

DISCOVERY PUMP

Built for Heavy Flow

Discovery Pump Engine Driven

DWP-DI-20 (Base Skid Open Type)

Discovery Pump Specification

Pump Brand	Discovery
Pump Model	DI-20
Inlet Size	20inch (500 mm)
Outlet Size	20inch (500 mm)
Max Flow	4.400 m3/hr
Max Head	26 meter
Solid Particle Size	100 mm
Suction Head	7 meter
Connection Method	Direct Couple

Discovery Priming Vacuum Assist

Priming System	Mechanic Driven Rotary
Air Removal Cap	52cfm
Run Dry System	Oil Lubrication allows pump to run on dry completely without damage

Pump Construction Material

Pump Body Material	QT450 Cast Iron
Shaft	17-4 PH Stainless Steel
Impeller	304 Stainless Steel
Pump Type	Self Priming with VAT Technology
Seal	Mechanical Seal
Lubrication	Oil Lubrication

Diesel Engine Driven Specification

Engine Brand	Cummins
Max Power	250 kw
Auxiliary Pump Power	220 kw
Speed	1500 rpm
Fuel Consumption <small>(Based on average engine)</small>	30ltr/hr
Engine Instrument	Digital Display Engine Parameter, Indicating Speed, Oil Pressure, Battery Voltage, Water Temperature, Hour Meter
Safety Device	Automatic Engine Shut Off If Oil Pressure Low and High Temperature Indicator
Fuel Tank	500 Liter, Capable to Running Continue 8 Hours

Image colour on this pump can be different than the actual



Discovery Pump DWP-DI-20 is designed for **high-volume water transfer, flood control, and heavy-duty dewatering operations.**

Featuring a self-priming system with vacuum assist, it delivers rapid priming and consistent performance without manual intervention.

Built with high-grade materials for long-term durability, this pump ensures powerful flow, reliable engine output, and stable operation in demanding field conditions.

Feature and Benefit

- + No Need to put water in the suction pipe or hose, water just come out easily to discharge or outlet pump
- + Makes water suction more easy and more further
- + Automatic Priming System will instantly works after the engine start
- + No need foot valve
- + Less Maintenance
- + High Efficiency Pump
- + Big Flow and High Head
- + Available until 7200 m3/hr Cummins Engine
- + High Power Engine both for Defender and Cummins

