

PRODUCT INFORMATION PACKET



Model No: B129

Catalog No: B129

Pool Pump Motor, 1.5 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, P56J 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	P56J	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	7/16 Threaded	Overall Length	13.50 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.57 in		
Outline Drawing	B129-S01	Connection Drawing	17536715.PCX

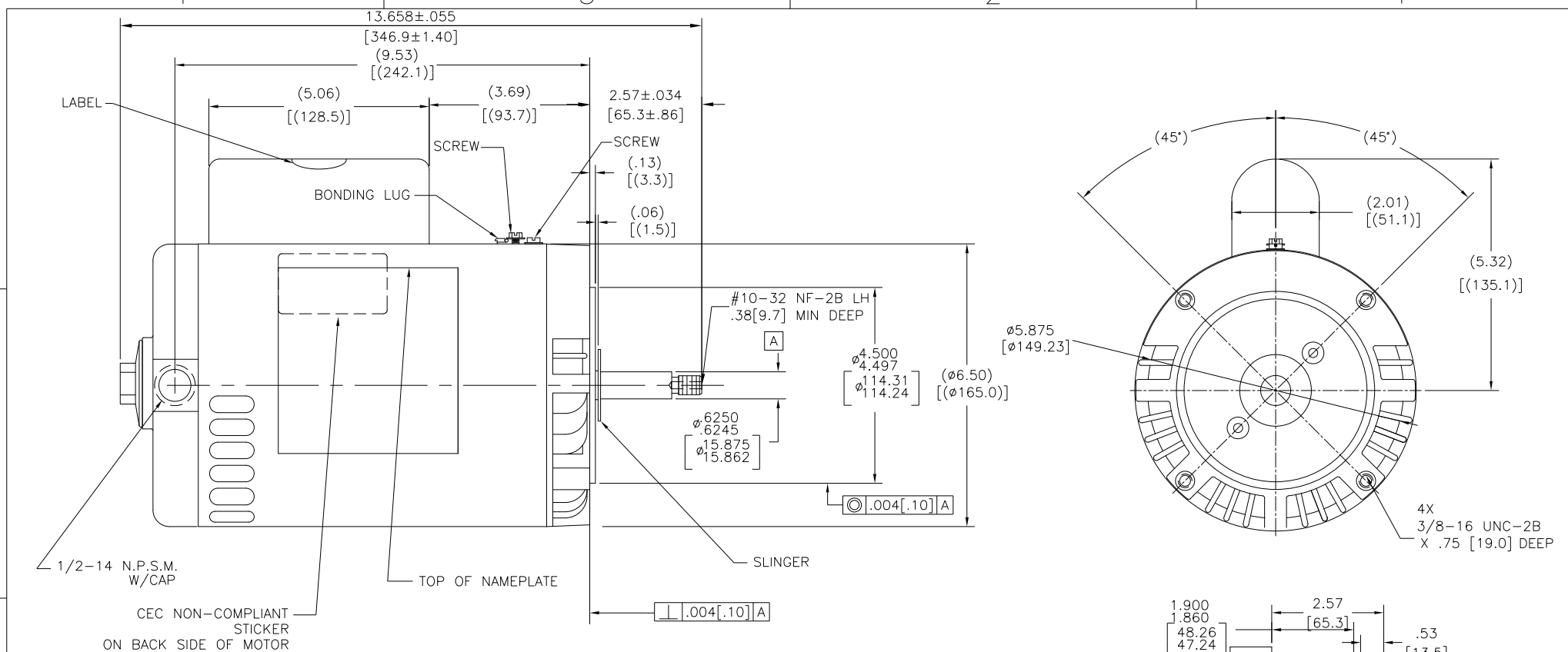
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/28/2022

D

C

B

A



NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: 164304 CUST PN: B129 HP: 1.5 SF: 1.30 ROT: CCWPE RPM: 3450 TYPE: CX FORM: - VOLTS: 230/115 AMPS: SF 9.2/18.4 MAX AMPS: - PH: 1 INS: B DUTY: CONT ENCLOSURE: DP THERMALLY PROTECTED	LOW VOLTAGE BROWN → B WHITE → L1 LINE WHITE → L2 LINE WHITE → A HIGH VOLTAGE WHITE → B WHITE → L1 LINE WHITE → L2 LINE BROWN → A NON-REVERSIBLE	- SHAFT RUNOUT NOT TO EXCEED .002[.05] T.I.R.. - END PLAY NOT TO EXCEED .010[.25] MEASURED WITH NO THRUST - ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS. - CTQ REQUIREMENT SEE EP000105-008. - RoHS & REACH ETC REQUIREMENT SEE EP000014

