

Oswal Pumps Ltd.



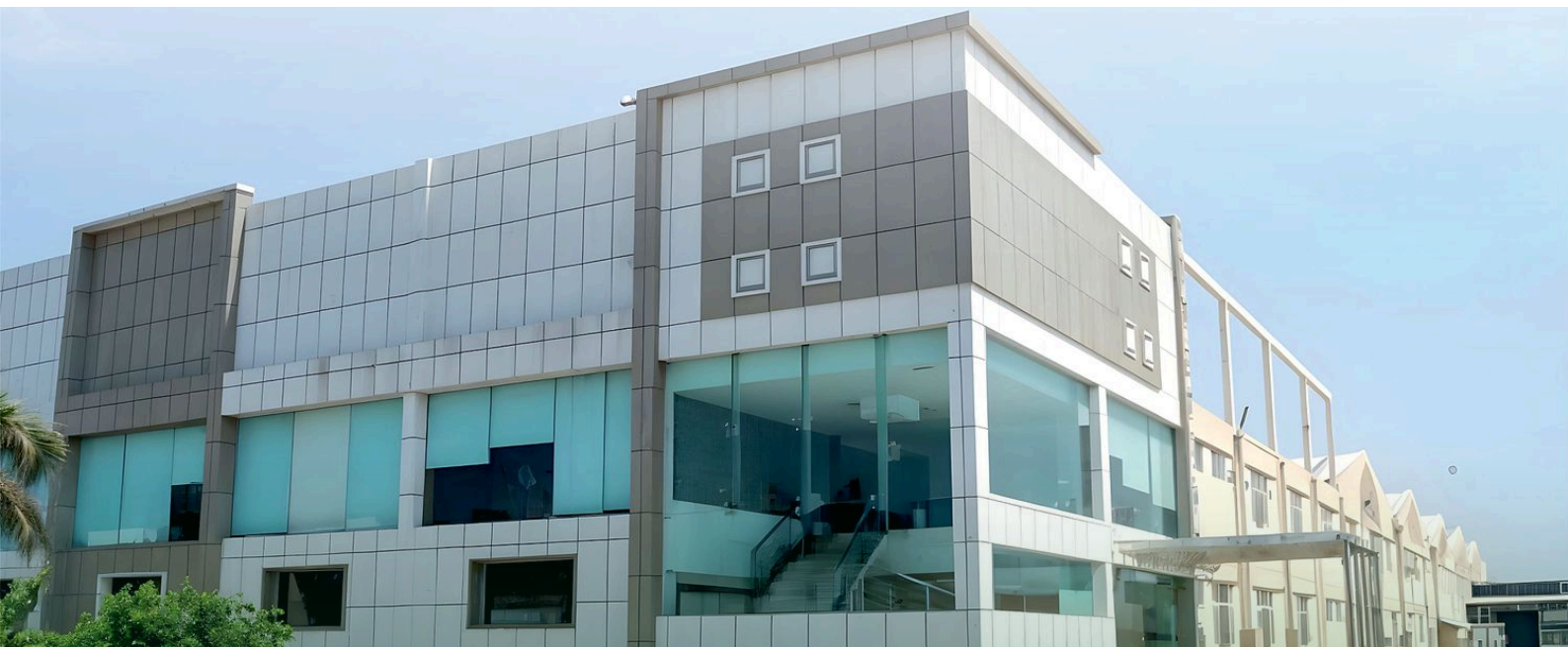
ISI · ISO 9001:2015 · BEE · CE



PUMPS & MOTORS
True Partner!

Oswal Product Catalogue

Solar, domestic, agricultural and industrial pumps · electric motors · cables, winding wire and control panels



True Partner!

Pumps & motors for every water need — from 0.25 HP household pumps to 200 HP borewell sets



0.25–200 HP
pumps & motors

up to 400 m
borewell head

IS · ISI · BEE
certified products

Solar ready
pumps & modules

www.oswalpumps.com

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Oswal Product Catalogue

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Oswal Estate, Karnal

Integrated manufacturing of pumps, motors, wires, cables and castings

Need help choosing a pump?

Tell us the application, required head and flow — our team will recommend the right Oswal product.

1800-120-1882

info@oswalpumps.com · WhatsApp +91-98962-66691

COMPANY PROFILE

An integrated pump & motor manufacturer since 2000

Oswal Pumps Limited, established in the year 2000, has become India's first unique integrated plant of its kind — a world-class manufacturing facility backed by experienced engineers and technicians.

It has emerged as one of the fastest-growing companies in submersible pumps, monoblock pumps, pressure pumps, electric motors, electric panels, submersible winding wires and cables — covering domestic, agricultural and industrial ranges. Our plant, covering an area of 45,000 m², is equipped with modern machinery. Oswal products are ISI-marked and certified for CE and BEE (Bureau of Energy Efficiency) star-rating markings; the company is one of India's leading manufacturers of energy-efficient stainless-steel pumps, with products star-rated by the BEE.

Quality checks



Every pump and motor is tested on in-house test benches before dispatch.

Prestigious awards

National Udyog Rattan Award

Bhartiya Udyog Rattan Award

GUIDING PRINCIPLES

Quality and service, with value for the customer's money



ISO 9001:2015 CERTIFICATION



ISO 9001:2015 certified company

Our campus — Oswal Estate, NH-1, Karnal



INFRASTRUCTURE

Made in-house, from wire to finished pump

Oswal manufactures the key components of its pumps and motors in its own plants — stampings, winding and enamelled wire, cables, castings, plastic mouldings, thrust bearings and stainless-steel pipe — for full control over quality and delivery.



