



RESPONSIBLE DEWATERING, SUSTAINABLE SOLUTIONS

MASSIVE
FLOW.
MAXIMUM
RELIABILITY



ADS MHF
ISO PUMP



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ADS MHF-150

Moderate to High Head Centrifugal Pump

PRODUCT OVERVIEW

The ADS MHF-150 is part of our proven MHF Series of high-efficiency centrifugal pumps. With a flow capacity ranging from 400 to 650 m³/h and heads up to 70 meters, this model is engineered for reliable performance in medium to high head applications.

Compact yet durable, the MHF-150 is widely applied in construction, mining, irrigation, flood control, industrial utilities, and municipal water systems. Its rugged build, balanced impellers, and ease of maintenance make it equally suited for both permanent supply installations and rental-based dewatering solutions.

MATERIAL OF Construction ADS MHF-150

Impeller: Bronze / SS304 / SS316 / CD4MCuN

Casing: Cast Iron / WCB / SS304 / CD4MCuN

Shaft: SS304 / SS316

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

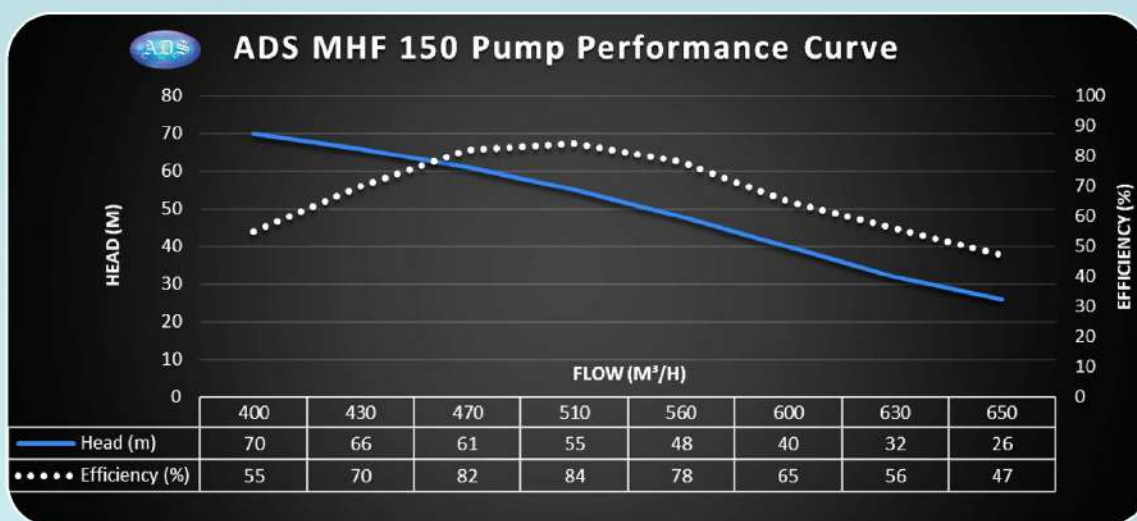
Technical Data

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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