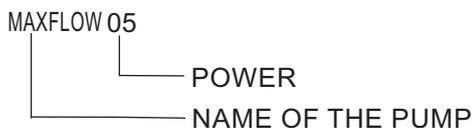




## MAXFLOW

### Regenerative top suction top delivery Pump set

#### Nomenclature



MODEL	POWER	
	HP	KW
05	0.5	0.37



#### PUMP

- Regenerative, self priming design.
- Suction lift 6.5m/ 21ft(At main sea level).
- For clear, cold, potable water.
- Carbon-Ceramic mechanical seal.
- Top suction/Top delivery.

#### MOTOR

- Capacitor start, induction run.
- Totally enclosed, fan cooled.
- Horizontal, surface, foot mounted.
- Single/Three phase, 400/420V, 50Hz.
- 2 pole/2800rpm, synchronous.
- Continuous duty, class S1.
- Insulation class, 'B', 70°C, maximum temperature rise.
- Thermally protected.

#### APPLICATIONS

- Residential Pumping, bungalows/ small houses/ multi storey buildings.
- Pressure boosting/ automatic Pumping systems.
- Gardening/ domestic sprinklers.
- Recirculation/ coolers, water curtains, waterfalls, fountains.

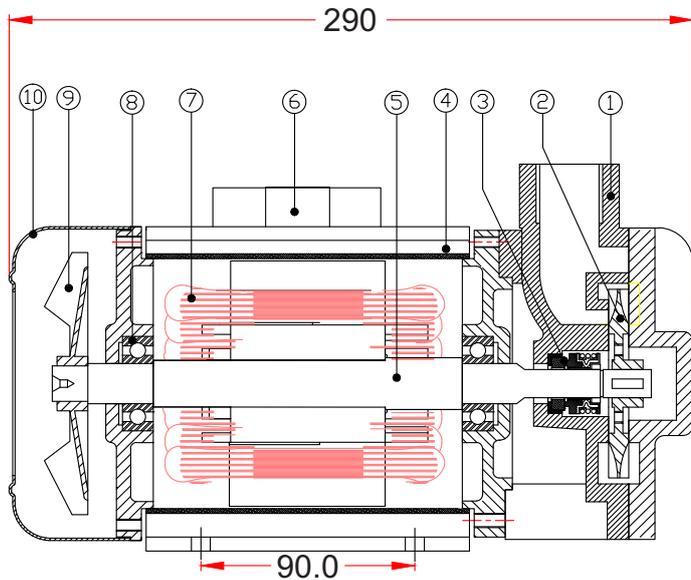
#### SPECIAL FEATURES

- No foot valve required/ no regular priming required.
- High tensile bronze impeller, wear resistant for longer life.
- Stainless steel shaft, to avoid corrosion.
- Compact but robust/ handy design for perfect portability.
- Suitable for domestic electric supply, plug & play type.
- High efficiency for lower power consumption.
- Anti-friction ball bearings are of 'SKF' make only, extra long, silent running.
- No special preventive maintenance required.

#### USAGE INSTRUCTIONS

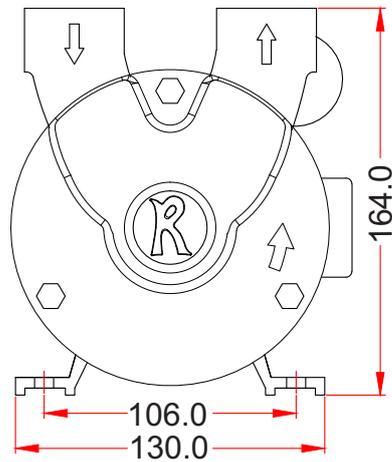
- Suitable for clean, clear, cold potable water only.
- Initial priming is required at the time of installation only.
- No contamination of abrasive particles/ chemically aggressive elements allowed.
- Max. ambient temperature 50°C, & max. temperature rise above ambient temperature allowed is 70°C.
- Shall be installed horizontally & shall be safe guarded from flooding & submergence.
- Provided with thermal overload protection relay, in case of tripping due to overload, Pump will restart automatically once recovered from overload.

## OVERVIEW

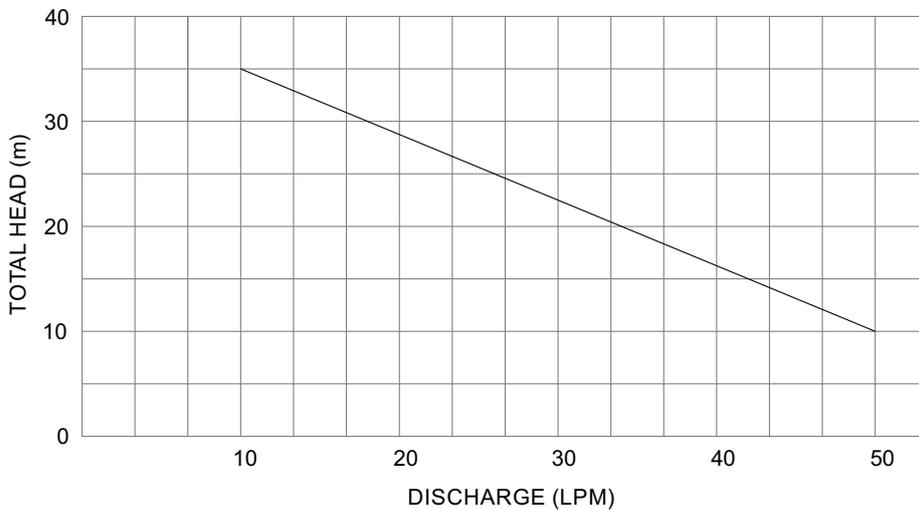


## MATERIAL OF CONSTRUCTION

S.NO	COMPONENTS
1.	PUMP CASING
2.	IMPELLER
3.	MECHANICAL SEAL
4.	MOTOR BODY
5.	SHAFT
6.	CAPACITOR
7.	WINDING
8.	BALL BEARINGS
9.	FAN
10.	FAN COVER



## PERFORMANCE CURVE



## PERFORMANCE TABLE

PUMP	POWER kW /HP	OUTPUT IN LPM	PERFORMANCE					
			TOTAL HEAD IN mtrs.					
			10	15	20	25	30	35
MAX FLOW	0.37 /0.5		50	43	34	27	18	10

VALUES ARE VALID FOR WATER AT 1KG/DM<sup>3</sup>AND VISCOSITY OF 1CST.



**RAJ PUMPS PVT. LTD.**

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