Electrical stamping unit



Winding wire plant



Cable manufacturing unit



CI casting plant



Investment casting plant



Aluminium die-casting plant



Packaging unit



Enamel wire plant



Automatic winding unit



SS pipe plant



Injection plastic moulding plant



Thrust bearing plant



RANGE AT A GLANCE

28 product lines, one Oswal range

Product line	Standard	Power / size	Head / pressure	Discharge	Page
DOMESTIC & PRESSURE PUMPS					
Centrifugal regenerative pumps	IS 8472:2019	0.5–1.5 HP	4–48 m	60–3,480 L/h	6
Shallow well pumps	IS 8472:2019	0.5–1.1 HP	4–36 m	360–3,480 L/h	6
Magic suction pumps	–	0.5–1.1 HP	4–48 m	120–2,340 L/h	7
Booster pumps 1,440 rpm	–	0.5–1.0 HP	6–40 m	7–80 L/h ▮	7
SS shallow well pumps	–	0.5–1.0 HP	10–40 m	11–51 L/min	8
OCH horizontal multistage	–	0.5–2 HP	20–41 m	13–117 L/min	8
OCHP pressure boosting unit	IS 9079:2018	0.5 HP	20–41 m	13–117 L/min	9
OCR vertical multistage	–	1–3 HP	0.6–22 kg/cm ²	1.0–11 m ³ /h	9
MONOBLOCK, OPENWELL & DRAINAGE					
Centrifugal monoblock 2,880 rpm	IS 9079:2018	0.5–20 HP	5–70 m	65–2,290 L/min	10
Centrifugal monoblock 1,440 rpm	IS 9079:2018	2–15 HP	6–32 m	305–4,260 L/min	10
ONB SS monoblock 2,880 rpm	IS 9079:2018	1.5–20 HP	10–74 m	65–2,290 L/min	11
Horizontal openwell submersible	IS 14220:2018	0.5–20 HP	6–70 m	115–2,190 L/min	11
CI sewage pumps	–	1–3 HP	3–16 m	10–600 L/min	12
SS sewage pumps	–	0.5–1 HP	3–8 m	43–150 L/min	12
Mud pumps	–	1–3 HP	12–16 m	55–245 L/min	13
BOREWELL SUBMERSIBLE PUMPS & MOTORS					
V3 borewell 80 mm (Regular / Platinum)	–	0.5–1.5 HP	12–83 m	25–80 L/min	14
V4 borewell 100 mm (Regular / Platinum)	IS 8034:2018	0.5–7.5 HP	10–300 m	15–475 L/min	14
V5–V10 CI borewell	IS 8034:2018	1.5–200 HP	12–435 m ▮	80–4,350 L/min	15
OSP V4 stainless-steel borewell	–	1–10 HP	20–200 m	23–250 L/min	16
Solar SS submersible	–	1–10 HP	7–100 m	15,300–8,10,000 L/day	16
SS V6–V12 borewell	IS 8034:2018	3–125 HP	10–400 m	150–27,000 L/min ▮	17
Submersible motors 4" & 6"	–	2–60 HP	–	–	18
MOTORS, CABLES, CONTROLS & SOLAR					
Induction motors — single phase	IS 996:2009	0.25–5 HP	–	–	19
Induction motors — three phase	IS 12615:2018	0.25–120 HP	–	–	19
3-core flat submersible cables	IS 694:2010	1–25 mm ²	–	–	18
Winding wire	–	0.40–3.0 mm	–	–	18
Three-phase controller panel	–	1–60 HP	–	–	18
Mono half-cut solar modules	–	500–555 Wp	–	–	20

Figures are the published range limits of each series (1 - and 3 - phase combined). Detailed specifications, materials and applications follow on the product pages. ▮ = value printed in the source that Oswal should confirm (see product page).

Sales & service across India

For prices, availability and selection support contact Oswal Pumps or your nearest Oswal dealer.

1800-120-1882

Sales / WhatsApp +91-98962-66691

**DOMESTIC · IS 8472:2019****Centrifugal Regenerative Pumps**

Self-priming regenerative pumps for household, garden and small-building water supply

0.5 HP **1.0 HP** **1.1 HP** **1.5 HP**
SPECIFICATIONS

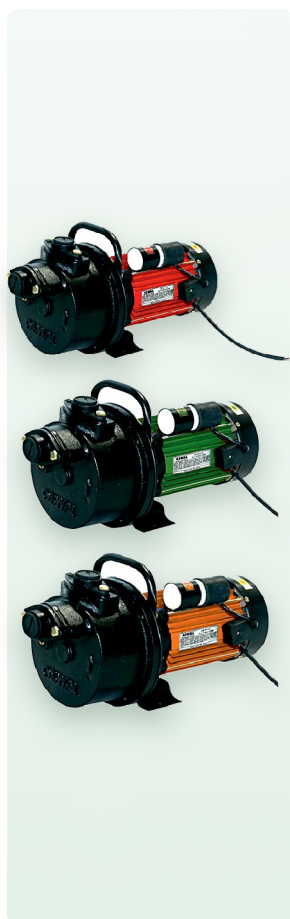
Power range	0.5, 1.0, 1.1 & 1.5 HP
Version	220–240 V, 50 Hz AC 1-phase · Permanent split capacitor (PSC), with thermal overload protector
Speed	2,880 rpm
Duty	S1 (continuous)
Degree of protection	IP54
Insulation	Class F
Discharge range	60–3,480 L/h
Head range	4–48 m
Suction lift	up to 8 m
Suction × delivery	25 × 25 mm

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Motor body	Aluminium / cast iron
Impeller	Bronze
Shaft	EN 8
Sealing	Mechanical seal (carbon vs ceramic)

APPLICATIONS

- Water supply in houses, institutes and hospitals
- Hydro-circulation systems
- Water for gardening and nurseries
- Water supply in multi-storey buildings
- Ultra-filtration systems

