

## Horizontal Stainless Steel Deep Well Pumps

### PS Series

#### Applications

- Supplying water from a depth of 30 metres ideal for home, ship and plant uses
- Pumping clean water from well, river or lake
- Irrigation Systems
- Washing and Sprinkling
- Domestic & Industrial Applications



PS Series

#### Working Conditions

Transporting medium	Clean water from well, river or lake
Max working Pressure	8 kg/cm <sup>2</sup> g
Max ambient Temperature	+40°C
Working Temperature Range	-15°C ~ +40°C
Max Suction Head	26 ~ 30 m
Pump can be used at full load without overloading motor	

#### Materials of Construction

Casing, back cover, impeller & pump shaft	SS304
Mechanical Seal	NBR/Carbon/SiC
Sleeve sealing	NBR O-rings
Special mechanical seal	Available on request
Jet & Venturi	Glass filled engineering plastic
Foot Valve & injector housing	Cast Iron

#### Features

- CE approved
- High quality
- Performance ISO 2548 (20°C)
- High reliability
- Ease in operation
- Unique in design
- Energy efficient

#### Model Ordering Code Instructions

PS - 075 / 2.2 - D

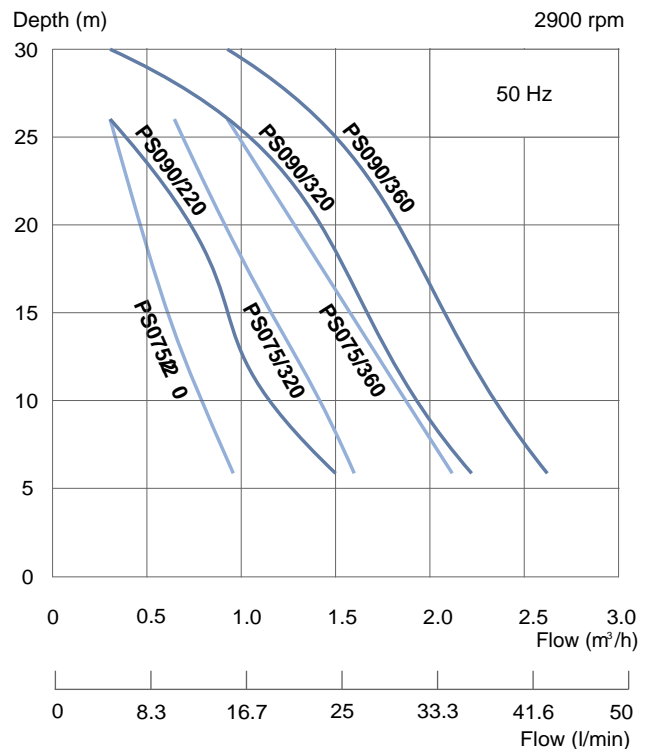
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<b>Series</b>	<b>Motor Power</b>	<b>Outlet Pressure</b>	<b>Phase</b>
PS - Horizontal Deep Well Pumps	075 - 0.75 kW 090 - 0.90 kW	2.2 - 2.2 kg/cm <sup>2</sup> 3.2 - 3.2 kg/cm <sup>2</sup> 3.6 - 3.6 kg/cm <sup>2</sup>	D - Single Blank - Three

#### Motor Specifications

Type	T.E.F.C - 2 Pole
Speed	2900 rpm
Frequency	50 Hz
Single Phase Voltage	220 V (±5%)
Three Phase Voltage	415 V (±5%)
Insulation Class	F / B
Protection Class	IP55 / IP54
Duty	Continuous
Motor Case	Aluminum alloy
Altitude	≥1000 m

#### Performance Curves

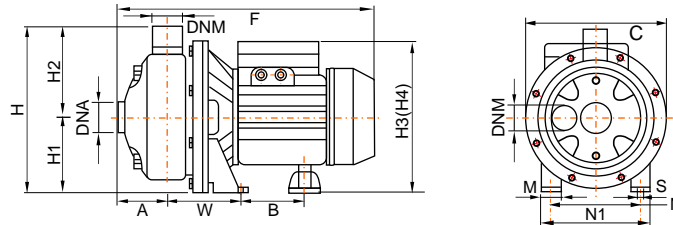




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### PS Series

#### Outline Diagram



#### Dimensions

Model	Dimensions (mm)															Weight Kg.	
	A	C	F	H	H1	H2	H3*	H4*	M	N	N1	S	W	B	DNA		DNM
PS075/2.2D	52	213	315	232	108	124	241	213	39	120	158	9	92	82	32(1¼")	25(1")	10
PS075/3.2D	52	213	315	232	108	124	241	213	39	120	158	9	92	82	32(1¼")	25(1")	10
PS075/3.6D	52	213	315	232	108	124	241	213	39	120	158	9	92	82	32(1¼")	25(1")	10
PS090/2.2D	52	213	315	232	108	124	241	213	39	120	158	9	92	82	32(1¼")	25(1")	11
PS090/3.2D	52	235	315	232	108	124	241	213	39	120	158	9	92	82	32(1¼")	25(1")	11
PS090/3.6D	52	213	315	232	108	124	241	213	39	120	158	9	92	82	32(1¼")	25(1")	11

NOTE: H3 : For Single Phase motor ; H4 : For Three Phase motor ; For 3 phase input voltage, remove (D) in Model code

#### Performance Data

Model		Power		Outlet Pressure kg/cm <sup>2</sup> g	Max. Suction Head (m)	Suction Size mm (inch)	Discharge Size mm (inch)	Depth of water						
Single Phase	Three Phase	kW	HP					m	6	10	15	20	26	30
220 V	415 V							Flow						
PS075/2.2D	PS075/2.2	0.75	1.0	2.2	26	32(1¼")	25(1")	m <sup>3</sup> /hr	2.10	1.86	1.61	1.32	0.90	-
PS075/3.2D	PS075/3.2	0.75	1.0	3.2	26	32(1¼")	25(1")		1.62	1.44	1.20	0.90	0.60	-
PS075/3.6D	PS075/3.6	0.75	1.0	3.6	26	32(1¼")	25(1")		0.96	0.78	0.60	0.48	0.30	-
Maximum Shut-off Pressure in kg/cm <sup>2</sup> g									<b>4.70</b>	<b>4.45</b>	<b>4.20</b>	<b>4.00</b>	<b>3.60</b>	-
PS090/2.2D	PS090/2.2	0.90	1.2	2.2	30	32(1¼")	25(1")	m <sup>3</sup> /hr	2.64	2.34	2.10	1.80	1.44	0.90
PS090/3.2D	PS090/3.2	0.90	1.2	3.2	30	32(1¼")	25(1")		2.16	1.92	1.68	1.20	0.90	0.30
PS090/3.6D	PS090/3.6	0.90	1.2	3.6	30	32(1¼")	25(1")		1.50	1.14	0.90	0.72	0.30	-
Maximum Shut-off Pressure in kg/cm <sup>2</sup> g									<b>5.10</b>	<b>4.80</b>	<b>4.50</b>	<b>4.20</b>	<b>3.80</b>	<b>3.40</b>

Water test temp: 20°C

Performance Limits: ISO2548

Std Class C pumps

Speed: 2900 rpm

# WATER MANAGEMENT SYSTEMS

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