

PRODUCT DATASHEET

DIESEL PORTABLE SEWAGE PUMP

IMP4D-18-HSS



198 m³/h
MAX FLOW

20m
MAX HEAD

4" x 4"
FLANGE

 **IMPELLR**
A TERRACORE COMPANY

SCAN HERE



The IMPELLR Dry Prime pump range delivers fast response to de-watering and sewage transfer applications and can be situated in remote locations. The Diesel engine powered pump set features a 100% mechanical diaphragm priming system that will suck even in dry conditions. Many user friendly features that help professionals keep sites waterlogged free or pumping sewage with solids quickly from a lagoon or lake with pipework, filtration, pipe ramps and many more IMPELLR equipment.

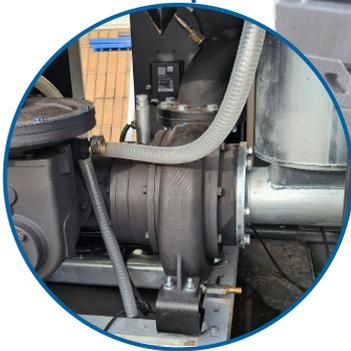
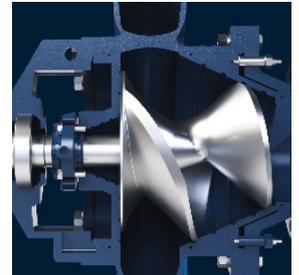
IMPELLR FEATURES

Positioning of Pump

Durable lifting eyes and fork pockets enable safe manoeuvre, allowing the pump to be placed into difficult areas.

Screw Impeller

Screw constructed pump that copes with modern day sewage that often contains non-degradable waste.



Easy Access doors

Made for practical access and easy maintenance of oil glasses, float box, impeller, non-return valve and more.



Secure Connections

Float switch sockets and Fuel feed and return couplers in secure location.



HVO Compatible Stage V Engines

Stage 5 engines for compliance and smooth running. Bunded fuel tank.

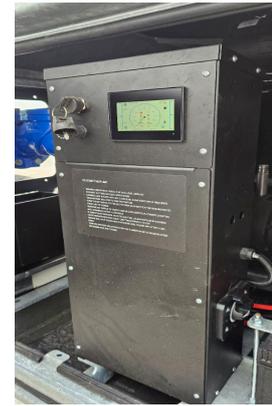


CONNEX

by Impellr

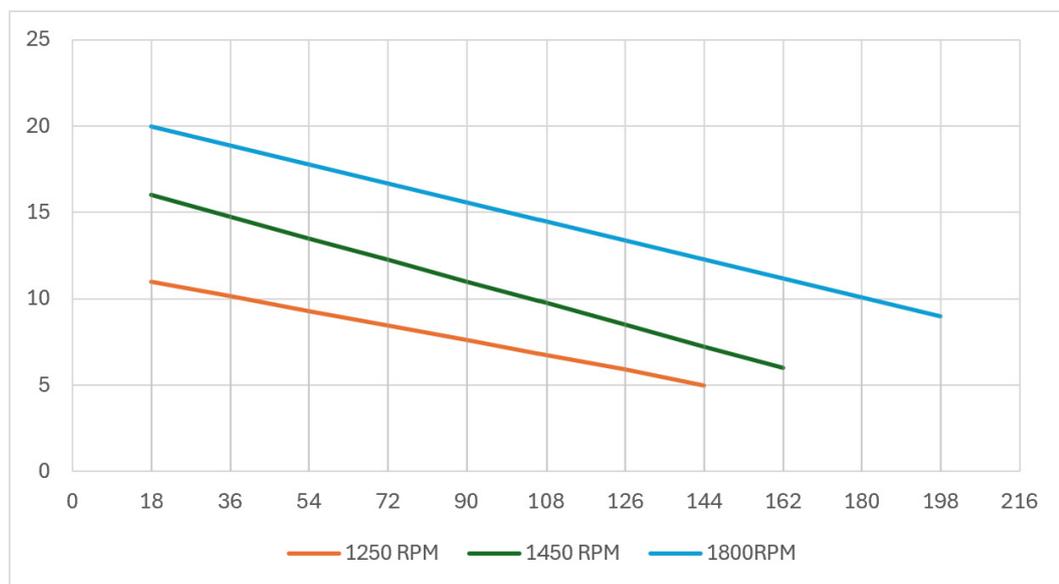
On-device Controller:

- Auto Start / Stop System
- Switch On / Off
- Tachnometer
- Hour Counter
- Warning Lights
- Two Float Switches
- Support for Automatic operation
- Tracked using CONNEX Cloud

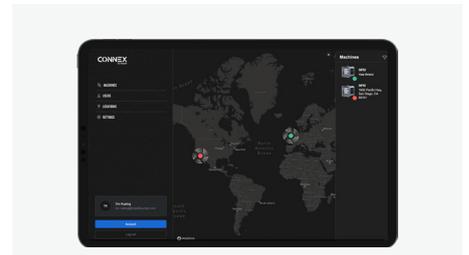
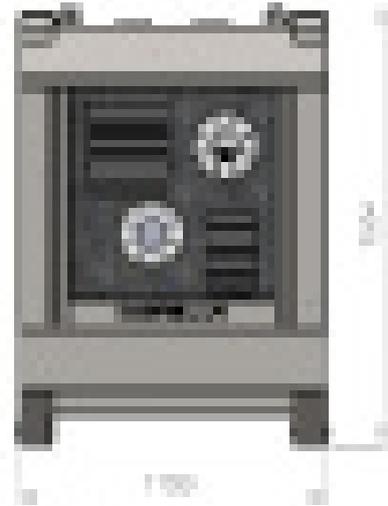
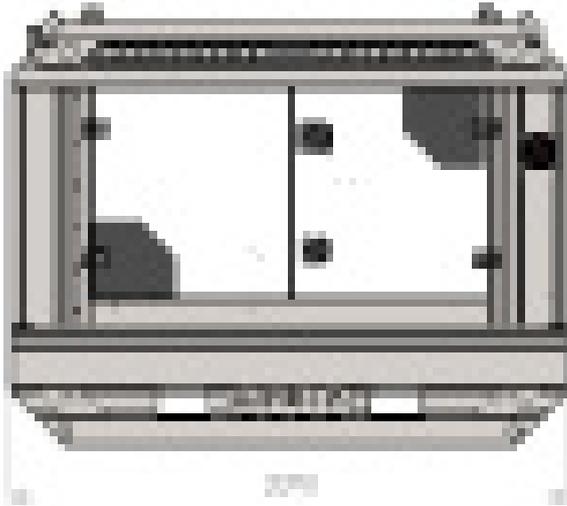


PERFORMANCE CURVES

Head/M



| IMP4D-18-HSS - Pump | | | |
|-------------------------------|---------------------|-----------------------------|-----------------------------------|
| Max Flow M3/HR (USGPM) | 198 (871) | Suction/Discharge mm (inch) | 100 (4") / 100 (4") |
| Max Closed Head M (FT) | 20 (65) | Impellr Type | Screw Impeller |
| Efficiency | 78% | Solids Handling mm (inch) | 75 (3") |
| BEP Flow M3/hr (USGPM) | 114 (501) @1500rpm | Impeller & Volute Material | Ductile Iron GGG40 |
| BEP Head M (Ft) | 10.3 (33) @1500rpm | Pump Shaft | AISI 316 |
| NPSHr @ BEP M (Ft) | () @1500rpm | Priming System | Mech Drive Diaphragm -50 m3/hr |
| Engine - 18 Kw (24 HP) | | | |
| Engine Type / Model | Hatz 3H50T | Speed RPM | 1250 - 1750 |
| Exhaust After Treatment | n/a | Service Intervals Hrs | 500 / 12 Months |
| Fuel Tank Size Litre (USG) | 300 (80) | Emissions Standard | Stage V |
| Canopy / Controls | | | |
| Weight with fuel Kg (Lbs) | Approx, 1650 (3640) | Dimensions LxWxH mm (inch) | 2100x1700x1980 (83x45x67) |
| Noise Level (dB) @ 7m | 66 | Controls | Connex Electronic |
| Internal / External Lighting | Standard 12V | Telemetry Control | Connex 2 Year Subscription |
| Battery Charger | Standard 240/110V | Fire Extinguisher | Standard 3Kg Dry Powder |
| Frost Protection | Optional 240V | High / Low Level Switches | Standard Float Type |



Trailer Mountable

A range of road and site-tow-spec trailers are available with optional hose and equipment carriers.

Pipework

A range of Bauer couplers, strainers and flanged pipework available.

Smart Software

Our CONNEX software platform allows you to manage and control your pumps remotely, with telemetry and more.



Hose and Pipes

Reinforced rubber suction and HDPE or galvanised steel pipes

Pipe Ramps

1M, 3M and 5.5M road ramps for easy vehicle or pedestrian access

Settlement Tanks

2.5, 6, 8 and 12 meter cube galvanised or painted settlement tanks with a range of outlet options.

