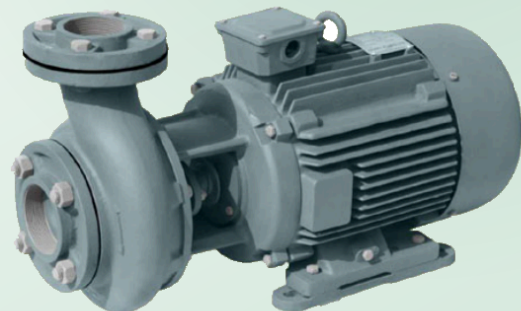
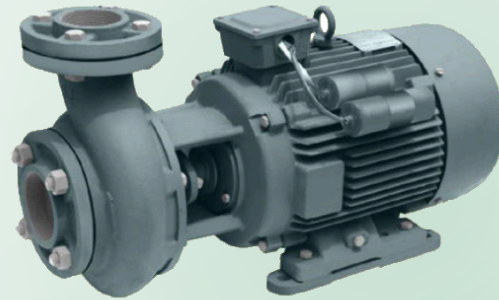


Oswal Monoblock Pumps 2880 rpm

Centrifugal monoblock pumpsets, single- and three-phase · agricultural & industrial range

AT A GLANCE

- High-speed 2880 rpm, 2-pole TEFC motor
- 0.5–3 HP single-phase · 0.5–20 HP three-phase
- Flow up to 2300 L/min
- Head up to 82 m · suction lift up to 7 m
- Pump sizes 1×1 to 4×4 inch
- Conforms to IS 9079



2880

Agricultural & industrial range

Ushering in prosperity · single & three phase

2880 rpm

2-pole motor

0.5–20 HP

power range

2300 L/min

max. flow

82 m

max. head

MANUFACTURED BY

Oswal Pumps Ltd.

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ISO 9001:2015

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CENTRIFUGAL MONOBLOCK PUMPS · 2880 RPM

Compact high-head monoblocks for farm, building and industry

Oswal centrifugal monoblock pumpsets are the product of a highly qualified technical team with stage-wise rigorous inspection under TQM concepts. Volute chambers and impellers are designed for the best possible hydraulic efficiency and suction lift. CNC and special-purpose machinery and the best raw materials, well-balanced impellers, seals and ball bearings ensure long life. Oswal centrifugal monoblock pumps conform to **IS 9079**.

The pumps are driven by a totally enclosed fan-cooled (TEFC) AC induction motor suitable for long hours of duty. The stator is built from low-watt-loss steel laminations assembled under pressure and rigidly locked in the frame; a well-balanced rotor ensures vibration- and noise-free operation, and varnish-impregnated windings of enamelled copper wire give excellent insulation resistance. The shaft is precision-ground quality steel, amply sized for the rated power. All single-phase versions up to 3 HP have a thermal overload protector; the pumps require an adequate motor-protection control panel.

Applications: hospitals, water-circulation systems, government water-supply schemes, irrigation, farms, drip and sprinkler irrigation, gardening, nurseries, domestic water supply, multi-storeyed buildings, industries and hotels.

High operating efficiency

Lower power consumption and good suction lift.

Dynamically balanced

Rotating parts including rotor and impeller are dynamically balanced for vibration- and noise-free running.

Rigid construction

Balanced, rigid construction for high working pressure.

Voltage tolerant

Designed for wide voltage fluctuations.

Specification

Details	2880 rpm · single & three phase
Power range	0.5–3 HP single-phase · 0.5–20 HP three-phase
Flow rate	up to 2300 L/min
Head range	up to 82 m
Suction lift	up to 7 m
Pump sizes (suction × delivery, inch)	1×1, 1¼×1, 1½×1¼, 1½×1½, 2×1½, 2×2, 2½×2, 3×2½, 3×3, 4×3, 4×4
Supply & starting	200–240 V AC 50 Hz single-phase — capacitor motor (printed “permanent split capacitor CSR”) 380–415 V AC 50 Hz three-phase — direct on line (DOL) 0.5–7.5 HP · star-delta (S.D.) 10–15 HP
Degree of protection	IP 44
Class of insulation	A / E / B / F
Type of duty	S1 (continuous)
Direction of rotation	Clockwise, viewed from the driving end

Red: added — the source gives only the single-phase supply line; the three-phase voltage is the standard Oswal 380–415 V rating (as in the 1440 rpm leaflet). Confirm with factory.

CONSTRUCTION

Materials and pumped liquid

Pumped liquid — clean, thin, cold, fresh, non-aggressive, non-explosive water without abrasives, solids or fibres

Max. liquid temperature **50 °C**

Permissible sand **25 g/m³**

Chloride-ion density **500 ppm max.**

Allowable solids **3000 ppm max.**

Specific gravity **1.004 max.**

Hardness (drinking water) **300 ppm max.**

Kinematic viscosity **$1.75 \times 10^{-6} \text{ m}^2/\text{s}$ max.**

Turbidity **50 ppm silica scale max.**

pH value **6.5–8.5**

Material of construction

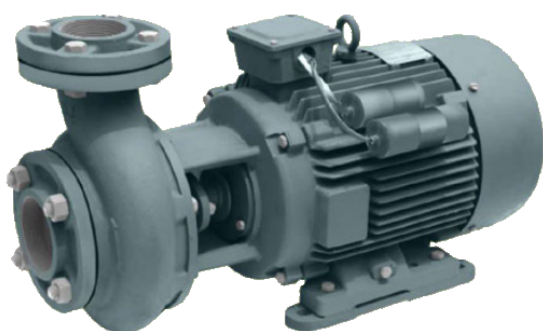
Pump casing **Cast iron**

Motor frame **Aluminium / C.I.**

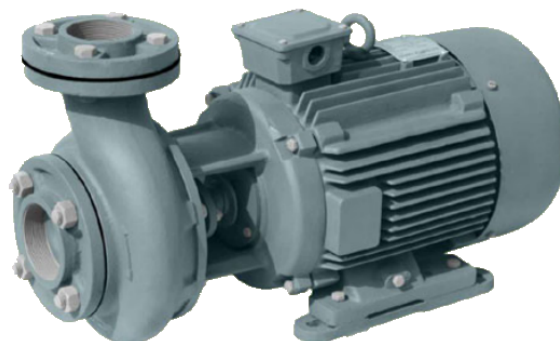
Impeller **C.I.**

Shaft **SS 410 / EN 8**

Sealing **Mechanical seal (carbon & ceramic) or gland rope**



MONOBLOCK PUMP · SINGLE PHASE



MONOBLOCK PUMP · THREE PHASE

Notes (as printed — confirm with factory): the single-phase motor is described as “permanent split capacitor CSR” — PSC and capacitor-start/run (CSR) are different motor types. Star-delta starting is given for 10–15 HP while the three-phase range runs to 20 HP; starting for 20 HP is not stated. Warranty as per our standard terms; the manufacturer reserves the right to change design and specification without prior notice.