

PRODUCT INFORMATION PACKET



Model No: BN50V1

Catalog No: BN50V1

Pool Pump Motor, 1.5/.188 HP, 1 Ph, 60 Hz, 115 V, 3600 RPM, 48Y Frame, ODP



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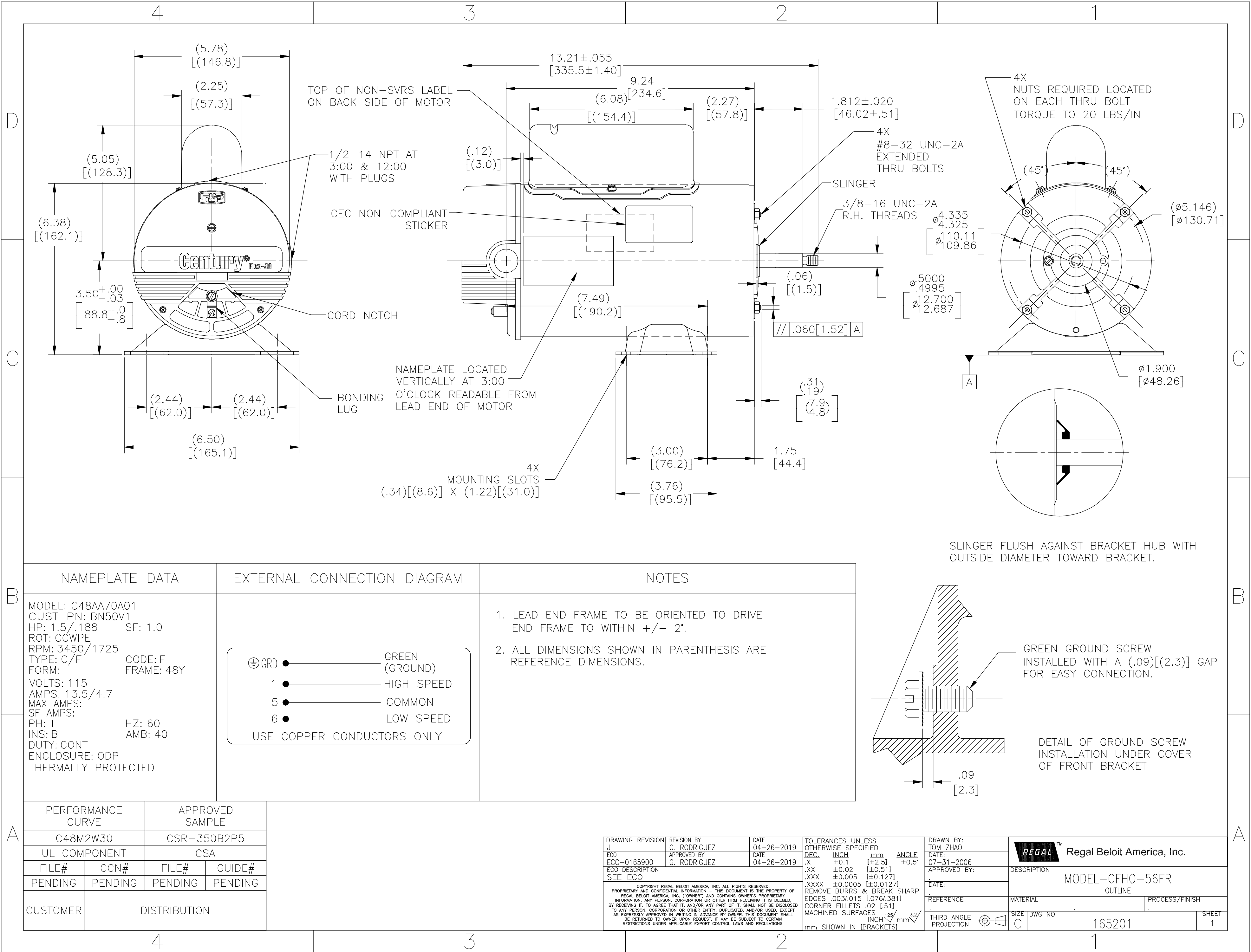
Nameplate Specifications

Output HP	1.5/.188 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	115 V
Current	13.5/4.7 A	Speed	3450/1725 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	48Y	Enclosure	Open Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
Number of Speeds	2		

Technical Specifications

Electrical Type	Cap Start Low Speed, Psc High Speed	Starting Method	Across The Line
Poles	2/4	Rotation	Counterclockwise Pump End
Mounting	Thru Bolt	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	3/8 Threaded
Overall Length	13.21 in	Frame Length	8.00 in
Shaft Diameter	0.500 in	Shaft Extension	2.375 in
Outline Drawing	BN50V1-S01	Connection Drawing	D0000072-002

