

# PRODUCT DATASHEET

## DIESEL PORTABLE SEWAGE PUMP

IMP4D-11-HSS



**187**  
m<sup>3</sup>/h

**20m**  
MAX HEAD

**4" x 4"**  
FLANGE



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.



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.



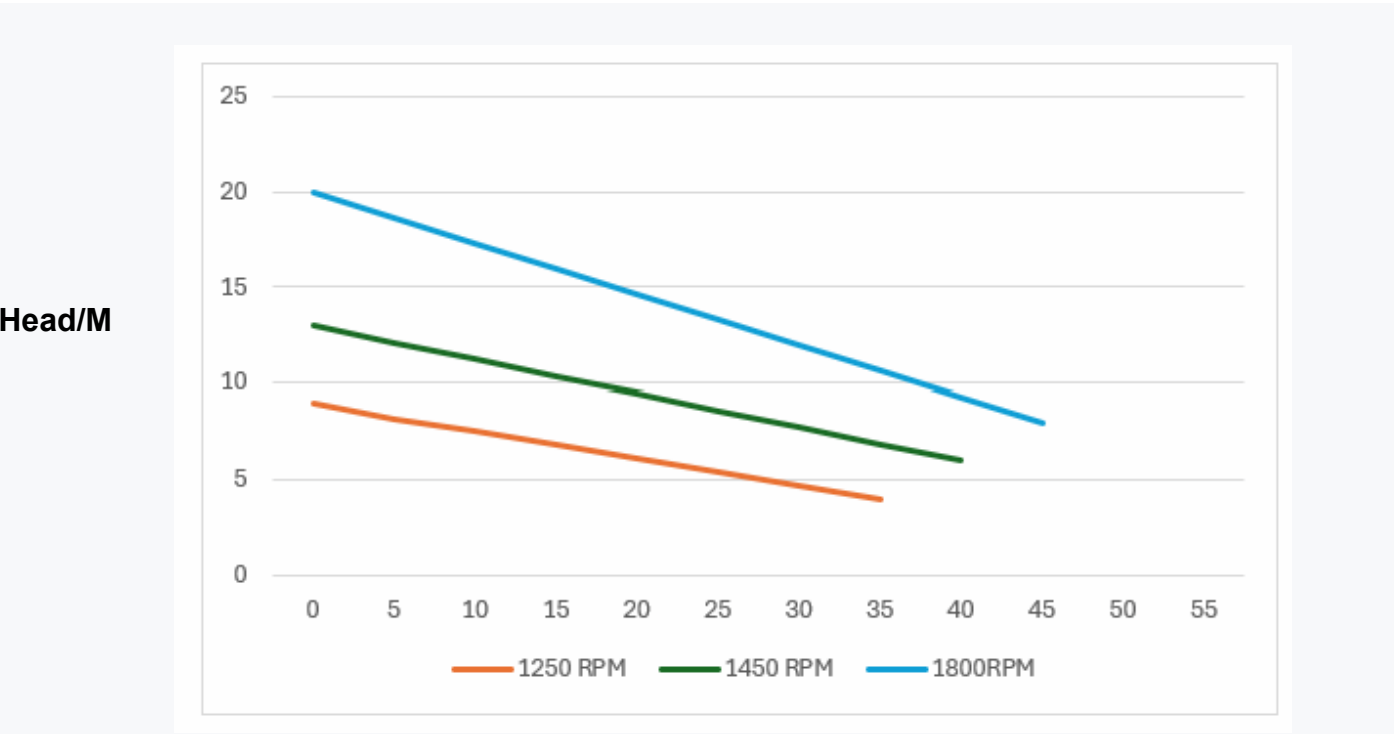
CONNEX

On-device Controller:

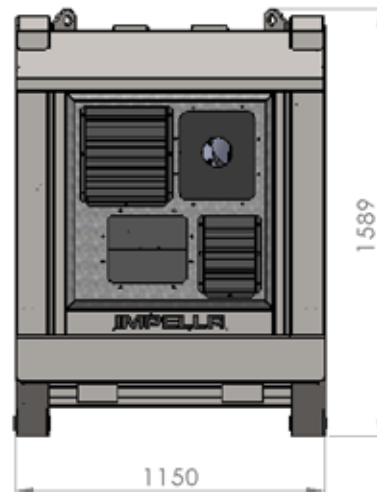
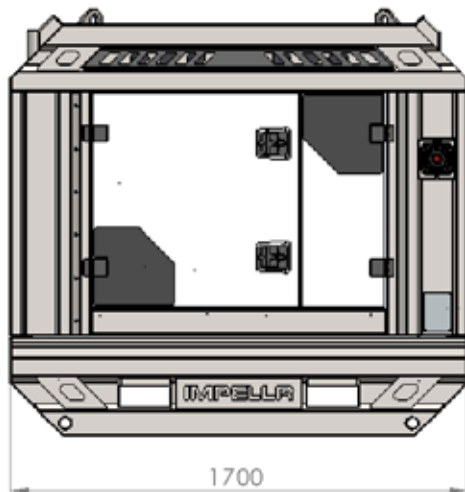
- Auto Start / Stop Sytem
- Switch On / Off
- Tachnometer
- Hour Counter
- Warning Lights
- Two Float Switches
- Support for Automatic operation
- Tracked using CONNEX Cloud



PERFORMANCE CURVES



IMP4D-11-HSS - Pump			
Max Flow M3/HR (USGPM)	187 (823)	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)	72 (317) @1500 rpm	Impeller & Volute Material	Ductile Iron GGG40
BEP Head M (Ft)	9 (30) @1500 rpm	Pump Shaft	AISI 316
NPSHr @ BEP M (Ft)	() @1500 rpm	Priming System	Mech Drive Diaphragm -50 m3/hr
Engine - 11 Kw (14 HP)			
Engine Type / Model	Hatz 1D90E	Speed RPM	1250 - 1750
Exhaust After Treatment	n/a	Service Intervals Hrs	500 / 12 Months
Fuel Tank Size Litre (USG)	200 (53)	Emissions Standard	Stage V
Canopy / Controls			
Weight with fuel Kg (Lbs)	Approx, 1650 (3640)	Dimensions LxWxH mm (inch)	1700x1150x1589 (67x45x62)
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.

