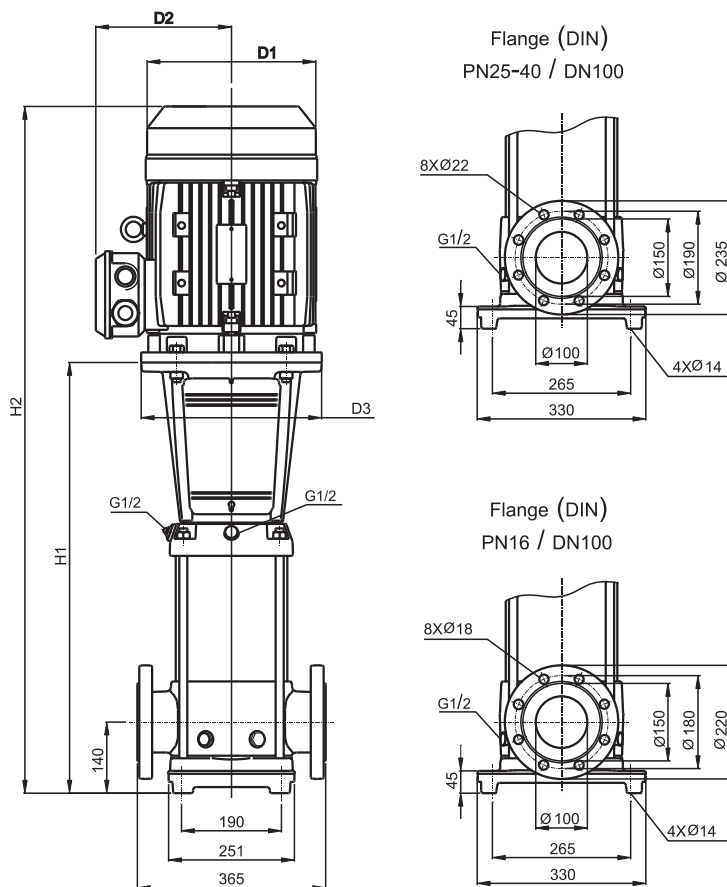


## Dimensions and weights – MSTV 64



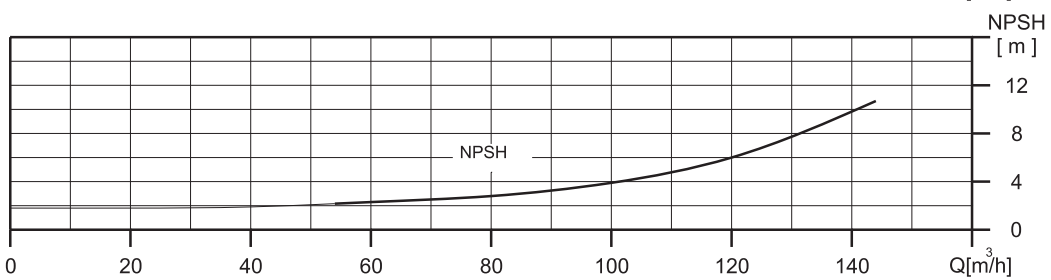
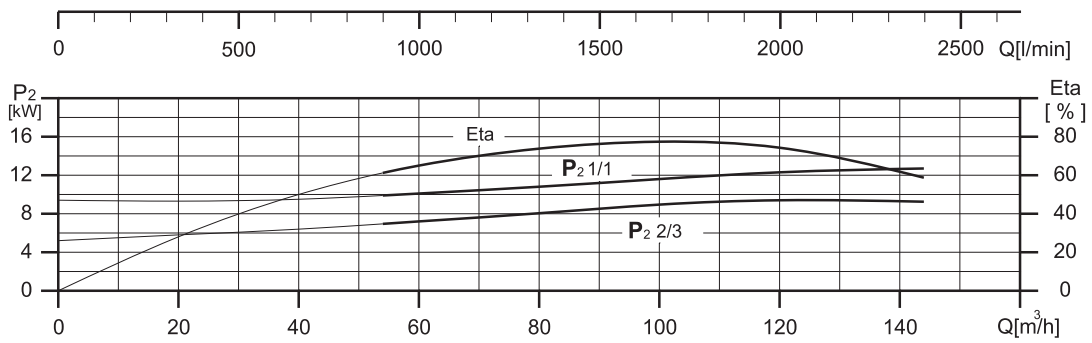
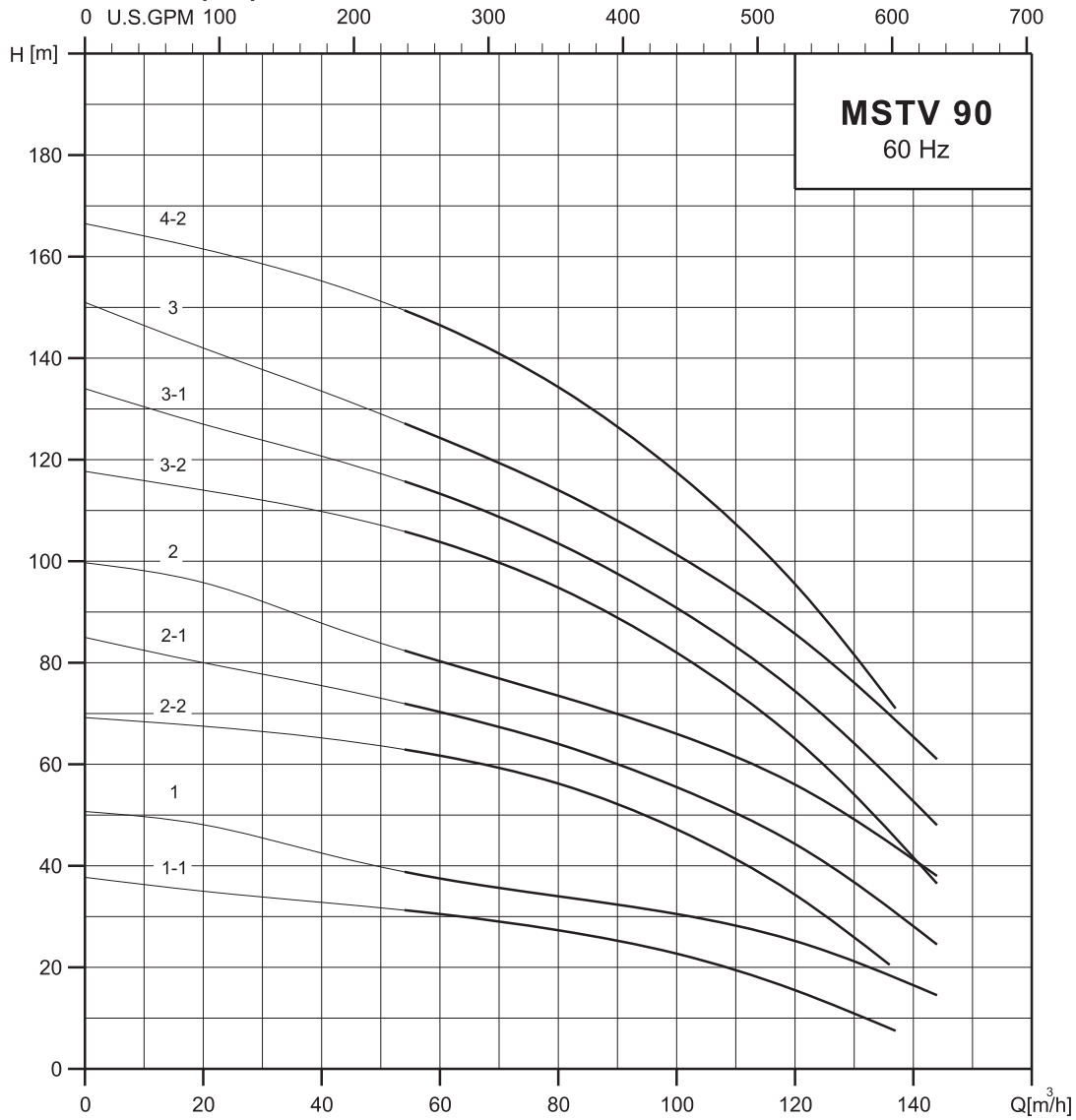
Pump type	Motor P <sub>2</sub> [kW]	MSTV					Net weight [kg]
		Dimension [mm]			D1	D2	
		DIN flange		DIN flange			
MSTV 64-1-1	7.5	H1	H2		D1	D2	D3
MSTV 64-1	11	563	961	235	197	300	155.2
MSTV 64-2-2	15	673	1178	318	245	350	169.4
MSTV 64-2-1	18.5	756	1266	318	245	350	194.3
MSTV 64-2	22	756	1336	358	265	350	237.0
MSTV 64-3-2	22	838	1418	358	265	350	241.6
MSTV 64-3-1	30	838	1498	420	295	400	306.2
MSTV 64-3	30	838	1498	420	295	400	306.2
MSTV 64-4-2	37	921	1581	420	295	400	323.2
MSTV 64-4-1	37	921	1581	420	295	400	323.2
MSTV 64-4	45	925	1585	470	325	450	381.4
MSTV 64-5-2	45	1007	1667	470	325	450	385.4

## Dimensions and weights – MSTV(S/I) 64

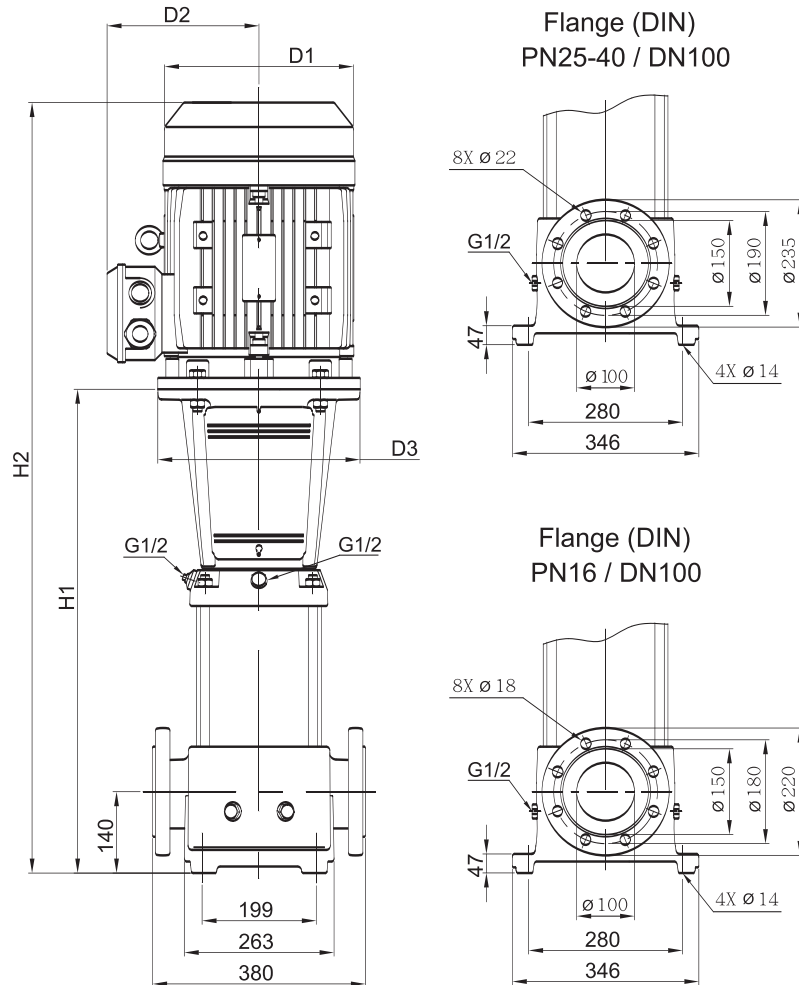


Pump type	Motor P <sub>2</sub> [kW]	MSTV(S/I)					Net weight [kg]
		Dimension [mm]					
		DIN flange		D1	D2	D3	
H1	H2						
MSTV(S/I) 64-1-1	7.5	563	961	235	197	300	106.5
MSTV(S/I) 64-1	11	673	1178	318	245	350	148.2
MSTV(S/I) 64-2-2	15	756	1266	318	245	350	162.4
MSTV(S/I) 64-2-1	18.5	756	1306	318	245	350	187.3
MSTV(S/I) 64-2	22	756	1336	358	265	350	230.0
MSTV(S/I) 64-3-2	22	838	1418	358	265	350	234.1
MSTV(S/I) 64-3-1	30	838	1498	420	295	400	298.7
MSTV(S/I) 64-3	30	838	1498	420	295	400	298.7
MSTV(S/I) 64-4-2	37	921	1581	420	295	400	315.7
MSTV(S/I) 64-4-1	37	921	1581	420	295	400	315.7
MSTV(S/I) 64-4	45	925	1585	470	325	450	373.8
MSTV(S/I) 64-5-2	45	1007	1667	470	325	450	373.7

