

PRODUCT INFORMATION PACKET



Model No: B123

Catalog No: B123

Pool Pump Motor, 1.5 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, P56C Frame, DP



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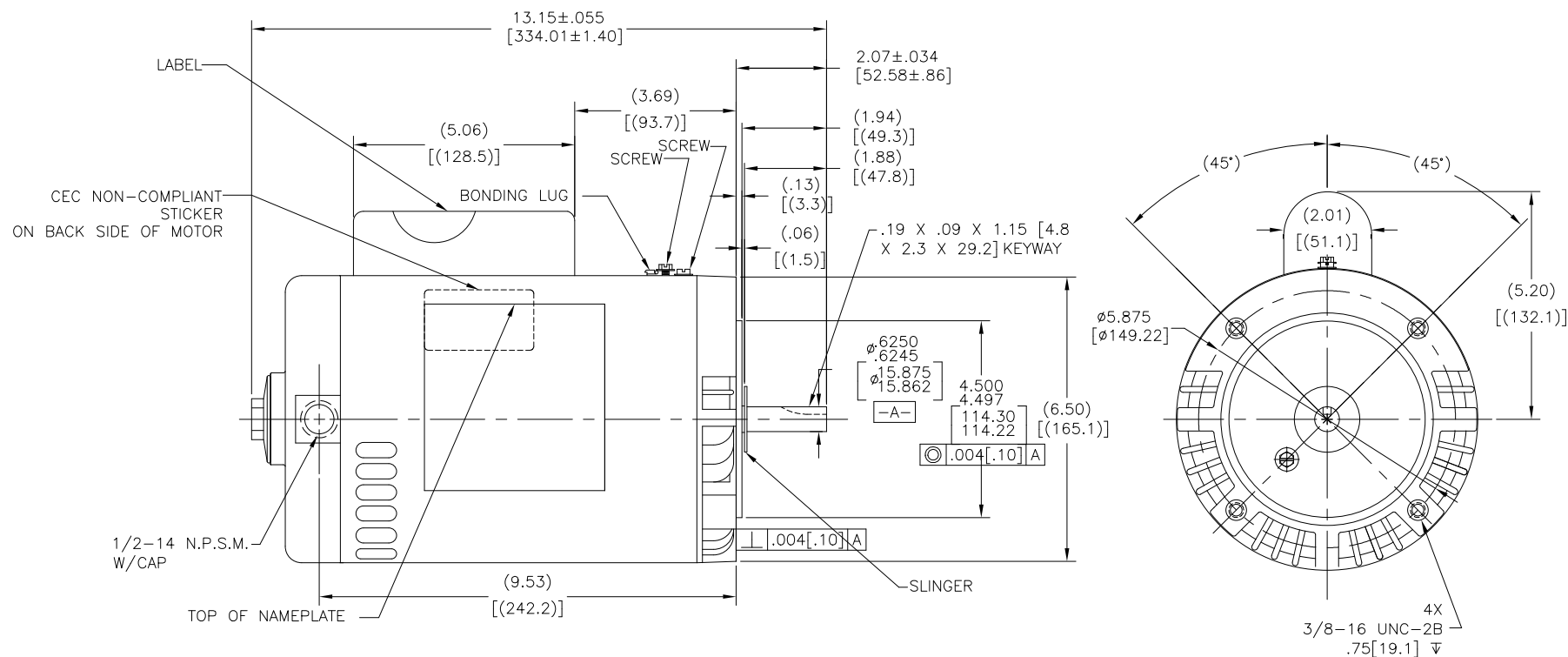
Nameplate Specifications

Output HP	1.5 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/115 V
Current	SF 9.2/18.4 A	Speed	3450 rpm
Service Factor	1.3	Phase	1
Duty	Continuous	Insulation Class	B
Frame	P56C	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	50 °C
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	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	5/8 Keyed	Overall Length	13.19 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.07 in		
Outline Drawing	B123-S01	Connection Drawing	17536715.PCX

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NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: 164300 CUST PN: B123 HP: 1.5 SF: 1.30 ROT: CCWPE RPM: 3450 TYPE: CX CODE: H FORM: - FRAME: P 56 C VOLTS: 230/115 AMPS: SF 9.2/18.4 MAX AMPS: - SF AMPS: - PH: 1 HZ: 60 INS: B AMB: 50°C DUTY: CONT ENCLOSURE: DP THERMALLY PROTECTED	LOW VOLTAGE BROWN — B WHITE — L1 LINE WHITE — L2 LINE A HIGH VOLTAGE WHITE — B L1 LINE L2 LINE BROWN — A NON-REVERSIBLE	1. PILOT DIAMETER IS CONCENTRIC WITH SHAFT CENTERLINE WITHIN .004[.10] T.I.R. 2. FACE OF MOUNTING FLANGE IS PERPENDICULAR TO SHAFT CENTERLINE WITHIN .004[.10] T.I.R. 3. SHAFT RUNOUT NOT TO EXCEED .002[.05] T.I.R 4. END PLAY NOT TO EXCEED .010[.25] MEASURED WITH NO THRUST 5. FINISH PAINT TO BE BLACK 6. CTQ REQUIREMENT SEE EP000105-008. 7. RoHS & REACH ETC REQUIREMENT SEE EP000014

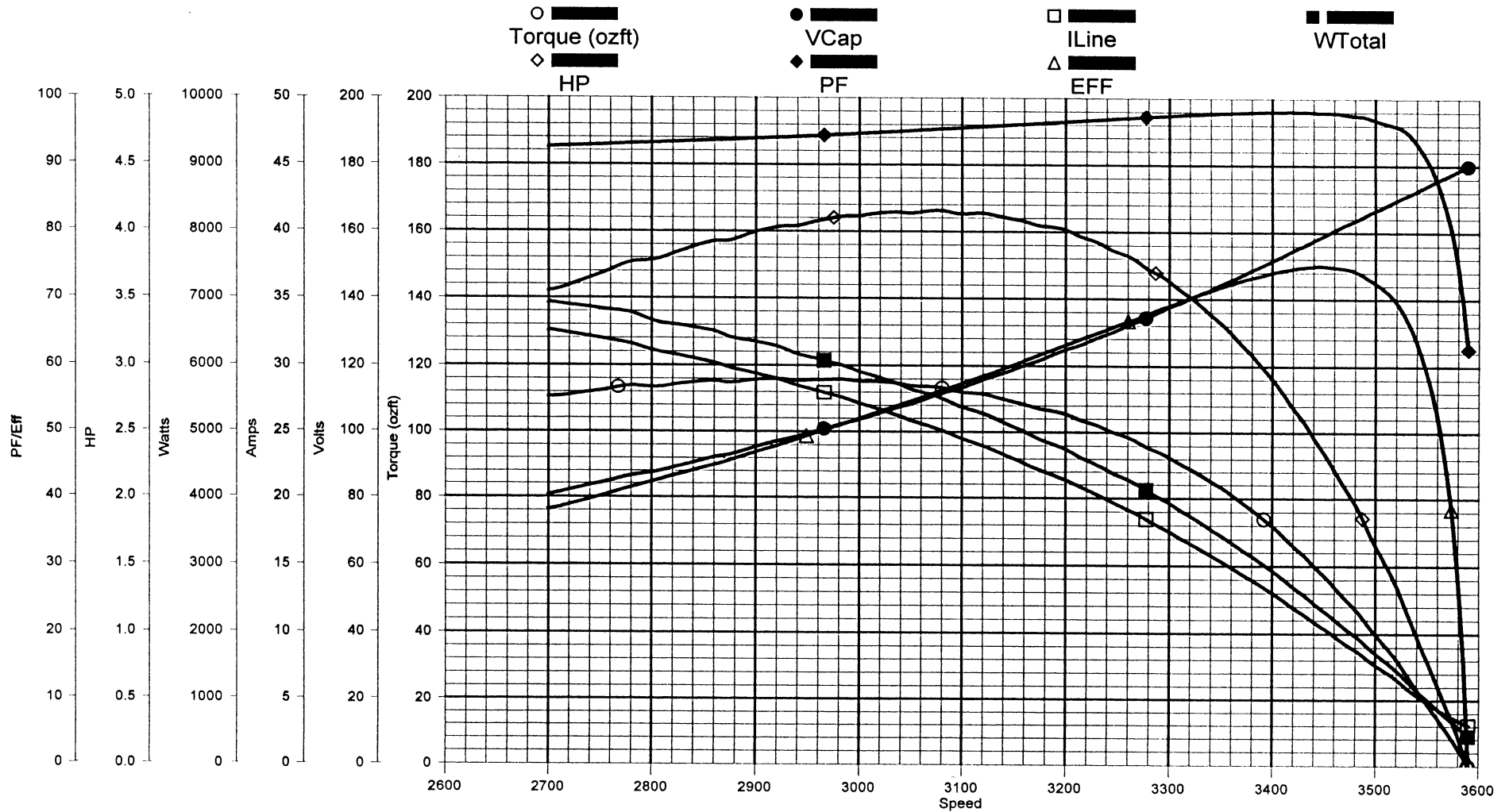
PERFORMANCE CURVE		APPROVED SAMPLE	
16345311		—	
UL COMPONENT		CSA	
FILE#	CCN#	FILE#	GUIDE#
E14663	XZWR2	LR4642	4211-01
CUSTOMER	DISTRIBUTION		

CRITICAL TO QUALITY CHARACTERISTICS (CTQs)	DRAWING REVISION G	REVISION BY MINJING JIANG	DATE 04-09-2022	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: KHR	 Regal Beloit America, Inc.	DESCRIPTION	MODEL-CFHP-56FR	OUTLINE	MATERIAL	PROCESS/FINISH	SHEET
	ECO ECR-0216842	APPROVED BY TRISTIA ZHAO	DATE 04-09-2022	DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE: 08-30-2005							
	ECO DESCRIPTION CONSOLIDATED NAME/PLATE			APPROVED BY: JMW	DATE: 02-28-2009							
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				REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] CORNER FILLETS .02 [51] MACHINED SURFACES .125 INCH mm 32/ mm SHOWN IN [BRACKETS]	THIRD ANGLE PROJECTION							
(P) PROCESS												
(E) ENGINEERING												
(A) APPLICATION												
(R) REGULATORY												
(L) LIFE												

AO Smith

Performance Down Project: 0443262 (High Speed)

Wednesday, August 04, 2004 04:43 AM



TRACKING #: 10027139

SBU: Pump

ENGINEER: RAY PHILLIPS

TECHNICIAN: DAN

BENCH: 2

TORQUE CELL: 350 lb-in

NP RPM: 3450

SPEEDS: 1

MOTOR #: 1

TYPE: CX

CUSTOMER: A. O. SMITH

MODEL: 0443262A

FRAME: 56C

PHASES: 1

HP: 1.50

VOLTS: 230.0

HERTZ: 60

START CAP: 0.00

RUN CAP: 25.00

COMMENT3:

DESCRIPTION: OFFSET

BDT: 115.83

MT: 115.94

SF: 46.80

LRT: 0.00

LRA: 0.00

PUT: 0.00

COMMENT1:

COMMENT2:

COMMENT4:

