

Single-phase Portable Pumps – LB / HS

The LB/LB-A series are submersible portable drainage pumps. Up to 0.75kW, the discharge direction is selectable between vertical and inclined, which prevents folding or bending of the discharge hose. Every LB-series is slim design enough to be accommodated in an 8-inch pipe. The LB-A series with an innovative electrode type relay unit automatically starts and stops the pump to eliminate dry-running. This mechanism greatly reduces power consumption and extends operating life.



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| Series | LB / LB-A |
| Discharge Bore | 50 - 80 mm |
| Phase - Output & Pole | 1 phase - 2P: 0.48 / 0.75 / 1.5kW 3 phase - 2P: 0.75 / 1.5kW |
| Protection Device | 0.48kW: Miniature Thermal Protector 0.75 / 1.5kW: Circle Thermal Protector |
| Derived models | LSC/LSR: Residue drain pump LSP: Self-priming residue drainage pump |

The HS(Z) series are also submersible single-phase portable pumps. The shaft-mounted agitator prevents the air lock that tends to take place on vortex or semi-vortex pumps. The rubber/resin-made stand protects the floor surface from scratching. The HSZ-series with a single float switch reduces power consumption and extends operating life.



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| Series | HS / HSZ |
| Discharge Bore | 50 - 80 mm |
| Phase - Output & Pole | 1 phase - 2P: 0.4 / 0.75 kW |
| Protection Device | 0.4kW: Miniature Thermal Protector 0.75 / 1.5kW: Circle Thermal Protector |
| Derived models | HSD: Slurry pump HSR: Residue drain pump HSE: Automatic pump (Electrode type) |