

# PRODUCT INFORMATION PACKET



Model No: B130  
Catalog No: B130

Pool Pump Motor, 2.0 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, X56J Frame, DP



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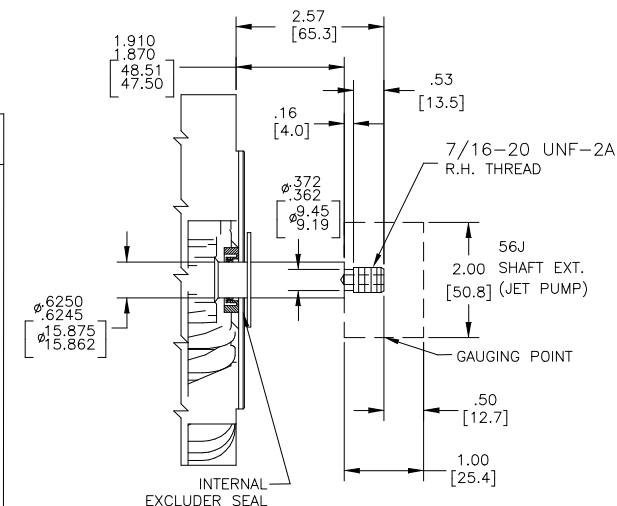
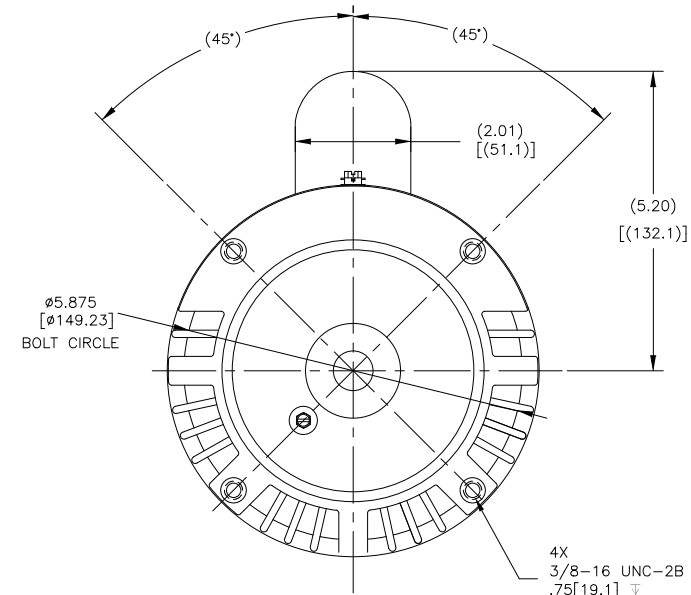
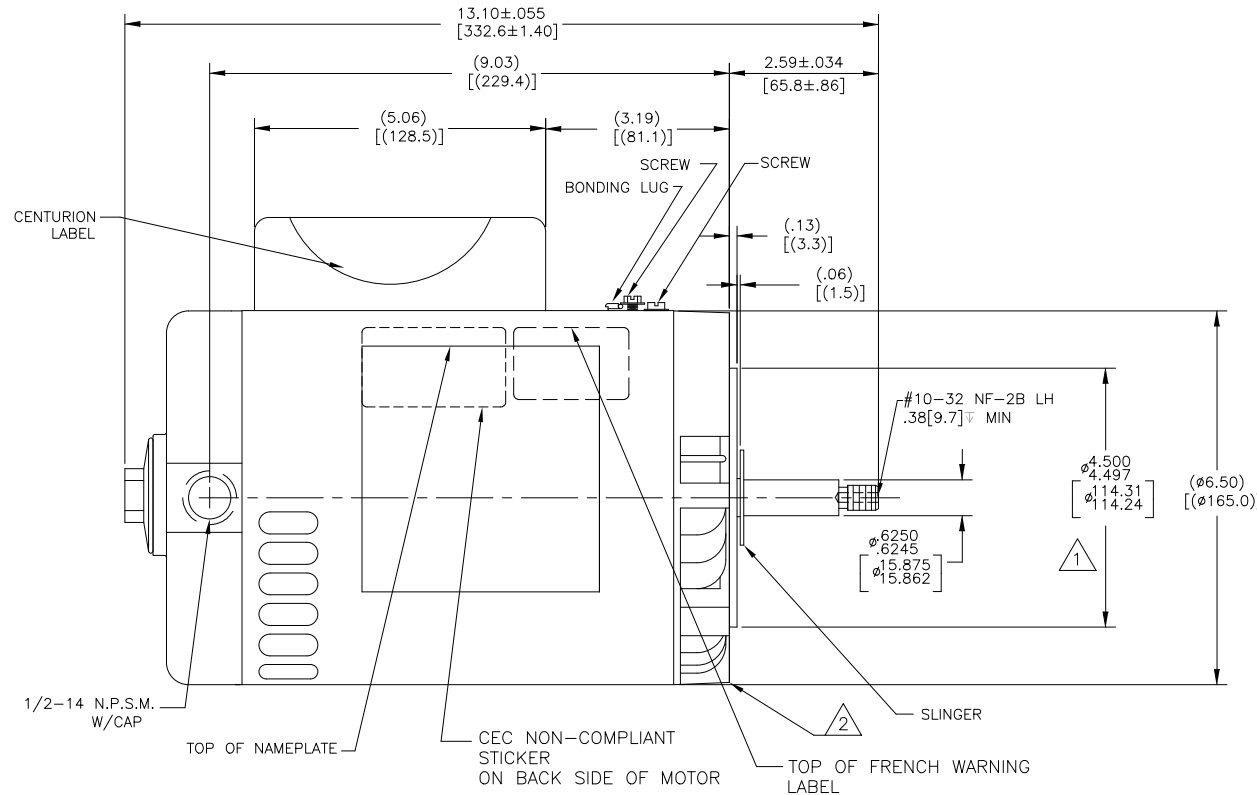
### Nameplate Specifications

|                    |                     |                     |            |
|--------------------|---------------------|---------------------|------------|
| Phase              | 1                   | Output HP           | 2.0 Hp     |
| Output KW          | 1.5 kW              | Voltage             | 230 V      |
| Speed              | 3450 rpm            | Service Factor      | 1.2        |
| Frame              | X56J                | Enclosure           | Drip Proof |
| Thermal Protection | Thermally Protected | Ambient Temperature | 50 °C      |
| Frequency          | 60 Hz               | Current             | SF 10.5 A  |
| Duty               | Continuous          | Insulation Class    | B          |
| UL                 | Recognized          | CSA                 | Y          |
| Number of Speeds   | 1                   |                     |            |

### Technical Specifications

|                       |                                                   |                   |              |
|-----------------------|---------------------------------------------------|-------------------|--------------|
| Electrical Type       | Permanent Split Capacitor, Single Or Dual Voltage | Poles             | 2            |
| Rotation              | Counterclockwise Pump End                         | Mounting          | C Face       |
| Motor Orientation     | Horizontal                                        | Drive End Bearing | Ball         |
| Opp Drive End Bearing | Ball                                              | Frame Material    | Rolled Steel |
| Shaft Type            | 7/16 THREADS                                      | Overall Length    | 13.10 in     |
| Frame Length          | 7.50 in                                           | Shaft Diameter    | 0.625 in     |
| Shaft Extension       | 2.57 in                                           |                   |              |
| Connection Drawing    | 17050319.PCX                                      | Outline Drawing   | B130-S01     |

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| NAMEPLATE DATA                                                                                                                                                                                                                                                      | EXTERNAL CONNECTION DIAGRAM                                                                                             | NOTES                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL: 159988<br>CUST PN: B130<br>HP: 2.0 SF: 1.2<br>ROT: CCWPE<br>RPM: 3450<br>TYPE: CX<br>FORM: CODE: G<br>FRAME: X 56 J<br>VOLTS: 230<br>AMPS: MAX AMPS: SF AMPS: 10.5<br>PH: 1 HZ: 60<br>INS: B AMB: 50°C<br>DUTY: CONT<br>ENCLOSURE: DP<br>THERMALLY PROTECTED | 17050319<br>WHITE<br>O <sub>B</sub><br>O <sub>L1</sub> LINE<br>O <sub>L2</sub> LINE<br>O <sub>A</sub><br>NON-REVERSIBLE | 1. PILOT DIAMETER IS CONCENTRIC WITH SHAFT CENTERLINE WITHIN .004[.10] T.I.R.<br>2. FACE OF MOUNTING FLANGE IS PERPENDICULAR TO SHAFT CENTERLINE WITHIN .004[.10] T.I.R.<br>3. SHAFT RUNOUT NOT TO EXCEED .002[.05] T.I.R.<br>4. END PLAY NOT TO EXCEED .010[.25] MEASURED WITH NO THRUST<br>5. FINISH PAINT TO BE BLACK<br>6. CTQ REQUIREMENT SEE EP000105-008.<br>7. RoHS & REACH ETC REQUIREMENT SEE EP000014 |

