



RESPONSIBLE DEWATERING, SUSTAINABLE SOLUTIONS

MASSIVE
FLOW.
MAXIMUM
RELIABILITY



ADS MHF
100 PUMP



www.arihantdewatering.com

PRODUCT OVERVIEW

The ADS MHF-100 is part of our specialized MHF Series of high-efficiency centrifugal pumps, designed for medium to high head applications. Compact yet powerful, the MHF-100 delivers reliable performance in demanding site conditions with a flow range of 90–720 m³/h and heads up to 50 m.

This pump is widely used across construction, mining, irrigation, flood control, and industrial sectors. With robust construction, dynamically balanced impellers, and ease of maintenance, the MHF-100 is an ideal solution for both permanent installations and rental-based dewatering needs.

MATERIAL OF Construction ADS MHF-100

Impeller: Bronze / SS304 / SS316/ CD4MCuN

Casing: Cast Iron / WCB / CD4MCuN

Shaft: SS304 / SS316

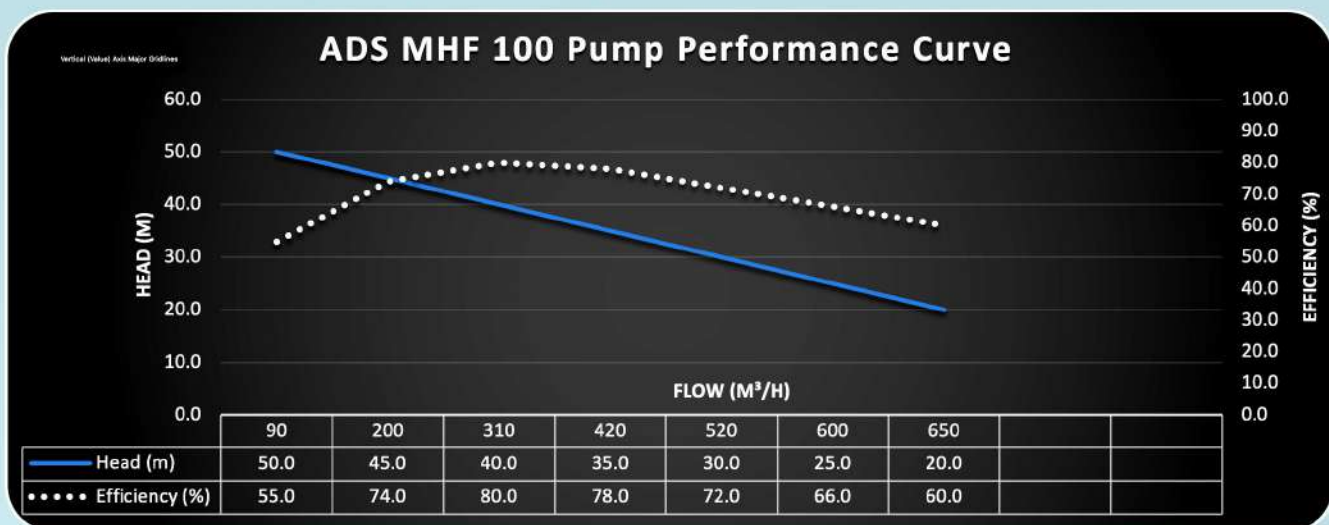
Technical Data

PUMP PERFORMANCE

Curve

PARAMETER	SPECIFICATION
Flow Range	90 – 720 M ³ /H
Head Range	10 – 50 M
Efficiency	UP TO 78%
Suction × Delivery	200 × 150 MM
Max Temperature	60 °C
Max Operating Speed	1500 RPM
Hydrostatic Test Pressure	7.5 BAR
Rated Prime Mover Capacity	100 HP
Solid Handling	UPTO 20MM

The performance curve below shows Head vs Flow for the ADS MHF-100 pump at 1500 rpm.



DESIGN Features

- Dynamically balanced impeller for vibration-free operation
- Heavy-duty bearing housing for extended service life
- Stainless steel shaft minimizing deflection
- Back pull-out design ensuring easy maintenance
- Abrasion-resistant casing and impellers for durability
- Factory hydro-tested casing and seals for reliability
- Efficient operation across a wide duty range
- Compatible with diesel engine or electric motor drive

Applications

- Construction & Excavation – Reliable site dewatering for basements, foundations, and underground works.
- Mining & Tunnels – Continuous drainage for pits, shafts, and tunneling projects.
- Irrigation & Canal Pumping – Efficient water transfer for agricultural and canal systems.
- Flood Control & Disaster Relief – Emergency pumping for storm water and flood management.
- Industrial Water Supply – Process water circulation and utility pumping.
- Power Plants & Cooling Water – Robust cooling water supply for thermal and energy projects.
- Municipal Utilities – Urban drainage, stormwater, and potable water handling.

WHY CHOOSE ADS?

- 25+ Years of Expertise
- 400+ Projects Executed
- Trusted by L&T, NTPC, Adani, Tata Projects, and more
- Sustainable, responsible dewatering solutions

SUPPLY VS RENTAL Offerings

Supply (Sales): Designed for permanent installation, available with multiple material options (CI, SS, Bronze, CD4MCuN). High efficiency and robust design ensure long service life.

Rental (With O&M): Fully maintained pumpsets available on hire with prime mover and auto-priming system. Operation, running, and maintenance included within ADS scope, ensuring rapid deployment and reliability



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