

BALDOR® • RELIANCE

Product Information Packet

IDGM2501

.38HP,1700RPM,3PH,60HZ,K-1,2528M,TEFC,GM

Part Detail							
Revision:	AE	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2528M	Elec. Spec:	25WGW289	CD Diagram:	CD0006A16
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	25E418W289G2
Frame:	K	Mounting:		Poles:	04	Created Date:	
Base:		Rotation:	R	Insulation:	F	Eff. Date:	07-26-2016
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1598A10

CAT.NO.	IDGM2501	SER.NO	
SPEC.	25E418W289G2		
VOLTS	230	IP	
MAG CUR	1.2	SL HZ	4.7
RPM	1650	RPM MAX	3000
HP	3/8	HZ	60
FLA	1.5	WK2	0.0108
RATING	40C AMB-CONT		CLASS
RATIO	10:1	OUT/RPM	165
TORQ/IN LB	105	PH	3
VTSR	6:1		
APRV-CSA		APRV-CE	
		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA086702	SA 25E418W289G2	1.000 EA
RA079732	RA 25E418W289G2	1.000 EA
SR000841	SR 25E418W289G2	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
MJ5019A01	ADHESIVE LOCTITE #680 WAS BAD4525	0.010 EA
25EP2108A30G	EP,25AC DE CL 60R8 RA INSIDE FACE MACHIN	1.000 EA
HW5002A44	N5002-112 RET RING INTERNBEVELED F/6001	1.000 EA
HW4600G69	SEAL .500 X 1.125 X .25, SGL LIP FT802	1.000 EA
25EP2113A04G	EP,25AC ODE GP 42C EXR TEFC WFAN CVR MT	1.000 EA
HW5109A08	WASHER, WAVE SPRING FOR 30MM BORE SMALLE	1.000 EA
HA3100A79	THRUBOLT 10-32 X 6.625	2.000 EA
HW1003A10	WASHER, #10 EX TH LK, ZN X	2.000 EA
55XT0632G03	6-32 X 0.187 RD HD PHILLIPS, SERRATED	1.000 EA
BFN3712	FAN,PM MOTOR STYLE R	1.000 EA
25FH4008A09G	HSG,FAN EXR HSG DEEP NOTCH WEXT 8-32	1.000 EA
12XN0832A14	8-32 X 7/8 HEX HD SCREW	2.000 EA
HG0048A01G	HSG,K EX	1.000 EA
BS0141A01G	HSG,K CAP W/FOOT OPEN SNAP RING 2X .2	1.000 EA
60XM0832A10	SCREW, PAN TORX 8-32X.625 THREAD FORMING	4.000 EA
RM1056	RUBBER SQUARE RING 2.739 I.D.	1.000 EA
HW5002A51	RET RING N5002 - 156 (WALDES) BEVELED 40	1.000 EA
HW4600G59	SEAL,.625" X .875" VITON VT802	1.000 EA
BS0141A02G	HSG,K CAP W/FOOT CLOSED NO SNAP RING	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
60XM0832A10	SCREW, PAN TORX 8-32X.625 THREAD FORMING	4.000 EA
RM1056	RUBBER SQUARE RING 2.739 I.D.	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
BG6203A01	6203 OPEN,C3,SLUSH	1.000 EA
HA1194B01	BLADDER,CJK EXPANSION	1.000 EA
15XM0632A06	SCREW, 6-32X .375, THREAD FORMING	3.000 EA
RM1057	RUBBER SQUARE RING 1.424 I.D.	1.000 EA
19XN1032A12	SCREW, HEX WASHER HEAD, #10-32 X .750	4.000 EA
BMH1910	KEY 3/16X3/16X1 1/8 AUTO X	1.000 EA
33CB3001-PAG	33CB3001-PAINTED	1.000 EA
34CB4500G	GRAY EPOXY 34CB4500 LID	1.000 EA
60XM0832A06	SCREW, PAN TORX 8-32X.375 THREAD FORMING	4.000 EA
34GS1001	GASKET, STD CONDUIT BOX LID (LEXIDE)	1.000 EA
33GS1006	GASKET CONDUIT BOX (LEXIDE)	1.000 EA
15XN0832A06	SCREW 8/32 X 3/8-PHIL.PANHEAD MACHINE-ZI	4.000 EA
WM0054A01	WORM,K 10.0 INP	1.000 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.024 GA
NP1598A10	NP,AC INV AD NONE V CE CSA UL GEAR MO	1.000 EA
LB1451	WARNING LABEL, CE WARNING SYMBOLS ONLY	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
CPA1000	PACKING GROUP STD. SINGLE	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.660 FT

