



Xylem - Goulds Water Technology Pump Performance Data



Customer: LEE MATHEWS
PO #: 2198604

Acceptance Standard: HI 14.6-2B
Project:

CO #: 4308205
Test Date: 9/20/2016

Performance Test Conditions

Pump #: 3	Specific Gravity: 1.00	Required Speed (rpm): 1770
Pump Type: VIT-CF	Viscosity (ssu): 1.0	Required Capacity (gpm): 700
Bowl Model: 11CMC	Water Temp. (°F): 77	Discharge Flange TDH (ft): 334.0
Stages: 5	Test Driver: Job Motor	
Impeller Material: 1203	Driver S/N: X057646618-0003M0002	Pressure Trans.: 300psig (Q4021)
Bowl Material: 6911	Job Driver Power (hp): 100.0	Torque Meter: Name Plate
1st Imp. Dia. (in): 8.00	1st Imp. Qty.: 5	Flow Meter: 8 in (Q3012)
2nd Imp. Dia. (in):	2nd Imp. Qty.:	Tested By: Brandon Hopper

Readings During Test

POINTS	1	2	3	4	5	6	7
Disch. Pressure (psi)	179.0	171.5	164.3	159.5	147.0	113.8	72.4
Discharge Head (ft)	413.5	396.2	379.5	368.4	339.6	262.9	167.2
Gauge Elevation (ft)	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Velocity Head (ft)	0.00	0.02	0.08	0.19	0.32	0.59	0.94
Input Voltage (V)*	487.7	487.0	486.3	486.3	484.0	485.3	484.9
Input Current (amp)*	57.1	61.7	68.9	79.7	89.2	98.2	100.5
Power Factor*	0.80	0.80	0.90	0.90	0.88	0.90	0.90
Input Elec. Power (kW)*	43.0	47.9	51.6	64.6	55.2	84.2	83.6
Motor Efficiency	94.50	94.50	94.50	94.50	94.50	94.50	94.50

* electrical power readings are for reference only.

Data Recorded at Running Speed

Speed (rpm)	1793	1792	1791	1790	1788	1787	1787
Capacity (gpm)	0	182	364	546	707	959	1212
Pump TDH (ft)	418.5	401.2	384.6	373.6	344.9	268.5	173.2
Pump Power (hp)	41.1	45.7	49.2	61.6	70.6	80.3	79.8
Pump Efficiency (%)	0.0	40.4	71.9	83.6	87.2	81.0	66.4

Data Converted to Customers Speed

Speed (rpm)	1770	1770	1770	1770	1770	1770	1770
Capacity (gpm)	0	180	360	540	700	950	1200
Pump TDH (ft)	407.8	391.4	375.7	365.3	338.0	263.4	169.9
Pump Power (hp)	39.5	44.0	47.5	59.6	68.5	78.0	77.5
Pump Efficiency (%)	0.0	40.4	71.9	83.6	87.2	81.0	66.4

Certified Test Results
 By:
 Title: ENGINEER
 Date: September 20, 2016

Witness
 By: _____
 Date: _____



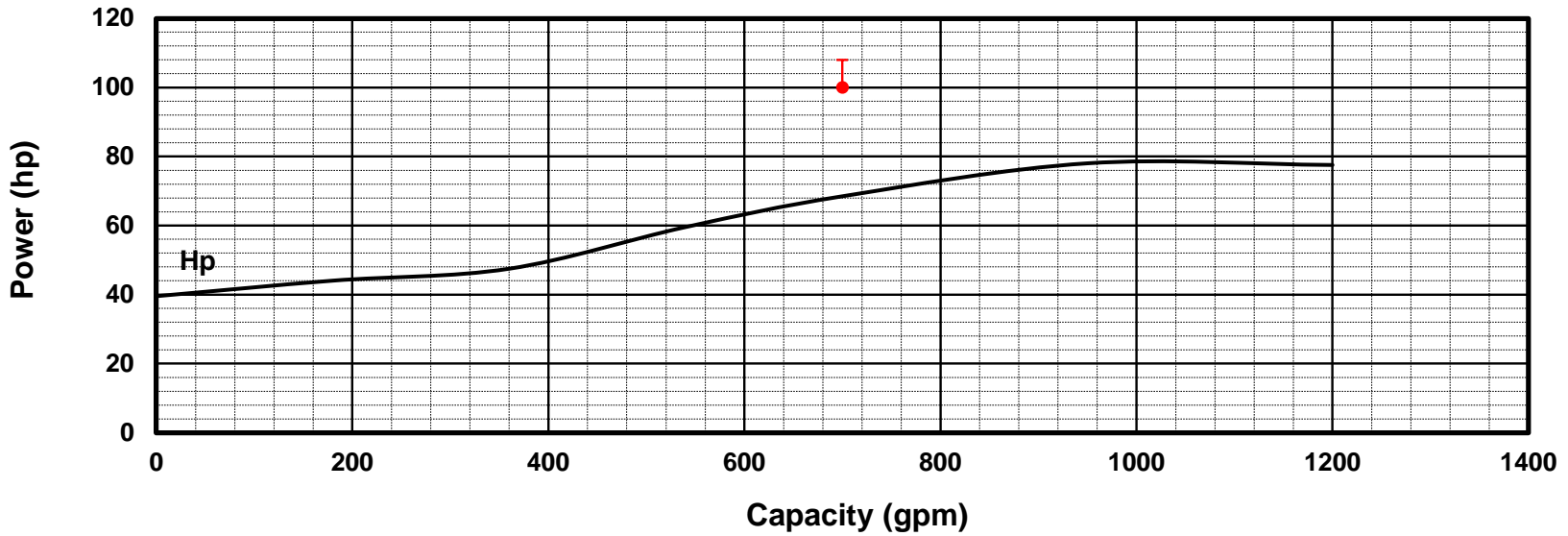
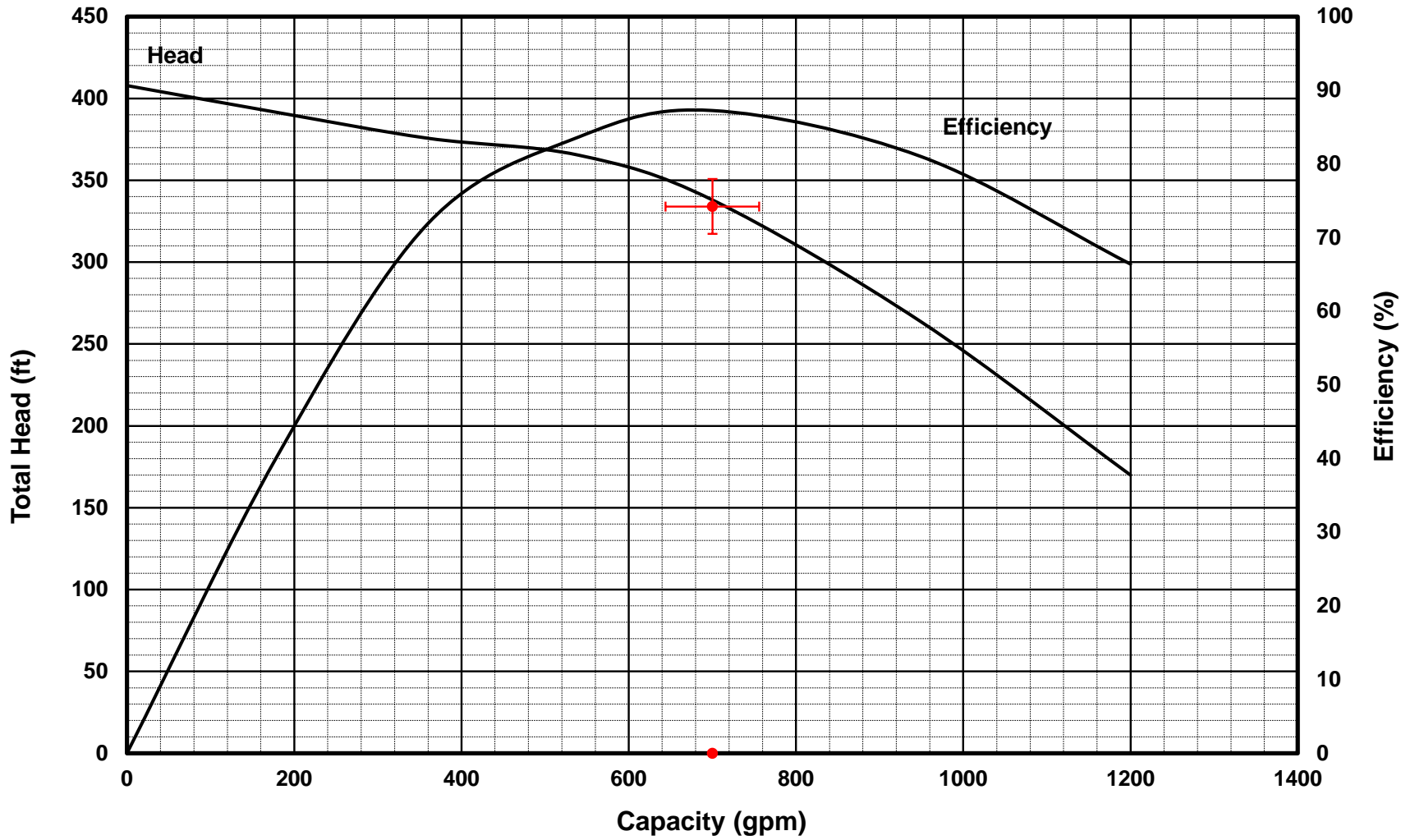
Xylem - Goulds Water Technology Pump Performance Curve



