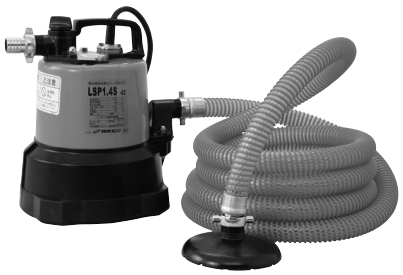
Series:	Suction × Discharge Bore:	Motor Output / Pole:
LSP	25 x 25mm	0.48kW / 2-pole



The LSP pump is a single-phase portable self-priming residue drainage pump incorporating a submersible motor. The suction attachment, supplied as standard, makes the pump drain water down to floor level. The pump is equipped with a siphon breaker mechanism that prevents reverse-flow when the pump stops its operation. It is lightweight and easy to carry, as the major components are made of aluminum alloy and synthetic rubber. Since it incorporates a submersible pump, there is absolutely no problem even it is submerged in water. The flow-thru design provides maximum motor cooling efficiency allowing continuous operation at low water levels and extended dry-run capability.

Selection Table 50 / 60Hz

Model	Suction × Discharge Bore mm	Motor Output kW	Phase	Starting Method	Pole	Max. Head m	Max. Capacity L/min	Max. Vacuum kPa(mmHg)	Dry Weight kg
LSP1.4S	25 x 25	0.48	1-phase	Capacitor Run	2	6.9 / 7.8	50 / 55	73.3(550)	16.5

SPECIFICATIONS	Model	LSP1.4S	LSP-series 0.48kW, 1-phase

Type of Pump
Self-priming residue drainage pump for construction works, floodwater drainage, and cleaning works, etc.

Type of Fluid
Stormwater, groundwater, wash water, and sand-carrying water

Temperature: 0 to 40°C

Suction x Discharge Bore & Connection
25 x 25mm, Hose Coupling with Union

Motor Output
0.48kW

Power Supply
Single-phase

Starting Method
Capacitor Run

Motor
Continuous-duty rated, dry-type induction motor

Insulation Class: E
Degree of Protection: IP68

No. of Poles & Speed (Synchronous Speed)
2-pole, 3000/3600min^{-1} (50/60Hz)

Power Supply Voltages & Rated Currents

50Hz	60Hz
220V – 3.1A	110V – 6.1A
230V – 2.9A	220V – 3.0A
240V – 2.7A	

Power Cable
Sheath: PVC
Standard Length: 5m
100 to 240V supply:
1 x 3 x 1.25mm^2, O.D. 10.1mm

Dry Weight (excluding cable)
16.5kg

Impeller
Vortex impeller deigned for "high-gap structure", made of urethane rubber

Cable Entry with Anti-Wicking Block
Watertight cable entry with strain-relief device. The anti-wicking block prevents water incursion due to capillary action should the power cable be damaged or the end submerged.

Bearing
Permanently lubricated, deep-groove, double-shielded C3 ball bearings

Shaft
403 stainless steel

Shaft Seal (Mechanical Seal)
Furnished with a double-face mechanical seal located in oil chamber. Both upper and lower seal faces always run in a clean environment.

Upper Seal Face: Ceramic + Carbon
Lower Seal Face: SiC + Ceramic

V-Ring
Used as a "Dust Seal", it protects the mechanical seal from abrasive particles.

OIL LIFTER
Equipped in oil chamber. It forcibly supplies lubricating oil to the mechanical seal and continues to supply the oil to the upper seal faces even if lubricant falls below the rated volume.

Type of Lubricating Oil & Volume
Turbine Oil (ISO VG32), 150ml

Motor Protection Device
A miniature thermal protector is embedded in winding of the motor. Directly cuts the motor circuit if excessive heat builds up in the motor.

Standard Accessories

Suction Hose 5m (with Union)
Suction Attachment

DIMENSIONS	Model	LSP1.4S	LSP-series 25mm

Unit: mm