

PRODUCT INFORMATION PACKET



Model No: BV91
Catalog No: BV91

Pool Pump Motor, 1.0 HP, 1 Ph, 60 Hz, 115 V, 3600 RPM, V48Y Frame, DP



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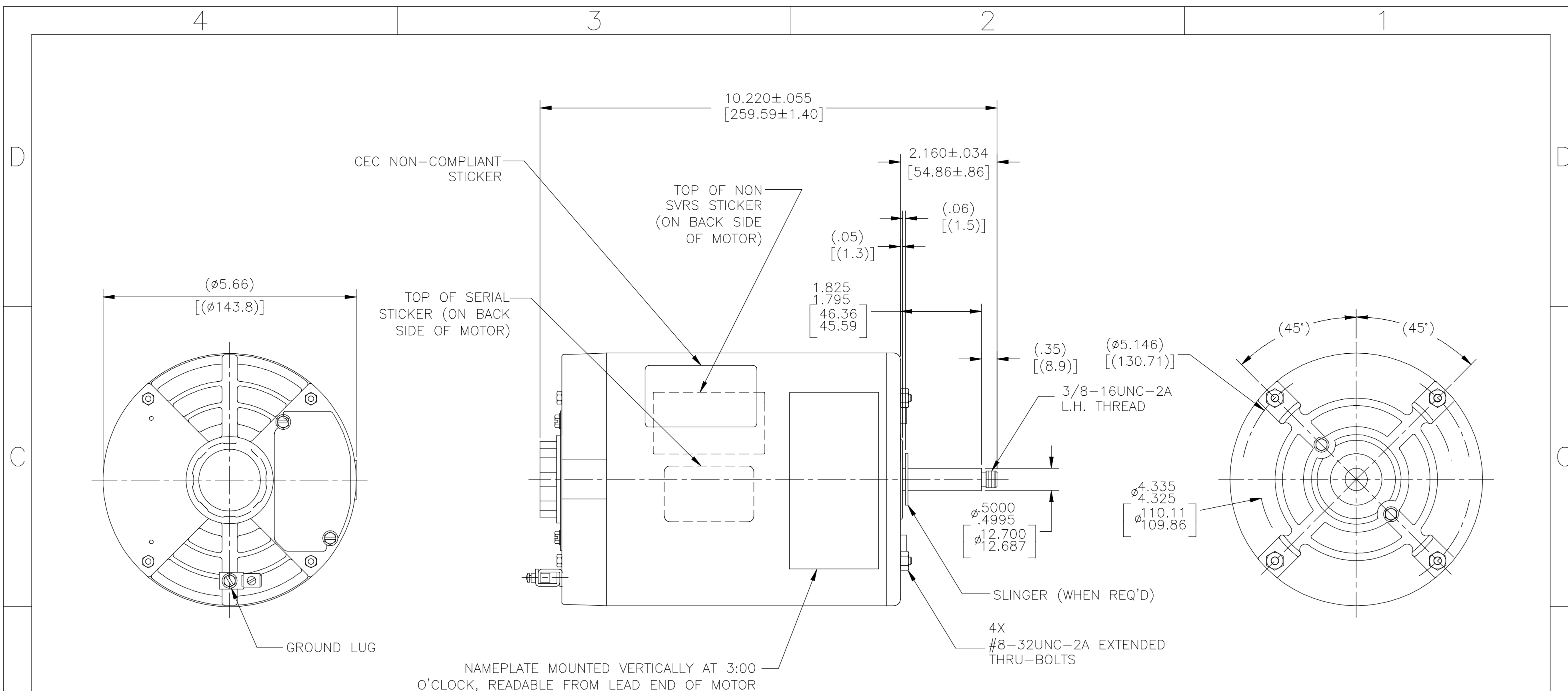
Nameplate Specifications

Output HP	1.0 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115 V
Current	9.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	V48Y	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
Number of Speeds	1		

Technical Specifications

Electrical Type	Split Phase, Induction Run, Single Or Dual Voltage	Poles	2
Rotation	Clockwise 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 THREADS	Overall Length	10.22 in
Frame Length	6.25 in	Shaft Diameter	0.500 in
Shaft Extension	2.16 in		
Outline Drawing	BV91-S01	Connection Drawing	17888708.PCX

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NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: 186128 CUST PN: BV91 HP: 1.0 SF: 1.00 ROT: CWPE RPM: 3450 TYPE: SP CODE: G FORM: PJM FRAME: V48Y VOLTS: 115 AMPS: 9.0 MAX AMPS: - SF AMPS: - PH: 1 HZ: 60 INS: B AMB: 40°C DUTY: CONT ENCLOSURE: ODP THERMALLY PROTECTED		NOTES: 1. STAINLESS EXTENSION & THREADS TO BE OIL-FREE. 2. ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS.

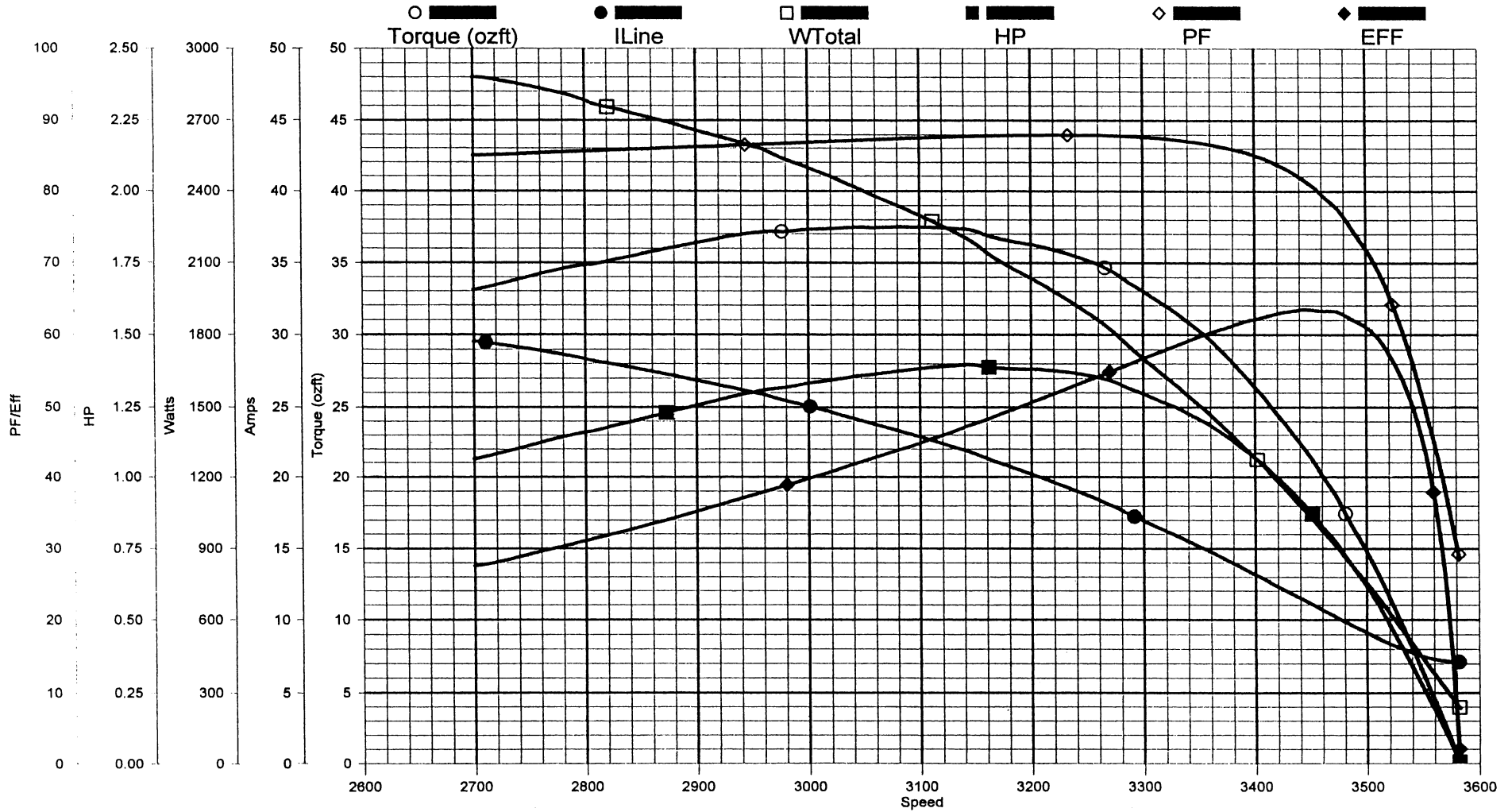
PERFORMANCE CURVE	APPROVED SAMPLE		
18012411	-		
UL COMPONENT	CSA		
FILE#	CCN#	FILE#	GUIDE#
PENDING	PENDING	PENDING	PENDING
CUSTOMER	DISTRIBUTION		