AC Induction Motor Performance Data

Record # 17811 - Typical performance - not guaranteed values

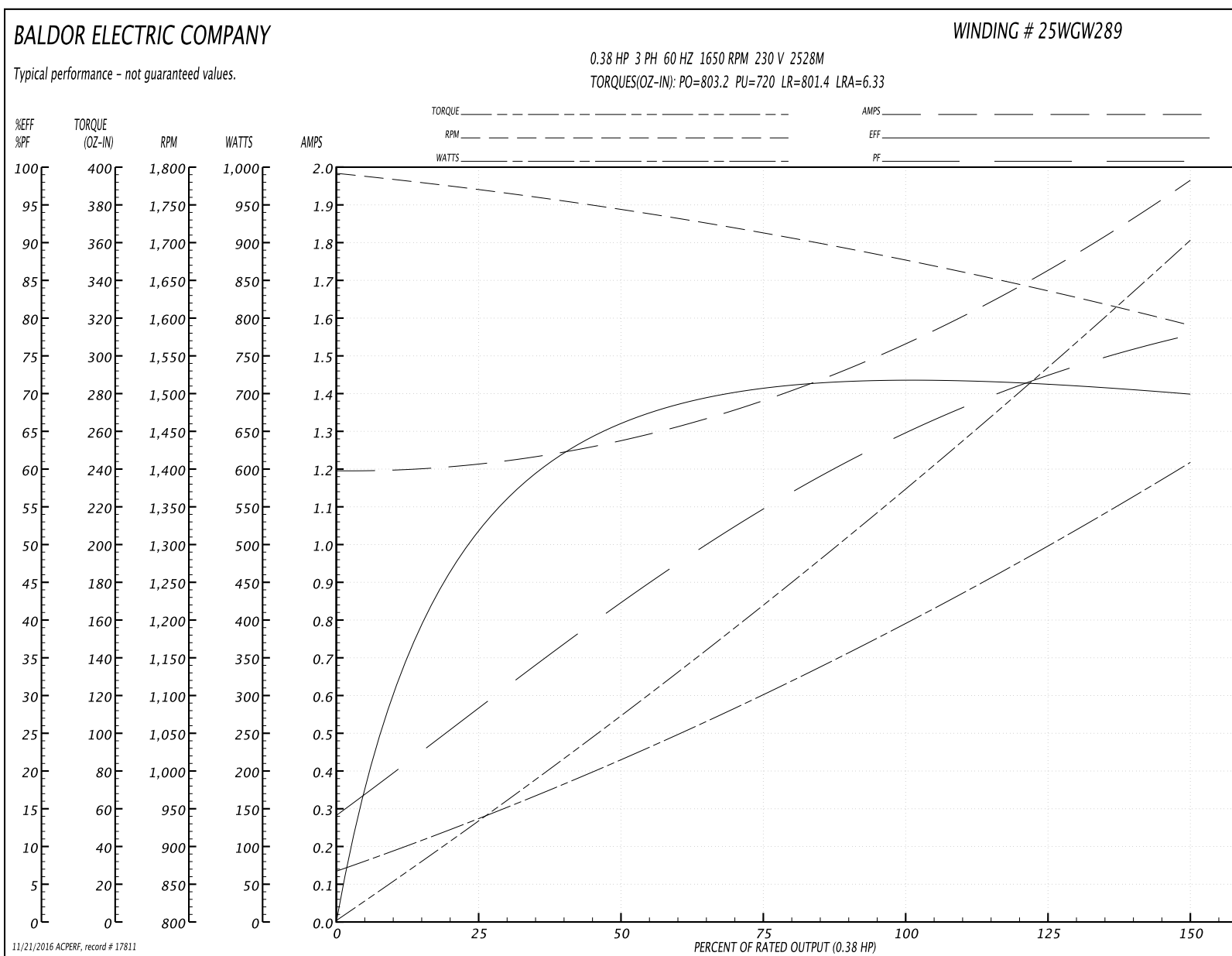
Winding: 25WGW289-R001	Type: 2528M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	0.38			Full Load Torque	228.6 OZ-IN
Volts	230			Start Configuration	WYE start
Full Load Amps	1.5			Breakdown Torque	803.2 OZ-IN
R.P.M.	1650			Pull-up Torque	720 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	801.4 OZ-IN
NEMA Design Code	-	KVA Code	L	Starting Current	6.33 A
Service Factor (S.F.)	1.25			No-load Current	1.19 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	13.578 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps	1.72			Temp. Rise @ S.F. Load	57°C
				Locked-rotor Power Factor	81
				Rotor inertia	24.9 LB-FT ²

