DEWATERING PROJECTS
SALES- PUMPS & ACCESSORIES
RENTAL, DRILLING AND SERVICES

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Vendor Code
Saudi Aramco – 10043968 SABIC - 507202
KIRLOSKAR ENGINE

Power Ratings
As per IS-18952
DEUTZ FRW2180
ISO 2846-541
ISO STD: Power
Continues Rate

DEUTZ ENGINE

Technical Data

DEWATERING PUMPS
This Pump is suitable for Dewatering, Sewerage Drainage and fuel transaction. The suction and discharge is with closed type impeller with mechanical seal. (Open type impeller also available). Priming Tank is made of Mild Steel (Stainless Steel also available) and the internal parts are of Teflon, Stainless Steel & Bronze which increase the life and efficiency of the pump. Volute Cast Iron (Stainless Steel also available) & Discharge Head Mild Steel (Stainless Steel also available) and it is designed in such a way that the shape of both helps to give better discharge. Shaft Impeller, Stuffing box and all other internal parts made of stainless steel. We are manufacturing the pumps as per the demand of the customer requirement like open impeller pumps, Electric Motors driven pumps with pneumatic 2 wheel on the road type and also solid type 4 wheel trolley.

4" PUMP SPECIFICATION

MODEL JAG 100
Vacuum Lift: 8 mtr
Shaft seal: Mechanical Seal
Vacuum Capacity: 70 cfm
Water flow: 100 - 120 m3/hr
Suction/Discharge: 4" x 4" (100mm x 100mm)
Total Head: 30 mtr
Volute Housing: High Grade Cast Iron
Pump Shafft: Stainless Steel SS - 304
Impeller: Stainless Steel SS - 304
Stainless Steel SS-304 with Double Stuffing Box: Mechanical seal immersed in oil bath for better efficiency & longer durability (b) Aluminium (Sykes Type) (c) Stainless Steel SS - 304 (Miller Type)
 Priming Tank -
Mounting: Portable Four wheel chassis with built in fuel tank having a Fuel Capacity of 160 liters.

KIRLOSKAR Engine Specification

<table>
<thead>
<tr>
<th>Engine</th>
<th>KIRLOSKAR 1A-27L 2-Cylinder Air Cooled Diesel Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>22 HP</td>
</tr>
<tr>
<td>Speed</td>
<td>1300 RPM</td>
</tr>
<tr>
<td>Starting</td>
<td>Electric</td>
</tr>
</tbody>
</table>

DEUTZ Engine Specification

<table>
<thead>
<tr>
<th>Engine</th>
<th>DEUTZ F2L1112 A1 4-Cylinder Air Cooled Diesel Engine</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>22 HP</td>
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<tr>
<td>Speed</td>
<td>1300 RPM</td>
</tr>
<tr>
<td>Starting</td>
<td>Electric</td>
</tr>
</tbody>
</table>

Performance Curve
**6" PUMP SPECIFICATION**

Model JAG 150

Vacuum Lift: 9 mtr

Shaft Seal: Mechanical Seal

Vacuum Capacity: 70 cfm

Water Flow: 350-400 m³/hr

Suction/Discharge: 6” x 6” (150mm x 150mm)

Total Head: 40 mtr

Volute Housing: High Grade Cast Iron

Pump Shaft: Stainless Steel SS-304

Impeller: DIA 269 mm, Stainless Steel SS-304

Stainless Steel SS-304 with Double Mechanical

Stuffing Box: Seal immersed in oil bath

for better efficiency longer durability

(i) Aluminium (Sykes Type)

(ii) Stainless Steel SS-304 (Miller Type)

Priming Tank: SS-304

Mounting Portable Four wheel chassis with built in fuel tank having a fuel capacity of 140 liters

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**DEUTZ Engine Specification**

<table>
<thead>
<tr>
<th>Engine</th>
<th>Deutz F6L912 Air cooled Diesel Engine</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>40 HP</td>
</tr>
<tr>
<td>Speed</td>
<td>1800 RPM</td>
</tr>
<tr>
<td>Starting</td>
<td>Electric</td>
</tr>
</tbody>
</table>

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**KIRLOSKAR Engine Specification**

<table>
<thead>
<tr>
<th>Engine</th>
<th>KIRLOSKAR FL3914, 4 Cylinder Air cooled Diesel Engine</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>38 HP</td>
</tr>
<tr>
<td>Speed</td>
<td>1800 RPM</td>
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<tr>
<td>Starting</td>
<td>Electric</td>
</tr>
</tbody>
</table>

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**8" PUMP SPECIFICATION**

Model JAG 200

Vacuum Lift: 8 mtr

Shaft Seal: Mechanical Seal

Vacuum Capacity: 70 cfm

Water Flow: 500-550 m³/hr

Suction/Discharge: 8” x 8” (200mm x 200mm)

Total Head: 40 mtr

Volute Housing: High Grade Cast Iron

Pump Shaft: Stainless Steel SS-304

Impeller: DIA 300 mm, Stainless Steel SS-304

Stainless Steel SS-304 with Double Mechanical

Stuffing Box: Seal immersed in oil bath

for better efficiency longer durability

(i) Aluminium (Sykes Type)