**DOMESTIC · IS 8472:2019****Shallow Well Pumps**

Jet-type shallow-well pumps for domestic pressure boosting and small-farm supply

0.5 HP **1.0 HP** **1.1 HP**
SPECIFICATIONS

Power range	0.5, 1.0 & 1.1 HP
Version	220–240 V, 50 Hz AC 1-phase · Permanent split capacitor (PSC), with thermal overload protector
Speed	2,880 rpm
Duty	S1 (continuous)
Degree of protection	IP54
Insulation	Class F
Discharge range	360–3,480 L/h
Head range	4–36 m
Suction lift	up to 8 m
Suction × delivery	25 × 25 mm

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Motor body	Aluminium
Impeller	SS, Noryl
Diffuser	Cast iron / Noryl
Shaft	EN 8
Sealing	Mechanical seal (carbon vs ceramic)

APPLICATIONS

- Supply systems for small gardens
- Domestic pressure boosting
- Drinking-water supply in small industries
- Water supply in small farms
- Water supply in nurseries

DOMESTIC · SELF-PRIMING

Magic Suction Pumps

High-suction self-priming pumps for homes, gardens, resorts and light industry

0.5 HP

1.0 HP

1.1 HP

SPECIFICATIONS

Power range	0.5, 1.0 & 1.1 HP
Version	220–240 V, 50 Hz AC 1-phase · Permanent split capacitor (PSC), with thermal overload protector
Speed	2,880 rpm
Duty	S1 (continuous)
Degree of protection	IP54
Insulation	Class F
Discharge range	120–2,340 L/h
Head range	4–48 m
Suction lift	up to 8 m
Suction × delivery	25 × 25 mm

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Motor body	Aluminium / cast iron
Impeller	Bronze
Diffuser	Stainless steel / bronze
Shaft	EN 8
Sealing	Mechanical seal (carbon vs ceramic)

APPLICATIONS

- Domestic establishments
- Small irrigation and landscaping
- Small farms and resorts
- Gardens and nurseries
- Industrial and civil applications



DOMESTIC · 1,440 RPM

Booster Pumps 1,440 rpm

Low-speed, quiet-running booster pumps for multi-storey homes, resorts and institutes

0.5 HP

1.0 HP

SPECIFICATIONS

Power range	0.5 & 1.0 HP
Version	220–240 V, 50 Hz AC 1-phase · capacitor start & capacitor run (CSCR)
Speed	1,440 rpm
Duty	S1 (continuous)
Degree of protection	IP54
Insulation	Class F
Discharge range	7–80 L/h [►]
Head range	6–40 m
Suction lift	up to 8 m
Suction × delivery	25 × 25 mm

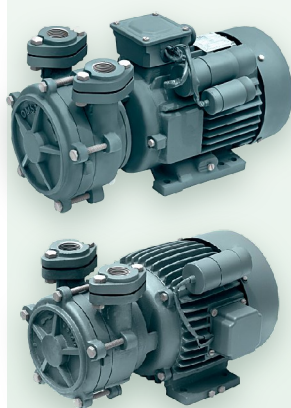
MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Motor body	Cast iron
Impeller	Bronze
Shaft	EN 8
Sealing	Mechanical seal (carbon vs ceramic)

APPLICATIONS

- Domestic multi-storey buildings
- Water supply in resorts and small landscapes
- Washing
- Civil applications in hospitals
- Water supply in institutes

► Discharge printed "7 – 80 lph" in the source — unusually low for this size; Oswal to confirm the unit (L/min?).



DOMESTIC · STAINLESS STEEL

Stainless-Steel Shallow Well Pumps

Corrosion-resistant stainless-steel jet pumps for clean-water pressure boosting

0.5 HP

1.0 HP

SPECIFICATIONS

Power range	0.5 & 1.0 HP
Version	220–240 V, 50 Hz AC 1-phase · Permanent split capacitor (PSC), with thermal overload protector
Speed	2,880 rpm
Duty	S1 (continuous)
Degree of protection	IP54
Insulation	Class B
Discharge range	11–51 L/min
Head range	10–40 m
Suction lift	up to 8 m
Suction × delivery	25 × 25 mm

MATERIAL OF CONSTRUCTION

Pump casing	Stainless steel
Motor frame	Aluminium
Impeller	Stainless steel
Diffuser	Noryl
Shaft	SS 410
Sealing	Mechanical seal (carbon vs ceramic)

APPLICATIONS

- Water supply in gardens and landscapes
- Pressure boosting in residential areas
- Drinking-water supply in industries
- Industrial liquid supply
- Water supply in nurseries



PRESSURE · HORIZONTAL MULTISTAGE

Horizontal Multistage Centrifugal Pumps

Compact multistage pumps with stainless-steel hydraulics for pressure boosting and clean-water duty

OCH 1

OCH 2

OCH 3

OCH 5

SPECIFICATIONS

Power range	0.5–2 HP, 1-phase
Version	200–240 V, 1-phase
Discharge range	13–117 L/min
Head range	20–41 m
Outlet size	25 × 25 mm
Water temperature	90 °C
Speed	2,880 rpm
Ambient temperature	55 °C
Insulation	Class B
Degree of protection	IP54
Mounting (main dimensions)	Foot mount 96 × 115 mm, for 8 mm / 10 mm bolts

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Pump bracket	Cast iron
Impeller	Stainless steel
Diffuser	Stainless steel
Motor body	Aluminium
Shaft	SS 410
Mechanical seal	Carbon vs ceramic
Base plate	Mild steel

APPLICATIONS

- Pressure boosting in commercial RO and similar systems
- Water circulation in DM plants
- Pumping of clean liquids in industry
- Water boosting in commercial establishments
- Car washing, small farms and multi-storey buildings



PRESSURE · IS 9079:2018

Pressure Boosting Unit

OCH multistage pump with pressure tank — ready-to-install constant-pressure water supply