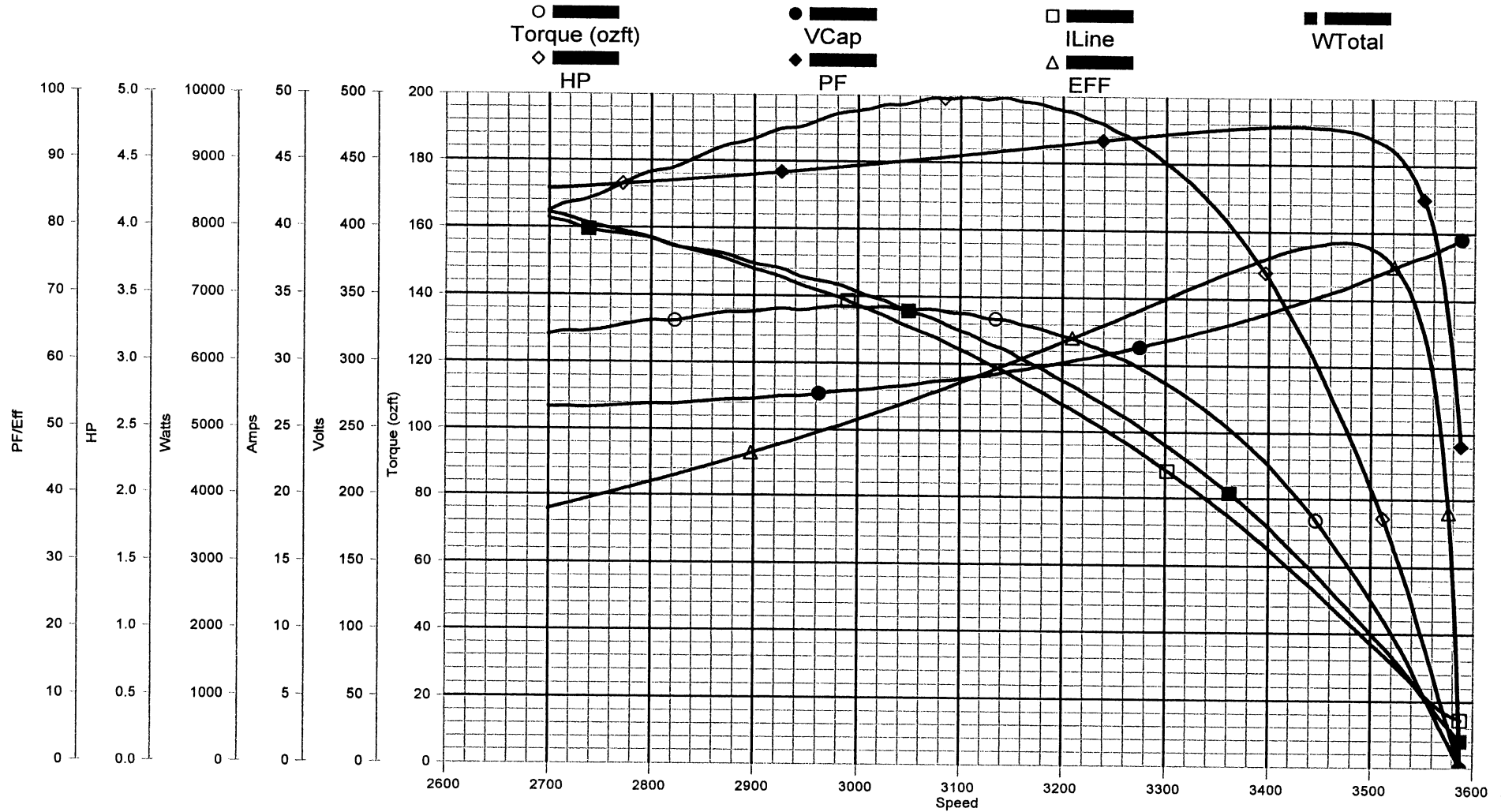
| PERFORMANCE CURVE           | APPROVED SAMPLE |
|-----------------------------|-----------------|
| 15593311                    |                 |
| UL COMPONENT                | CSA             |
| FILE# CCN# FILE# GUIDE#     |                 |
| E14663 XZWR2 LR4642 4211-01 |                 |
| CUSTOMER                    | DISTRIBUTION    |

