

PRODUCT INFORMATION PACKET



Model No: B228SE

Catalog No: B228SE

Pool Pump Motor, 1.0 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, U56J Frame, DP



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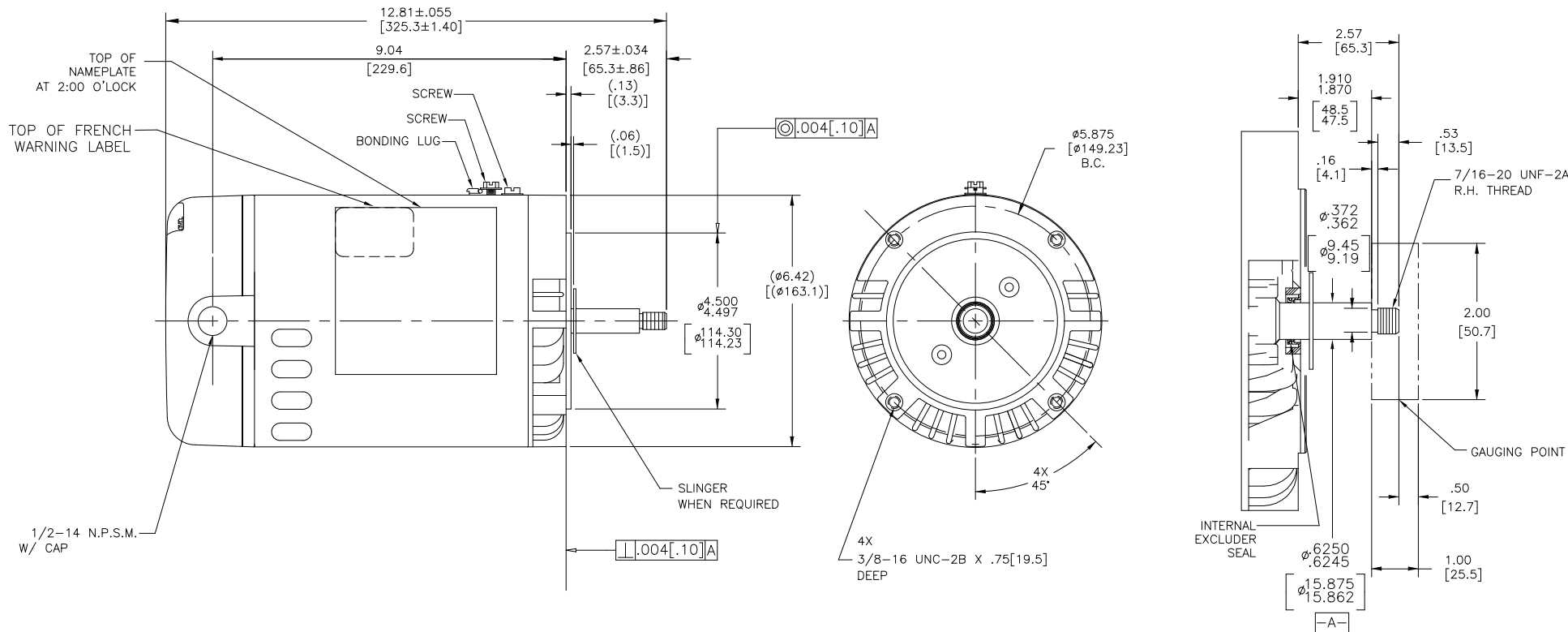
Nameplate Specifications

Phase	1	Output HP	1.0 Hp
Output KW	0.75 kW	Voltage	230/115 V
Speed	3450 rpm	Service Factor	1
Frame	U56J	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	50 °C
Frequency	60 Hz	Current	6.0/12.0 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	12.81 in
Frame Length	7.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.57 in		
Connection Drawing	02282603-001	Outline Drawing	B228SE

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NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: 184981 CUST PN: B228SE HP: 1.0 SF: 1.0 ROT: CCWPE RPM: 3450 TYPE: CX FORM: KJM VOLTS: 230/115 AMPS: 6.0/12.0 MAX AMPS: --- SF AMPS: --- PH: 1 INS: B DUTY: CONT ENCLOSURE: DP THERMALLY PROTECTED	DUAL VOLTAGE	- SHAFT RUNOUT NOT TO EXCEED .002 [0.05] T.I.R. - FOR THREADED SHAFT EXT. MATING PARTS SHOULD BE RELIEVED ONE THREAD TO CLEAR FILLET. - FOR THREADED SHAFT EXT. ECCENTRICITY OF THREADED PORTION OF SHAFT IS HELD WITHIN .004 [0.10] TOTAL GAGE READING WITH THE INDICATOR ON O.D. OF GROUND RING GAGE AS SHOWN. THE GAGE BEING STATIONARY WITH RESPECT TO THE ROTOR. - END PLAY NOT TO EXCEED .010 [0.25] MEASURED WITH NO THRUST. - CTQ REQUIREMENT SEE EP000105-008. - RoHS & REACH REQUIREMENT SEE EP000014