Recommended Applications

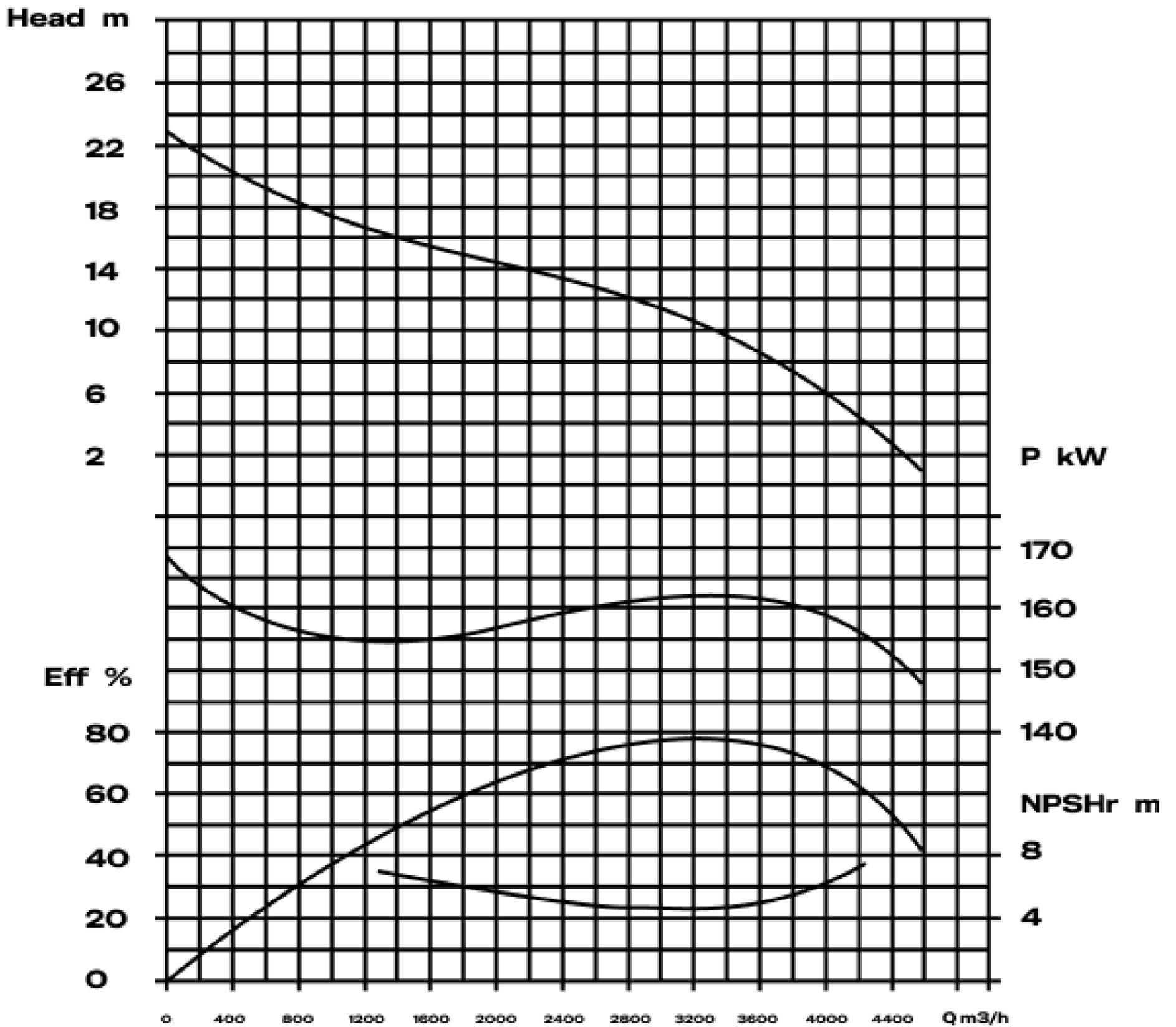
- Flood Emergency & Disaster response
- Municipal pumping & drainage
- Construction site dewatering
- Mining & Industrial Water Movement
- Irrigation & agricultural needs

Optional Packages

- ✓ Available rain cover enclosure box for engine
- ✓ Available rain cover enclosure box for engine and pump
- ✓ Available for 2 wheel trailer and 4 wheel trailer
- ✓ Can be modified according to field needs

Performance Curve

DI-20



This curve is based on clear water test

DI-20							
Cap (m ³ /h)	Head (m)	Speed (r/min)	Eff (%)	Pump Power (kW)	Engine Power (kW)	Section (NPSH) r m	Weight (kg)
3600	12	750	76.00	162.10	250	5.2	-

Product Image Examples



BASE SKID TYPE STANDARD CONFIGURATION

- Heavy Duty Base Skid
- Crane Lifting Hole
- Big Capacity Daily Fuel Tank
- 4 Bolt Hole For Diesel Pump Foundation

OPTIONAL PACKAGE

- Base Skid With Engine Shelter Canopy
- Base Skid With Engine Box Enclosure
- Base Skid With Engine and Pump Box Enclosure



2 WHEEL TRAILER TYPE STANDARD CONFIGURATION

- Heavy Duty Base Skid With 2 Wheel Trailer
- Leaf Spring Suspension
- Big Capacity Daily Fuel Tank
- 15 Inch Wheel Load Tyre With Tyre Cover
- Heavy Duty Towing Hook and Jack Stand
- Easy Handling

OPTIONAL PACKAGE

- 2 Wheel Trailer With Engine Shelter Canopy
- 2 Wheel Trailer With Engine Box Enclosure
- 2 Wheel Trailer With Engine and Pump Box Enclosure

4 WHEEL TRAILER TYPE STANDARD CONFIGURATION

- Heavy Duty Base Skid With 4 Wheel Trailer
- Leaf Spring Suspension
- Big Capacity Daily Fuel Tank
- 15 Inch Wheel Load Tyre With Tyre Cover
- Heavy Duty Towing Hook and Jack Stand
- Easy Handling
- Easy Turn With Swing Bearing Container

OPTIONAL PACKAGE

- 4 Wheel Trailer With Engine Shelter Canopy
- 4 Wheel Trailer With Engine Box Enclosure
- 4 Wheel Trailer With Engine and Pump Box Enclosure

