

PRODUCT DATA SHEET

3/13/2015

DP66LS-CK740T

BakerPrime 6x6 Low Pressure Solids Handling Unit (Open, Trailer)

GENERAL INFORMATION

An air diaphragm pump is used to create the vacuum on the suction side of the pump.

PERFORMANCE DATA

» Flow (min/max):	- 550 gpm / 2700 gpm
» Minimum Shutoff Head:	- 50 feet (22 psi) @ 1200 rpm (1)
» Maximum Shutoff Head:	- 150 feet (65 psi) @ 2100 rpm (1)
» Minimum Speed:	- 1200 rpm
» Maximum Speed:	- 2100 rpm
» Maximum Suction Lift:	- 25 feet (2)
» Maximum Casing Press:	- 150 psi
» Maximum Temperature:	- 190°F
» Maximum Solids Size:	- 3" spherical diameter

PUMP SPECIFICATIONS

» Impeller:	- 10.09"
» Bearing Lubrication:	- Grease
» Vacuum System:	- Diaphragm pump, up to 50 cfm air flow
» Mechanical Seal Lubrication:	- SAE No. 30 Oil (3)

PHYSICAL SPECIFICATIONS

» Suction Size:	- 6" flange
» Discharge Size:	- 6" flange
» Approximate Weight:	- 3529.4 lbs dry / 4069 lbs wet
» Overall Height:	- 78.98" (to top of lifting eye)
» Overall Width:	- 68.25" (outer most edges)
» Overall Length:	- 126.44" (nose to tail)

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:	- Kohler
» Total Displacement:	- 2.4 Liter
» Aspiration:	- Turbocharged
» Max. Continuous BHP:	- 74 @ 2600 rpm (4)
» Crankcase Oil:	- SAE 10W40 (5)
» Coolant:	- 50/50 Water/Antifreeze
» Safety Shutdowns:	- High Water Temp & Low Oil Pressure
» Fuel Consumption:	- 2.8 gal/hr @ 1800 rpm (6)
» Run Time:	- 27 hours at 1800 rpm at 80% Engine Load
» Fuel Capacity/Type:	- 76 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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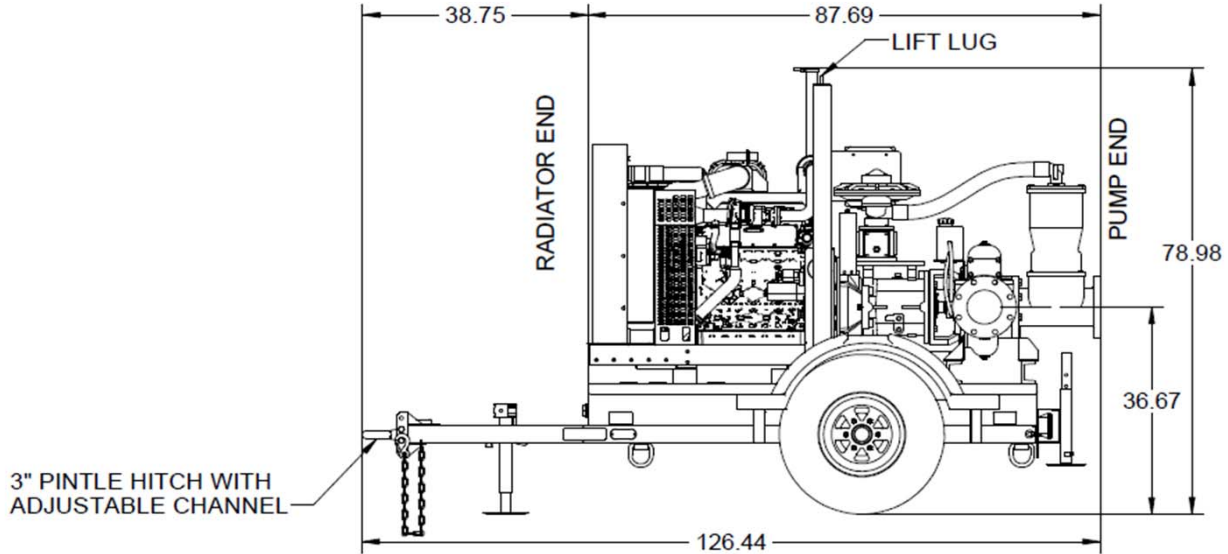
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PHYSICAL SPECIFICATIONS



Performance Curve