DRAWING REVISION G	REVISION BY G. RODRIGUEZ	DATE 04-26-2019	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: TZ	Regal Beloit America, Inc.
ECO	APPROVED BY G. RODRIGUEZ	DATE 04-26-2019	DEC. INCH mm ANGLE	DATE: 10-15-2010	
ECO-0165900			.XX ±0.02 [±0.51] ±0.5°	APPROVED BY: BS	
SEE ECO			.XXX ±0.005 [±0.127]	DATE: 10-15-2010	
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			REMOVE BURRS & BREAK SHARP EDGES .003/015 [0.076/3.81] X 45°	MATERIAL	PROCESS/FINISH
			CORNER FILLETS R.02 [5.1]	THIRD ANGLE PROJECTION	SIZE DWG NO
			MACHINED SURFACES 125/INCH 3.2/mm	REFERENCE	1
			mm SHOWN IN [BRACKETS]	SIZE DWG NO	1

AO Smith

Performance Down Project: 0244322 (High Speed)

Saturday, November 02, 2002 10:32 AM



TRACKING #: 10008693
 SBU: Pump
 ENGINEER: J HEINRICHS
 TECHNICIAN: MIKE
 BENCH: 2
 TORQUE CELL: 350 lb-in
 NP RPM: 3450
 # SPEEDS: 1
 MOTOR #: 1
 TYP 3

CUSTOMER:
 MODEL: 0244322B
 FRAME: 48
 PHASES: 1
 HP: 0.75
 VOLTS: 115.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 0.00
 ACTUAL CAP: 0

LOCK AMPS: 58.0A
LOCK TORQUE: 14.0 oz-ft
BREAKDOWN TORQUE: 37.5 oz-ft

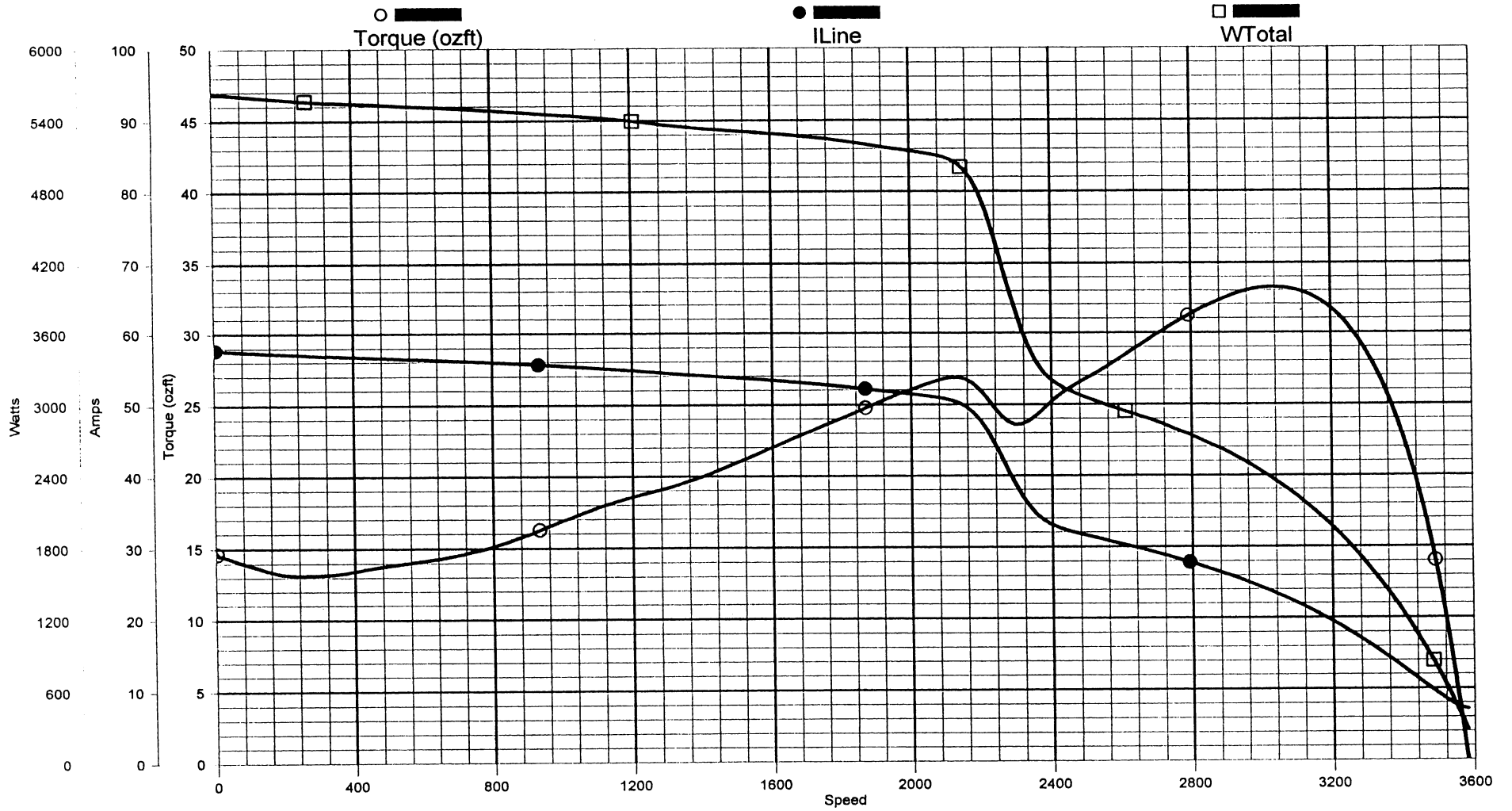
DESCRIPTION: SYNC-2700
 BDT: 37.49
 MT: 37.51
 SF: 0.00
 LRT: 0.00
 LRA: 0.00
 PUT: 0.00
 COMMENT1:
 COMMENT2:
 COMMENT3:

AO Smith

Performance Up

Project: 0244322 (High Speed)

Saturday, November 02, 2002 10:49 AM



TRACKING #: 10008693
 SBU: Pump
 ENGINEER: J HEINRICHS
 TECHNICIAN: MIKE
 BENCH: 2
 TORQUE CELL: 350 lb-in
 NP RPM: 3450
 # SPEEDS: 1
 MOTOR #: 1
 TY S

CUSTOMER:
 MODEL: 0244322B
 FRAME: 48
 PHASES: 1
 HP: 0.75
 VOLTS: 115.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 0.00
 ACTUAL CAP: 00

DESCRIPTION: 0-SYNC
 BDT: 33.26
 MT: 33.26
 SF: 0.00
 LRT: 14.74
 LRA: 57.69
 PUT: 13.14
 COMMENT1:
 COMMENT2:
 COMMENT3: