

PRODUCT DATA SHEET

July, 2009

T6A60 SELF-PRIMING PUMP

GENERAL INFORMATION

This pump is designed to reprime automatically in a completely open system – without a need for suction or discharge check valves. There is no need for add-on vacuum pumps or compressors.

PERFORMANCE DATA

» Flow (min/max):	-	400 gpm / 1600 gpm
» Maximum Shutoff Head:	-	152 feet (66 psi) ⁽¹⁾
» Maximum Suction Lift:	-	25 feet ⁽²⁾
» Speed (min/max):	-	1000 rpm / 1700 rpm
» Maximum Casing Press:	-	98 psi
» Maximum Temperature:	-	160°F
» Maximum Solids Size:	-	3" spherical diameter

PUMP SPECIFICATIONS

» Impeller:	-	12.38", open type, two vanes
» Bearing Lubrication:	-	SAE No. 30 Oil
» Vacuum System:	-	None
» Mech. Seal Lubrication:	-	Oil

PHYSICAL SPECIFICATIONS

» Suction Size:	-	Six-inch flange/female NPT
» Discharge Size:	-	Six-inch flange/female NPT
» Total Weight:	-	3905 lbs. (approx.) ⁽⁴⁾
» Overall Height:	-	7'-6"
» Overall Width:	-	6'-0" (approx)
» Overall Length:	-	11'-0" (approx)

MATERIAL SPECIFICATIONS

» Pump Casing:	-	Gray Iron No. 30
» Shaft Sleeve:	-	Alloy steel No. 4130
» Wear Plate:	-	Carbon steel No. 1015
» Mechanical Seal Faces:	-	Silicon carbide
» Cover Plate:	-	Gray Iron No. 30
» Pump Shaft:	-	Stainless steel No. 17-4 PH
» O-rings:	-	Buna-N
» Impeller:	-	Ductile Iron No. 65-45-12
» Check Valve Flapper:	-	Neoprene w/steel reinforcing

ENGINE SPECIFICATIONS

» Engine Make/Model:	-	John Deere 4045D
» Max. Cont. BHP:	-	72 @ 2500 ⁽⁵⁾
» Crankcase Oil:	-	SAE 10W40 ⁽³⁾
» Safety Shutdowns:	-	High water temperature & low oil pressure
» Fuel Capacity/Type:	-	88 gallons of No. 2 diesel
» Fuel Consumption:	-	2.72 gal/hr @ 2000 rpm
» Run Time:	-	32 hours + ⁽⁴⁾
» Coolant:	-	6 gal. 50/50 water/antifreeze
» Number of Cylinders:	-	Four

Notes:

- (1) Based on 1.0 specific gravity
- (2) Depends on flowrate and pump speed
- (3) Midrange compromise. See John Deere manual
- (4) Includes weight of trailer, pump and engine

SELF-PRIMING PUMP CURVE

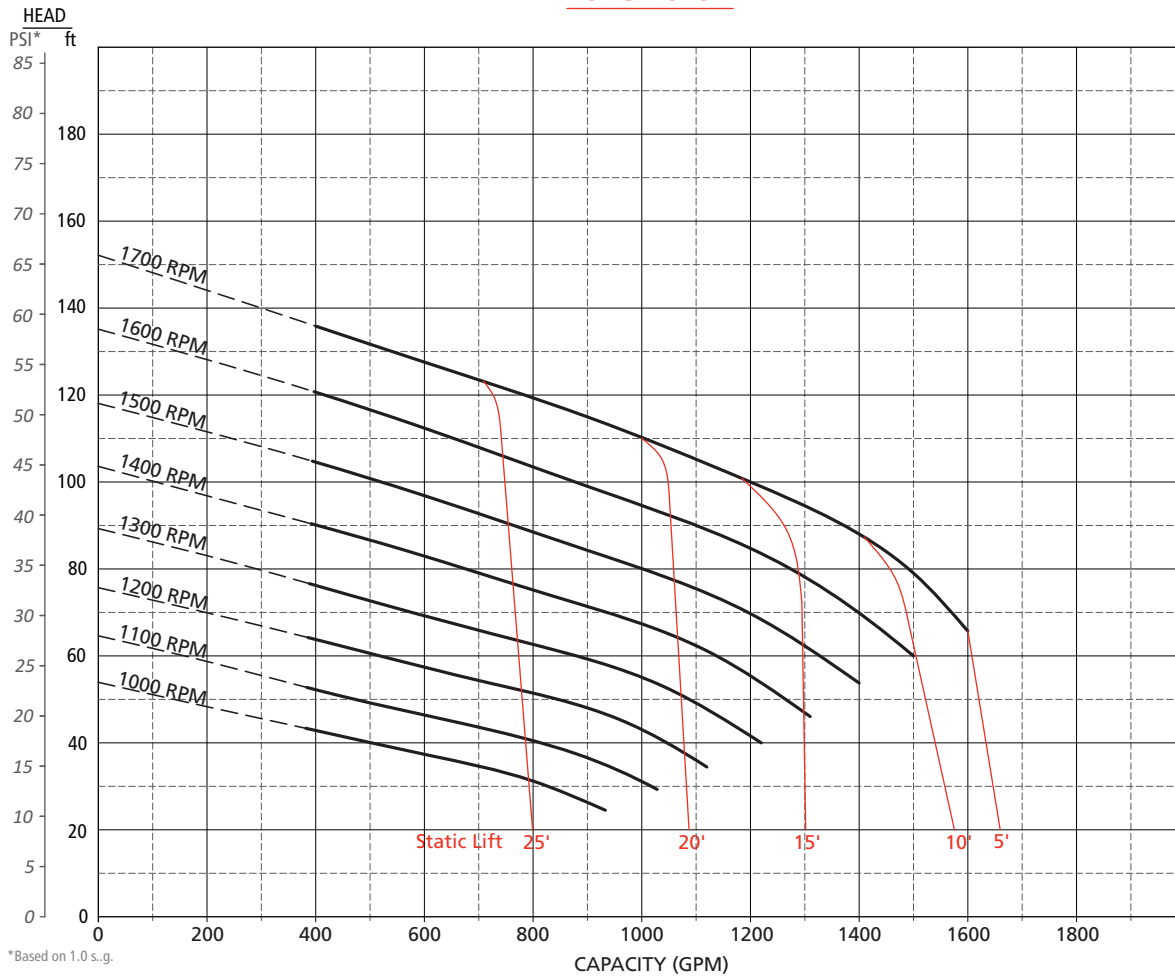
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T6AS-4045D



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PUMP	
MODEL	T6A60
CURVENO.	T6AS-4045D-1
SUCTION	6-inch
DISCHARGE	6-inch
MAXSOLID	3-inch
IMP. DIA.	12.38 inches
SPEED	Various
MIN SPEED	1000 RPM

DRIVER
 Diesel engine and electric motor driven versions are available. Consult your local BakerCorp representative for availability.