(ii) Stainless Steel SS-304 (Miller Type)

Priming Tank: SS-304

Mounting Portable Four wheel chassis with built in fuel tank having a fuel capacity of 160 liters
**12" PUMP SPECIFICATION**

**Model JAG 300**
- Vacuum Lift: 8 mtr
- Shaft Seal: Mechanical Seal
- Vacuum Capacity: 70 cfm (Double Vacuum Motor)
- Water Flow: 900-1220 m³/hr
- Suction/Discharge: 12" x 12" (300mm x 300mm)
- Total Head: 30 mtr
- Volute Housing: High Grade cast Iron
- Pump Shaft: Stainless Steel SS-304
- Impeller: Stainless Steel SS-304
- Stainless Steel SS-304 with Double Mechanical
- Stuffing Box: seal immersed in oil bath for better efficiency; longer durability
- Priming Tank: Mild Steel

Mounting Portable Four wheel chassis with built in fuel tank having a fuel capacity of 225 liters

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**DEUTZ Engine Specification**

<table>
<thead>
<tr>
<th>Engine</th>
<th>DEUTZ 4 L102 AV cooled Diesel Engine</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>55 HP</td>
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<tr>
<td>Speed</td>
<td>1800 RPM</td>
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<tr>
<td>Starting</td>
<td>Electric</td>
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**KILOSKAR Engine Specification**

<table>
<thead>
<tr>
<th>Engine</th>
<th>KILOSKAR 4 cylinder Air cooled Diesel Engine</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>52 HP</td>
</tr>
<tr>
<td>Speed</td>
<td>1800 RPM</td>
</tr>
<tr>
<td>Starting</td>
<td>Electric</td>
</tr>
</tbody>
</table>
3\\" JETTING PUMP SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>100 m³/hrs</td>
</tr>
<tr>
<td>Vacuum Capacity</td>
<td>30 cfm</td>
</tr>
<tr>
<td>Vacuum Lift</td>
<td>8 mtr</td>
</tr>
<tr>
<td>Capacity</td>
<td>34 kW</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>5 to 10 bar</td>
</tr>
<tr>
<td>Suction / Discharge</td>
<td>3\' x 2\' (75 mm x 50 mm)</td>
</tr>
<tr>
<td>Total Head</td>
<td>40 mtr</td>
</tr>
</tbody>
</table>

PISTON PUMP SPECIFICATIONS

Model JAG

- **Engine Output:** 9.6 kW
- **Cylinder Diameter:** 175 mm
- **Number of Cylinders:** 2 nos
- **Maximum Capacity:** 95 m³/hr
- **Maximum Head:** 22 mtr
- **Maximum Vacuum:** 9.4 mtr
- **Crankshaft:** Cast Iron, GG20
- **Connecting Rods:** Cast Iron
- **Valve Stem guide Screws:** Stainless Steel, SS-316
- **Studs in Pump body:** Stainless Steel, SS-317
- **Gear wheels on crank:** Cast Steel
- **Piston Bush:** Alloy Steel
- **Drive Pulley:** Cast Iron, CG 20

FEATURES

- Heavy duty Ball and Taper Roller Bearings
- Oil Sealed Seatings
- Bed Mounted type, two way suction and pressure operating
- Driven through Pulley and Belt for particular application on Truck

APPLICATIONS

- Transport Sewage
- Fertilizing Irrigation
- Drainage Pumps

MATERIALS

- Grade Cast Iron Body outer Components
- S.G Iron Rotor
- LE30 Vacuum Blade
- high impact & Temperature resistant

SEWAGE VACUUM PUMP SPECIFICATION

- **Rate of Flow Maximum:** 7000 LPM
- **RPM Maximum:** 1400 RPM
- **Working Pressure Maximum:** 2.5 Bar
- **Vacuum Maximum:** -9.094 Bar
- **Power Absorption Maximum Pressure:** 19 kW
- **Power Absorption Maximum Vacuum:** 12 KW

Scope of supply: Pump fitted on structure with Kirloskar Diesel Engine - 15 HP @ 1500 RPM
SUBMERSIBLE PUMP

Available with 3” (75m) to 6” (150m)

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>30m³ to 220m³</th>
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</thead>
<tbody>
<tr>
<td>Total Head</td>
<td>32mtr to 100mtr</td>
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<tr>
<td>Power</td>
<td>38 kw (5hp) to 30 kw (40hp)</td>
</tr>
<tr>
<td>PUMP Application</td>
<td>Three Phase 380v, 60Hz / 50Hz</td>
</tr>
<tr>
<td>Single / Three Phase 400v, 60Hz / 50Hz</td>
<td></td>
</tr>
</tbody>
</table>

BOOSTER PUMP 8” X 6”

Suction & Discharge 150 mm * 150 mm
Flow 300 m³/hr
Total Head 30 mtr
Valve Housing Cast Iron
Impeller Stainless Steel
Pump Shaft Stainless Steel
Shaft Seal Mechanical Seal

Air Cooled Diesel Engine
Capacity 54 kw
Speed 2000 rpm
Starting Electric

Jadg
A COMPLETE DEWATERING SOLUTION