### PERFORMANCE DATA

- Flow (min/max): 2200 gpm / 7800 gpm
- Minimum Shutoff Head: 100 feet (43 psi) @ 1593 rpm (1)
- Maximum Shutoff Head: 178 feet (77 psi) @ 2124 rpm (1)
- Minimum Speed(5): 1600 rpm
- Maximum Speed(5): 1950 rpm
- Maximum Suction Lift: 25 feet (2)
- Maximum Casing Press: 225 psi
- Maximum Temperature: 190°F (7)
- Maximum Solids Size: 4.75" spherical diameter

### PUMP SPECIFICATIONS

- Impeller: 19.5"
- Bearing Lubrication: Grease
- Vacuum System: 34 cfm Compressor/Venturi
- Mechanical Seal Lubrication: SAE No. 30 Oil (3)

### PHYSICAL SPECIFICATIONS

- Suction Size: 12" flange
- Discharge Size: 12" flange
- Approximate Weight: 11035 lbs dry / 12100 lbs wet
- Overall Height: 86" (to top of lifting eye)
- Overall Width: 75" (outer most edges)
- Overall Length: 181" (nose to tail)

Enclosure

> Enclosure is made from Galvanneal. Hinged doors on each side provide easy interior access for servicing. Soundproof insulation provides the quietest operation in the industry, and the entire unit, including controls, can be locked for added security.

### MATERIAL SPECIFICATIONS

- Pump Casing: Cast Iron
- Shaft Sleeve: Heat Treated 416 SS
- Wear Rings: Cast Iron
- Mechanical Seal Faces: Tungsten/Silicon-Carbide
- Pump Shaft: 1144 SAE Stressproof
- O-rings: Viton
- Impeller: Cast Iron
- Check Valve Body: Gray Iron No. 30
- Check Valve Flapper: Buna-N

### ENGINE SPECIFICATIONS

- Engine Make/Model: Deere 4045H
- Total Displacement: 4.5 Liter
- Aspiration: Turbocharged
- Max. Continuous BHP: 154 @ 2400 rpm (4)
- Crankcase Oil: SAE 10W40 (5)
- Coolant: 50/50 Water/Antifreeze
- Safety Shutdowns: High Water Temp, Low Water Level & Low Oil Pressure
- Fuel Consumption: 5.5 gal/hr @ 1800 rpm (6)
- Run Time: 27 hours at 1800 rpm at 80% Engine Load
- Fuel Capacity/Type: 150 gal of No. 2 diesel
- Number of Cylinders: Four

Notes:

1. Based on 1.0 specific gravity
2. Depends on flow rate, pump speed, and elevation. See performance curve.
3. Should always be visible and clear in appearance thru sight glass.
4. WARNING – this is the rated speed for the ENGINE ONLY. The rated speed of the pump is less. See curve for max pump RPM.
5. Must be changed every 250 hours of runtime.
6. Run time fluctuates with speed and engine loads.
7. Equipment material limitation. Lower max temperature may be necessary due to application conditions and pump NPSH requirements.

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. No guarantee of accuracy is given or implied because variations can and do exist.

NO WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY BAKERCORP, EITHER EXPRESSED OR IMPLIED.
PHYSICAL SPECIFICATIONS

PERFORMANCE CURVE: Special Note - The transmission runs at a gear reduction ratio of 1.77/1 to slow the pump.

<table>
<thead>
<tr>
<th>SPEED</th>
<th>IMP. DIA.</th>
<th>STYLE</th>
<th>SOLIDS DIA.</th>
<th>N.S.</th>
<th>SUCTION</th>
<th>DISCHARGE</th>
<th>No. VANES</th>
</tr>
</thead>
<tbody>
<tr>
<td>VARIOUS</td>
<td>19.5&quot;</td>
<td>ENCLOSED</td>
<td>4.75&quot;</td>
<td>2600</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>2</td>
</tr>
</tbody>
</table>

**BP1212LS-CD154AS**

**Engine**
- MAKE: JOHN DEER
- MODEL: 4045H
- RATING: 154 HP @ 2400 RPM

**Pump**
- MAKE: BAKERPRIME
- MODEL: BP1212LS
- CURVE NO: BP1212LS-1
- SUCTION: 12 INCH
- DISCHARGE: 12 INCH
- MAX SOLID: 4.75 INCH
- IMP. DIA: 19.5 INCH
- MAX SPEED: 1200 RPM
- MIN SPEED: 900 RPM

NOTE: CURVES BASED ON 1.0 SPECIFIC GRAVITY