

# 6" OP TYPE DEWATERING PUMP

These pumps are suitable for dewatering, over pumping sewage, drainage pumping, irrigation and chiller plants. The suction and discharge is 150 x 150 mm with closed type impeller with mechanical seal. (Open type impeller also available).

Priming Tank is made of Aluminium and the internal parts are of Teflon, Stainless steel which increase the life and efficiency of the pump. Volute Casing is cast iron (Stainless Steel also available) and it is designed in such a way that the shape helps to give better discharge. Shaft, Impeller, Stuffing box and all other internal parts are made by stainless steel.



We are manufacturing pumps as per the demand of the customer requirements: Open Impeller pumps, Electric motor driven pumps, with 2/4 wheel types, skid mounted types and MOC according to customer requirements.

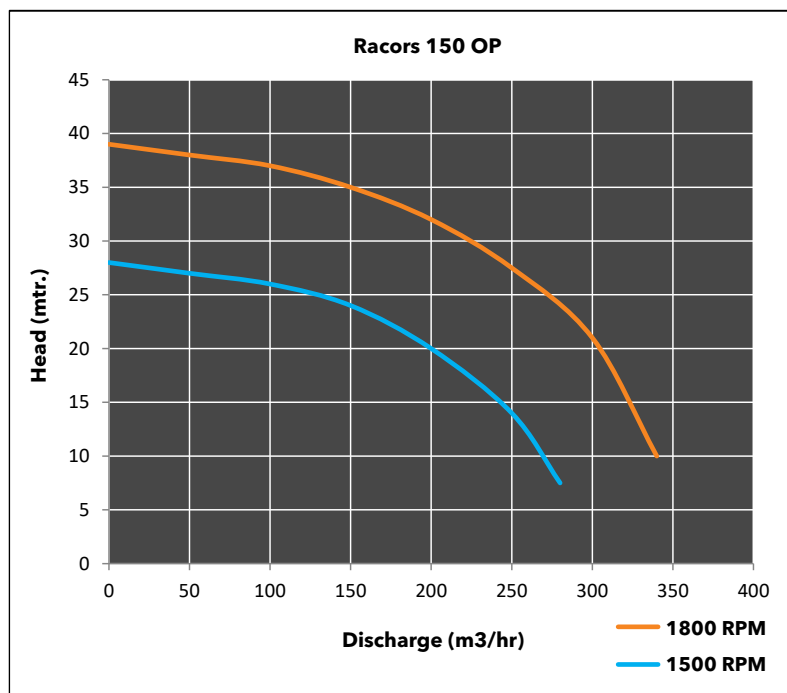
## Features and Benefits

- Easy Maintenance normally limited to checking oil levels and filters.
- This dewatering pump used for handling sewage, slurries, and liquids with solids up to 2.0" in diameter.
- Dry-running high pressure liquid bath Double mechanical seal with high abrasion resistant solid silicon carbide faces.
- A centrifugal pump with Dri- Prime system coupled to a diesel engine or electric motor.
- Kirloskar HA 394 engine can be coupled with the pump. Electric motor is also an option.

## Pump Specifications

Pump Make	RACORS
Pump Model	Racors 150 OP
Vacuum Capacity	70 cfm
Max. Water Flow	350 m <sup>3</sup> /hr
Suction x Discharge	6" x 6" (150 mm x 150 mm)
Max. Head	40 mtr.
Max. Suction lift	9 mtr.
Max. Solid handling	2"

## Performance Curve



## Engine Specification

Engine	KIRLOSKAR HA 394, 3 Cylinder, Air cooled Diesel Engine
Capacity	38 HP
Speed	1800 RPM
Starting	Electric with starter Motor, Charging Alternator, Oil Bath Air cleaner, fuel Injection Pump, Oil filter, Engine mounted Exhaust Silencer, Manual Shut off, Wire Harness & Starting Panel

## Material of Construction

Volute Housing	High Grade cast Iron
Pump Shaft	Stainless steel, SS - 304
Impeller	Stainless Steel, SS - 304
Stuffing Box	Stainless Steel, SS - 304 with Double Mechanical seal immersed in oil bath for better efficiency & longer durability
Priming Tank	Aluminium
Mounting	Portable two wheel chassis with built in fuel tank having a fuel Capacity of 160 liters.

## Weight & Dimensions

Weight without engine	550 kg
Weight with engine	950 kg
Length x width x height(cm)	214 x 213 x 153cm
20 feet container	6 nos
40 feet container	12 nos