Customer: LEE MATHEWS
PO #: 2198604

Acceptance Standard: HI 14.6-2B
Project: 0

CO #: 4308205
Test Date: 9/20/2016



Pump #: 3
 Bowl Model: 11CMC
 Stages: 5
 1st Imp. Dia.: 8
 2nd Imp. Dia.: 0

Required Speed (rpm): 1770
 Required Capacity (gpm): 700
 Required Bowl TDH (ft): 334

Certified Test Results
 By: Chris Huggins
 Title: ENGINEER
 Date: 9/20/2016

Witness
 By: _____
 Date: _____



Xylem - Goulds Water Technology Hydrostatic Report



Customer: LEE MATHEWS
PO #: 2198604

Acceptance Standard: HI 14.6-2B
PROJECT: 0

SO: 4308205
DATE: 9/20/2016

CONDITIONS

Pump #: 3
Pump Type: VIT-CF
Bowl Model: 11CMC
Stages: 5

Specific Gravity: 1.00
Shut-Off Head (ft): 407.8
Pressure Guage: 2000psig (T18008)

Required Speed (rpm): 1770
Required Capacity (gpm): 700
Required Bowl TDH (ft): 334

Tested By: Brandon Hopper

Goulds Water Technology Texas Turbine Operations a division of Xylem Inc. certifies that the parts or assemblies listed below have been hydrostatically tested to the pressures and length of time indicated.

READINGS DURING TEST

Description	PART No	Material	Quantity	Pressure	Time
Top Bowl:	C03198B	6911	1	234.0 psi	10.0 Minutes
Intermediate Bowl:	C02834B01	6911	4	234.0 psi	10.0 Minutes

Certified Test Results
By: *Chris Hopper*
Title: ENGINEER
Date: September 20, 2016

Witness
By: _____
Date: _____