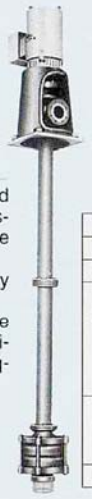
VERTICAL PUMPS

VWMS MODEL

- Industrial water transport
- City water transport

Vertical Multistage Volute Pump

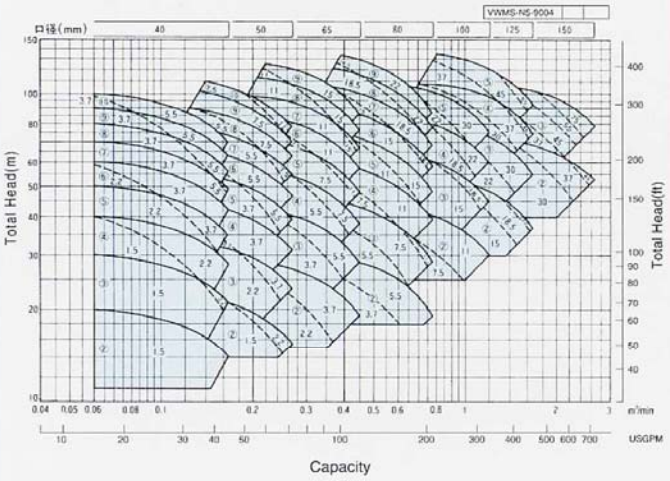


Main features

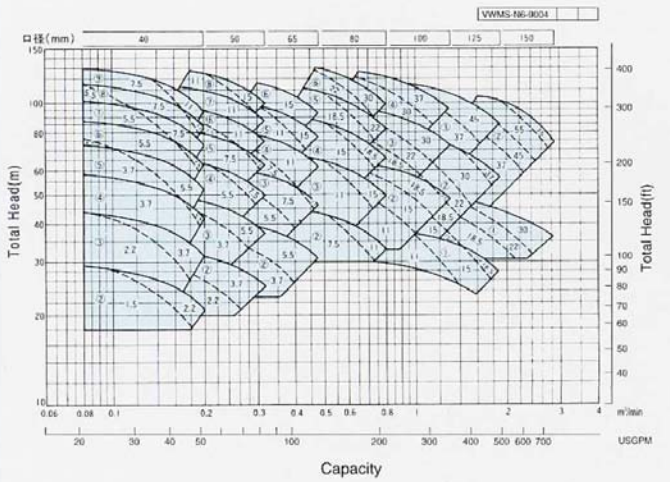
- High efficiency and over wide range is possible by double volute design.
- Axial thrust received by balance piston.
- Intermediate sleeve bearings are self-lubricated by pumping liquid..

Liquid handled		City water, industrial water
Temperature		0~80℃
Density		1000kg/m³
Construction	Impeller	Closed
	Shaft sealing	Gland packing
	Bearing	Upper section:Ball bearings(grease sealed) Intermediate and lower sections: Bearing metal (graphite)
Materials	Casing	FC200
	Impeller	CAC406/FC200/SCS13
	Shaft	SUS420J1
Flange		JIS10K

50Hz 4pole Impeller materials CAC406, FC200[Synchronous speed:1500min⁻¹]



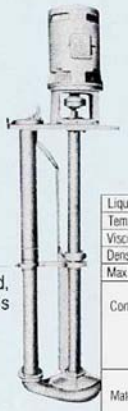
60Hz 4pole Impeller materials CAC406, FC200[Synchronous speed:1800min⁻¹]



VWS MODEL

- Cutting oil circulate
- Industrial waste water drain

Vertical Volute Pump

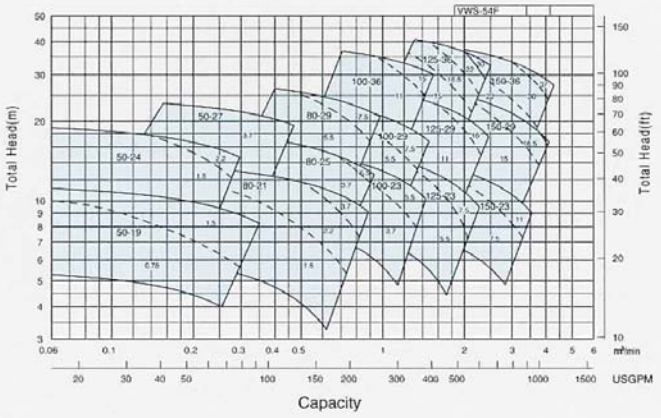


Main features

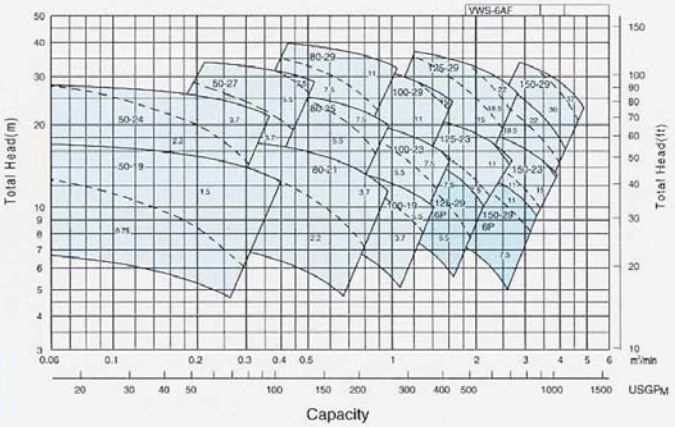
- Semi-open impeller is used, so can also handle liquids containing slurry.

Liquid handled		Cutting oil circulate, Waste water, process liquid, seawater
Temperature		0~90℃
Viscosity		40cSt and below
Density		1.0
Max working pressure		4.6kgf/cm²G (Frame number "36" is 5.3kgf/cm²G)
Construction	Impeller	Semi-open type
	Shaft sealing	Mechanical seal (FC200 type) Gland packing,
	Bearing	Upper section:Ball bearings(grease sealed) Intermediate and lower sections: Bearing metal
Materials	Casing	FC200/SCS14
	Impeller	FC200/SCS14
	Shaft	S35C/SUS420J/SUS316
Flange		JIS10K

50Hz 4pole[Synchronous speed:1500min⁻¹]



60Hz 4pole[Synchronous speed:1800min⁻¹]
6pole[Synchronous speed:1200min⁻¹]



Notes: 1. The selection chart is different for impeller material SCS13; please ask our sales office for information
2. The encircled numbers in the areas enclosed by unbroken lines indicate the numbers of stages, the humbers in the areas enclosed by broken lines indicate motor capacity in kw