

Deep Well Ejector Centrifugal Pump

This deep well pump combines an ejector pump and a centrifugal pump in series for efficient water extraction. It is suitable for pumping clean water and chemically non-aggressive fluids from deep wells.



Overview

High-Performance Deep Well Extraction

The SCMDP series combines an ejector unit with a centrifugal pump to provide a reliable solution for drawing clean water from extremely deep wells. These pumps are engineered for durability and efficiency, making them ideal for domestic water distribution and automatic booster systems. Designed for continuous duty, they offer an economical and simple-to-use solution for residential and light industrial water supply needs.

Performance Highlights

Key Performance Metrics

25 L/min
Max Flow Rate

50 m
Max Head

25 m
Max Suction Lift

10 bar
Max Pressure

Technical Specifications



Comprehensive technical data including performance curves and construction features for the SCMDP pump series.

Model Comparison Table

Model	Input Power (kW)	Output Power (HP)	Current (A)	Max Head (m)	Max Suction (m)
SCMDP-22	0.68	0.5	3.5	33	15
SCMDP-42	0.85	0.75	4	40	20
SCMDP-50	1	1	5	50	25

Construction Features

Build Materials

- Pump Body: Cast iron
- Motor Housing: Aluminum
- Shaft: 45# Steel or Stainless Steel
- Impeller: Brass or PPO (Optional)
- Mechanical Seal: Ceramic steatite / metalized carbon

Motor & Protection

Insulation Class

Class B • Class F

Protection Class

IP44 • IP54

Motor Configuration

Closed, externally ventilated

Motor Speed

2850 r/min

Operating Conditions

Max Ambient Temperature

40 °C

Max Fluid Temperature

40 °C

Fluid Compatibility

Clean Water, Chemically Non-Aggressive

Installation

Installation Requirements

- Install in a covered area protected from weather
- Foot valve with filter required on suction opening
- Ensure adequate counter-pressure