

LOBE PUMP



The Elastec Lobe pump is a heavy duty diesel driven pump set, the lobe pump is capable of handling solids and viscous materials. For industrial or oil spill applications up to for product transfer such as filling and emptying trucks and transferring slurry between pits. Matched to an electric start 9hp / 6.7kW diesel engine the pump can deliver up to 159 gpm / 36 m³/h @ 58 psi / 4 bar.

Run Dry: The pump is capable of dry running for a period up to 30 minutes without damage

Self Priming : Up to 25 ft (wet)

Solids Handling: The lobe design handles tough applications where large solids may be present in the liquid. The two-wing design has a cavity between the lobes and housing - facilitating solids.

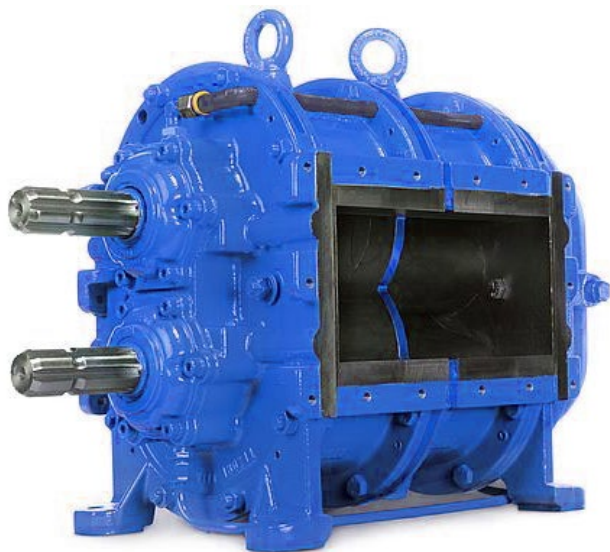
Specification

Engine	9.3 hp (3,600 RPM) Yanmar air cooled diesel engine L-100V (Tier 4) Recoil hand and electric start
Fuel Tank	1.43 gallon / 5.4 litre
Fuel Consumption	0.562 gallon per hour at 3,600 rpm
Frame	Steel frame lifting point, two wheels and handles
Pump	Positive Displacement Lobe
Pump Capacity	198 gpm / 45 m ³ /h
Suction/Discharge	4 inch camlock
Pump Solids Handling	1.9 inch / 48 mm
Weight	538 lb / 244 kg
Dimension	57 x 36 x 42 inch / 1.45 x 0.92 x 1.4 m
Lifting	Central lift point

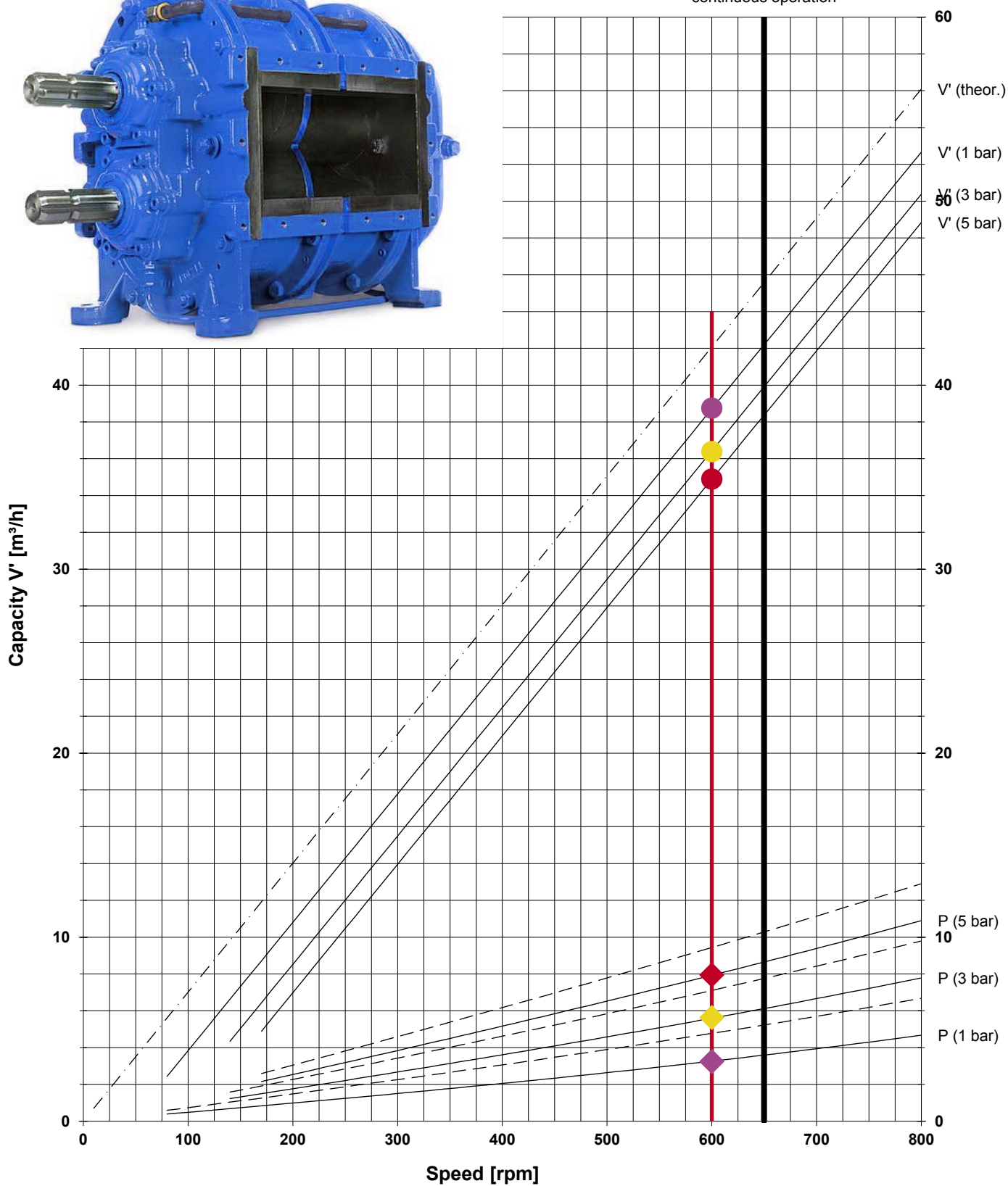
Pump Construction

Bearing Housing	Gray cast iron, 230-260 Brinell hardness
Front Cover	Gray cast iron, 230-260 Brinell hardness
Front Wear Plate	Hardox, 550 Brinell hardness
Pump Shaft	Carbon steel, ASTM A470
Shaft Sleeve	Stellite coated stainless steel
Rear Wear Plate	Hardox, 550 Brinell hardness
Housinag Segments	Gray cast iron, 230-260 Brinell hardness
Mechanical Seal	Component seal, Duronite vs. Duronite
Rotor Core	Gray cast iron with NBR cover

Optional; Spares kit, Spark arrestor, Engine over-speed protection valve, Fabric cover



Maximum speed at
continuous operation



● ~39 m³/h ~172 gpm
 ● ~37 m³/h ~163 gpm
 ● ~35 m³/h ~154 gpm

◆ ~8 kW ~10.72 HP
 ◆ ~6 kW ~8 HP
 ◆ ~5 kW ~6.7 HP