Breakdown TQ: 115.8 oz-ft

Locked Rotor TQ: 12.4 oz-ft

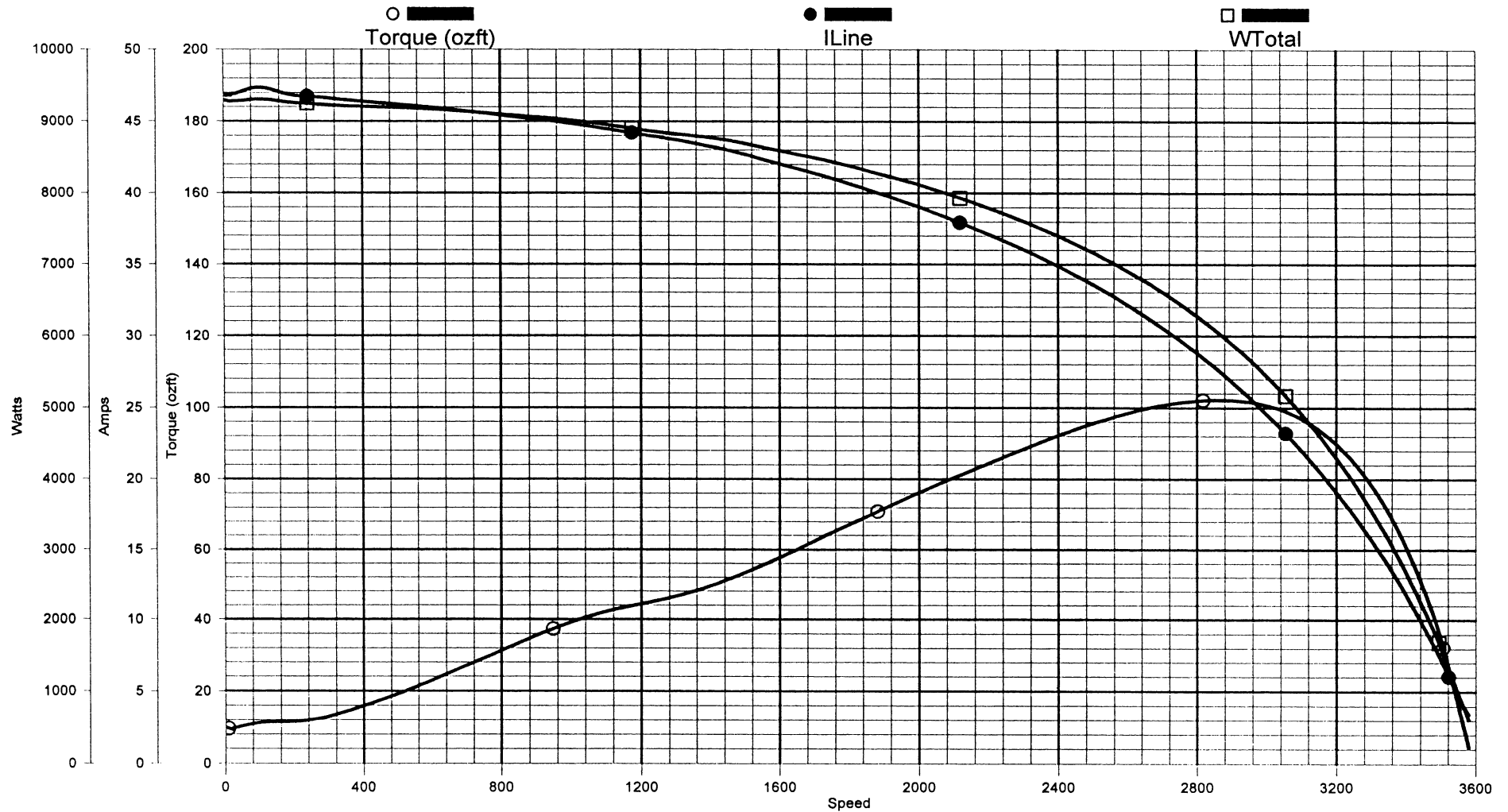
Locked Rotor Amps: 47.0 A

Pull-up TQ: 10.0 oz-ft

AO Smith

Performance Up Project: 0443262 (High Speed)

Wednesday, August 04, 2004 05:06 AM



TRACKING #: 10027139

SBU: Pump

ENGINEER: RAY PHILLIPS

TECHNICIAN: DAN

BENCH: 2

TORQUE CELL: 350 lb-in

NP RPM: 3450

SPEEDS: 1

MOTOR #: 1

TYPE: CX

CUSTOMER: A. O. SMITH

MODEL: 0443262A

FRAME: 56C

PHASES: 1

HP: 1.50

VOLTS: 230.0

HERTZ: 60

START CAP: 0.00

RUN CAP: 25.00

COMMENT3:

DESCRIPTION: 0-SYNC

BDT: 102.19

MT: 102.19

SF: 46.80

LRT: 9.90

LRA: 46.82

PUT: 9.24

COMMENT1:

COMMENT2:

COMMENT4: