

PRODUCT DATASHEET

DIESEL PORTABLE GENERAL PURPOSE
PUMP

IMP4D-18-HVS



195
m³/h

28m
MAX HEAD

4" x 4"
FLANGE



IMPELLR
A TERRACORE COMPANY

SCAN HERE



The IMPELLR Dry Prime pump range delivers fast response to de-watering 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 transfer liquids with solids quickly from a lagoon or lake with pipework, filtration, pipe ramps and many more IMPELLR de-watering equipment.

IMPELLR FEATURES

Positioning of Pump

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

Spiral Impeller

Durable 2- blade spiral smooth flow open impeller for solids handling of site water, sewage and more viscous fluids



Easy Access doors

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



HVO Compatible Stage V Engines

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



Secure Connections

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



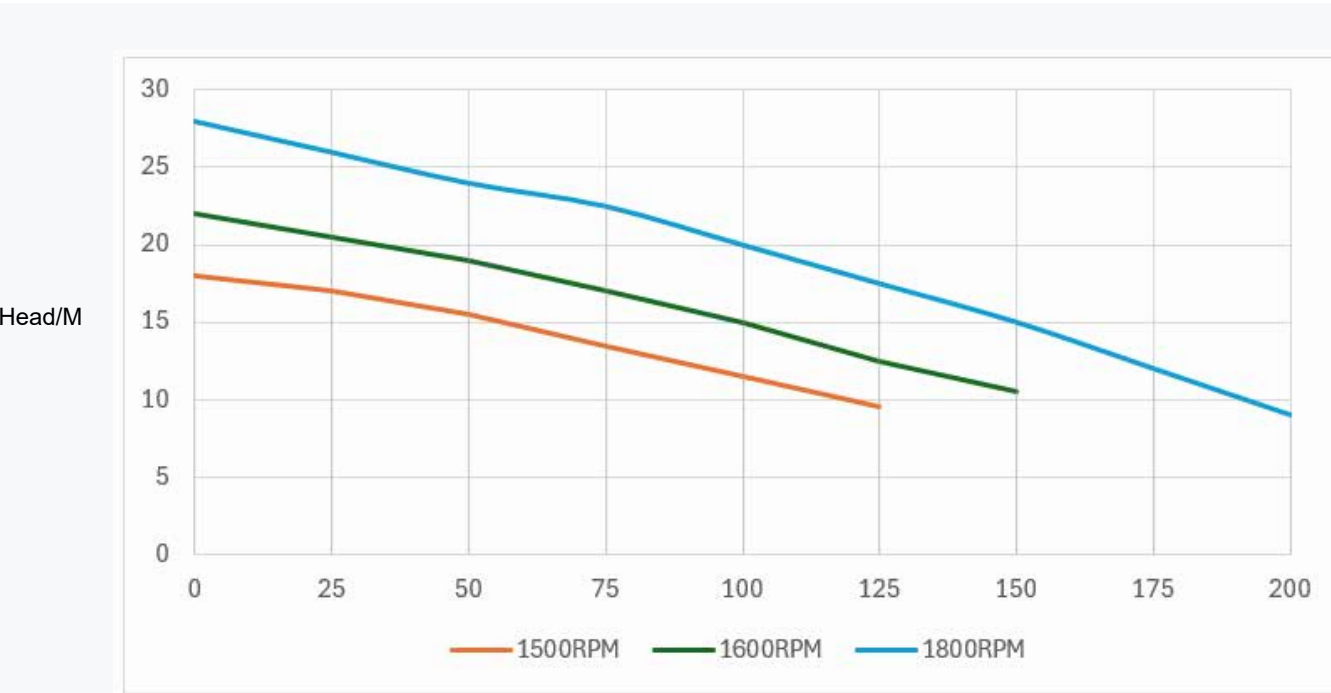
CONNEX

On-device Controller:

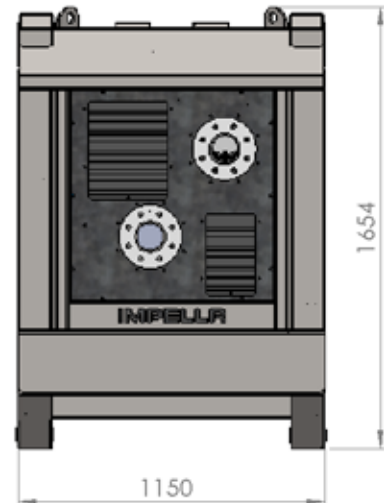
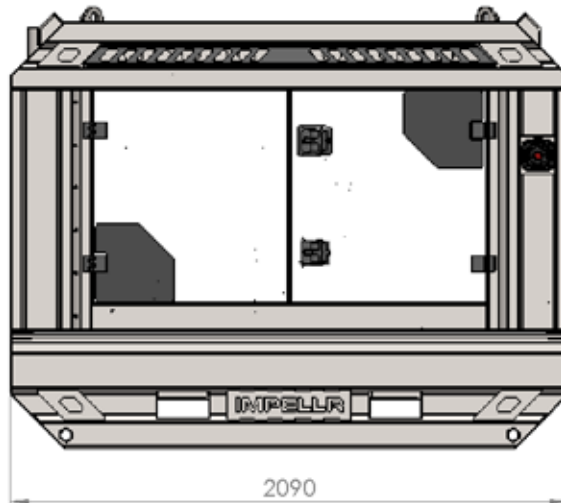
- Auto Start / Stop Sytem
- Switch On / Off
- Tachnometer
- Hour Counter
- Warning Lights
- Two Float Switches
- Support for Automatic operation
- Tracked using CONNEX Cloud



PERFORMANCE CURVES



IMP4D-18-HVS - Pump			
Max Flow M3/HR (USGPM)	195 (858)	Suction/Discharge mm (inch)	100 (4") / 100 (4")
Max Closed Head M (FT)	28 (91)	Impellr Type	2-Blade Spiral Open
Efficiency	57.5%	Solids Handling mm (inch)	35 (1.3")
BEP Flow M3/hr (USGPM)	144 (634)	Impeller & Volute Material	Ductile Iron
BEP Head M (Ft)	17 (55)	Pump Shaft	Stainless Steel 17-4PH
NPSHr @ BEP M (Ft)	4.2 (14)	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 Free
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 galvanized 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 galvanized or painted settlement tanks with a range of outlet options.

