

CDLF 12-50 Vertical Multistage Centrifugal Pump

Model: CDLF 12-50

Flow Rate: 12 m³/h

Lift: 50 m

Rotational Speed: 2900r/min

Power: 3 kW

Factory Date: 2022.01

Great Wall CDLF 12-50 is a vertical multistage *centrifugal* pump designed for high efficiency and energy saving. This CDLF type pump is constructed using stainless steel *which* makes it suitable for handling clean and slightly corrosive liquids.

Model 12-50 Key Specifications

- **Rated Flow Rate:** Approx. 12 m³/h
- **Number of Stages:** The number "50" often indicates the number of impellers or series code for a specific *head*.
- **Material: Flow path components (such as impeller and shaft) are made of AISI 304 or AISI 316 stainless steel.**
- **Motor:** Uses a standard TEFC (2-pole) electric motor with **IP55 protection class and class F** insulation.

Design Features

- **Vertical Structure:** Compact design that saves installation space.
- **In-line Suction & Discharge:** The inlet and outlet are located on the same horizontal line, facilitating direct pipe connections within the system.
- **Mechanical Seal:** Uses a cartridge-type mechanical seal that is durable and easy to maintain without having to open the entire motor (for certain models).
- **Corrosion Resistance:** Because the pump body is made of stainless steel, it is corrosion resistant and suitable for drinking water or light industrial liquids.

Common Applications

- **Water Supply:** Water filters, water transportation in water plants, and pressure boosting *in* high-rise buildings.
- **Industry:** Cleaning systems, high-pressure washing systems, and fire prevention systems.
- **Water Treatment:** Ultra-filtration systems, RO (reverse osmosis) systems, and distillation systems.
- **Agriculture:** Farm irrigation and sprinkler systems.