|                                           |                                                                                     |                                                    |                    |                                                                                                                                                                                                                                                                                                                            |                                                                                                                            |                                                                                                                                            |
|-------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| CRITICAL TO QUALITY CHARACTERISTICS(CTQs) | DRAWING REVISION<br>M<br>ECR-0250985<br>ECO DESCRIPTION<br>ADD FRENCH WARNING LABEL | REVISION BY<br>MINJING JIANG<br>DATE<br>05-14-2026 | DATE<br>05-14-2026 | TOLERANCES UNLESS OTHERWISE SPECIFIED<br>DEC. INCH mm<br>.XX ±0.1 [(±2.5)]<br>.XX ±0.02 [(±0.51)]<br>.XXX ±0.005 [(±0.127)]<br>XXX ±0.0005 [(±0.0127)]<br>REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381]<br>CORNER FILLETS .02 [0.51]<br>MACHINED SURFACES .125 INCH 3.2 mm<br>MACHINED SURFACES .125 INCH 3.2 mm | DRAWN BY:<br>JZ<br>DATE:<br>08-28-2010<br>APPROVED BY:<br>SH<br>DATE:<br>08-28-2010<br>REFERENCE<br>THIRD ANGLE PROJECTION | Regal Beloit America, Inc.<br>DESCRIPTION<br>MODEL-CFHP-56FR<br>OUTLINE<br>MATERIAL<br>PROCESS/FINISH<br>SIZE DWG NO<br>B130<br>SHEET<br>1 |
|-------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

# AO Smith

Performance Down Project: 0345668 (High Speed)

Wednesday, October 08, 2003 12:12 AM



TRACKING #: 10017657  
 SBU: Pump  
 ENGINEER: DWAYNE FOX  
 TECHNICIAN: DAN  
 BENCH: 2  
 TORQUE CELL: 350 lb-in  
 NP RPM: 3450  
 # SPEEDS: 1  
 MOTOR #: 1  
 TYPE: CX

CUSTOMER:  
 MODEL: 0345668A  
 FRAME: X56J  
 PHASES: 1  
 HP: 2.50  
 VOLTS: 230.0  
 HERTZ: 60  
 START CAP: 0.00  
 RUN CAP: 25.00  
 COMMENT3:

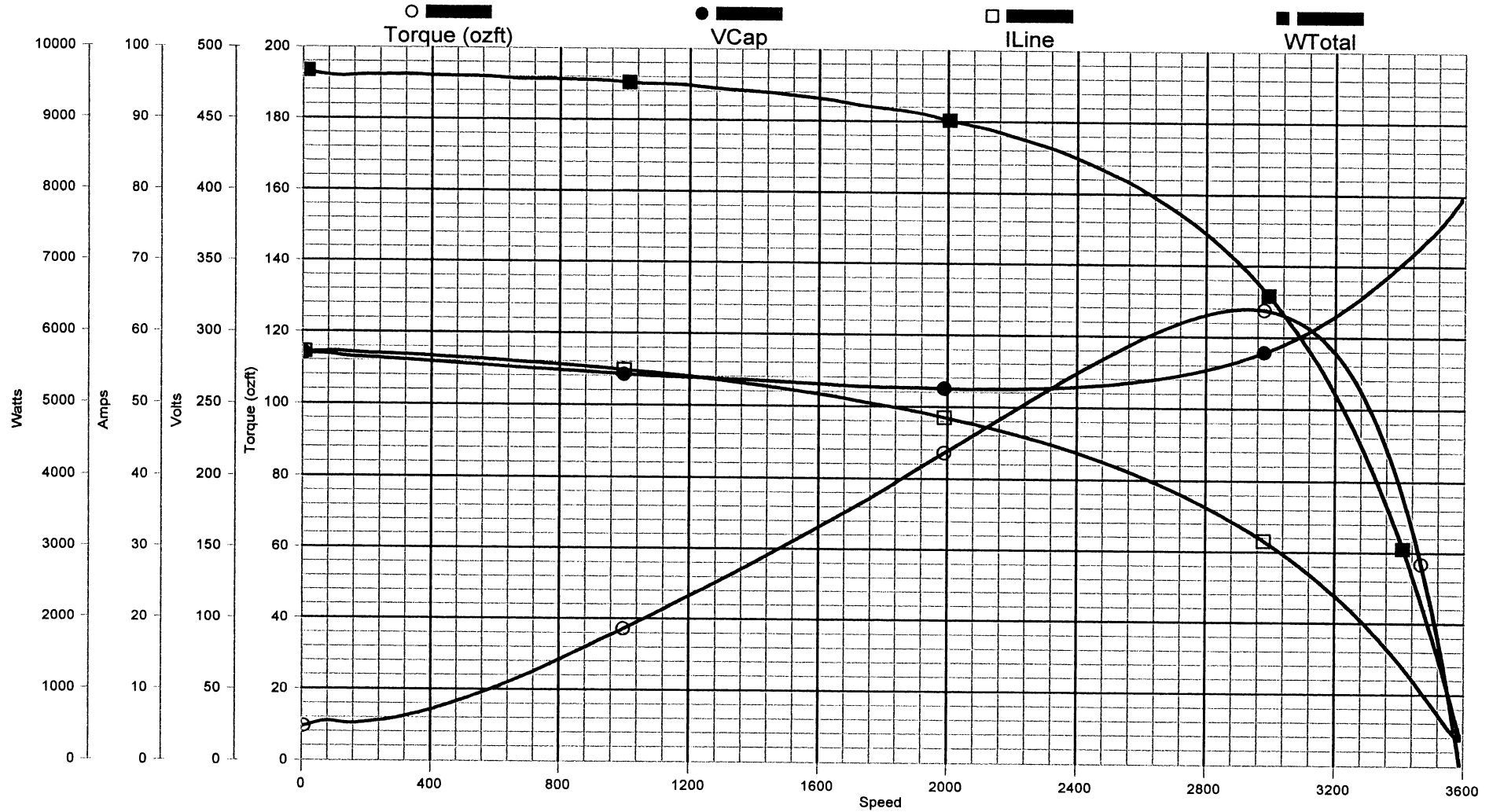
LOCK AMPS: 57.0A  
 LOCK TORQUE: 12.0 oz-ft  
 BREAKDOWN TORQUE: 136.7 oz-ft

DESCRIPTION: OFFSET  
 BDT: 136.83  
 MT: 136.97  
 SF: 0.00  
 LRT: 0.00  
 LRA: 0.00  
 PUT: 0.00  
 COMMENT1:  
 COMMENT2:  
 COMMENT4:

# AO Smith

Performance Up Project: 0345668 (High Speed)

Wednesday, October 08, 2003 12:22 AM



TRACKING #: 10017657  
 SBU: Pump  
 ENGINEER: DWAYNE FOX  
 TECHNICIAN: DAN  
 BENCH: 2  
 TORQUE CELL: 350 lb-in  
 NP RPM: 3450  
 # SPEEDS: 1  
 MOTOR #: 1  
 TYPE: CX

CUSTOMER:  
 MODEL: 0345668A  
 FRAME: X56J  
 PHASES: 1  
 HP: 2.50  
 VOLTS: 230.0  
 HERTZ: 60  
 START CAP: 0.00  
 RUN CAP: 25.00  
 COMMENT3:

DESCRIPTION: 0-SYNC  
 BDT: 127.85  
 MT: 127.85  
 SF: 0.00  
 LRT: 9.30  
 LRA: 57.25  
 PUT: 9.30  
 COMMENT1:  
 COMMENT2:  
 COMMENT4: