

4" DIESEL PUMP HIGH HEAD INDUSTRIAL SS

IDEAL USAGE

Projects that require transfer of liquids up to 250 m³/h under high pressure with an optimum of 190 m³/h for more specific industrial applications, where no electrical power supply is available

APPLICATIONS

Pumping of a great variety of aggressive and corrosive chemical liquids at higher heads, such as:

- Pipeline pigging
- Pumping of liquids over longer distances and into process installations



PERFORMANCE

Capacity:	250 m ³ /h (max), see curve
Best Efficiency Point:	190 m ³ /h @ 11 bar
Max head:	137 m @ 2,050 RPM, see curve
Suction lift:	8.5 m
Free passage:	20 mm
Temperature:	0 °C (min) - 120 °C (max)
Sound level:	65 dB(A) at 7 m
Fuel consumption:	28 l/h (max)
Max pre-pressure:	60 m

PUMP

Impeller:	Enclosed Type impeller
Priming system:	Mechanically driven diaphragm vacuum pump
Capacity vacuum system:	85 m ³ /h

WEIGHT AND MEASURES

Weight:	3,800 kg (total wet weight)
Length:	2,950 mm
Width:	1,450 mm
Height:	2,110 mm
Connections:	6" ANSI 150# suction side (x1) 4" ANSI 150# discharge side (x1)

MATERIAL

Pump housing:	Duplex stainless steel CD4 MCU, compatibility equal to SS316
Impeller	Duplex stainless steel CD4 MCU, compatibility equal to SS316
All wetted parts:	Duplex stainless steel CD4 MCU, compatibility equal to SS316
Gaskets & seals:	Viton
Mechanical seal:	Silicon Carbide Seal Faces, Viton Elastomers
Check valve flapper:	Viton
Fuel tank:	Steel
Canopy:	Coated steel, bottom part galvanised

ENGINE

Engine make / model:	JCB 444 TCEA
Engine power / RPM:	129 kW / 2,050 RPM
Engine speed:	Variable 1,200 - 2,050 RPM
Fuel tank:	700 litres (bundled)
Run Time:	25 hours at 2,050 RPM

FEATURES

Level control:	Yes, 20 m cable (suction side)
Optional:	High level stop (discharge side)
Lifting:	Single lifting eye and forklift pockets
Vacuum system valve:	Valve to switch off vacuum system when pre-pressure available
Pressure read out:	Suction and discharge pressure transducers installed for pressure read out on display

QUALITY AND SAFETY

Pressure transducer on discharge side to switch off pump when set pressure is reached

Air shut-off valve

Spark arrestor

Emergency stop switch

QMS inspections completed before every rental

CURVE



