

# DISCOVERY PUMP

Built for Heavy Flow

## Discovery Pump Engine Driven DWP DI-8



### Discovery Pump Specification

|                     |                   |
|---------------------|-------------------|
| Pump Brand          | Discovery         |
| Pump Model          | DI-8              |
| Inlet Size          | 8 inch   (200 mm) |
| Outlet Size         | 8 inch   (200 mm) |
| Max Flow            | 900 m3/hr         |
| Max Head            | 25 meter          |
| Solid Particle Size | 100 mm            |
| Suction Head        | 7 meter           |
| Connection Method   | Direct Couple     |

Discovery Pump DWP DI-8 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.

### 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                              | Defender, Cummins, John deere, etc  |
| Max Power                                 | 120 kw (160 Hp)   |
| Auxiliary Pump Power                      | 80 kw (107 Hp)  |
| Speed                                     | 1800 Rpm  |
| Fuel Consumption(based on average engine) | 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  |

### 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 instanly works after the engine start
- +No need foot valve
- +Less Maintanance
- +High Efficiency Pump
- +Big Flow and High Head
- + Available until 7200 m3/hr
- +High Power Engine both for Defender and Cummins

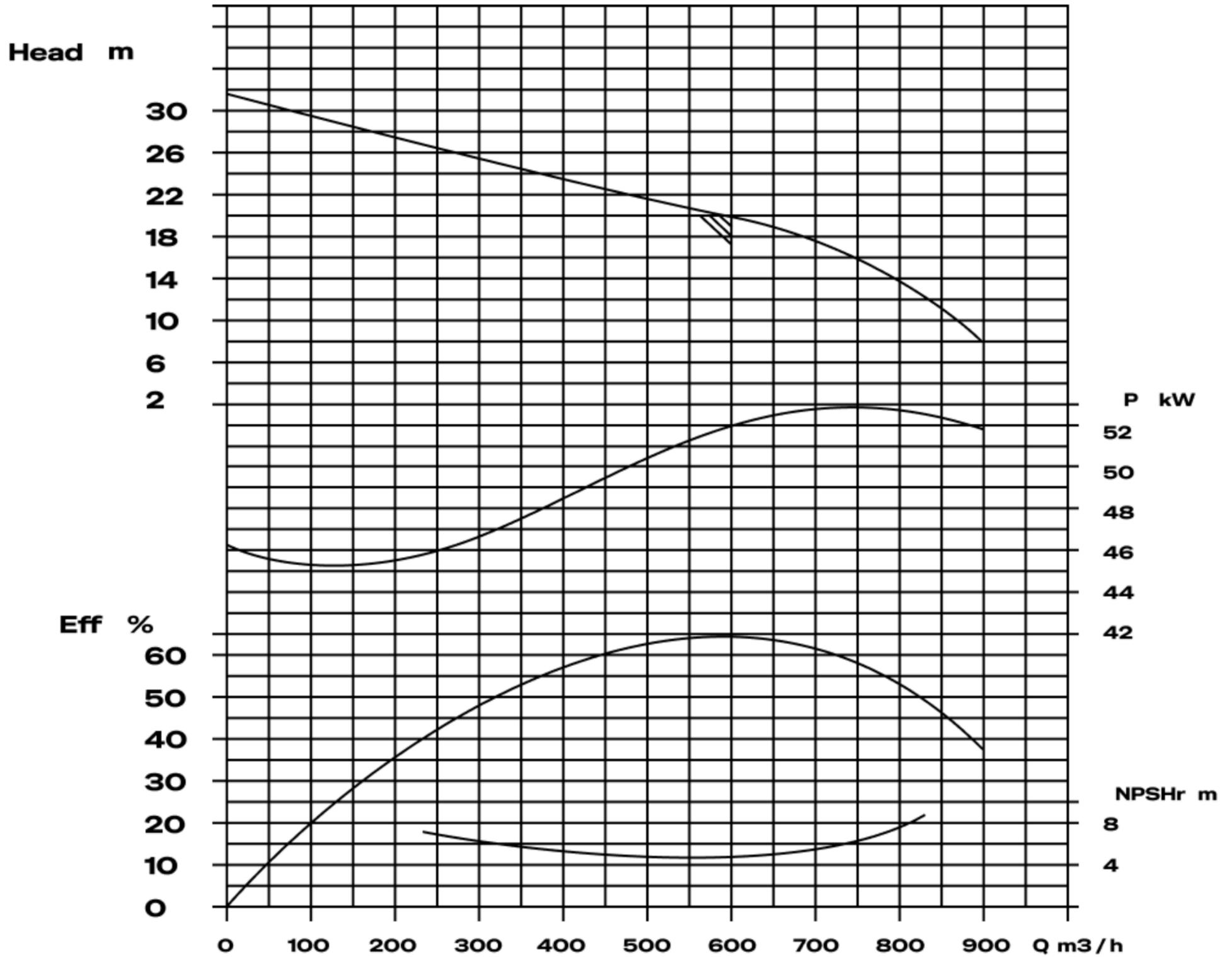
### Recommended Applications

- 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

## DI-8



This curve is based on clean water test

| DI-8 |      |       |       |            |              |         |        |
|------|------|-------|-------|------------|--------------|---------|--------|
| Cap  | Head | Speed | Eff   | Pump Power | Engine Power | Suction | Weight |
| 800  | 20   | 1800  | 63.00 | 51.79      | 85           | 4.87    | -      |

## 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