OCHP series

SPECIFICATIONS

Power range	0.5 HP, 1-phase
Version	200–240 V, 1-phase
Discharge range	13–117 L/min
Head range	20–41 m
Outlet size	25 × 25 mm
Water temperature	50 °C
Speed	2,880 rpm
Ambient temperature	55 °C
Insulation	Class B
Degree of protection	IP54
Mounting (main dimensions)	Foot mount 96 × 115 mm, for 8 mm / 10 mm bolts
Tank capacity	8, 19, 24, 36, 60 & 100 L
Suitable outlets	2, 3, 5, 7 & 10 taps

MATERIAL OF CONSTRUCTION

Delivery × suction head	Cast iron
Motor body	Aluminium
Impeller	Stainless steel
Diffuser	Stainless steel
Shaft	SS 410
Mechanical seal	Carbon vs ceramic
Base plate	Mild steel

APPLICATIONS

- Water pressure for residential and commercial establishments
- Water distribution in industries and small farms
- Hotels and multi-storey buildings
- Apartments and bungalows
- Commercial washing



PRESSURE · VERTICAL MULTISTAGE

Vertical Multistage Centrifugal Pumps

In-line vertical multistage pumps with stainless-steel impellers, bowls and outer sleeve

OCR 1

OCR 2

OCR 3

OCR 5

OCR 10

SPECIFICATIONS

Power range	1–3 HP 1-phase · 1–3 HP 3-phase
Version	220–240 V 1-phase · 380–415 V 3-phase, 50 Hz AC
Speed	2,880 rpm
Discharge range	1.0–11 m³/h
Pressure range	0.6–22 kg/cm²
Motor insulation	Class F
Degree of protection	IP54
Liquid temperature range	–30 °C to +120 °C

MATERIAL OF CONSTRUCTION

Pump head	CI FG 260 / stainless steel
Base	CI FG 260 / stainless steel
Shaft	SS 431 / stainless steel
Impeller	Stainless steel
Bowl	Stainless steel
Outer sleeve	Stainless steel
O-ring for outer sleeve	EPDM
Neck ring	PTFE
Shaft seal	Cartridge type, TC vs carbon
Bearing ring	Tungsten carbide

APPLICATIONS

- Commercial reverse-osmosis and demineralising systems
- Boiler feed and water circulation
- Pressure boosting in mains of high-rise buildings and hotels
- Distribution from waterworks to ultra-filtration and transfer back
- Constant-pressure boosting in washing, cleaning and fire-fighting systems



MONOBLOCK · IS 9079:2018**Centrifugal Monoblock Pumps 2,880 rpm**

Cast-iron monoblock pumps for irrigation, gardens, buildings and fire-fighting set-ups

1-phase 0.5–3 HP**3-phase 0.5–20 HP****SPECIFICATIONS**

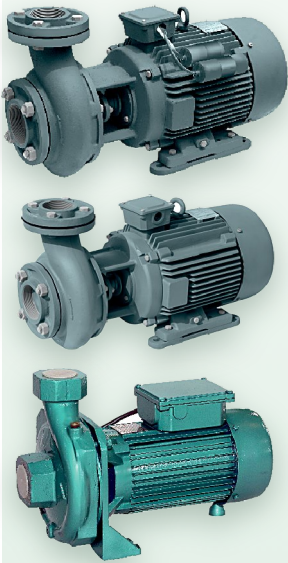
Power range	0.5–3 HP 1-phase · 0.5–20 HP 3-phase
Speed	2,880 rpm
Discharge range	65–1,350 L/min 1-phase · 65–2,290 L/min 3-phase
Head range	5–34 m 1-phase · 5–70 m 3-phase
Suction lift	up to 8 m
Suction × delivery	25 × 25 to 100 × 100 mm
Version	220–240 V, 50 Hz AC 1-phase, Permanent split capacitor (PSC), with thermal overload protector · 350–440 V 3-phase
Degree of protection	IP54
Insulation	Class F
Duty	S1 (continuous)

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Motor body	Cast iron
Impeller	Cast iron / SS
Shaft	EN 8
Sealing	Mechanical seal (carbon & ceramic) or asbestos gland rope packing

APPLICATIONS

- Sprinkler, drip and flood irrigation
- Farms and gardens
- Industry, fountains and pools
- Water circulation in high-rise buildings
- Fire-fighting set-ups

**MONOBLOCK · IS 9079:2018****Centrifugal Monoblock Pumps 1,440 rpm**

Low-speed, high-flow monoblock pumps for irrigation, cooling and industrial water systems

1-phase 2–5 HP**3-phase 2–15 HP****SPECIFICATIONS**

Power range	2.0–5.0 HP 1-phase · 2.0–15 HP 3-phase
Speed	1,440 rpm
Discharge range	305–1,055 L/min 1-phase · 305–4,260 L/min 3-phase
Head range	6–14 m 1-phase · 6–32 m 3-phase
Suction lift	up to 8 m
Suction × delivery	50 × 50 to 100 × 100 mm
Version	220–240 V 1-phase · 350–440 V 3-phase, AC 50 Hz
Degree of protection	IP54
Insulation	Class F
Duty	S1 (continuous)
Thermal protector	Optional
Method of starting	DOL / star-delta

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Motor body	Cast iron
Impeller	Cast iron
Shaft	EN 8
Sealing	Asbestos gland rope packing
Bracket / front end shield	Cast iron
Bearing	Anti-friction deep-groove ball bearing

APPLICATIONS

- Irrigation
- Industrial water systems
- Agricultural water supply
- Cooling systems
- Rural water supply



MONOBLOCK · IS 9079:2018**Stainless-Steel Centrifugal Monoblock Pumps**

Stainless-steel monoblock pumps for clean-water irrigation, buildings and fire-fighting