## MSTV, MSTV(S/I) 90

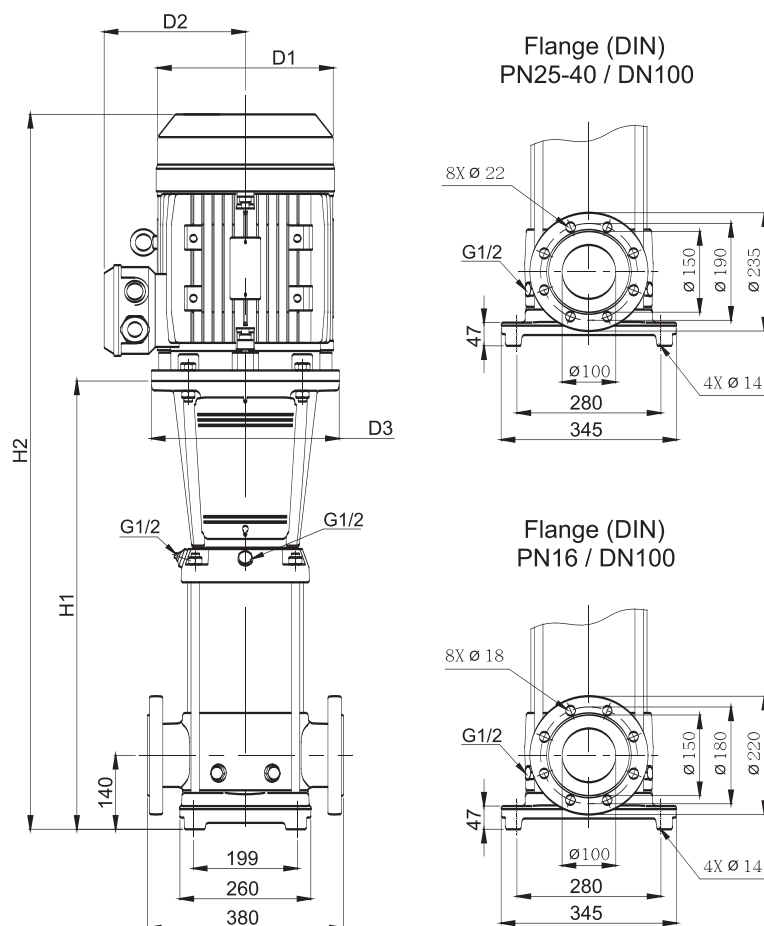


## Dimensions and weights – MSTV 90



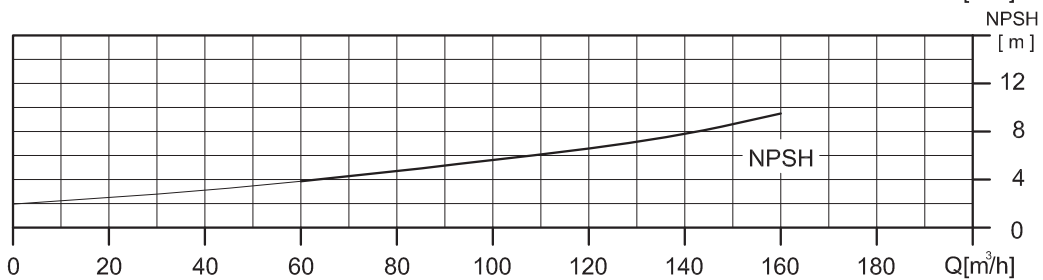
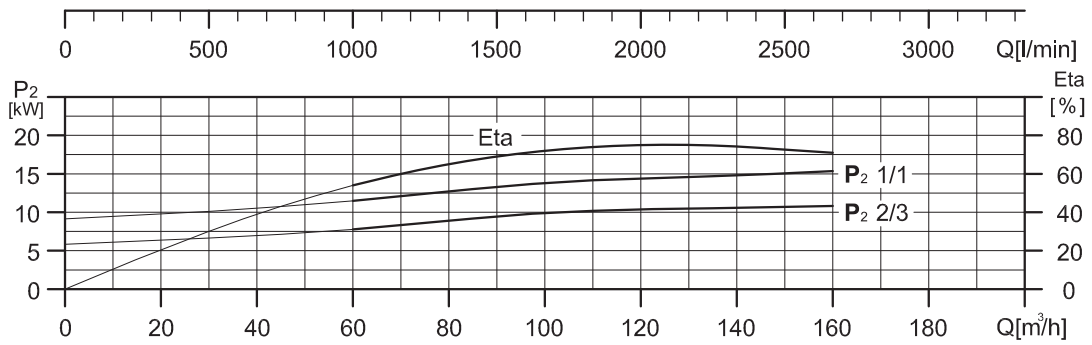
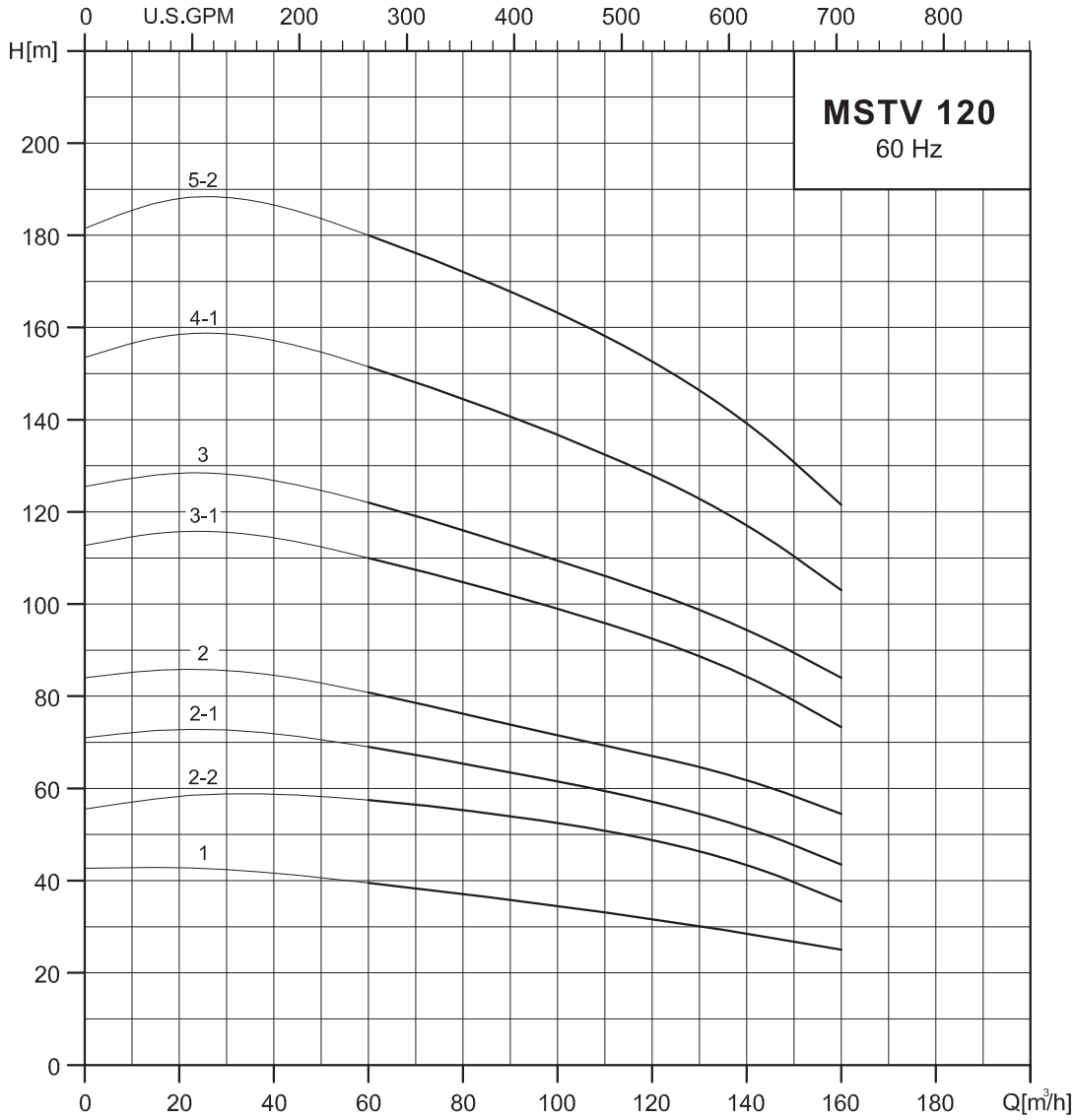
Pump type	Motor	MSTV					Net weight [kg]
		Dimension [mm]			D1	D2	
	P <sub>2</sub> [kW]	DIN flange		DIN flange			
		H1	H2				
MSTV 90-1-1	11	682	1187	318	245	350	169.1
MSTV 90-1	15	682	1192	318	245	350	179.1
MSTV 90-2-2	18.5	774	1324	318	245	350	209.4
MSTV 90-2-1	22	774	1354	358	265	350	252.2
MSTV 90-2	30	774	1434	420	295	400	316.8
MSTV 90-3-2	37	866	1526	420	295	400	335.0
MSTV 90-3-1	37	866	1526	420	295	400	335.0
MSTV 90-3	45	866	1556	470	325	450	393.1
MSTV 90-4-2	45	958	1648	470	325	450	400.3

## Dimensions and weights – MSTV(S/I) 90

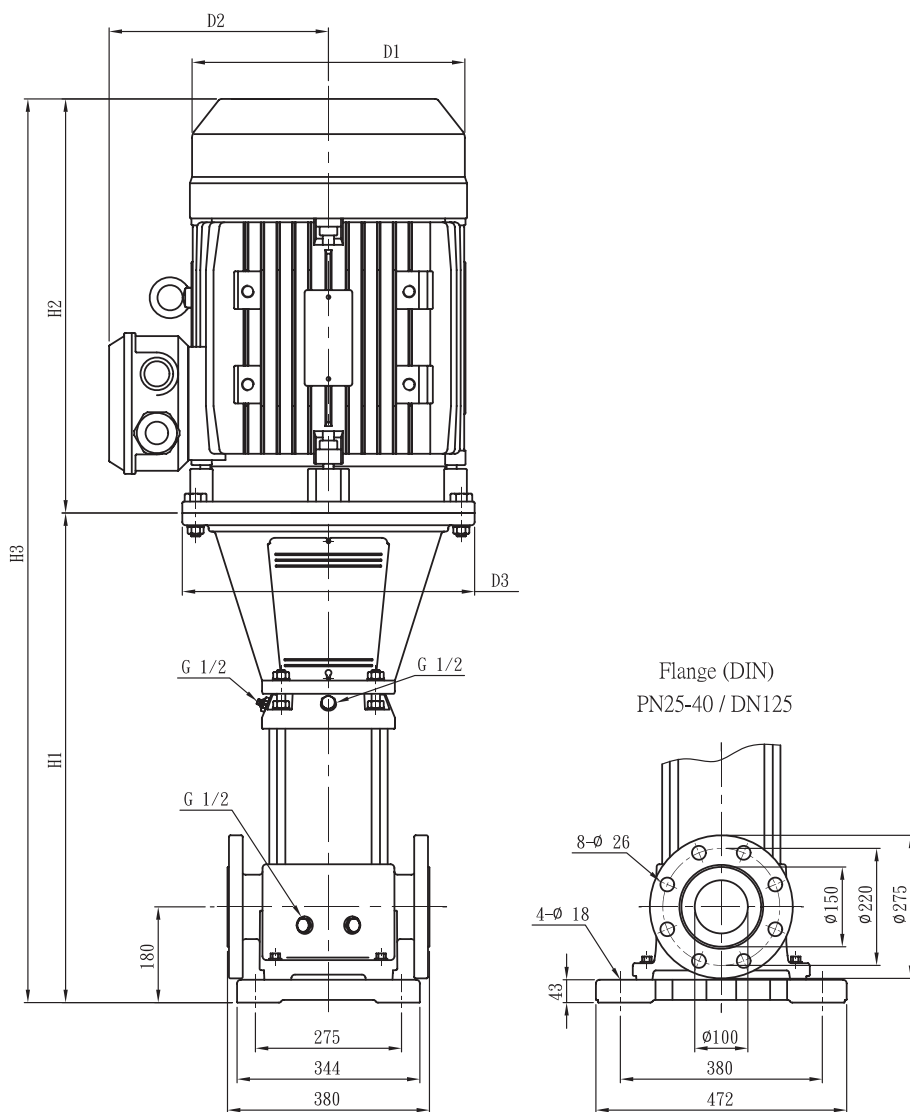


Pump type	Motor	MSTV(S/I)					Net weight [kg]
		Dimension [mm]					
	P <sub>2</sub> [kW]	DIN flange		D1	D2	D3	DIN flange
		H1	H2				
MSTV(S/I) 90-1-1	11	686	1191	318	245	350	159.0
MSTV(S/I) 90-1	15	686	1196	318	245	350	169.0
MSTV(S/I) 90-2-2	18.5	778	1328	318	245	350	199.2
MSTV(S/I) 90-2-1	22	778	1358	358	265	350	242.0
MSTV(S/I) 90-2	30	778	1438	420	295	400	306.6
MSTV(S/I) 90-3-2	37	870	1530	420	295	400	324.8
MSTV(S/I) 90-3-1	37	870	1530	420	295	400	324.8
MSTV(S/I) 90-3	45	870	1560	470	325	450	382.9
MSTV(S/I) 90-4-2	45	962	1652	470	325	450	389.9

