

4" DIESEL PUMP INDUSTRIAL

IDEAL USAGE

Projects that require transfer of liquids up to 150 m³/h with an optimum of 105 m³/h for a wide range of industrial applications, where no electricity is available

APPLICATIONS

- Pumping of fluids containing larger solids, like sewage water
- Pumping of contaminated fluids, like waste water streams
- Pumping industrial waste containing large solids and industrial waste where flammable gas could be present



PERFORMANCE

Capacity:	150 m ³ /h (max), see curve
Best Efficiency Point:	105 m ³ /h @ 13 m
Max head:	18.5 m @1,700 RPM, see curve
Suction lift:	8.5 m
Free passage:	82 mm
Pre-pressure:	36 m (max)
Temperature:	0 °C (min) - 80 °C (max)
Sound level:	54 dBm(A) at 10 m

PUMP

Impeller:	Channel impeller
Priming system:	Mechanically driven diaphragm vacuum pump Double floater on vacuum system
Capacity vacuum system:	50 m ³ /h

WEIGHT AND MEASURES

Weight:	1,850 kg (total wet weight)
Length:	2,000 mm
Width:	1,050 mm
Height:	1,596 mm
Connections:	4" ANSI 150# suction side (x1) 4" ANSI 150# discharge side (x1)

MATERIAL

Pump housing:	GG20 cast iron
Impeller:	GGG40 ductile iron
Gaskets & seals:	Viton
Mechanical seal:	Silicon-carbide
Check valve flapper:	Viton
Fuel tank:	Composite
Canopy:	Galvanized frame with composite doors

ENGINE

Engine make / model:	Hatz ID90Z electric start
Motorpower / RPM:	6.5 kW / 1,700 RPM
Engine speed:	Variable 1,300 - 1,700 RPM
Fuel tank:	220 litres (bunded)
Fuel consumption:	1.5 l/h (max)
Run Time:	147 hours at 1,700 RPM

FEATURES

Level control:	Yes, 20 m cable (suction side)
Optional:	High level stop (discharge side)
Lifting:	Single lifting eye and forklift pockets

QUALITY AND SAFETY

Emergency stop switch
Air shut-off valve and spark arrestor
Fully bunded
QMS inspections executed before every rental

CURVE