ONB series **2,880 rpm****SPECIFICATIONS**

Power range	1.5–5 HP 1-phase · 1.5–20 HP 3-phase
Speed	2,880 rpm
Discharge range	65–1,350 L/min 1-phase · 65–2,290 L/min 3-phase
Head range	10–30 m 1-phase · 10–74 m 3-phase
Suction lift	up to 8 m
Suction × delivery	25 × 25 to 100 × 100 mm
Version	220–240 V, 50 Hz AC 1-phase, Permanent split capacitor (PSC), with thermal overload protector · 350–440 V 3-phase
Degree of protection	IP54
Insulation	Class F
Duty	S1 (continuous)

MATERIAL OF CONSTRUCTION

Pump casing	Stainless steel
Motor body	Stainless steel
Impeller	Stainless steel
Shaft	EN 8
Sealing	Mechanical seal (carbon & ceramic) or asbestos gland rope packing

APPLICATIONS

- Sprinkler, drip and flood irrigation
- Farms and gardens
- Industry, fountains and pools
- Water circulation in high-rise buildings
- Fire-fighting set-ups

**OPENWELL · IS 14220:2018****Horizontal Openwell Submersible Pumps**

Horizontal submersible pumps for open wells, rivers, canals, sumps and treatment plants

1-phase 0.5–5 HP **3-phase 0.5–20 HP****SPECIFICATIONS**

Power range	0.5–5.0 HP 1-phase · 0.5–20 HP 3-phase
Speed	2,880 rpm
Version	200–240 V 1-phase · 350–440 V 3-phase, AC 50 Hz
Discharge range	115–1,200 L/min 1-phase · 115–2,190 L/min 3-phase
Head range	6–48 m 1-phase · 6–70 m 3-phase
Suction × delivery	25 × 25 to 80 × 80 mm 1-phase · 25 × 25 to 100 × 100 mm 3-phase
Duty	S1 (continuous)

MATERIAL OF CONSTRUCTION

Rear cover / bracket	Cast iron
Stator shell	Cast iron / SS / MS
Shaft	SS 410
Impeller	Nylon / Noryl
Pump casing	Cast iron
Seal	NBR
Thrust bearing set	Leaded bronze & composites / SS vs carbon / SS vs fibre
Diaphragm	NBR
Journal bearings	LTB 4

APPLICATIONS

- Lifting from rivers and canals for irrigation
- Domestic water supply to multi-storey buildings
- Swimming pools and fountains
- Water supply in commercial establishments
- ETP, STP and WTP duty



DRAINAGE · CAST IRON**CI Sewage Pumps**

Submersible cast-iron sewage pumps with semi-open impeller and double mechanical seal

1.0 HP**2.0 HP****3.0 HP****SPECIFICATIONS**

Power range	1.0, 2.0 & 3.0 HP, 1- & 3-phase
Speed	2,880 rpm
Version	220-240 V, 50 Hz AC 1-phase · 350-440 V 3-phase
Discharge range	10-600 L/min
Head range	3-16 m
Outlet size	50 & 75 mm
Duty	S1 (continuous)
Degree of protection	IP68
Cable	VCT epoxy-resin sealed cable
Thermal protector	Automatic-reset motor protector
Insulation	Class F

APPLICATIONS

- Drainage of sewage from building basements and the hotel industry
- Drainage of sewage from industrial process plants
- Emptying septic tanks
- Clearing water-logging
- Flushing out waste water

MATERIAL OF CONSTRUCTION

Impeller type	P-type semi-open
Casing cover	Cast iron
Bearing	Ball bearing
Impeller	Cast iron
Casing	Cast iron
Upper cover	Cast iron
Mechanical seal — motor side	Carbon vs ceramic
Mechanical seal — pump side	SiC vs SiC
Motor body	Stainless steel
Shaft	SS 410

**DRAINAGE · STAINLESS STEEL****Stainless-Steel Sewage Pumps**

Stainless-steel submersible drainage pumps with float switch and double sealing

0.5 HP**1 HP****SPECIFICATIONS**

Power range	0.5 & 1 HP
Outlet size	32 & 42 mm
Version	220-240 V, 50 Hz AC 1-phase
Speed	2,880 rpm
Discharge range	43-150 L/min
Head range	3-8 m
Max. size of soft solids	5 mm (0.5 HP) · 30 mm (1 HP)
Insulation	Class F
Degree of protection	IP68

MATERIAL OF CONSTRUCTION

Pump casing	Stainless steel
Pump body	Stainless steel
Impeller	Cast iron / Noryl
Shaft	SS 410
Double sealing	NBR & mechanical seal (carbon vs ceramic)
Bracket / front end shield	Cast iron
Rear end shield	Cast iron
Stator body	Stainless steel

APPLICATIONS

- Drainage of sewage from basements
- Clearing manhole sewage
- Clearing waste water from factories, hotels and institutes
- Clearing industrial process waste
- Emptying septic tanks



DRAINAGE · SLURRY

Mud Pumps

Robust cast-iron pumps for mud slurry, storm water and muddy foundation pits

1.0 HP

2.0 HP

3.0 HP

SPECIFICATIONS

Power range	1.0, 2.0 & 3.0 HP
Version	220–240 V, 50 Hz AC 1-phase · 350–440 V 3-phase, DOL
Speed	2,880 rpm
Discharge range	55–245 L/min
Head range	12–16 m
Degree of protection	IP55
Insulation	Class F
Outlet size	40 × 40, 50 × 40 & 50 × 50 mm
Thermal protection	Optional in 1-phase

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Motor body	Cast iron
Stator body	Cast iron
Impeller	Cast iron
Shaft	EN 8
Pump seal	Mechanical seal (carbon & ceramic)
Bearing	Anti-friction deep-groove ball bearing

