



RESPONSIBLE DEWATERING, SUSTAINABLE SOLUTIONS

MASSIVE
FLOW.
MAXIMUM
RELIABILITY



ADS MHF
640 PUMP



www.arihantdewatering.com

ADS MHF-640

Engineered for Mega Projects & Extreme Duty

PRODUCT OVERVIEW

The ADS MHF-640 represents the flagship model in our MHF Series of centrifugal pumps. With the ability to deliver massive flows of up to 2400 m³/h and handle heads as high as 105 meters, it is purpose-built for mega infrastructure, hydro and thermal power projects, deep mining operations, urban flood control, and large-scale industrial applications.

This pump is not only powerful but also versatile, equipped to manage demanding environments where high reliability and efficiency are critical. With solids handling up to 60 mm and hydro-tested casing, the MHF-640 provides unmatched performance under extreme conditions

MATERIAL OF Construction ADS LHF-640

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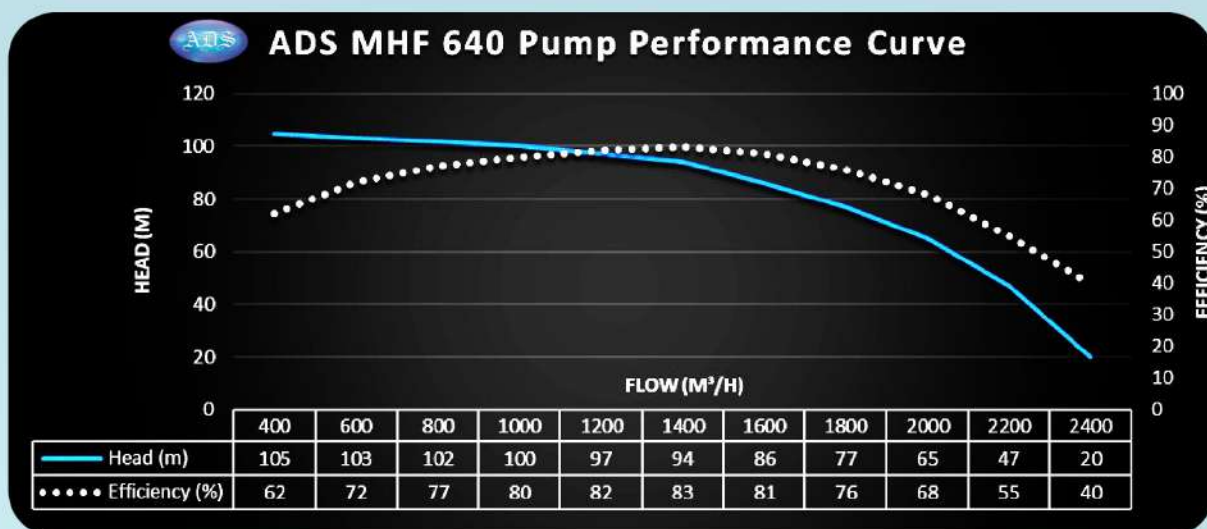
Technical Data

PUMP PERFORMANCE

Curve

PARAMETER	SPECIFICATION
Flow Range	400 – 2400 M ³ /H
Head Range	20 – 105 M
Efficiency	40 – 82%
Suction × Delivery	350 × 300 MM
Solids Handling	UP TO 60 MM
Max Operating Speed	1500 RPM
Rated Prime Mover Capacity	640 HP / 480 KW
Hydrostatic Test Pressure	18 KG/CM ²
Max Operating Temperature	60 °C

The performance curve below shows Head vs Flow for the ADS MHF-640 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

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- 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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