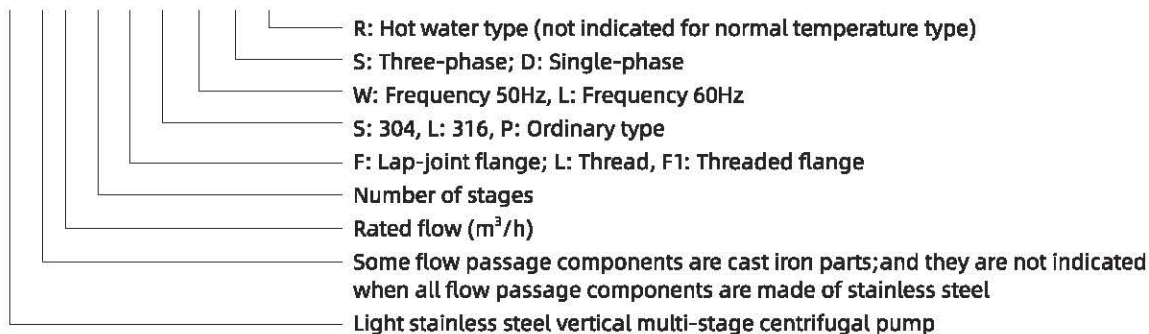


## Model Instruction

AV (T) 5 - 7 - F - S - W - S - R



## Overview Of The Product

AV/AVT series product is a kind of new-generation high-efficiency non-self-priming vertical multi-stage centrifugal pump newly self-developed by reference to European standards. By adopting brand-new industrial design, the energy efficiency Index MEI of the product reaches 0.7 and above; the product adopts a good hydraulic model and advanced manufacturing process, flow passage components of the pump body are formed by stamping and welding of high-quality 304 stainless steel, and the shaft seal adopts hard alloy and fluororubber mechanical seal. The product can deliver a variety of media from tap water to industrial liquid, and is applicable to different ranges of temperature, flow, and pressure; the whole machine is compact in structure, low in noise, and small in volume, with significant energy-saving effects.

## Applications Fields

- ⊙ Pressurized water supply: Water delivery for filtration in water plants, pressurization of main pipe networks, water supply for high-rise buildings, and fire water supply
- ⊙ Water treatment system: Ultrafiltration system, reverse osmosis system, distillation system, separator, and swimming pool water treatment system
- ⊙ Industrial pressurization: High-pressure washing system, cleaning system, and process water system
- ⊙ Delivery of industrial liquids: Cooling and air conditioning system, boiler water supply and condensing system, and lathe supporting system
- ⊙ Irrigation: Farmland irrigation, spray irrigation, and trickle irrigation

## Service Conditions

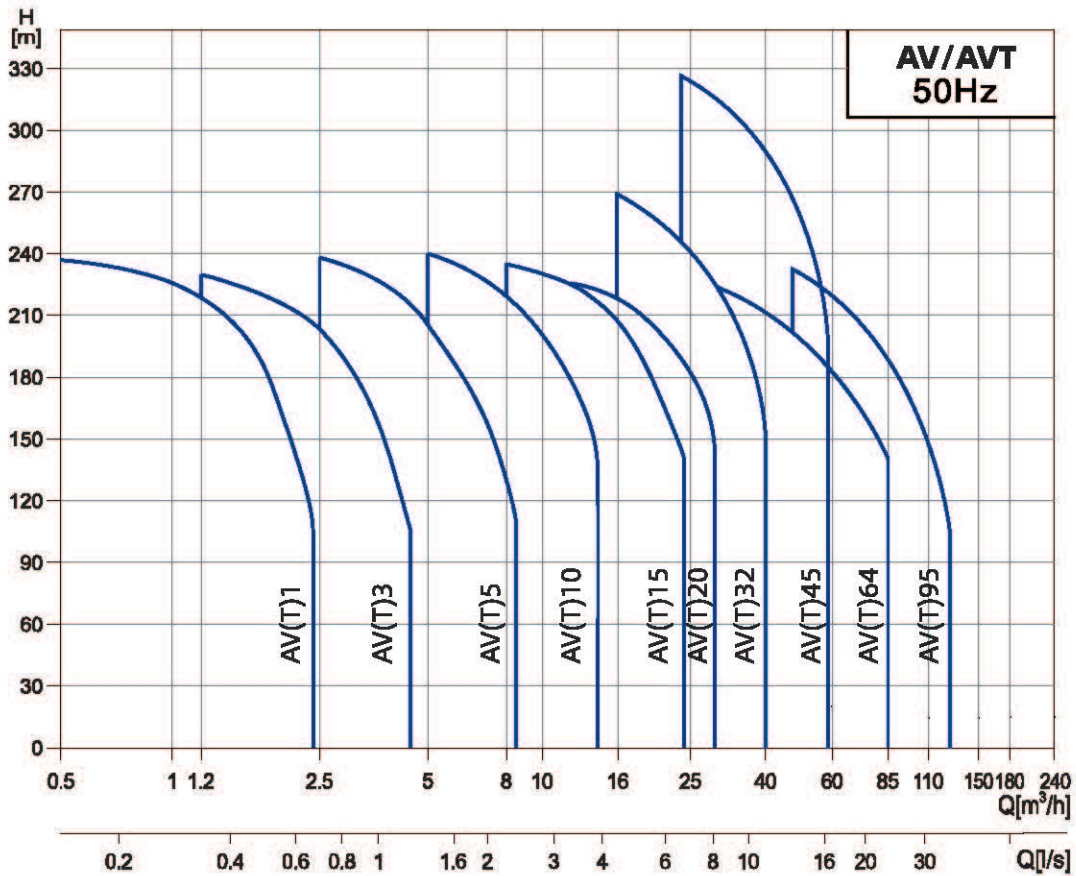
- ⊙ Thin and clean liquid not containing solid particles of fiber
- ⊙ The product can be applied to deliver the slightly corrosive medium
- ⊙ Medium temperature: Normal temperature type: 0°C ~ +68°C, hot water type: 0°C ~ +120°C
- ⊙ Ambient temperature: -15°C ~ +40°C
- ⊙ Maximum ambient pressure: 1.0MPa
- ⊙ When the density or viscosity of the delivered medium is greater than that of water, contact company personnel for selection

## Selection of Motor

**Fully-enclosed IE3 air-cooled standard motor NSK or SKF bearing**

- ⊙ Protection class: IP55
- ⊙ Insulation class: F
- ⊙ Working mode: S1
- ⊙ Voltage level: 220V/50Hz, 380V/50Hz

## AV(T) Performance Curve



Model	Rated Flow (m³/h)	Flow Range (m³/h)	Max. Pressure (bar)	Motor Power (kW)	Max. Efficiency (%)	Temperature Range (°C)	Flange Pressure	Flange	Pipe Thread
AV(T)1	1	0.5~2.4	24	0.37~2.2	48	Normal temperature type: 0°C ~68°C Hot water type: 0°C ~120°C	PN25	DN25	R <sub>2</sub> 1¼
AV(T)3	3	1.2~4.4	23	0.37~3	58		PN25	DN25	R <sub>2</sub> 1¼
AV(T)5	5	2.5~8.5	24	0.37~5.5	70		PN25	DN32	R <sub>2</sub> 1¼
AV(T)10	10	5~14	24	0.75~11	72		PN25	DN40	R <sub>c</sub> 2
AV(T)15	15	8~24	24	1.1~15	73		PN25	DN50	R <sub>c</sub> 2
AV(T)20	20	10~29	23	1.1~18.5	73		PN25	DN50	R <sub>c</sub> 2
AV(T)32	32	16~40	25	1.5~30	78		PN25(40)	DN65	/
AV(T)45	45	22~58	25	3~45	79		PN25(40)	DN80	/
AV(T)64	64	30~85	25	4~45	80		PN16(25/40)	DN100	/
AV(T)95	95	48~124	25	5.5~55	81		PN16(25/40)	DN100	/

※ For detailed specifications, please refer to the AV(T) brochure.