APPLICATIONS

- Pumping out mud slurry
- Draining polluted water and storm water
- Clearing industrial water and sewage
- Marine water (docks, ports and vessels)
- Clearing muddy foundations, trenches and pits

**SELECTION GUIDE****Which drainage pump?**

Compare	CI sewage pump	SS sewage pump	Mud pump
Construction	Cast iron, SS motor body	Stainless steel	Cast iron
Power range	1.0, 2.0 & 3.0 HP	0.5 & 1 HP	1.0, 2.0 & 3.0 HP
Phase	1- & 3-phase	1-phase	1- & 3-phase
Discharge (L/min)	10–600	43–150	55–245
Head range (m)	3–16	3–8	12–16
Outlet size	50 & 75 mm	32 & 42 mm	40 × 40, 50 × 40 & 50 × 50 mm
Solids handling	P-type semi-open impeller	Soft solids up to 5 mm (0.5 HP) / 30 mm (1 HP)	Mud slurry
Degree of protection	IP68	IP68	IP55
Typical duty	Basements, hotels, process effluent, septic tanks	Basements, manholes, light waste water	Slurry, storm water, foundation pits, docks

Summary of the published ranges on pages 12–13. For sizing support call 1800-120-1882.

V3 · V4 · oil-filled / water-filled

V3 & V4 Borewell Submersible Pumps

80 mm and 100 mm borewell pump sets in Regular (cast iron) and Platinum (stainless-steel) build — water-filled or oil-filled motor

POWER

0.5–7.5 HP

HEAD

up to 300 m

MAX. OD

76 / 98 mm



Series	V3 borewell · 80 mm	V4 borewell · 100 mm
SPECIFICATIONS		
Standard	–	IS 8034:2018
Power range	0.5–1.5 HP	0.5–5.0 HP 1-phase · 0.5–7.5 HP 3-phase
Version	220–240 V, 50 Hz AC 1-phase	220–240 V, 50 Hz AC 1-phase · 350–440 V 3-phase
Method of starting	CSCR (water -filled) · CSR (oil-filled)	CSCR (water-filled) · CSR (oil-filled) · DOL / star-delta 3-phase
Speed	2,880 rpm	
Discharge range	25–80 L/min	15–355 L/min water-filled · 15–475 L/min oil-filled
Head range	12–83 m	10–300 m
Outlet size	25 & 32 mm	32, 40, 50 & 65 mm
Degree of protection	IP68	
Max. outer diameter	76 mm	98 mm
Duty	S1 (continuous)	
Mounting standard	Cheaper NEMA [▮]	NEMA / Cheaper NEMA [▮]
MATERIAL OF CONSTRUCTION — PUMP		
NRV housing	Cast iron (Regular) · stainless steel (Platinum)	
Impeller	Noryl	Noryl / nylon
Diffuser	Noryl	Noryl / cast iron
Pump jacket / casing	Stainless steel	
Pump shaft	SS 410	
Suction interconnector	Cast iron (Regular) · stainless steel (Platinum)	
Coupling	SS 410	
MATERIAL OF CONSTRUCTION — MOTOR		
Upper, lower housing & motor base	Cast iron (Regular) · stainless-steel jacket (Platinum)	
Stator body	Stainless steel	
Shaft	SS 410	
Bearing bush / journal bush	LTB-4 (water-filled)	Carbon bush (water-filled)
Bearing	Ball bearing (oil-filled)	Ball bearing
Thrust bearing set	Carbon vs SS (water-filled)	

Rows spanning both columns apply to V3 and V4. CSCR = capacitor start, capacitor run · CSR = capacitor start and run.

APPLICATIONS — V3

- Borewell domestic water supply
- Rural and municipal water supply
- Irrigation
- Water supply in commercial establishments
- Small farms, gardening and nurseries

APPLICATIONS — V4

- Water supply from borewells
- Domestic and rural water supply
- Municipal and irrigation use
- Water supply in commercial establishments
- Small farms, gardening and nurseries

BUILDS

Regular — cast-iron NRV housing, suction interconnector and motor housings.

Platinum — stainless-steel NRV housing, interconnector and motor jacket.

▮ "Cheaper NEMA" as printed in the source — Oswal to confirm the intended mounting description.

V5-V10 · IS 8034:2018

V5 to V10 CI Borewell Submersible Pumps

5" to 10" cast-iron borewell pump sets with stainless-steel impellers — 1.5 to 200 HP

POWER
1.5–200 HP

HEAD
up to 435 m

DISCHARGE
up to 4,350 L/min

OUTLET
50–150 mm



Specification	V5	V6	V7	V8	V10
Power range	3–7.5 HP 1-ph 3–12.5 HP 3-ph	1.5–7.5 HP 1-ph 3–35 HP 3-ph	5–35 HP 3-ph	7.5–125 HP 3-ph	20–200 HP 3-ph
Version (AC, 50 Hz)	220–240 V 1-ph 350–440 V 3-ph	220–240 V 1-ph 350–440 V 3-ph ¹	350–440 V 3-ph	350–440 V 3-ph	350–440 V 3-ph
Method of starting	CSCR 1-ph DOL / star 3-ph	CSCR 1-ph DOL / star 3-ph	DOL / star-delta	DOL / star-delta	DOL / star-delta / ATS
Speed	2,880 rpm · all sizes				
Discharge (L/min)	350–700	80–1,150	660–1,680	440–1,970	960–4,350
Head range (m)	13–109	12–435 ¹	15–100	17–280	19–368
Outlet size (mm)	50 & 75	50, 65 & 75	100	75, 100 & 125	125 & 150
Degree of protection	IP68 · all sizes				
Max. outer diameter	121 mm	142 mm	159 mm	185 mm	225 mm
Duty	S1 (continuous) · all sizes				

MATERIAL OF CONSTRUCTION — PUMP

NRV housing	Cast iron
Impeller	Stainless steel
Diffuser	Cast iron
Pump shaft	SS 410
Suction interconnector	Cast iron
Coupling	SS 410

MATERIAL OF CONSTRUCTION — MOTOR

Upper & lower housing	Cast iron
Stator body	Stainless steel
Shaft	SS 410
Bearing	Carbon bush
Thrust bearing set	Carbon vs SS

APPLICATIONS

- Water extraction from boreholes
- Large irrigation
- Agricultural and institutional water supply
- Civil and industrial water supply
- Rural water supply

CSCR = capacitor start, capacitor run · ATS = auto-transformer starter · 1-ph / 3-ph = single / three phase. ¹ Source lists only 1-phase for V6 although a 3-phase power range is given — 3-phase added by analogy with V5. ▀ V6 head "12 – 435 m" as printed; Oswal to confirm.

BOREWELL · STAINLESS STEEL V4**OSP Stainless-Steel Borewell Pump Sets**

4" (100 mm) stainless-steel borewell pump sets — AC and solar compatible

OSP 2

OSP 3

OSP 5

OSP 8

OSP 14

SPECIFICATIONS

Power range	1–10 HP, 3-phase
Version	350–440 V, 50 Hz AC 3-phase
Speed	2,850 rpm
Discharge range	23–250 L/min, 3-phase
Head range	20–200 m, 3-phase
Outlet size	32, 40 & 50 mm
Degree of protection	IP68
Max. outer diameter	98 mm
Duty	S1 (continuous)
Method of starting	DOL, 3-phase
Mounting standard	NEMA

APPLICATIONS

- Water supply from borewells
- AC and solar energy compatible
- Municipal and irrigation use
- Water supply in commercial establishments
- Small farms, gardening and nurseries

MATERIAL OF CONSTRUCTION — PUMP

NRV housing	Stainless steel
Check valve	Stainless steel
Check valve seat	NBR
Impeller	Stainless steel
Bowl	Stainless steel
Pump shaft	SS 431
Suction interconnector	Stainless steel
Coupling	SS 304

MATERIAL OF CONSTRUCTION — MOTOR

Upper, lower housing & motor base	Cast iron / stainless steel
Stator shell	Stainless steel
Shaft	Stainless steel
Bearing	Carbon bush (water-filled) · anti-friction deep-groove ball bearing (oil-filled)
Thrust set	Carbon vs SS (water-filled)

SOLAR PUMPING**Solar SS Submersible Pumps**

Stainless-steel borewell pump sets for solar PV drive

OSP 2

OSP 3

OSP 5

OSP 8

OSP 14

SPECIFICATIONS

Power range	1–10 HP
Mounting standard	NEMA
Version	415 V 3-phase, AC 50 Hz, DOL / star-delta
Speed	2,900 rpm
Discharge range	15,300–8,10,000 L/day
Head range	7–100 m
Outlet size	40, 50, 65, 75, 100 & 125 mm
Degree of protection	IP68
Max. outer diameter	97.5–147 mm
Duty	S1 (continuous)
Input power range	900–9,000 Wp

APPLICATIONS

- Rural water supply from borewells
- Domestic and agricultural supply
- Farms and irrigation
- Civil and industrial use
- Government water-supply schemes

MATERIAL OF CONSTRUCTION — PUMP

Discharge chamber	Stainless steel
Valve seat	NBR + stainless steel
Impeller	Stainless steel
Diffuser	Stainless steel
Pump shaft	Stainless steel
Suction interconnector	Stainless steel
Coupling	Stainless steel
Pump casing	Stainless steel

MATERIAL OF CONSTRUCTION — MOTOR

Upper, lower housing & motor base	Stainless steel / cast iron
Stator shell	Stainless steel
Shaft	Stainless steel
Journal bush	Carbon bush
Thrust bearing set	SS 410 / 420, graphite carbon

V6-V12 · IS 8034:2018

Stainless-Steel V6 to V12 Borewell Submersible Pumps

6" to 12" stainless-steel borewell pump sets — AC and solar compatible, also available in 60 Hz

POWER
3-125 HP

HEAD
up to 400 m

OUTLET
50-150 mm

MAX. OD
147-241 mm



Specification	V6	V8	V10	V12
Series	OSP 9, 12, 17, 30, 40, 46 & 60	OSP 77 & 95	OSP 125 & 160	OSP 215
Power range	3-60 HP 3-ph	5.0-125 HP 3-ph	7.5-125 HP 3-ph	10-125 HP 3-ph
Version	350-440 V, AC 50 Hz, 3-phase · all sizes			
Method of starting	DOL / star, 3-phase · all sizes			
Speed	2,850 rpm · all sizes			
Discharge (L/min)	150-1,000	1,200-1,600	2,100-27,000 [■]	3,600
Head range (m)	15-400	10-190	13-160	13-62
Outlet size (mm)	50, 65, 75 & 100	125	150	150
Degree of protection	IP68 · all sizes			
Max. outer diameter	147 mm	190 mm	229 mm	241 mm
Duty	S1 · all sizes			
Mounting standard	NEMA · all sizes			

MATERIAL OF CONSTRUCTION — PUMP

NRV housing	Stainless steel
Valve seat	NBR + SS 304
Impeller	Stainless steel
Diffuser	Stainless steel
Pump shaft	Stainless steel
Suction interconnector	Stainless steel
Coupling	Stainless steel

APPLICATIONS

- Water extraction from boreholes for large irrigation
- AC and solar energy compatible
- Agricultural and institutional water supply
- Civil and industrial water supply
- Rural water supply

Also available in 60 Hz. ■ V10 discharge "2100-27000 lpm" as printed (2,100-2,700 L/min likely); V12 head printed "13-62 rpm", shown in metres. Oswal to confirm.

SUBMERSIBLE MOTORS

4" and 6" submersible motors



4" OSF-100

6" OSL-150

6" OSF-150

Series	4" OSF-100	6" OSL-150	6" OSF-150
Power range	2–7.5 HP 3-phase	3–60 HP 3-phase	5.5–60 HP 3-phase
Version (AC)	380–415 V, 3-phase, 50 Hz		
Speed (rpm)	2,850–2,880 at 50 Hz	3,450 at 60 Hz	2,850–2,880 at 50 Hz

MATERIAL OF CONSTRUCTION — MOTOR

Upper, lower housing & motor base	Cast iron / stainless steel
Stator shell	Stainless steel
Shaft	Stainless steel
Bearing	Carbon bush (water-filled) · anti-friction deep-groove ball bearing (oil-filled)
Thrust set	Carbon vs SS (water-filled)

► The source gives the 6" OSL-150 speed as "3,450 at 60 Hz" while its version is 50 Hz — Oswal to confirm. Full motor data (current, efficiency, thrust, dimensions) are in the **Oswal Submersible Motors** catalogue.

BOREWELL ACCESSORIES & CONTROLS

Cables, winding wire and controller panel



CABLES · IS 694:2010

Submersible 3-core flat cables

SPECIFICATIONS

No. of cores	3 core
Size	1, 1.5, 2.5, 4, 6, 10, 16 & 25 mm ²
Length	250, 500 & 1,000 m
Working voltage	up to and including 1,100 V
Type	PVC insulated & PVC sheathed
Conductor	Multi-strand twisted copper wire

APPLICATIONS

- Specially designed for borewell submersible pumps



WINDING WIRE

Submersible winding wire

SPECIFICATIONS

Size	0.40–3.0 mm
Type	BOPP / polyester-wrapped copper conductor

APPLICATIONS

- Borewell submersible pumps

FEATURES

- Resistance to abrasion
- Low power consumption
- Tear resistance
- Outstanding electrical and mechanical properties



CONTROLS

Three-phase controller panel

SPECIFICATIONS

Version	415 V, 3-phase, AC 50 Hz
HP compatibility	1.0 to 60 HP
Body	MS sheet
Starting	DOL / star-delta
Type	Digital

APPLICATIONS

- Submersible pumps
- Openwell pumps
- Industrial motors

Due to continuous R&D, specifications and pictures may vary from time to time.

ELECTRIC MOTORS · IS 996:2009

Squirrel-Cage Induction Motors — Single Phase

TEFC single-phase motors for farm machinery, workshops and special-purpose drives

0.25–5 HP

2 & 4 pole

SPECIFICATIONS

Power range	0.25–5 HP
Version	200–240 V, AC 50 Hz
Speed (poles)	2 & 4
Enclosure	Totally enclosed fan-cooled (TEFC)
Frame size	80 to 130 M
Ambient temperature	50 °C
Insulation	Class B
Combined variation	10 % (absolute sum)
Duty	S1
Degree of protection	IP44
Bearing	Anti-friction deep-groove ball bearing
Grease	High-temperature lithium complex grease (155 °C)
Mounting	B3 & B14

APPLICATIONS

- Single-phase machines and agricultural applications
- Chaff cutters
- Wood planers
- Drilling machines and conveyors
- Special-purpose applications



ELECTRIC MOTORS · IS 12615:2018

Squirrel-Cage Induction Motors — Three Phase

TEFC three-phase motors for industry, HVAC, machine tools and heavy machinery

0.25–120 HP

2, 4, 6 & 8 pole

SPECIFICATIONS

Power range	0.25–120 HP
Version	380–415 V, AC 50 Hz
Speed (poles)	2, 4, 6 & 8
Enclosure	Totally enclosed fan-cooled (TEFC)
Frame size	56 to 280 M
Ambient temperature	50 °C
Insulation	Class F
Combined variation	10 % (absolute sum)
Connection	Star up to 2 HP · delta above 2 HP
Duty	S1
Degree of protection	IP55
Bearing	Anti-friction deep-groove ball bearing
Grease	High-temperature lithium complex grease (155 °C)
Mounting	Foot-mounted to IS 1231 (B3) · flange-mounted to IS 2223 (B5) · foot-cum-flange (B35) · face-mounted (B14)

APPLICATIONS

- Industrial applications
- Heavy and precision machinery
- Air-conditioning, blowers and cooling towers
- Turning, milling, drilling, cutting, slitting and grinding machinery
- Special electrical applications



OSWAL SOLAR PV MODULES

MONO HALF-CUT 500–555 Wp

DCR

Non-DCR

Bifacial

Monocrystalline half-cut-cell solar modules — the natural partner for Oswal solar submersible and surface pump sets. Available in DCR (domestic content requirement), non-DCR and bifacial versions.

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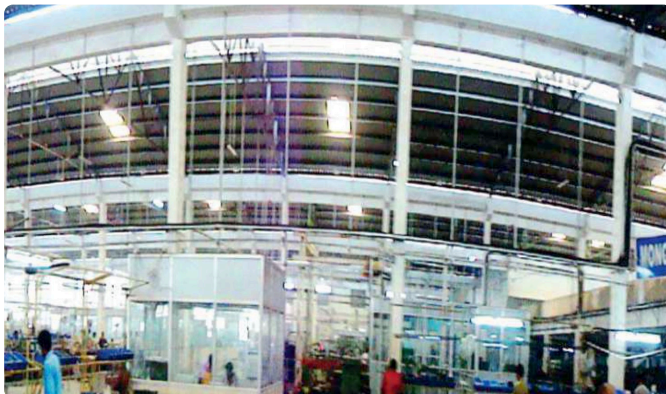
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