



RESPONSIBLE DEWATERING, SUSTAINABLE SOLUTIONS

MASSIVE
FLOW.
MAXIMUM
RELIABILITY



ADS MHF
150 SD PUMP



www.arihantdewatering.com

ADS MHF-150 SD

Moderate to High Head Centrifugal Pump

PRODUCT OVERVIEW

The ADS MHF-150SD belongs to our proven MHF Series of high-efficiency centrifugal pumps, designed for medium to high head applications. With flow capacities up to 100 – 1100 m³/h and heads up to 28 – 47.5 m, this pump delivers robust and reliable performance across diverse projects.

Engineered for durability and efficiency, the MHF-150SD is widely applied in construction, mining, irrigation, flood control, industrial utilities, and municipal water systems. It is equally suited for permanent installations and rental-based dewatering solutions with ADS operation & maintenance support.

MATERIAL OF Construction ADS MHF-150 SD

Impeller: Bronze / SS304 / SS316 / CD4MCuN

Casing: Cast Iron / WCB / SS304 / CD4MCuN

Shaft: SS304 / SS316

Seal: Mechanical Seal (SIC vs SIC / TC vs TC)

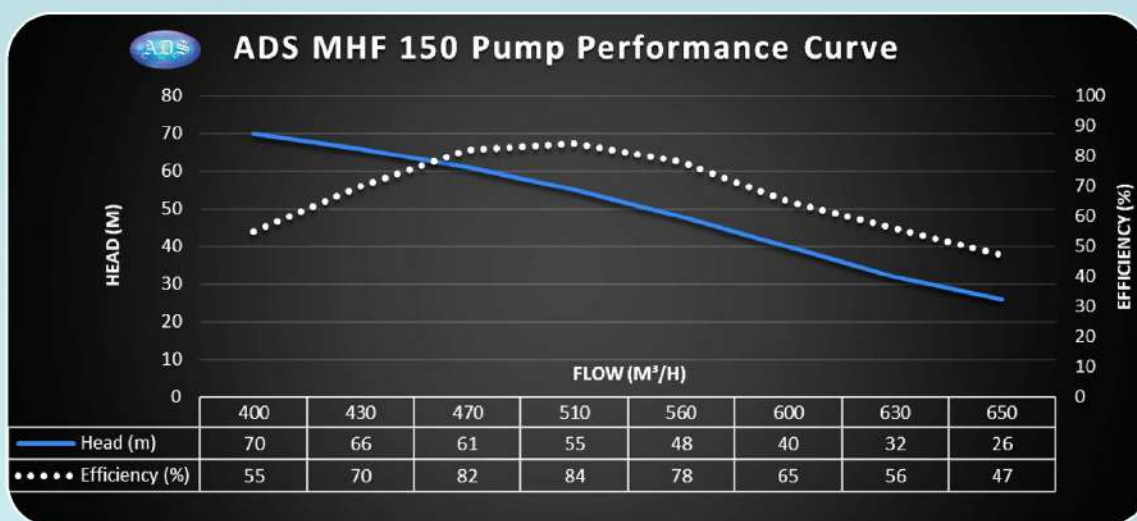
Technical Data

PUMP PERFORMANCE

Curve

PARAMETER	SPECIFICATION
FLOW RANGE	400 – 650 M ³ /H
HEAD RANGE	26 – 70 M
EFFICIENCY	34 – 55%
SUCTION × DELIVERY	200 × 150 MM
SOLIDS HANDLING	UP TO 25 MM
MAX OPERATING SPEED	1500 RPM
RATED PRIME MOVER CAPACITY	150 HP / 110 KW
HYDROSTATIC TEST PRESSURE	10.5 KG/CM ²
MAX OPERATING TEMPERATURE	60 °C

The performance curve below shows Head vs Flow for the ADS MHF-150 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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