

PRODUCT DATA SHEET

3/13/2013

BP1212LS-GD154AS

BakerPrime 12x12 Low Pressure Solids Handling Unit (Attenuated, Skid)

GENERAL INFORMATION

The compressor/venturi priming system uses a compressor to blow compressed air through a jet into a tapered tube to create a vacuum on the suction.

PERFORMANCE DATA

» Flow (min/max):	- 1100 gpm / 6000 gpm
» Minimum Shutoff Head:	- 44 feet (19 psi) @ 1400 rpm (1)
» Maximum Shutoff Head:	- 109 feet (47 psi) @ 2200 rpm (1)
» Minimum Speed:	- 1400 rpm
» Maximum Speed:	- 2200 rpm
» Maximum Suction Lift:	- 25 feet (2)
» Maximum Casing Press:	- 71 psi
» Maximum Temperature:	- 160°F
» Maximum Solids Size:	- 3" spherical diameter

PUMP SPECIFICATIONS

» Impeller:	- 15.5"
» Bearing Lubrication:	- SAE No. 30 Oil
» 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:	- 10435 lbs dry / 11500 lbs wet
» Overall Height:	- 92" (to top of lifting eye)
» Overall Width:	- 54" (outer most edges)
» Overall Length:	- 174" (nose to tail)

Enclosure

> Enclosure is made from Galvaneal. 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.

» Sound Rating:	- 67 dBA at 23 feet
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MATERIAL SPECIFICATIONS

» Pump Casing:	- Cast Iron 30
» Shaft Sleeve:	- 304 S.S.
» Wear Rings:	- Ductile Iron & C93200 Bronze
» Mechanical Seal Faces:	- Silicon-Carbide/Silicon-Carbide
» Pump Shaft:	- 17-4 PH Stainless Steel
» O-rings:	- Viton & Buna N
» Impeller:	- Ductile Iron
» Check Valve Body:	- Ductile Iron
» Check Valve Flapper:	- Buna-N

ENGINE SPECIFICATIONS

» Engine Make/Model:	- Deere 4045H
» Total Displacement:	- 4.5 Liter
» Aspiration:	- Turbocharged
» Max. Continuous BHP:	- 154 @ 2200 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:	- 5.22 gal/hr @ 1800 rpm (6)
» Run Time:	- 29 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.

BakerCorp Reference # 404-0101

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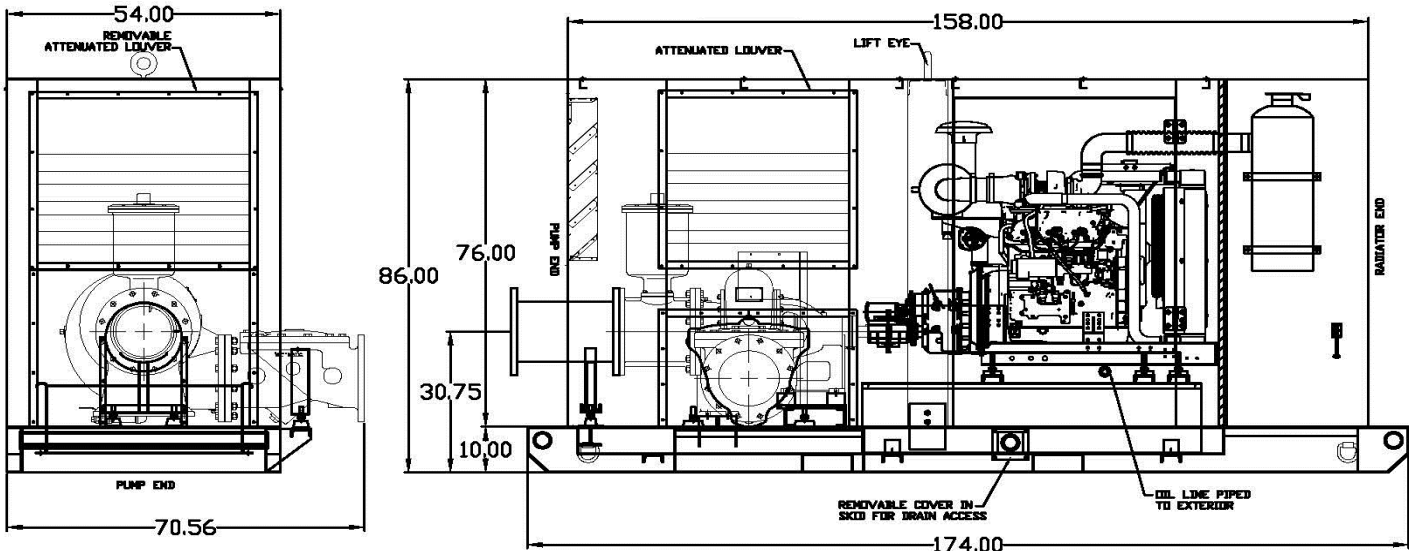
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PHYSICAL SPECIFICATIONS



Performance Curve