## MSTV, MSTV(S/I) 120

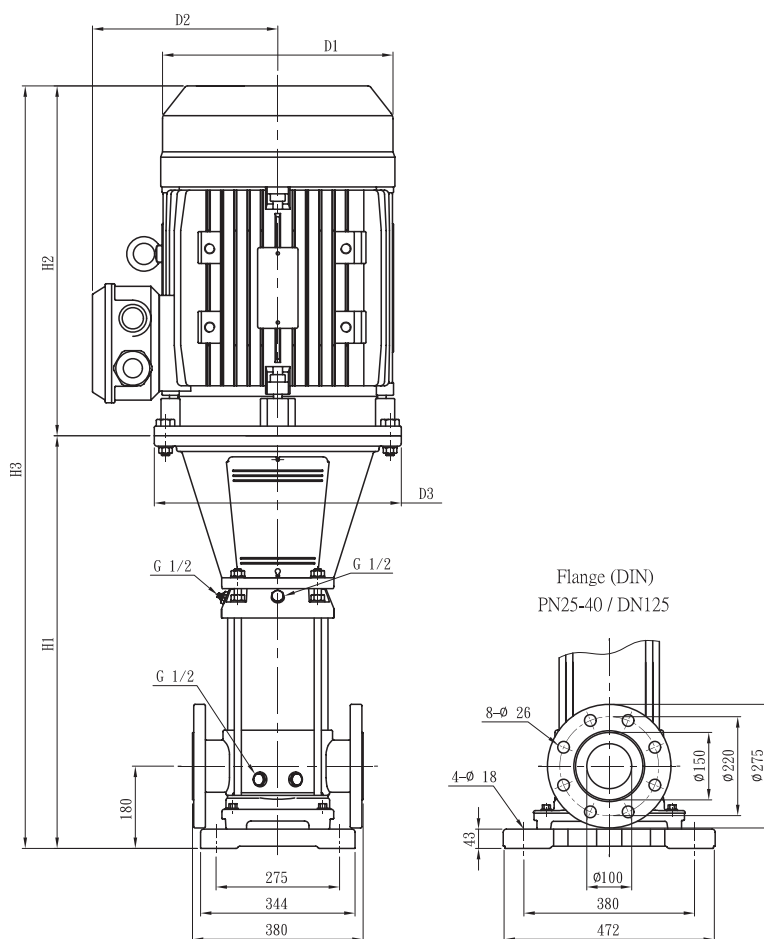


## Dimensions and weights – MSTV 120



Pump type	Motor	MSTV						Net weight [kg]
		Dimension [mm]					DIN flange	
	P <sub>2</sub> [kW]	DIN flange			D1	D2		D3
		H1	H2	H3				
MSTV 120-1	18.5	834	550	1384	318	245	350	235.1
MSTV 120-2-2	30	990	660	1650	420	295	400	352.4
MSTV 120-2-1	30	990	660	1650	420	295	400	352.5
MSTV 120-2	37	990	660	1650	420	295	400	365.5
MSTV 120-3-1	45	1149	690	1839	470	325	450	433.5
MSTV 120-3	55	1175	770	1945	510	355	550	548.8
MSTV 120-4-1	75	1331	845	2176	580	410	550	721.2
MSTV 120-5-2	75	1486	845	2331	580	410	550	731.2

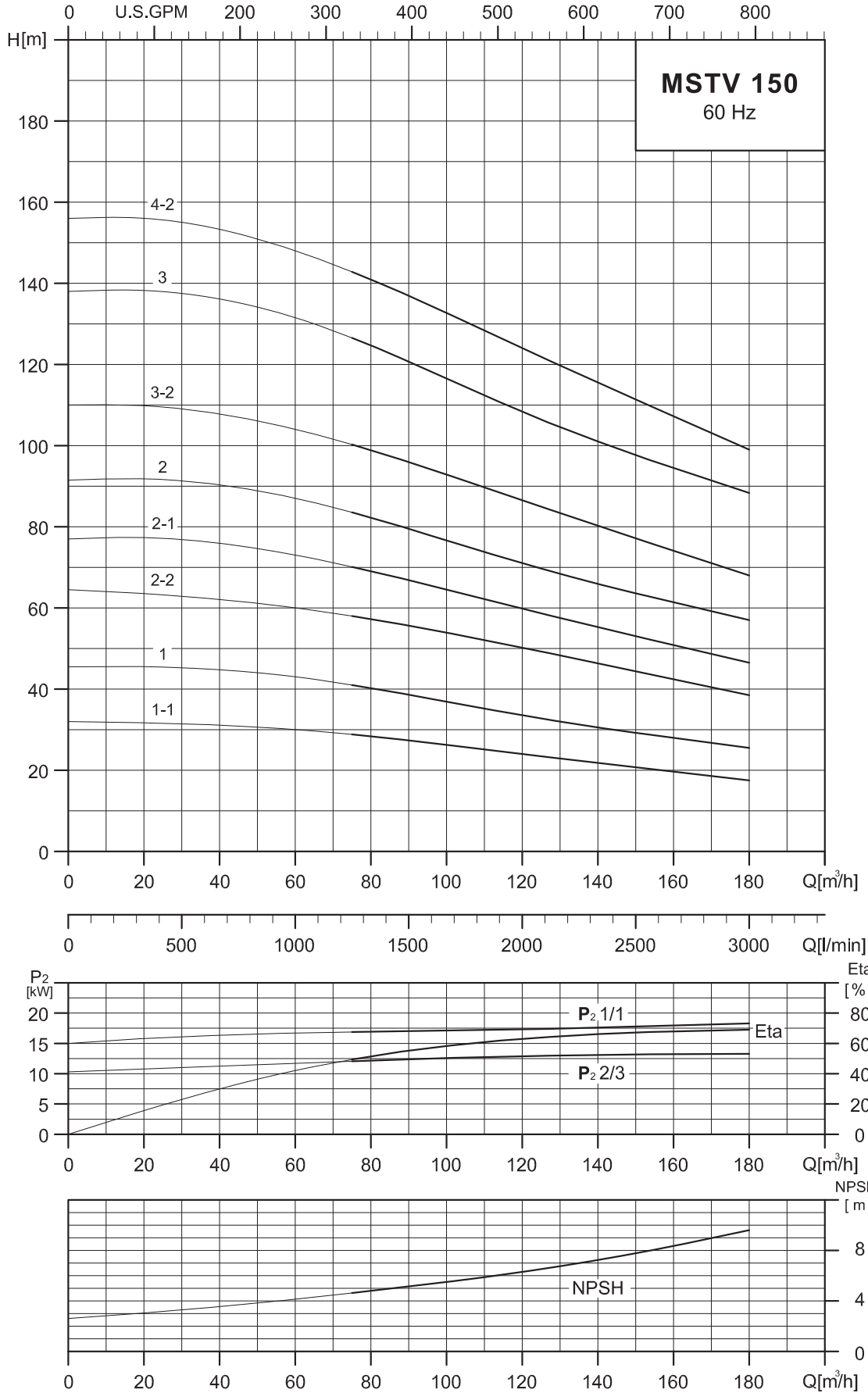
## Dimensions and weights – MSTV(S/I) 120



