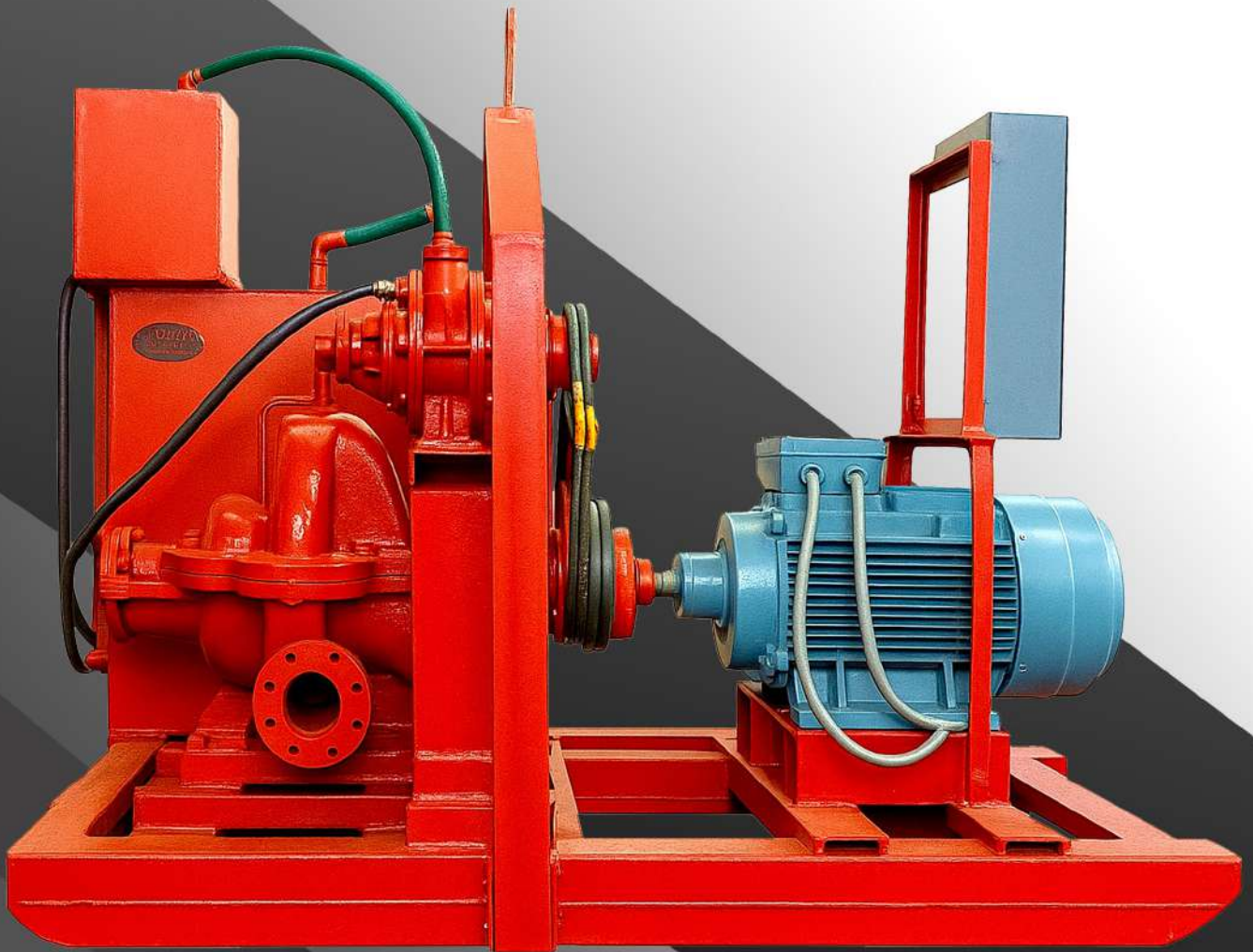




RESPONSIBLE DEWATERING, SUSTAINABLE SOLUTIONS

ADS BHF 1SD PUMP



***PERFORMANCE
BEYOND PRESSURE***



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

PUMP PERFORMANCE

Curve

PARAMETER

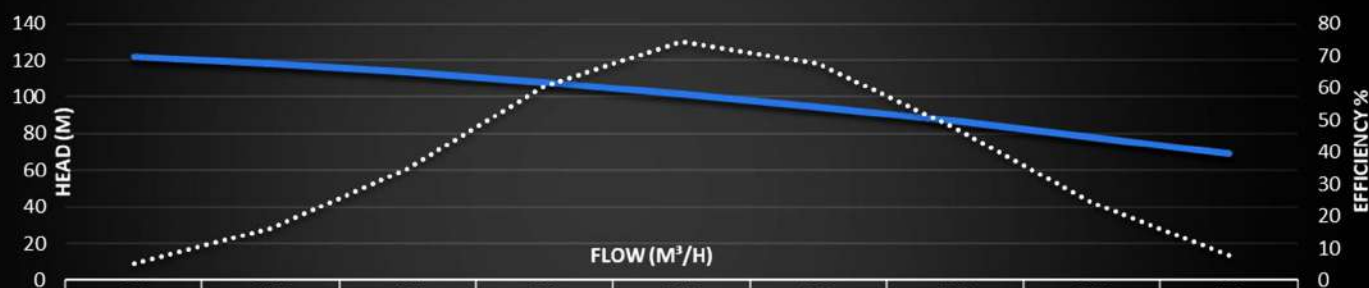
SPECIFICATION

Flow Range	160 – 300 m ³ /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/cm ²
Max Operating Temperature	60 °C

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



ADS BHF 150 PUMP PERFORMANCE CURVE



	80	120	160	200	240	280	320	360	400
— Head (m)	122.2	118.2	113.4	108	101.6	94.5	86.6	78.1	68.8
..... Efficiency (%)	5.3	16	34.6	60.4	74.5	67.4	47.5	24.1	7.9

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

Applications

- 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.



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