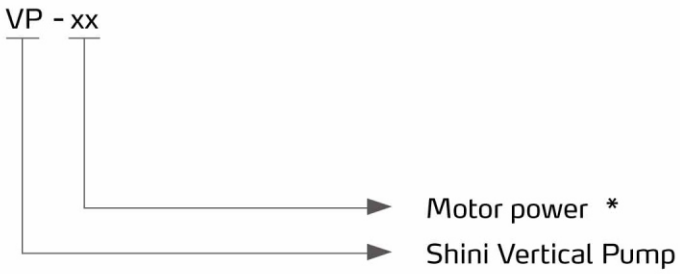
Vertical Pump

VP-55

Refer carefully to this manual before operation.

Coding Principle



Note: *
55=550W

Features

- Constant flow rate, high pressure and noise lower than 85dB.
- With simple appearance, has a quick access to dismantling and maintenance.
- Applicable to water and oil medium, with 95℃ and 160℃ respectively.

Application

It is mainly used in industrial recirculating water, construction water draining, agricultural irrigation and drainage and drinking water supply of residents.

Working Principle

Before starting pump, suction pipe and pump body should be full of liquid. Pump works and impeller rotates in a high speed. Liquids will be splashed out of impeller due to centrifugal force. Ejected liquids spray within pump shell and flowing speed lowers gradually as pressure escalates, finally, liquid flows out of pump through outlet pipe. Meanwhile, a low-pressure vacuum area comes into being in impeller center, liquid in pool then flows into pump through suction pipe due to atmospheric pressure. Being absorbed and discharged, liquids continues the circulation on and on.

VP Series

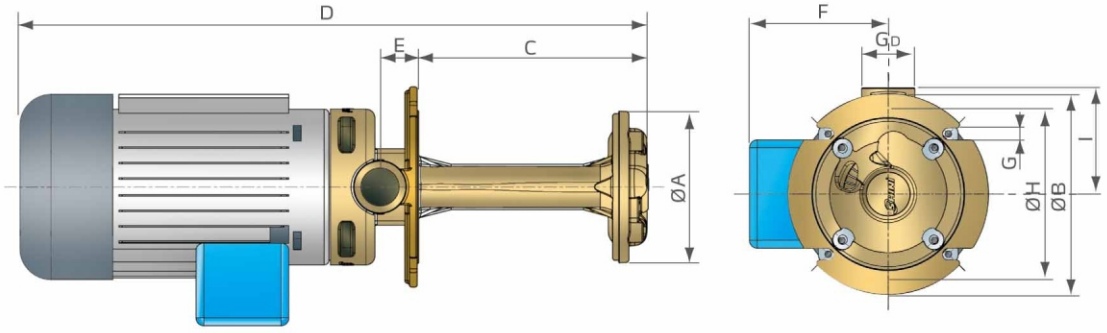
Performance Table

Model	50Hz / cycles / 2800r / min						60Hz / cycles / 3400r / min					
	Motor power/Max.flow rate/Max. head						Motor power/Max.flow rate/Max. head					
	kW	L / min	m	HP	U.S.GPM	feet	kW	L / min	m	HP	U.S.GPM	feet
VP-55	0.55	40.5	32.4	0.74	8.9	106	0.55	50.8	43	0.74	11.1	141

Model	G_D	Motor						G / W / P	
		50Hz / cycles			60Hz / cycles				
		kW	r / min	HP	kW	r / min	HP	kg	lbs
VP-55	G3/4	0.55	2800	0.74	0.55	3400	0.74	9	20

We reserve the right to change specifications without prior notice.

Outline Drawings



Model	A	B	C	D	E	F	G	H	I
VP-55	100	134	155	400	26	96	9	110	67

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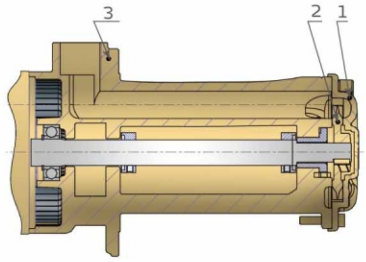
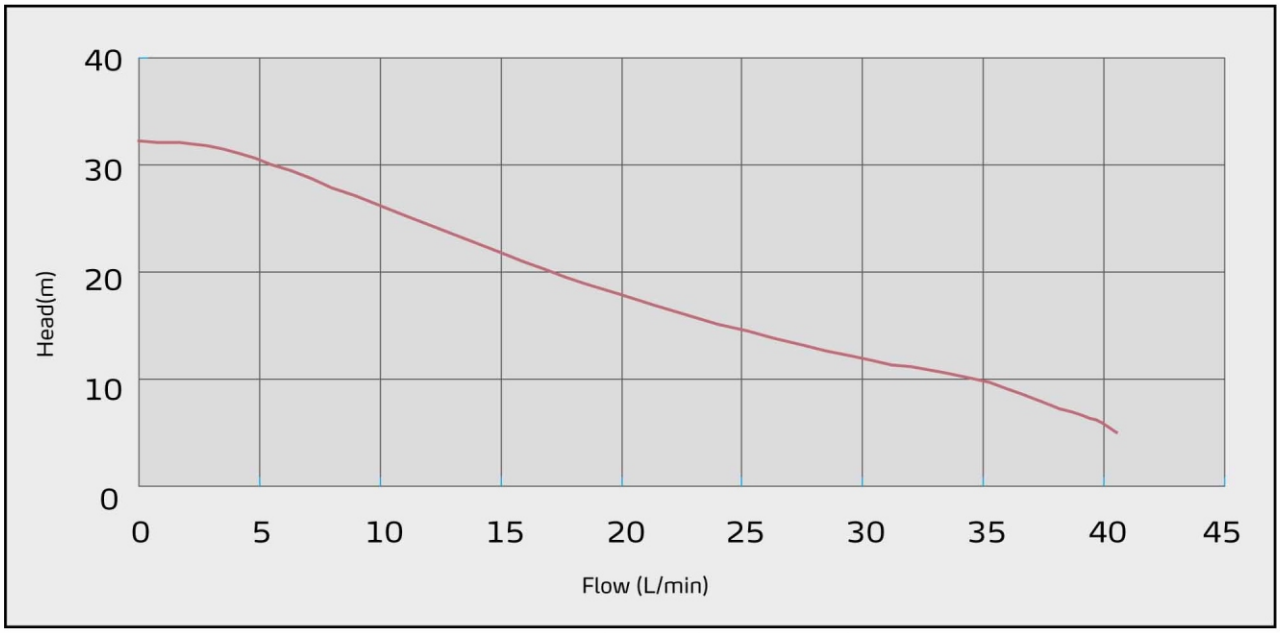


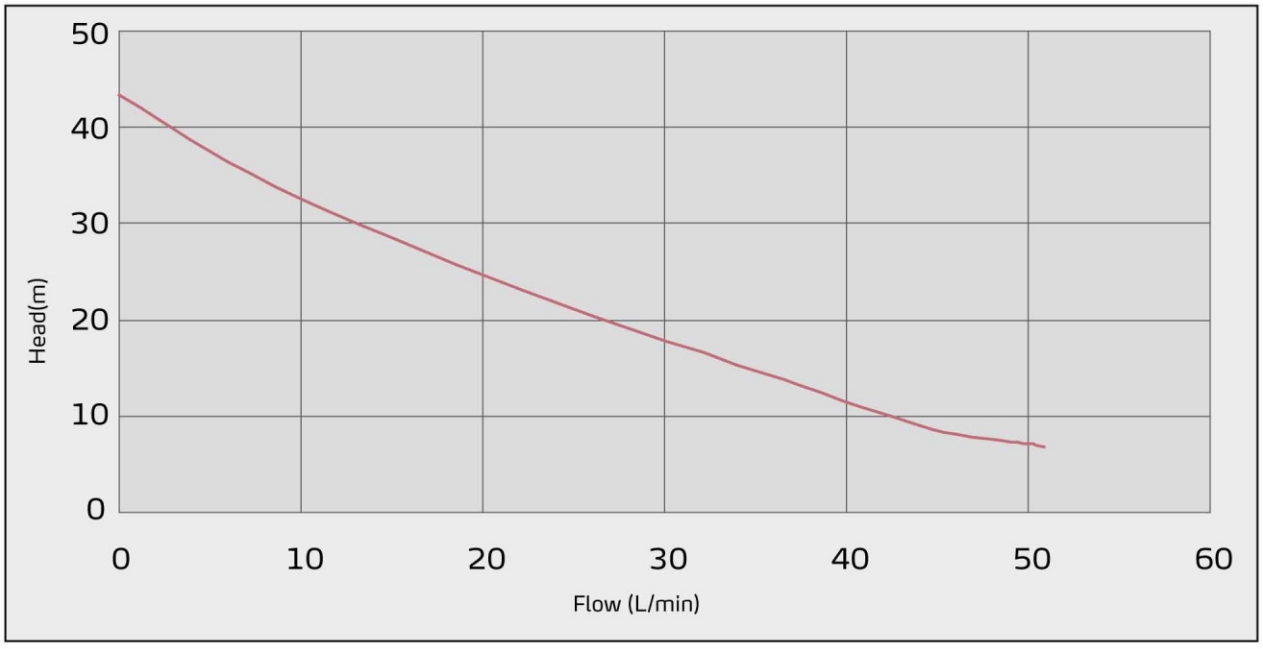
Cross Profile

Number	Name	Material
1	Pump Cover	GB T5231-2001 H62
2	Impeller	GB T5231-2001 H62
3	Pump body	GB T5231-2001 H62

Performance Curve



50Hz-cycles/2800r/min-rpm-tr/min

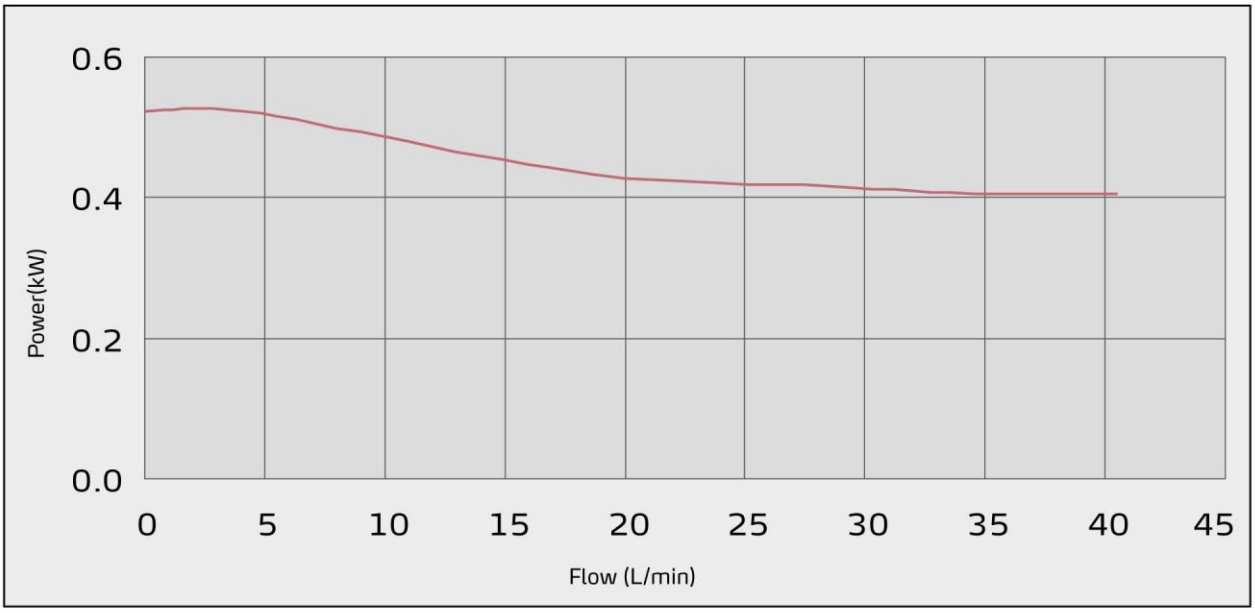


60Hz-cycles/3400r/min-rpm-tr/min

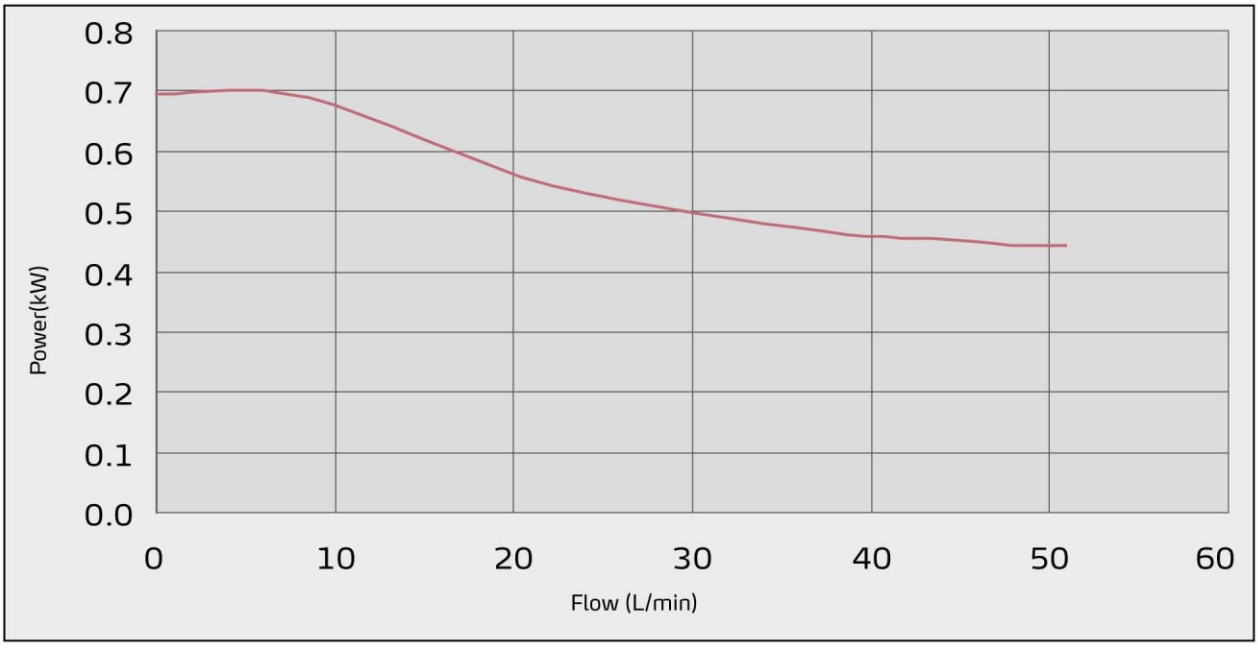
Test condition:

1, Performance curve is based on the regular flow when water is 20℃. Error of Head and flow rate is ±10%, performance error is ±10%.

2, Pump performance will vary due to different densities of flow medium.



50Hz-cycles/2800r/min-rpm-tr/min



60Hz-cycles/3400r/min-rpm-tr/min

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2, Pump performance will vary due to different densities of flow medium.

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