VERTICAL MULTISTAGE CENTRIFUGAL PUMP

C A T A L O G U E

60Hz

G PUMP

INNOVATIVE DESIGN By EUROPE TECHNOLOGY

www.gpump-intl.com

OHSMS ISO14001 ISO9001

SVM

VERTICAL MULTISTAGE CENTRIFUGAL PUMP — 60Hz — SVM(T)

Specification

Key parameter	SVM1	SVM2	SVM3	SVM4	SVM5	SVM8	SVM10	SVM12	SVM15	SVM16	SVM20	SVM32	SVM45	SVM64	SVM90	SVM120	SVM150	SVM200
Rated Flow[m³/h]	1	2	3	4	5	8	10	12	15	16	20	32	45	64	90	120	150	200
Rated Flow[l/s]	0.28	0.56	0.83	1.1	1.4	2.2	2.8	3.3	4.1	4.4	5.6	8.9	12. 5	17. 8	25	33	41.6	55.6
Flow Range[m³/h]	0.6-2	1-4.5	1.5-5	2-5-8	3-8.5	7-14	7-15	7-19	9-26	10-26	12-34	20-48	30-65	40-100	60-130	60-160	80-180	100-240
Flow Range[l/s]	0.17-0.56	0.28-1.25	0.42-1.4	0-7-2-2	0.8-2.3	1.9-3.9	1.9-4.1	1.9-5.3	2.5-7.2	2.8-7.2	3.3-9.4	5.5-13.3	8.3-18	11.1-27.7	16.7-36.1	16.7-44.4	22-50	27.8-66.7
Max. Pressure[bar]	22	23.5	23	21	23	20	25	25	24	20	20	25	26	18	15	15	14	15
Motor Capacity[kW]	0.37-3	0.55-4	0.37-4	0.75-5.5	0.55-7.5	0.75-11	1.5-11	1.1-15	1.5-18.5	2.2-18.5	2.2-18.5	3-30	5.5-45	7.5-45	11-45	18.5-75	15-75	30-110
Temp. Range[℃]	-15~105														-15~+105			
Max. Efficiency[%]	44	46	54	57	63	62	70	63	73	66	69	73	75	76	77	74	73	78
Flange	SVM Pipe connection type																	
	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Pipe Thread	R1$\frac{1}{4}$"	R1$\frac{1}{4}$"	R1$\frac{1}{4}$"	R1$\frac{1}{4}$"	R1$\frac{1}{4}$"	R2"	R2"	R2"	R2"	R2"	R2"							
PJE	DN32	DN32	DN32	DN32	DN32	DN50	DN50	DN50	DN50	DN50	DN50							
DIN Flange	SVMT Pipe connection type																	
	DN25	DN25	DN25	DN32	DN32	DN40	DN40	DN50	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150

Typical Application

- SVM, SVMT pump is vertical multistage centrifugal pump, the pipeline structure can ensure that the pump can be directly installed in the pipeline system which pipe diameters are the same and the outlet and inlet at the same level. This design of structure makes the connection from Pump to pipe more compact.
- SVM, SVMT pump have different specifications and different series, to meet the requirement of flow rate and pressure
- SVM(T) is a kind of multi-functional pump, can transfer not only water but also various industrial liquid medium, suitable for different temperature, flow rate and pressure range.
- SVMT suitable for non-corrosive liquids, SVM is suitable for mild corrosive liquid.
- Water supply: water filtering and conveying, water partition, net pressure boosting for high-rise buildings, hotels; industrial water pressure boosting.
- Industrial boosting: process water system, cleaning system, high-pressure washing system, fire-fighting system, car cleaning.
- Industrial liquid transportation: cooling and air conditioning system, boiler feed water system and temperature system, machine matching.
- Delivery: oil and alcohol, acid and alkali, ethylene glycol and coolant.
- Water treatment: UF, RO systems, distillation systems, separator, the swimming pool.
- Irrigation: Region irrigation, sprinkler irrigation, drip irrigation.

VERTICAL MULTISTAGE CENTRIFUGAL PUMP — 60Hz — SVM(T)

Model Description

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

SVM T 8 – 120

- 120: Series/number of impeller × 10
- 8: Rated Flow (m^3/h)
- T: Cast Iron(Stainless steel not Indicated)
- SVM: Vertical multistage centrifugal pump

SVM(T)32/45/64/90/120/200

SVM T 64 – 50 – 2

- 2: Quantity of Small Impellers
- 50: Series × 10
- 64: Rated Flow (m^3/h)
- T: Cast Iron(Stainless steel not Indicated)
- SVM: Vertical multistage centrifugal pump

SVM(T)200

SVM T 200 – 30 – A – B

- B: Small ImpellerB 1pc
- A: Small ImpellerA 1pc
- 30: Series × 10
- 200: Rated Flow (m^3/h)
- T: Cast Iron(Stainless steel not Indicated)
- SVM: Vertical multistage centrifugal pump

Operation conditions

- Thin, clean, non-flammable and non - explosive liquid containing no solid granules and fibers.
- Liquid Temperature:
  Normal temperature: +15℃~+70℃
  Hot water: -15℃~+105℃
- Ambient Temperature: up to +40℃
- Altitude: up to 1000m

Performance curve

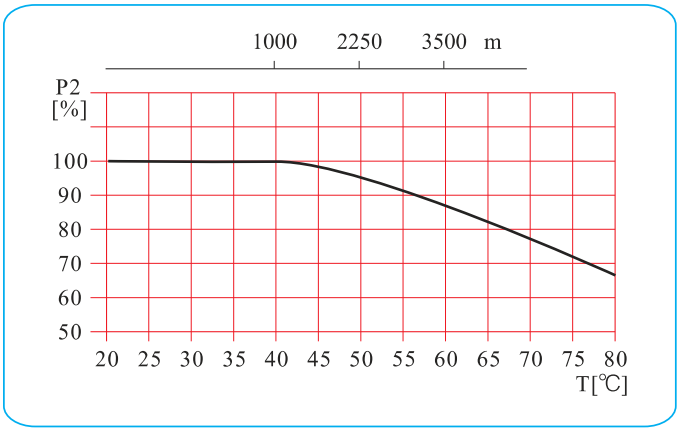
- All curve are based on the measured values of 60Hz: constant motor speed 3500 RPM or 3540 RPM.
- Curve tolerance in conformity with ISO9906.
- Test with 20℃ pure air - free water, kinematic viscosity of 1mm2/s.
- The operation of pump shall refer to the performance region indicated by the thickened curve to prevent over heating due to too small flow rate or overload of motor due to too large flow rate.

Max. Ambient temperature

- When pump works in the condition ambient Temperature > 40℃ or altitude > 1000m, the output of motor P2 will be decreased to certain extent. If the pump is operated under the above sadi conditions, it should be equipped with motor of higher power.

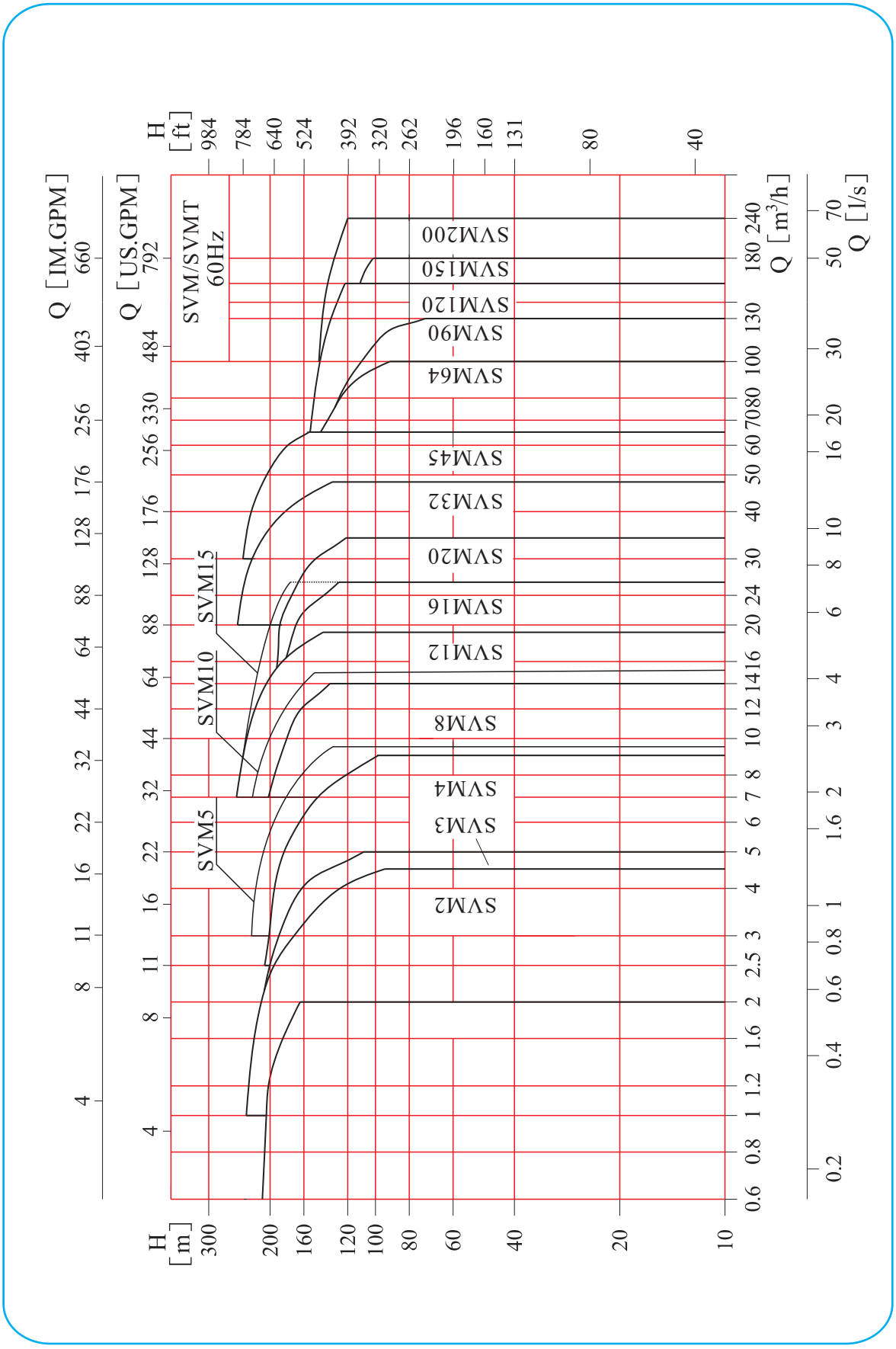
Motor

- Full - enclosed, air-blast two - pole standard motor
- Protection: IP 55
- Insulation class: F
- Standard voltage (60Hz): 3x200-230/346-400V
  3x220-255/380-440V
  3x220-277/380-480V



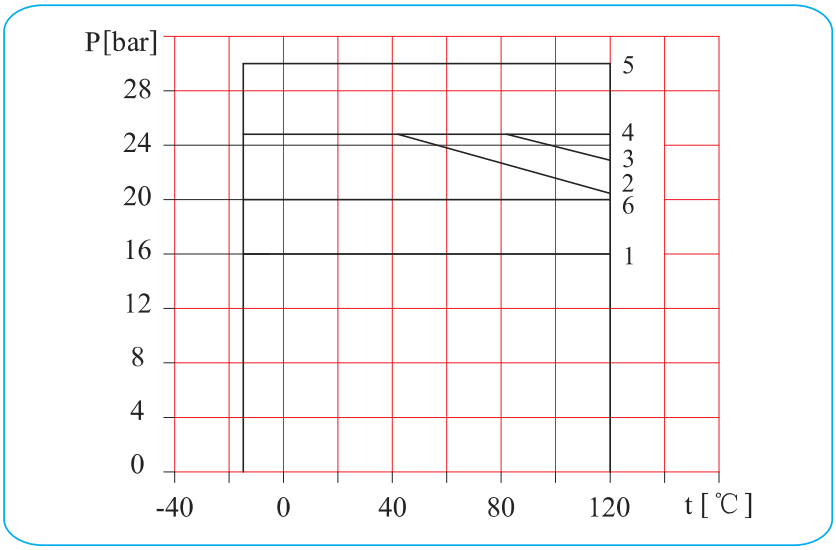
VERTICAL MULTISTAGE CENTRIFUGAL PUMP — 60Hz — SVM(T)

Performance Range



Max. Working pressure

- **Below picture showing the limit of pressure and temperature, Pressure and temperature shall be in the range of showing.**



Model	Curve number
SVMT 1,2,3,4,5 Flange	2
SVMT 1,2,3,4,5 Oval Flange	1
SVM 1,2,3,4,5	2
SVMT 8,10,12,15,16,20 Flange	3
SVMT 8,10,12,15,16,20 Oval Flange	1
SVM 8,10,12,15,16,20	3
SVM,SVMT 32	
32-10-1～32-50-2 32-50～32-90-2 32-90～32-100-2	1 4 5
SVM,SVMT 45	
45-10-1～45-30 45-40-2～45-60 45-70-2～45-70	1 4 5
SVM,SVMT 64	
64-10-1～64-30 64-40-2～64-50-2	1 4
SVM,SVMT 90	
90-10-1～90-30 90-40-2	1 4
SVM,SVMT 120,150,200	6

G PUMP

G PUMP