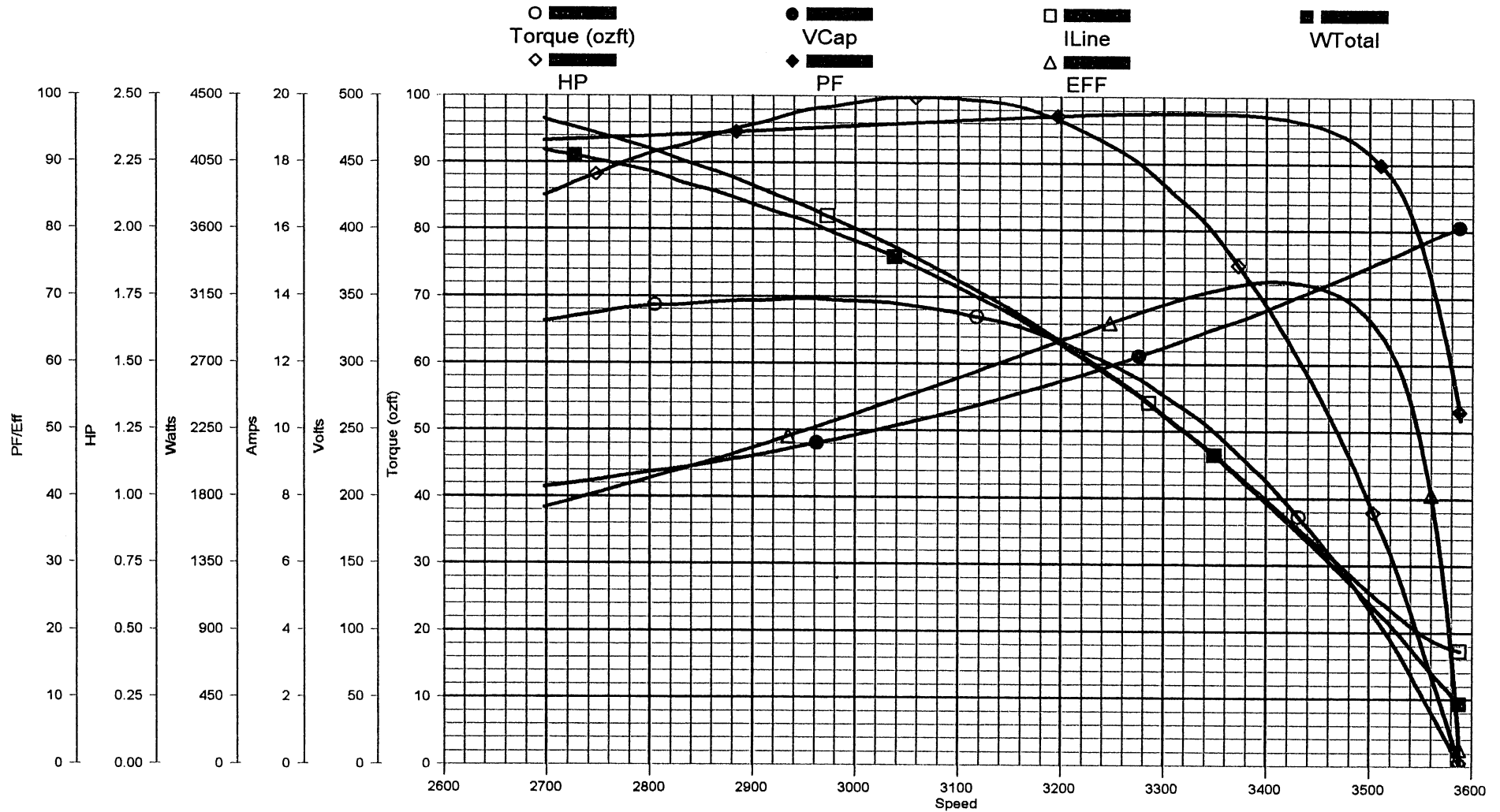
PERFORMANCE CURVE		APPROVED SAMPLE	
16345111		-----	
UL COMPONENT		CSA	
FILE#	CCN#	FILE#	GUIDE#
E14663	XEWZ	LR4642	4211-01
CUSTOMER	DISTRIBUTION		

CRITICAL TO QUALITY CHARACTERISTICS(CTQs)	DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY:
ECO	DATE	DATE	DATE	DEC. INCH mm ANGLE	AS
ECO-0247757	12-10-2025	CELIN.ZHAO	12-10-2025	XX ±0.1 [±2.5]	09-15-2010
ECO DESCRIPTION	ADD FRENCH LABEL	TRISTIA.ZHAO	12-10-2025	.XX ±0.02 [±0.51]	APPROVED BY:
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				REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381]	09-15-2010
				CORNER FILLETS .02 [0.51]	REFERENCE
				MACHINED SURFACES .125 [3.18] INCH mm 32	MATERIAL
				mm SHOWN IN [BRACKETS]	PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE DWG NO
					C B228SE
					SHEET 1

AO Smith

Performance Down Project: 0444227 (High Speed)