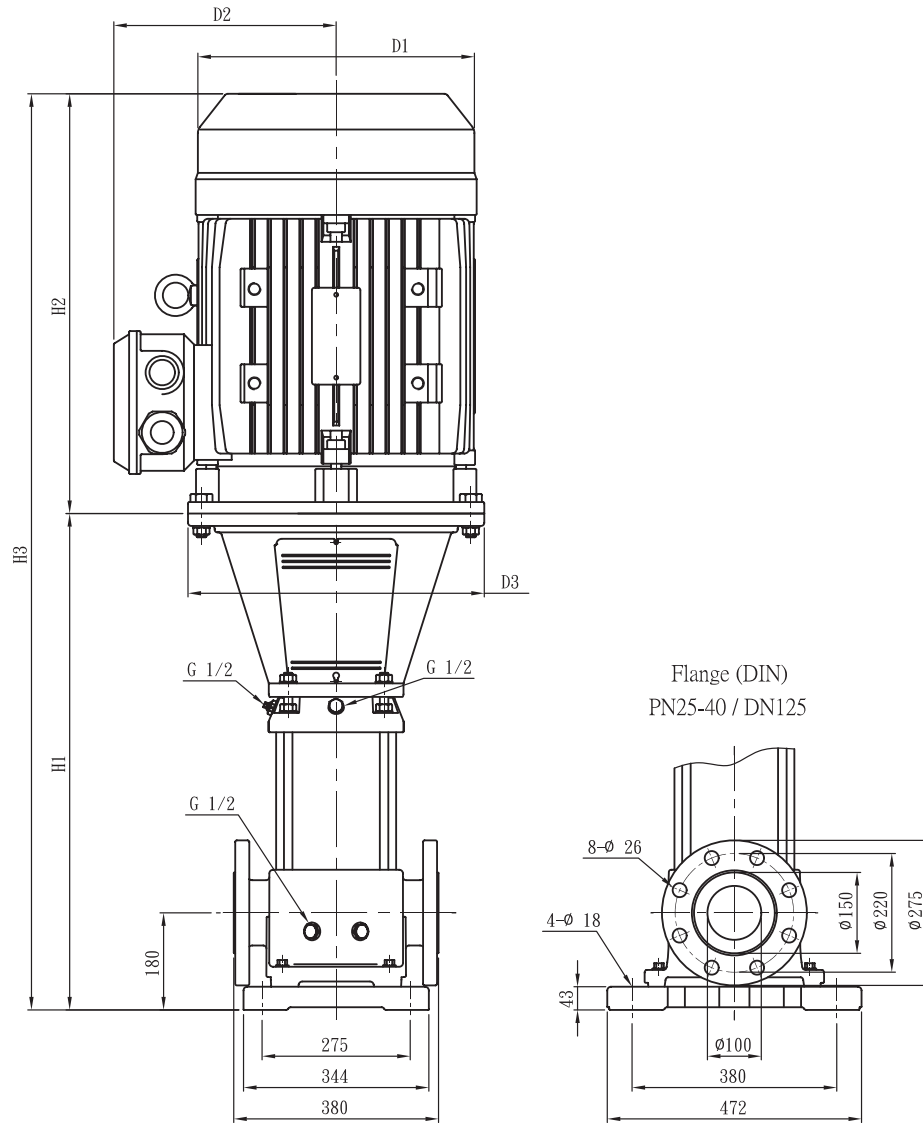
Pump type	Motor	MSTV(S/I)						Net weight [kg]
		Dimension[mm]						
	P <sub>2</sub> [kW]	DIN flange			D1	D2	D3	DIN flange
		H1	H2	H3				
MSTV(S/I) 120-1	18.5	837	550	1387	318	245	350	215.2
MSTV(S/I) 120-2-2	30	993	660	1653	420	295	400	336.7
MSTV(S/I) 120-2-1	30	993	660	1653	420	295	400	336.8
MSTV(S/I) 120-2	37	993	660	1653	420	295	400	349.9
MSTV(S/I) 120-3-1	45	1152	690	1842	470	325	450	418.0
MSTV(S/I) 120-3	55	1178	770	1948	510	355	550	533.4
MSTV(S/I) 120-4-1	75	1334	845	2179	580	410	550	706.0
MSTV(S/I) 120-5-2	75	1489	845	2334	580	410	550	716.0



## MSTV, MSTV(S/I) 150

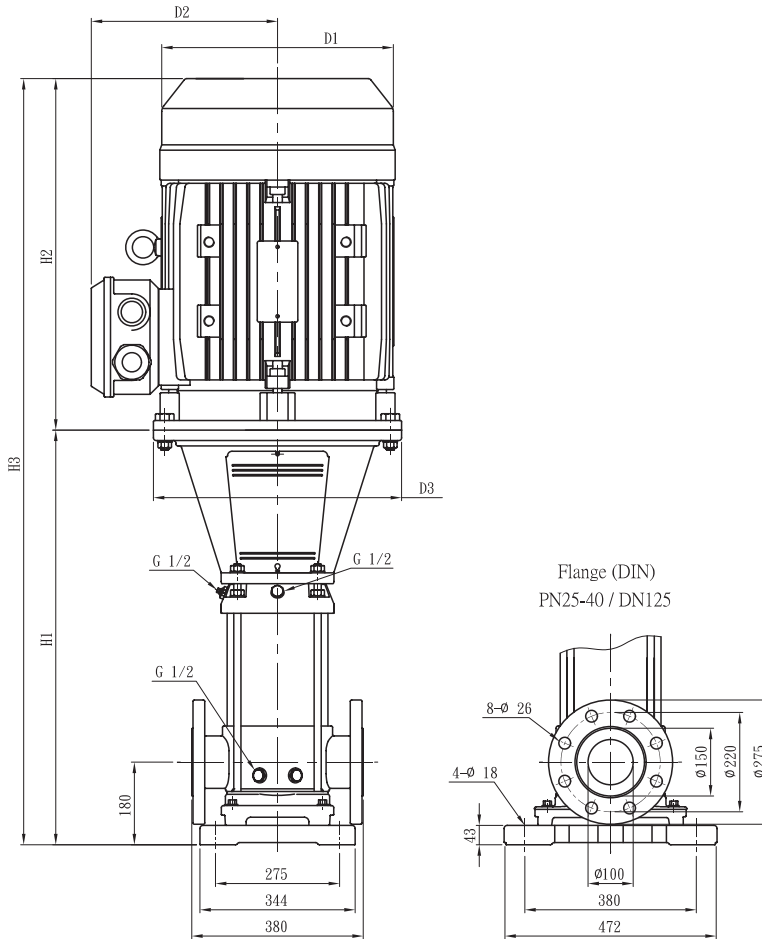


## Dimensions and weights – MSTV 150



Pump type	Motor P <sub>2</sub> [kW]	MSTV Dimension [mm]						Net weight [kg] DIN flange
		DIN flange			D1	D2	D3	
	H1	H2	H3					
MSTV 150-1-1	18.5	834	550	1384	318	245	350	235.0
MSTV 150-1	22	834	580	1414	358	265	350	277.8
MSTV 150-2-2	30	990	660	1650	420	295	400	352.4
MSTV 150-2-1	37	990	660	1650	420	295	400	365.4
MSTV 150-2	45	994	690	1684	470	325	450	423.5
MSTV 150-3-2	55	1175	770	1945	510	355	550	548.7
MSTV 150-3	75	1175	845	2020	580	410	550	711.2
MSTV 150-4-2	75	1331	845	2176	580	410	550	721.2

## Dimensions and weights – MSTV(S/I) 150



Pump type	Motor	MSTV(S/I)						
		Dimension[mm]						Net weight [kg]
	P <sub>2</sub> [kW]	DIN flange			D1	D2	D3	
		H1	H2	H3				
MSTV(S/I) 150-1-1	18.5	837	550	1387	318	245	350	218.7
MSTV(S/I) 150-1	22	837	580	1417	358	265	350	261.7
MSTV(S/I) 150-2-2	30	992.5	660	1652.5	420	295	400	336.1
MSTV(S/I) 150-2-1	37	992.5	660	1652.5	420	295	400	349.1
MSTV(S/I) 150-2	45	996.5	690	1686.5	470	325	450	407.3
MSTV(S/I) 150-3-2	55	1178	770	1948.0	510	355	550	532.5
MSTV(S/I) 150-3	75	1178	845	2023	580	410	550	695.1
MSTV(S/I) 150-4-2	75	1333.5	845	2178.5	580	410	550	704.2

如蒙洽詢，請參閱下表告知設備需求，以利選擇

泵浦標準規格書 Pump Specifications		數量需求： Require：		台 Sets	
馬達規格 Motor	頻率 Frequency	<input type="checkbox"/> 50Hz <input type="checkbox"/> 60Hz		電壓 Voltages	V
	馬力 Power	<input type="checkbox"/> ___HP <input type="checkbox"/> ___Kw		級數 Phase	P
	啟動方式 Motor Starting	<input type="checkbox"/> 直接啟動 <input type="checkbox"/> Y-△啟動			
泵浦規格 Pump	出入口徑 Discharge	<input type="checkbox"/> ___inch <input type="checkbox"/> ___mm			
	流量 Capacity	<input type="checkbox"/> ___L/min <input type="checkbox"/> ___m³/hr <input type="checkbox"/> ___GPM			
	揚程 Head	<input type="checkbox"/> ___m <input type="checkbox"/> ___kg/cm² <input type="checkbox"/> ___ft			
液體 Application	輸送液體 Liquid：_____				
	入口壓力 Inlet Pressures：_____ bar				
	溫度 Temp.	°C	比重 Gravity	PH 值	
	黏度 Viscosity	cP	濃度 Concentration	%	
材質 Material	泵頭 Pump Head	<input type="checkbox"/> FC <input type="checkbox"/> SCS13 <input type="checkbox"/> SCS14 <input type="checkbox"/> 其他_____			
	葉輪 Impeller	<input type="checkbox"/> SUS304 <input type="checkbox"/> SUS316 <input type="checkbox"/> 其他_____			
	心軸 Shaft	<input type="checkbox"/> SUS410 <input type="checkbox"/> SUS304 <input type="checkbox"/> SUS316 <input type="checkbox"/> 其他_____			
	底座 Base	<input type="checkbox"/> SS41 <input type="checkbox"/> FC <input type="checkbox"/> 其他_____			
備註 NOTE					

# 備忘錄 MEMO



A series of horizontal dashed lines for writing a memo.



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製造銷售：沉水泵、工業用泵、氣動隔膜泵、油泵、馬達、減速機