

Oswal Sewage Pump

OFP submersible sewage & drainage pumps · 1.0–3.0 HP · single & three phase

AT A GLANCE

- Submersible sewage pump with semi-open "P-type" impeller
- Flow up to 1000 L/min (60 m³/h)
- Head up to 19 m · max. depth 18.5 m
- Solid passage up to 35 mm
- Double mechanical seal · automatic-reset protector
- AISI 304 motor frame · IP 68



OFP

Sewage & drainage

OFP series · 2" and 3" discharge · float switch option

1–3 HP

power range

60 m³/h

max. flow

19 m

max. head

35 mm

solid passage

MANUFACTURED BY

Oswal Pumps Ltd.

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ISO 9001:2015

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OFP SEWAGE PUMPS · 1.0–3.0 HP

Clog-resistant submersible pumps for sewage and waste water

Performance range

- Flow rate up to **1000 L/min** (60 m³/h)
- Dynamic head up to **19.0 m**

Applications

- Drainage of sewage from building basements, the hotel industry and waste water from factories.
- Drainage of sewage from industrial process plants.
- Emptying septic tanks, cesspits and sewage pump stations.
- Pumping surface and drainage water from garages and sprinkler systems.

Construction

A precision motor built from laminated sheet steel under the highest standard of quality control. The drive shaft and rotor assembly is heat-treated; the stator and wiring are varnish-impregnated and oven-dried for stable characteristics and high efficiency.

Standard accessories: VCT cable with an epoxy-resin-sealed water-resistant cable base, automatic thermal motor protector, dual mechanical seal and lip-seal design.

Special features on request

- Other voltages
- Available in 60 Hz



Thermal overload protector

Automatic-reset protector prevents motor burn-out from high temperature, phase failure, voltage drop or locked impeller.



Cable base

Epoxy-resin-sealed cable base prevents water entering the motor through the cable.



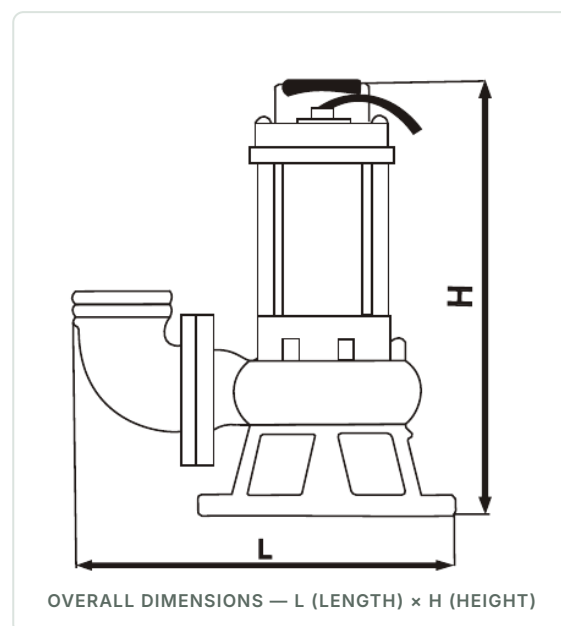
P-type impeller

Semi-open impeller cuts foreign particles and prevents clogging by solids.

TECHNICAL DATA

Specification and dimensions

Item	Specification
PUMPED LIQUID	
Discharge diameter	50–80 mm
Liquid temperature	0–40 °C
Liquid nature	Waste water and sewage water
Max. depth	18.5 m
PUMP — STRUCTURE	
Impeller type	Semi-open
Mechanical seal	Double mechanical seal
Bearing	Ball bearing
PUMP — MATERIAL	
Impeller	Grey iron
Casing	Grey iron
Upper cover	Grey iron
Casing cover	Grey iron
Mechanical seal — motor side	Carbon / ceramic
Mechanical seal — pump side	Silicon carbide / silicon carbide
MOTOR	
Insulation	Class B
Frequency	50 Hz
Thermal protector	Automatic - reset motor protector
Frame	AISI 304
Main shaft	AISI 410
Cable	VCT
Protection	IP 68
Duty	Continuous
Voltage	1-ph 230 V +5 / -15 % · 3-ph 400 V +5 / -15 %



Voltage tolerance printed as "230 V +5 – 15 %" — read as +5 % / -15 % (red).

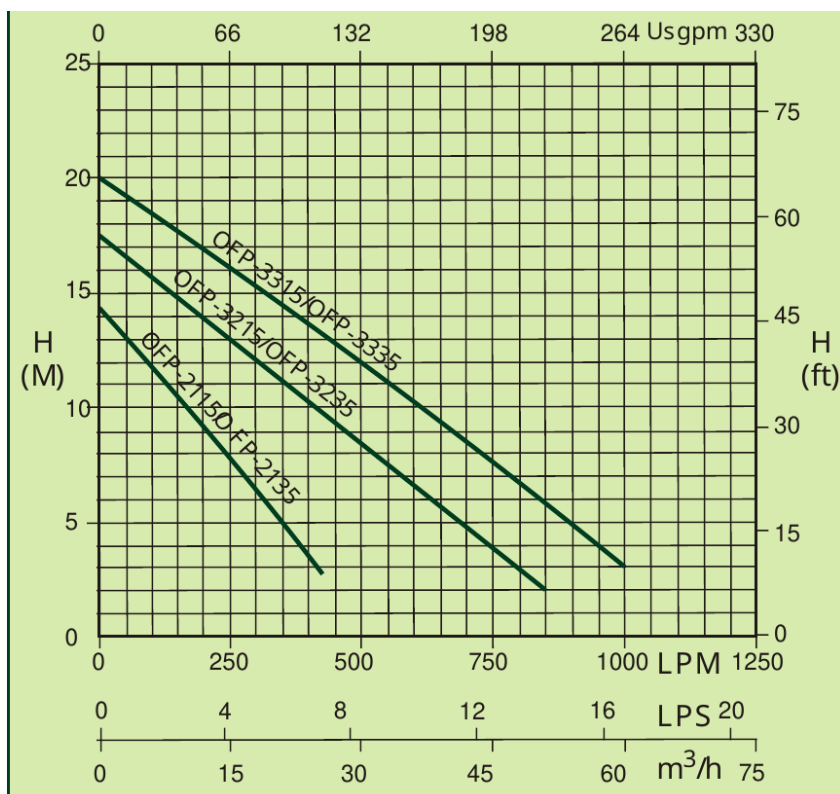
Dimensions & weights

Single phase	Three phase	Discharge	Length mm	Width mm	Height mm	Solid passage mm	Net weight kg
OFP-2115 / 2115F	–	2" (50)	280	234	480	23	25.3
–	OFP-2135	2" (50)	280	234	480	26	25.3
OFP-3215	–	3" (80)	410	258	528	32	42.1
–	OFP-3235	3" (80)	410	258	528	30	42.1
OFP-3315	–	3" (80)	410	258	595	35	48.1
–	OFP-3335	3" (80)	410	258	595	30	48.1

Subscript "F" pumps are supplied with a float switch.

PERFORMANCE AT N = 2900 RPM

Performance chart and data



PERFORMANCE CURVES AT 2900 RPM — HEAD H (M / FT) VS. FLOW (L/MIN, L/S, M³/H, US GPM)

Performance data at 2900 rpm

PUMP & MOTOR				TOTAL HEAD H (M) AT FLOW RATE Q							
Model (1-ph · 3-ph)	HP	kW	Starting	3 m³/h	6	12	18	24	36	48	60
				50 L/min	100	200	300	400	600	800	1000
OFP-2115/2115F · OFP-2135	1.0	0.75	Cap. · DOL	13	12	9	6.5	3.5	–	–	–
OFP-3215 · OFP-3235	2.0	1.50	Cap. · DOL	16.5	16	14	12	10.5	6.5	3	–
OFP-3315 · OFP-3335	3.0	2.20	Cap. · DOL	19	18.5	17	15.5	14	10	7	3

Single-phase models: capacitor start; three-phase models: direct on line. Subscript "F": float switch fitted.

Notes (as printed — confirm with factory): solid passage differs between the single- and three-phase versions of the same pump (23 vs 26 mm; 32 vs 30 mm; 35 vs 30 mm) although housings and weights are identical. The manufacturer reserves the right to change design and specification without prior notice.