Thursday, September 02, 2004 05:50 AM



TRACKING #: 10028999
 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: 0444227A
 FRAME: P56Y
 PHASES: 1
 HP:
 VOLTS: 230.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 25.00
 COMMENT3:

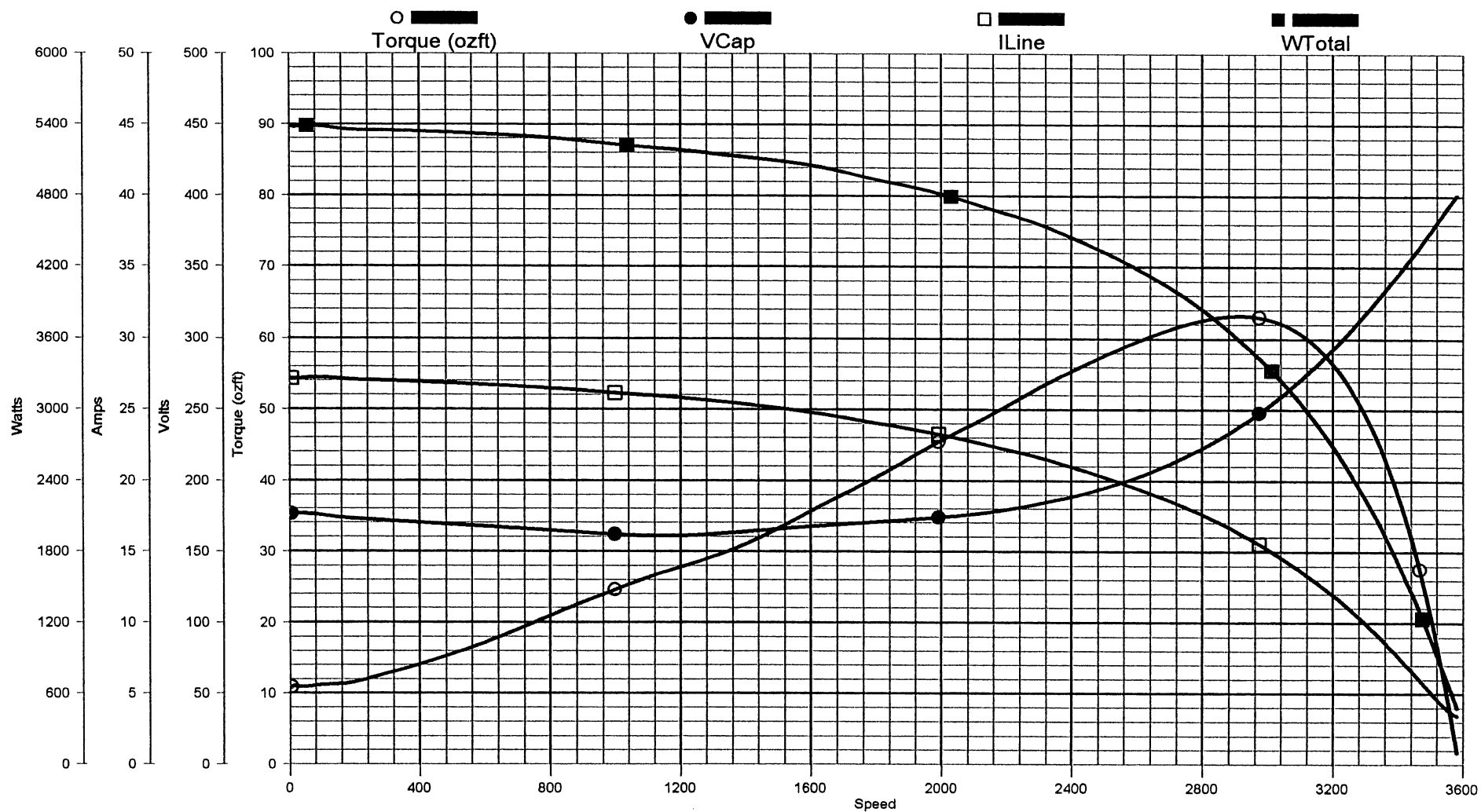
LOCK AMPS: 27.2A
 LOCK TORQUE: 12.0 oz-ft
 BREAKDOWN
 TORQUE: 69.6 oz-ft

DESCRIPTION: OFFSET
 BDT: 69.67
 MT: 69.67
 SF: 35.10
 LRT: 0.00
 LRA: 0.00
 PUT: 0.00
 COMMENT1:
 COMMENT2:
 COMMENT4:

AO Smith

Performance Up Project: 0444227 (High Speed)

Thursday, September 02, 2004 06:03 AM



TRACKING #: 10028999
 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: 0444227A
 FRAME: P56Y
 PHASES: 1
 HP:
 VOLTS: 230.0
 HERTZ: 60
 START CAP: 0.00
 RUN CAP: 25.00
 COMMENT3:

DESCRIPTION: 0-SYNC
 BDT: 63.15
 MT: 63.15
 SF: 35.10
 LRT: 10.67
 LRA: 27.14
 PUT: 10.67
 COMMENT1:
 COMMENT2:
 COMMENT4: