



Arihant Dewatering Systems



Phone:
+91 9818740559

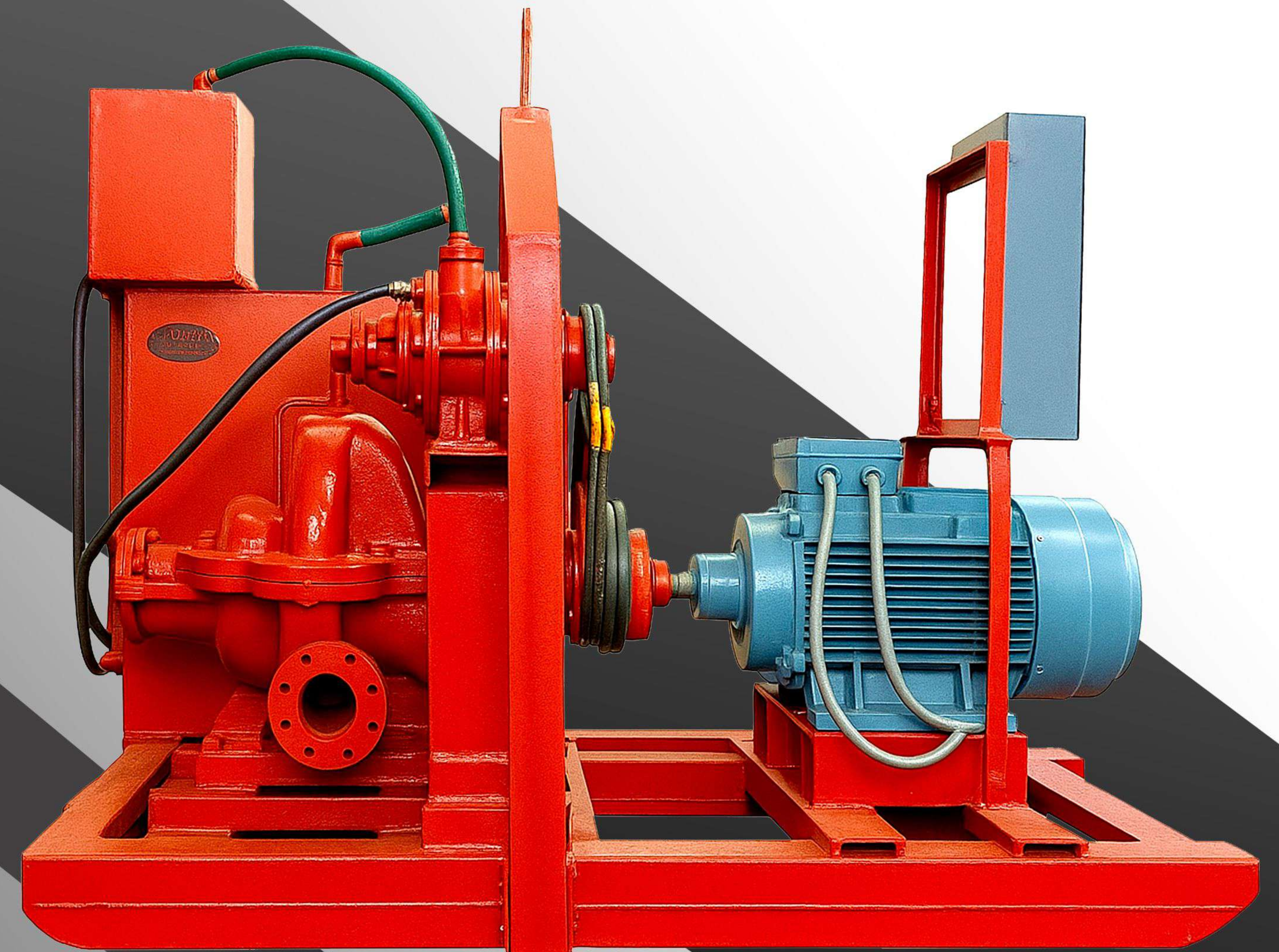
Mail:
Sushant.bansal@arihantdewatering.com
Sushantbansal.ads@gmail.com
Sales@arihantdewatering.com

Address:
146, Anand Industrial Estate,
Mohan Nagar, Ghaziabad 201007 U.P.



RESPONSIBLE DEWATERING, SUSTAINABLE SOLUTIONS

ADS BHF SERIES PUMP



**PERFORMANCE
BEYOND PRESSURE**



ADS BHF SERIES PUMPS

Heavy Duty Centrifugal Pumps

Engineered for Dependable High-Head Water Transfer

The ADS BHF Series represents a family of heavy-duty split-case centrifugal pumps engineered for projects where rugged performance and reliability are essential. Designed to deliver high flows at sustained heads, these pumps excel in critical environments where continuous operation and consistent results cannot be compromised.

Mounted on robust skids or trailers and coupled with powerful engines or motors, the BHF pumps are ready for rapid deployment, offering quick setup and dependable performance even under fluctuating suction conditions. Their sturdy construction with precision-engineered hydraulics ensures long service life, reduced wear, and minimal downtime, making them a trusted solution for contractors and industries across India.

ADS BHF SERIES PUMPS

From raw water lifting at thermal power plants and dewatering in remote mines to irrigation canals, infrastructure projects, and emergency flood-relief operations, the BHF Series proves its strength in some of the most demanding applications. With ADS’s integrated support in supply, rental, operation, and maintenance, clients benefit from a seamless package that balances technical efficiency with rugged durability.

More than just pumps, the ADS BHF Series are workhorses that redefine efficiency, dependability, and speed of deployment in high-head water movement.

ADS BHF SERIES PUMPS

Technical Specifications

Pump Model	Suction x Delivery (mm)	Prime Mover Capacity	Max Head (m)	Max. Flow (m³/h)	Solids Handling	Duty Point (Flow@Head)	Pump Type	Impeller Type
BHF-60	150 x 150	~60 HP	92	260	15 mm	140 m³/h @ 84 m	Split Case	Closed
BHF-150	200 X 200	~150 HP	122	400	20 mm	250 m³/h @ 100 m	Split Case	Closed
BHF-400	250 × 250	~400 HP	210	650	25 mm	400 m³/h @ 160 m	Split Case	Closed

PRODUCT OVERVIEW

The ADS BHF-60 belongs to our BHF Series of high-head centrifugal pumps, engineered by ADS into a fully mobile, skid-mounted package with engine or motor prime mover, vacuum pump and air separation tanks for automatic priming. With flow capacities up to 20 – 260 m³/h and heads reaching 64 – 92 m, the BHF-60 is ideal for applications where dependable high head pumping is critical.

Compact yet powerful, the BHF-60 is deployed widely in raw water intakes, thermal power plant contingency pumping, mine dewatering, metro projects, and municipal storm bypass operations. Its ability to rapidly self-prime and deliver high heads makes it a preferred solution in both permanent supply and rental O&M deployments.

MATERIAL OF Construction ADS BHF-60

Impeller: Bronze / SS304 / SS316 / CD4MCuN

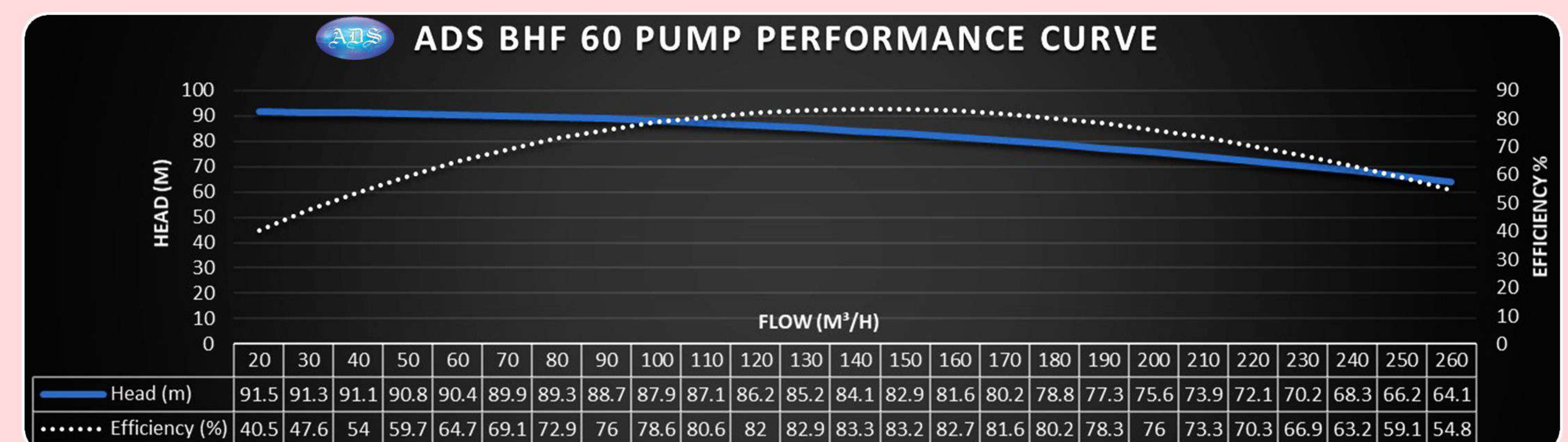
Casing: Cast Iron / WCB / SS304 / CD4MCuN

Shaft: SS304 / SS316

Technical Data

PARAMETER	SPECIFICATION
Flow Range	20 – 260 M³/H
Head Range	64 – 92 M
Efficiency	40 – 83%
Suction × Delivery	125 × 100 MM
Solids Handling	UP TO 20 MM
Max Operating Speed	1500 RPM
Rated Prime Mover Capacity	60 HP / 45 KW
Hydrostatic Test Pressure	15 KG/CM²
Max Operating Temperature	60 °C

The performance curve below shows Head vs Flow for the ADS BHF-60 pump at 1500 rpm.



PRODUCT OVERVIEW

The ADS BHF-150 belongs to our BHF Series of high-head centrifugal pumps. It is packaged by ADS into a fully mobile, skid-mounted unit with engine or motor prime mover, a vacuum pump and air separation tanks for automatic priming. With flow capacities up to 160 – 300 m³/h (typical) and heads reaching 80 – 110 m (typical), the BHF-150 is ideal wherever dependable high-head pumping with rapid deployment is essential.

Typical deployments include raw-water intakes, thermal power plant contingency pumping, mine dewatering, metro projects, and municipal storm bypass operations. Self-priming assistance and single-chassis mobility make it well suited for both permanent supply and managed rental (O&M) use.

MATERIAL OF Construction ADS BHF-150

Impeller : Bronze / SS304 / SS316 / CD4MCuN

Casing : Cast Iron / WCB / SS304 / CD4MCuN

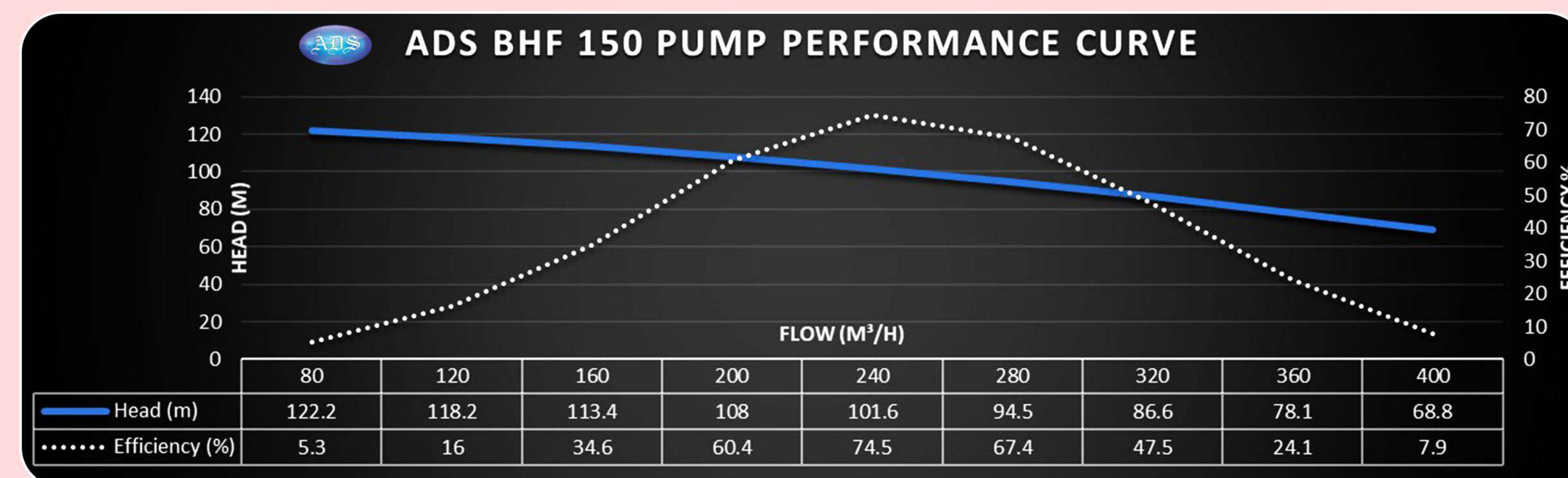
Shaft : SS304 / SS316

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

Technical Data

PARAMETER	SPECIFICATION
Flow Range	160 – 300 m³/h (typical)
Head Range	80 – 110 m (typical)
Efficiency	75%
Suction × Delivery	150 × 125 mm
Solids Handling	Up to 25 mm
Max Operating Speed	1500 rpm
Rated Prime Mover Capacity	150 HP / 110 kW
Hydrostatic Test Pressure	18 kg/cm²
Max Operating Temperature	60 °C

The performance curve below shows Head vs Flow for the ADS BHF-150 pump at 1500 rpm.



PRODUCT OVERVIEW

The ADS BHF-400 belongs to our BHF Series of high-head centrifugal pumps. It is packaged by ADS into a fully mobile, skid-mounted unit with engine or motor prime mover, a vacuum pump and air separation tanks for automatic priming. With flow capacities up to 200 – 450 m³/h (typical) and heads reaching 120 – 200 m (typical), the BHF-400 is ideal wherever dependable high-head pumping with rapid deployment is essential.

Typical deployments include raw-water intakes, thermal power plant contingency pumping, mine dewatering, metro projects, and municipal storm bypass operations. Self-priming assistance and single-chassis mobility make it well suited for both permanent supply and managed rental (O&M) use.

MATERIAL OF Construction ADS BHF-400

Impeller : Bronze / SS304 / SS316 / CD4MCuN

Casing : Cast Iron / WCB / SS304 / CD4MCuN

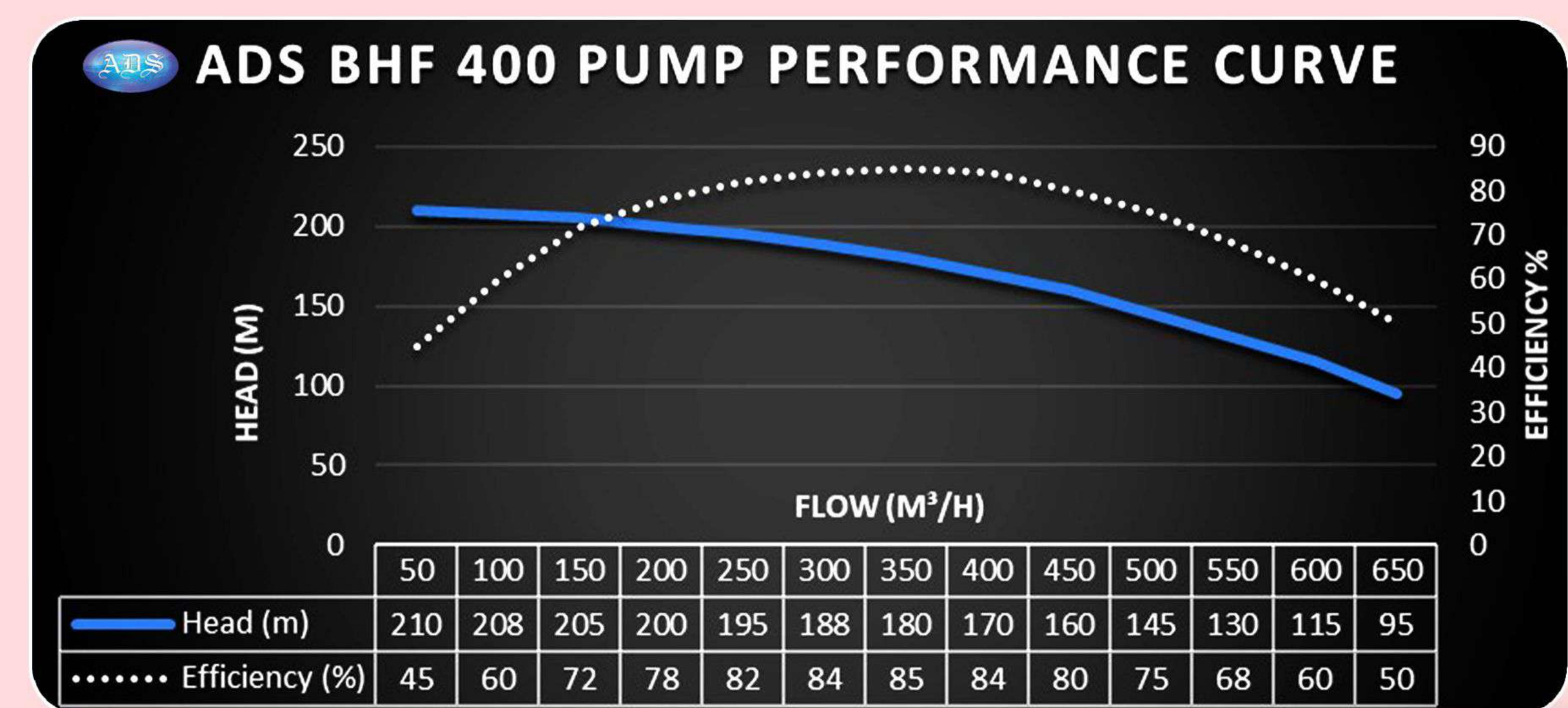
Shaft : SS304 / SS316

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

Technical Data

PARAMETER	SPECIFICATION
Flow Range	200 – 450 m³/h
Head Range	120 – 200 m
Efficiency	85 %
Suction × Delivery	200 × 150 mm
Solids Handling	Up to 30 mm
Max Operating Speed	1500 rpm
Rated Prime Mover Capacity	400 HP / 300 kW [confirm]
Hydrostatic Test Pressure	30 kg/cm² [confirm]
Max Operating Temperature	60 °C

The performance curve below shows Head vs Flow for the ADS BHF-400 pump at 1500 rpm.



DESIGN Features

- Robust high-head hydraulic design engineered by ADS for reliable performance
- Fully skid-mounted with engine/motor, vacuum pump, and air separation tank
- Rapid automatic priming and stable operation over long discharge lines
- Dynamically balanced impellers for vibration-free running
- Abrasion-resistant wetted parts and replaceable wear components
- Back pull-out construction for simplified maintenance
- Factory hydro-tested casing and high-reliability mechanical seal
- Suitable for permanent installation and rental fleet deployment

- Power Plants – Raw-water intake and contingency pumping at thermal & hydro stations.
- Mining – Pit dewatering, bench-to-surface transfer, emergency mine evacuation.
- Metro & Tunnels – Deep shafts and tunnel headings with high static head.
- Flood & Stormwater – Bypass pumping for municipalities, airports, industrial parks.
- Industrial Utilities – Steel, cement, fertilizer plants requiring high-head transfer.
- Municipal Water Boards – Clear-water transfer, booster service, hill-town supplies.

WHY CHOOSE ADS?

- 25+ Years of Dewatering & Pumping Experience
- 400+ Successful Projects Across India
- Trusted by NTPC, L&T, NHPC, Patel Engineering, Reliance, Adani, Tata Projects, JSW, and more
- Proven expertise in both supply and managed rental solutions

SUPPLY VS RENTAL Offerings

Supply (Sales): Available in multiple materials (CI, SS304/316, Bronze, CD4MCuN), optimized for long-term high-head installations in power, industrial, and municipal sectors.

Rental (With O&M): Fully integrated pumpsets provided on hire, including operation, running, and maintenance by ADS. Ideal for contingency pumping, mine pit evacuation, and emergency flood relief.