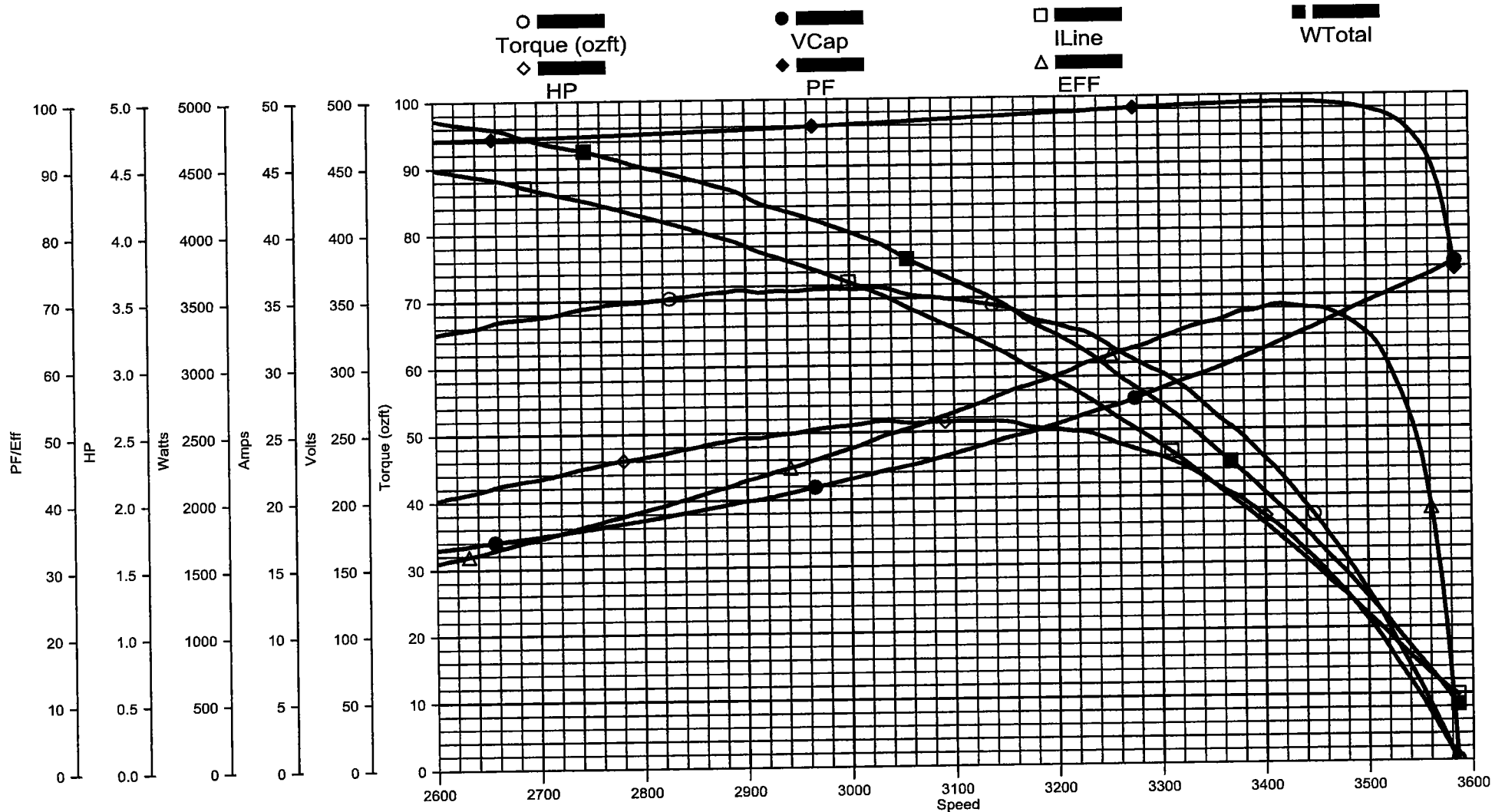
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AO Smith

Performance Test Project: CSR-0001269 (High Speed)

Monday, May 10, 2010 02:14 AM



TRACKING #: 10082653
 SBU: Pump
 ENGINEER: DWAYNE FOX
 TECHNICIAN: SCOTT BARNETT
 BENCH: 2
 TORQUE CELL: 500-1 inlb
 NP RPM: 3475
 # SPEEDS: 2
 MOTOR #: 1

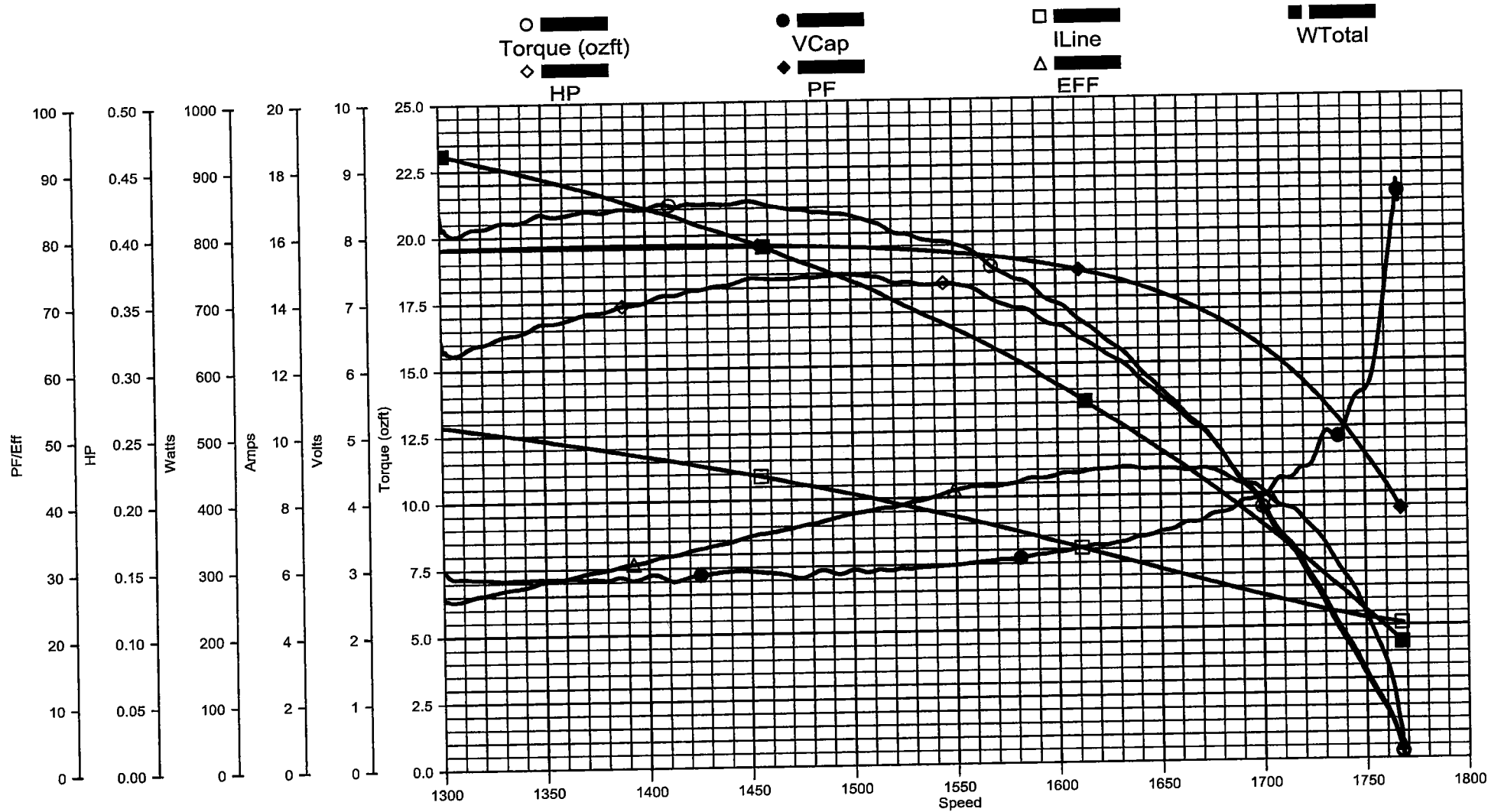
CUSTOMER: WATERWAY
 MODEL: X-0001965AP2
 FRAME: 48Y
 PHASES: 1
 HP: 1.50
 VOLTS: 115.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 25.00
 COMMENT3:

DESCRIPTION: OFFSET
 BDT: 71.66
 MT: 71.66
 SF: 0.00
 LRT: 0.00
 LRA: 0.00
 PUT: 0.00
 COMMENT1:
 COMMENT2:
 COMMENT4:

AO Smith

Performance Test Project: CSR-0001269 (Low Speed)

Monday, May 10, 2010 06:02 AM



TRACKING #: 10082653
 SBU: Pump
 ENGINEER: DWAYNE FOX
 TECHNICIAN: SCOTT BARNETT
 BENCH: 2
 TORQUE CELL: 500-1 inlb
 NP RPM: 1680
 # SPEEDS: 2
 MOTOR #: 1

CUSTOMER: WATERWAY
 MODEL: X-0001965AP2
 FRAME: 48Y
 PHASES: 1
 HP: 0.19
 VOLTS: 115.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 25.00
 COMMENT2:

DESCRIPTION: OFFSET
 BDT: 20.92
 MT: 21.25
 SF: 0.00
 LRT: 0.00
 LRA: 0.00
 PUT: 0.00
 COMMENT1:
 COMMENT2:
 COMMENT4: