

Stainless Steel Vertical Multistage Pump — SVM(T)15

Applications

- Water supply
- Industry pressure boosting
- Industry liquid transfer
- Water treatment
- Irrigation

Motor

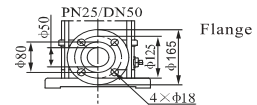
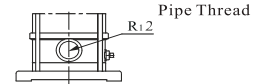
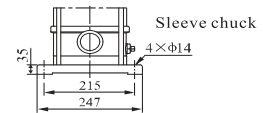
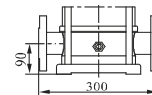
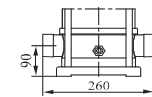
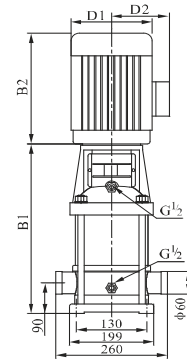
- Totally enclosed, air-cooled secondary standard motor
- Degree of protection: IP 55
- Insulation class: F
- Standard voltage: 1x220-230/240V (50Hz)
 - 3x200-220/346-380V
 - 3x220-240/380-415V
 - 3x220-255/380-440V
- Other voltage of the motor is available on request.
- Single phase motors from 0.37kW-2.2kW are available on request

Operation conditions

- Thin, clean, non-flammable and explosive and not containing solid particles or fibers liquid.
- Liquid Temperature:
 - Normal temperature: +15°C~+70°C
 - Hot water: -15°C~+105°C
- Environment Temperature: Max. 40°C
- Altitude: Max. 1000m

Material

- Inlet & outlet chamber: Cast iron/Stainless steel (304/316)
- Impeller: Stainless steel (304/316)
- Shell: Stainless steel (304/316)
- Shaft: Stainless steel (304/316)
- Coupling: Ductile iron
- Bearing: Tungsten carbide
- Mechanical seal: Tungsten Carbide / Graphite

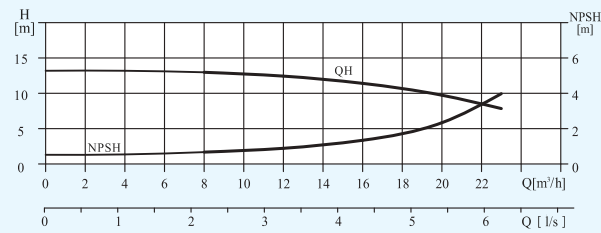
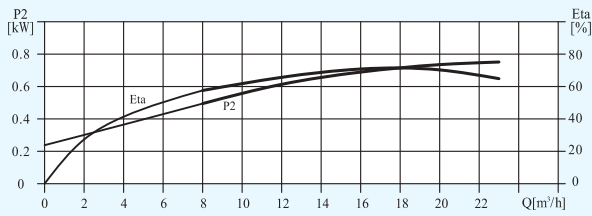
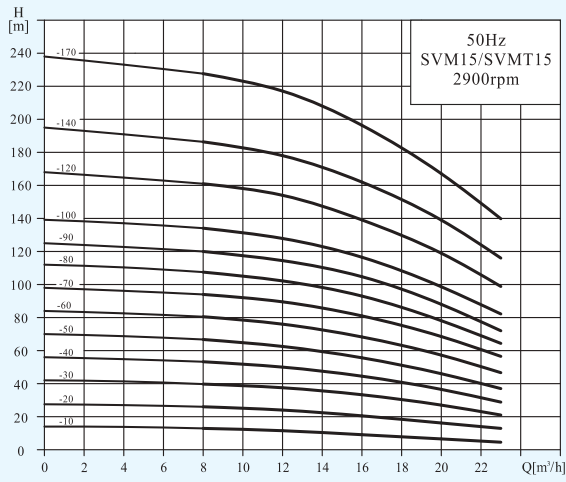


Performance Table

Model	Associated motor(kW)	Q (m ³ /h)	H (m)									
			8	10	12	14	15	16	18	20	23	
SVM15-10	1.1		13	12	11.5	10.5	10	9	7.5	6	4.5	
SVM15-20	2.2		26	25	24	23	22	20.5	18	16	13	
SVM15-30	3.0		39.5	38.5	37.5	35.5	34.5	33.5	30.5	27	21	
SVM15-40	4.0		53	51.5	50	47.5	46	44.5	41	36.5	29	
SVM15-50	4.0		67	64.5	62.5	60	58	55.5	52	46	37	
SVM15-60	5.5		80.5	78	76	73	70.5	68	63.5	57	46.5	
SVM15-70	5.5		94	92	89.5	86	83.5	81	75.5	68.5	56.5	
SVM15-80	7.5		107.5	106	102.5	98.5	96	93	86.5	78	64.5	
SVM15-90	7.5		120	118	114.5	110	107	105	97	88	72	
SVM15-100	11		134	132	128	123	120	116.5	108.5	98.5	82.5	
SVM15-120	11		161	158	154	148	144	139	130	119	99	
SVM15-140	11		186	183	178	172	167	162	152	139	116	
SVM15-170	15		227	224	217	210	203	196	185	167	140	

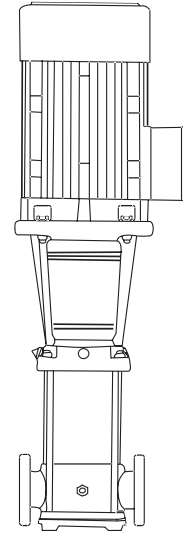
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Performance Curves

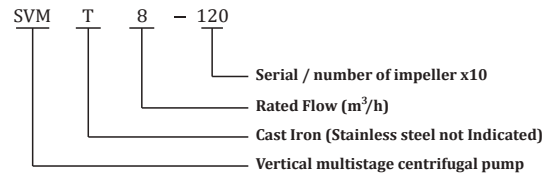


Model Description

SVM(T)1/2/3/4/5/8/10/12/15/16/20



SVM/SVMT

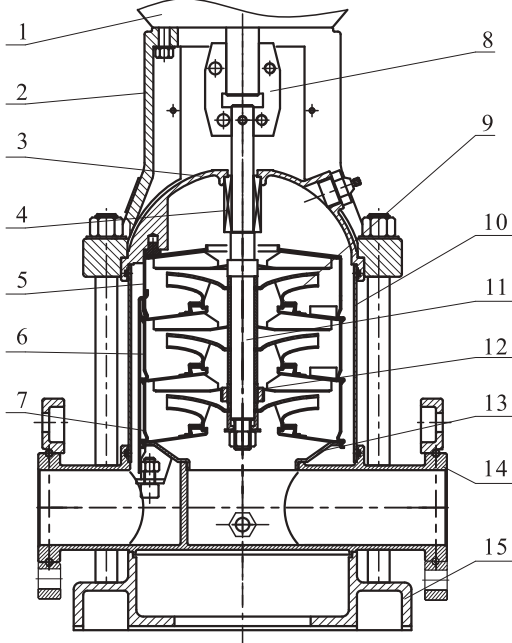


Dimension & Weight

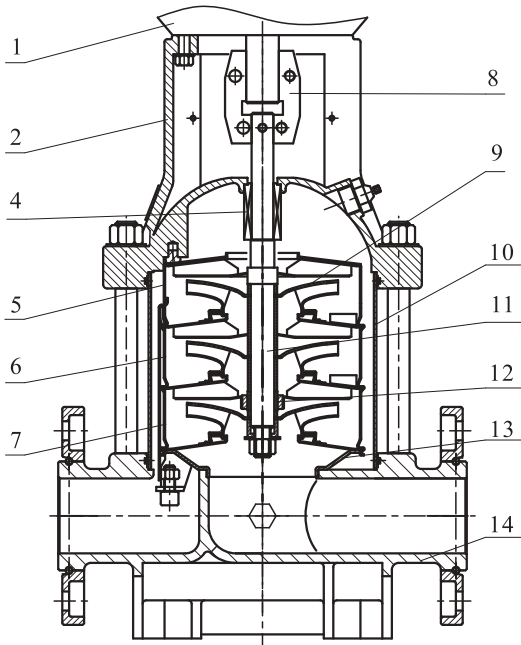
Model	Size (mm)					Net Weight (kg)
	B1	B2	B1+B2	D1	D2	
SVM15-10	352	245	597	170	142	33
SVM15-20	397	290	687	190	155	42
SVM15-30	452	345	797	197	165	50
SVM15-40	497	355	852	230	185	59
SVM15-50	542	355	897	230	185	60
SVM15-60	607	390	997	260	210	77
SVM15-70	652	390	1042	260	210	78
SVM15-80	697	390	1087	260	210	86
SVM15-90	742	390	1132	260	210	87
SVM15-100	875	500	1375	330	255	160
SVM15-120	965	500	1465	330	255	161
SVM15-140	1055	500	1555	330	255	162
SDL15-170	1190	500	1690	330	255	179

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Structure chart: SVM(T)8/10/12/15/16/20



SVM



SVMT

Material:SVM(T)8/10/12/15/16/20

No	Description	Material	AISI/ASTM
1	Motor	Assembling unit	
2	Support	Cast Iron/ Ductile iron	ASTM25B ASTM70-50-05
4	Mechanical seal	Assembling unit	
5	Outlet guide vane	Stainless Steel	AISI304
6	Guide vane	Stainless Steel	AISI304
7	Support guide vane	Stainless Steel	AISI304
8	Coupling	Ductile iron	ASTM70-50-05
9	Impeller	Stainless Steel	AISI304
10	Shell	Stainless Steel	AISI304
11	Pump Shaft	Stainless Steel	AISI304 AISI316L
12	Bearing	Tungsten Carbide	
13	Inlet guide vane	Stainless Steel	AISI304
SVM			
3	seal seat	Stainless Steel	AISI304
14	Inlet &outlet seat	Stainless Steel	AISI304
15	Seat	Cast Iron	ASTM25B
SVMT			
14	Inlet &outlet seat	Cast Iron	ASTM25B