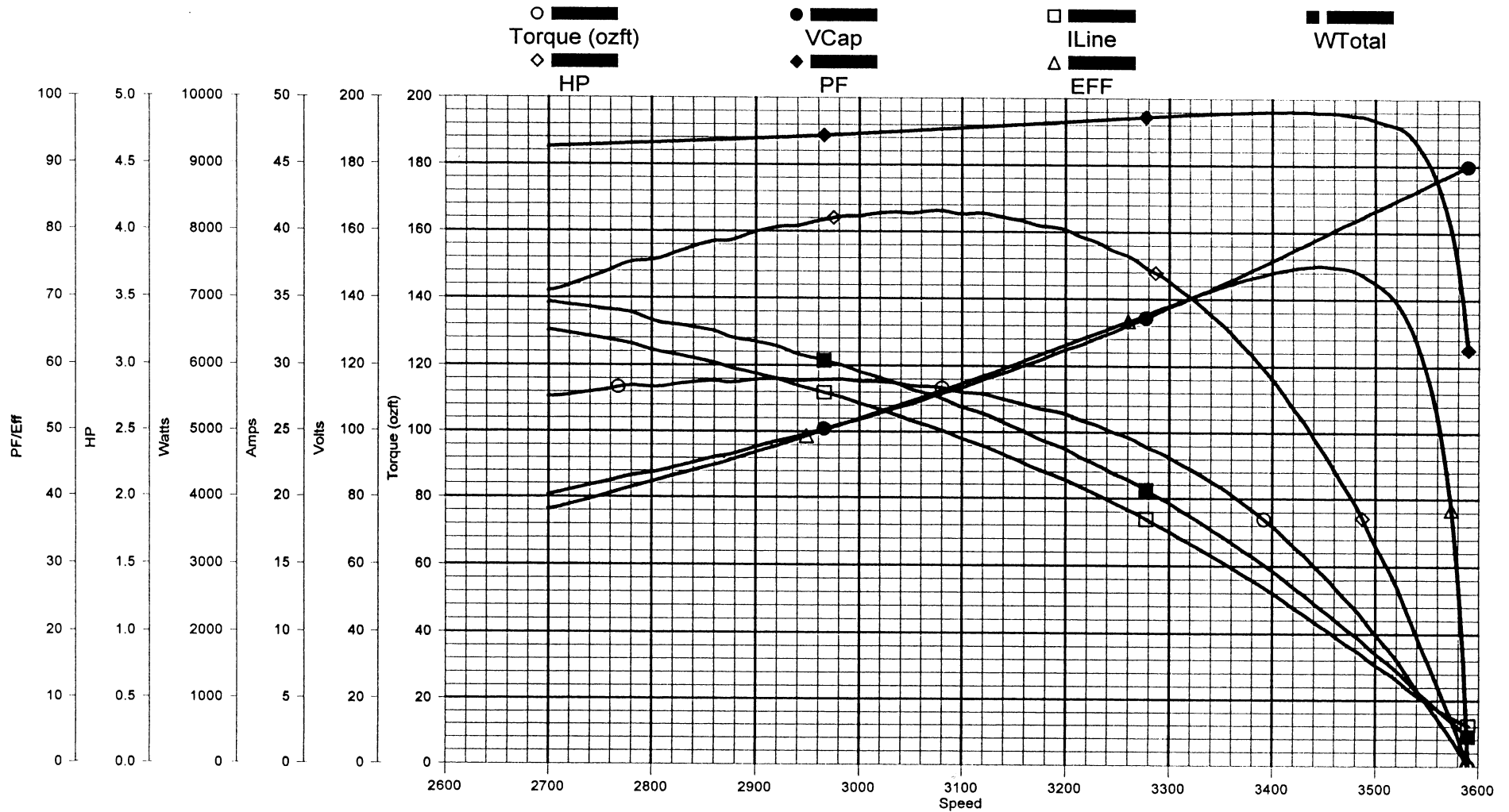
PERFORMANCE CURVE		APPROVED SAMPLE	
16345311		—	
UL COMPONENT		CSA	
FILE#	CCN#	FILE#	GUIDE#
E14663	XEWR2	LR4642	4211-01
CUSTOMER	DISTRIBUTION		

CRITICAL TO QUALITY CHARACTERISTICS(CTQs)	DRAWING REVISION N ECO ECR-0216842 APPROVED BY TRISTIA ZHAO ECO DESCRIPTION CONSOLIDATED NAMEPLATE	REVISION BY MINJING JIANG DATE 04-11-2022	DATE 04-11-2022	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE X ±.01 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] CORNER FILLETS .02 [51] MACHINED SURFACES .125 INCH 3.175 mm mm SHOWN IN [BRACKETS]	DRAWN BY: TZ DATE: 05-12-2009 APPROVED BY: DATE: REFERENCE THIRD ANGLE PROJECTION	Regal Beloit America, Inc. MODEL-PFHP-56FR OUTLINE MATERIAL PROCESS/FINISH SIZE DWG NO B129 SHEET 1
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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

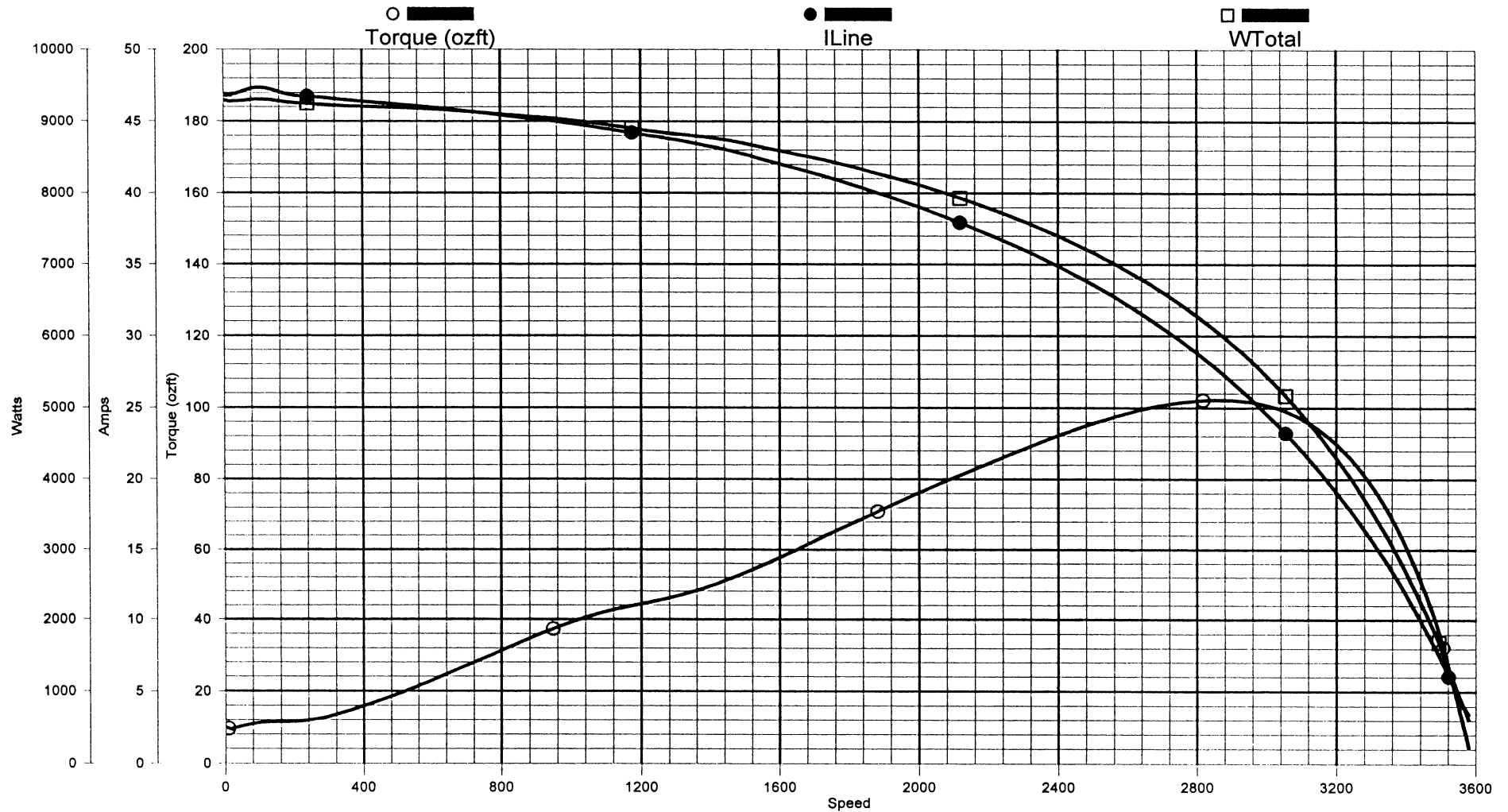
Locked Rotor Amps: 47.0 A

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: