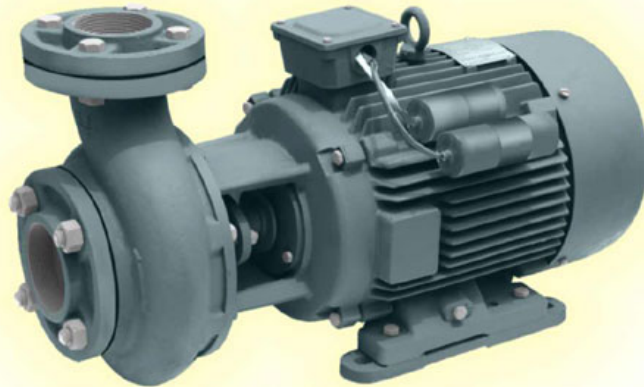




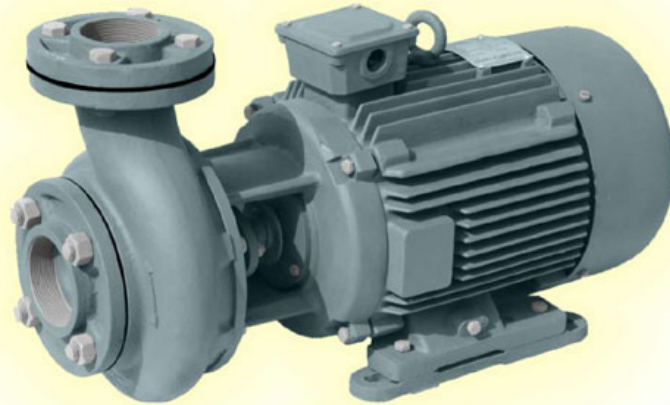
# OSWAL

*Ushering in Prosperity*

Agricultural & Industrial Range....



Single Phase



Three Phase

**MONOBLOCK PUMPS**  
(2880 RPM)





## MONOBLOCK PUMPS

**OSWAL** Centrifugal Monoblock pumpset are the products of the expertise of highly qualified technical team with a stage wise rigid inspection method under TQM concept. The volute chamber of **OSWAL** Centrifugal Monoblock pumps and impellers are well designed to provide the best possible hydraulic efficiency and suction lift characteristic. CNC & SPM's machinery and technology are employed in the manufacture of these pumps using best quality raw materials, well balanced impellers, seals and ball bearings to ensure long life. **OSWAL** Centrifugal Monoblock Pumps confirm to IS : 9079.

These pumps are powered by a totally enclosed fan cooled A.C induction motor, suitable for long hours duty. Motor stator is made of low watt loss steel laminations assembled under pressure and rigidly locked in the frame. Well balanced rotor ensures vibration and noise free operations. The varnish impregnated windings made of enamelled copper wire offer excellent resistance. Shaft is made of quality steel, precision ground of ample size for transmitting the rated Horsepower. All single-phase version upto 3.0 HP are incorporated with Thermal Over Load protector. These pumps require an adequate motor protection control panel.

Application of **OSWAL** Centrifugal Monoblock pumpset are for Hospitals, Water circulation systems, Water supply systems of Government, Irrigation, Farms & Drip & sprinkler irrigation, Gardening, Nurseries, Domestic water supply, Multi-storeyed Building, Industries & Hotels.

Salient Features of **OSWAL** Centrifugal Monoblock pumpset High operating efficiency resulting in lower power consumption, Good suction lift characteristics, Dynamically balanced rotating parts including rotor & impeller, Balanced and rigid construction, High working pressure & Designed for wide voltage fluctuations.  
CENTRIFUGAL MONOBLOCK PUMPS - 2880 RPM ( Single & Three Phase)

### Specification :

Details	2880 RPM
Power Range	0.5 HP to 3 HP - 1 Ph. 0.5 HP to 20 HP - 3 Ph.
Flow rate upto	2300 lpm.
Head range upto	82 mtr.
Suction lift upto	7 mtr.
Pump Size in inches	1x1, 1½x1, 1½x1½, 1½x1½, 2x1½, 2x2, 2½x2, 3x2½, 3x3, 4x3, 4x4.
Version	200-240V, A.C., 50 Hz - 1 Ph. Permanent Split capacitor CSR 0.5 HP to 7.5 HP - D.O.L. 10 HP TO 15 HP - S.D.
Degree of Protection	IP 44
Class of insulation	A/E/B/F
Type of Duty	S1 (Continuous)
Direction of Rotation	CW-Viewed from driving end

### Pumped Liquids

Clean, thin, non-aggressive, non-explosive, clear, cold, fresh water without abrasives, solid particle or fibres shall mean the water having the following characteristics.

Maximum Liquid Temperature	50°C (max.)
Permissible amount of sand	25 gm/m <sup>3</sup> (max.)
Chlorine ion density	500 ppm (max.)
Allowable solids	3000 ppm (max.)
Specific gravity	1.004 (max.)
Hardness (drinking water)	300 (max.)
Viscosity	1.75 x 10 <sup>6</sup> m <sup>2</sup> /sec (max.)
Turbidity	50 ppm silica scale (max.)
pH value	6.5 to 8.5.

### Material of Construction

Part Name	Material
Pump Casing	Cast Iron
Motor Frame	Alluminium / C.I.
Impeller	C.I.
Shaft	S.S. - 410 / E.N. 8
Sealing	Mechanical Seal (Carbon & Ceramic) Gland Rope

### Other Ranges :



Exclusively manufactured by :

## Oswal Pumps Ltd.

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