



# **Vertical In-line Single Stage** Centrifugal Pump

**MCKARLEN**



# THE **RIGHT SOLUTION** FOR COMMERCIAL BUILDING AND INDUSTRY

## Structure Designed

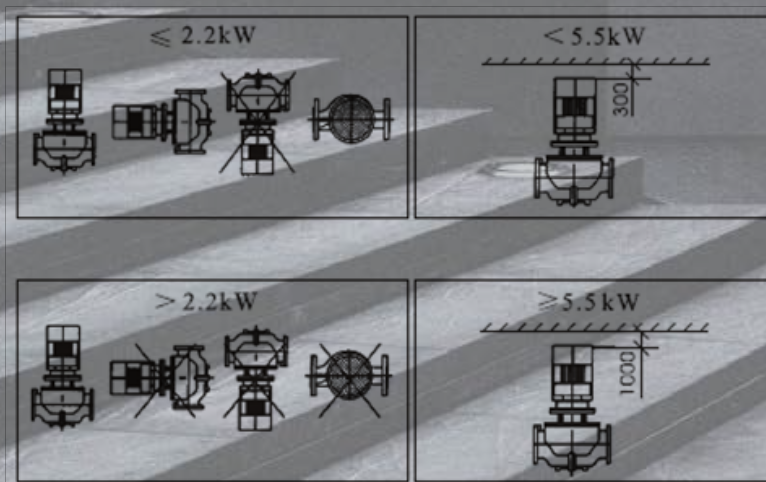
The VIS pumps are vertical inline single stage centrifugal pump, with built in bare pump and motor by factory.

The VIS pumps have vertical design construction fitted with motor on top, so they are easy to repair and can be pulled out from the top without effecting the piping system.

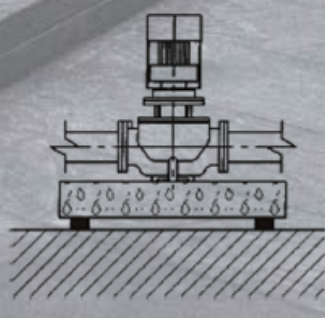
The flange connection dimensions are in conformity with related provisions: PN16 in ISO 7005-2/DIN 2501



## Installation



Installation with inertia block  
(weight = 1,5 x pump weight)  
to prevent noise & vibration





## Technical Data

### • Material

Pump body:	Cast Iron
Impeler:	Cast Iron (standard) / Bronze or Stainless Steel (option)
Pump Head:	Cast Iron
Mechanical seal:	Carbon/ Silicon carbide
Shaft:	Stainless steel
Coupling:	Cast Iron

### • Operational

Capacity:	5 M <sup>3</sup> /Hr to 1000M <sup>3</sup> /Hr
Head:	9 Bar
Inlet & outlet dia.:	32 mm to 300 mm
Working pressure:	PN 12 Bar (Standart)/ PN 16 Bar (Option)
Operasional speed:	50Hz, 1450 Rpm or 2900 Rpm 60Hz, 1750 Rpm or 3500 Rpm
Liquid:	Clean water, non corrosive, non flammable, non explosive
pH Liquid:	6 to 8
Temperature:	-15°C to 110°C

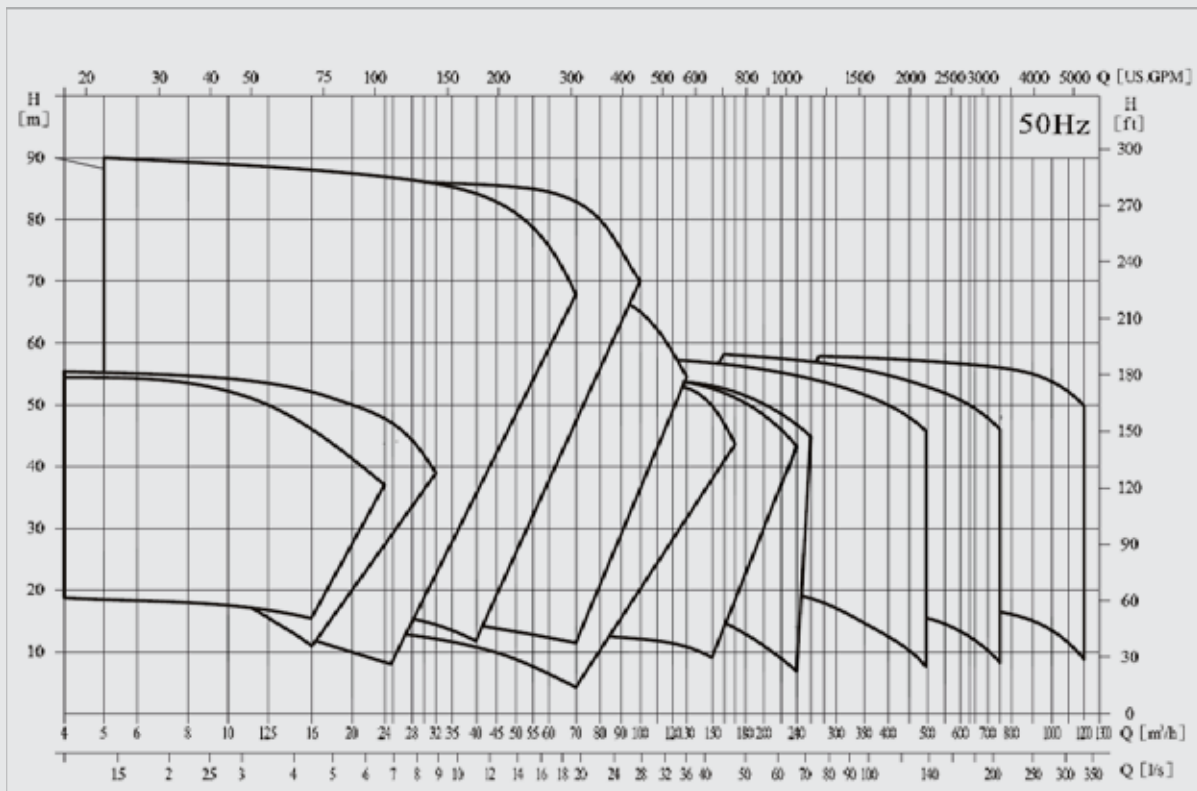
## Application

The VIS pump is applicable for central air conditioning system (chiller pump & cooling tower pump), water distribution, boiler feed water, condensate water, cooling and cutting lubrication also for industry (chemical, pharmaceutical & processing).

The liquid used in the pump should be cleaned, non corrosive, non flammable & non explosive which shall not contain any solid grain and fibre that might damage the mechanical seal and other components.



# Performance



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All specifications are subject to change without notice.