Load Characteristics 230 V, 60 Hz, 0.38 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	43	55	64	72	78	72
Efficiency	49.3	65.4	71.3	72.2	71.6	69.6	71.6
Speed	1769	1743	1712	1678	1638	1589	1638
Line amperes	1.22	1.28	1.38	1.53	1.72	1.97	1.72

Performance Graph at 230V, 60Hz, 0.38HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 19751 - Typical performance - not guaranteed values

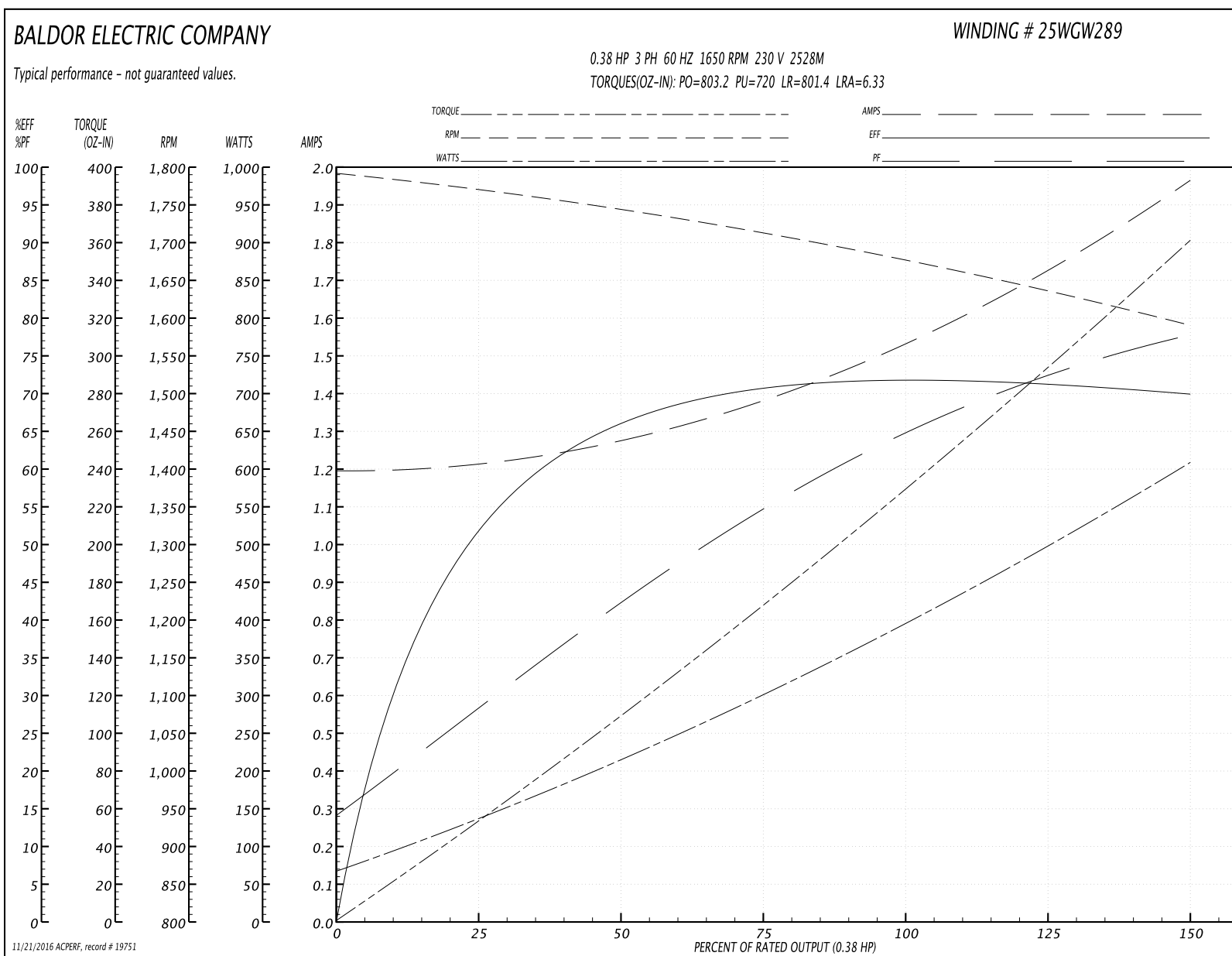
Winding: 25WGW289-R001	Type: 2528M	Enclosure: TEFC
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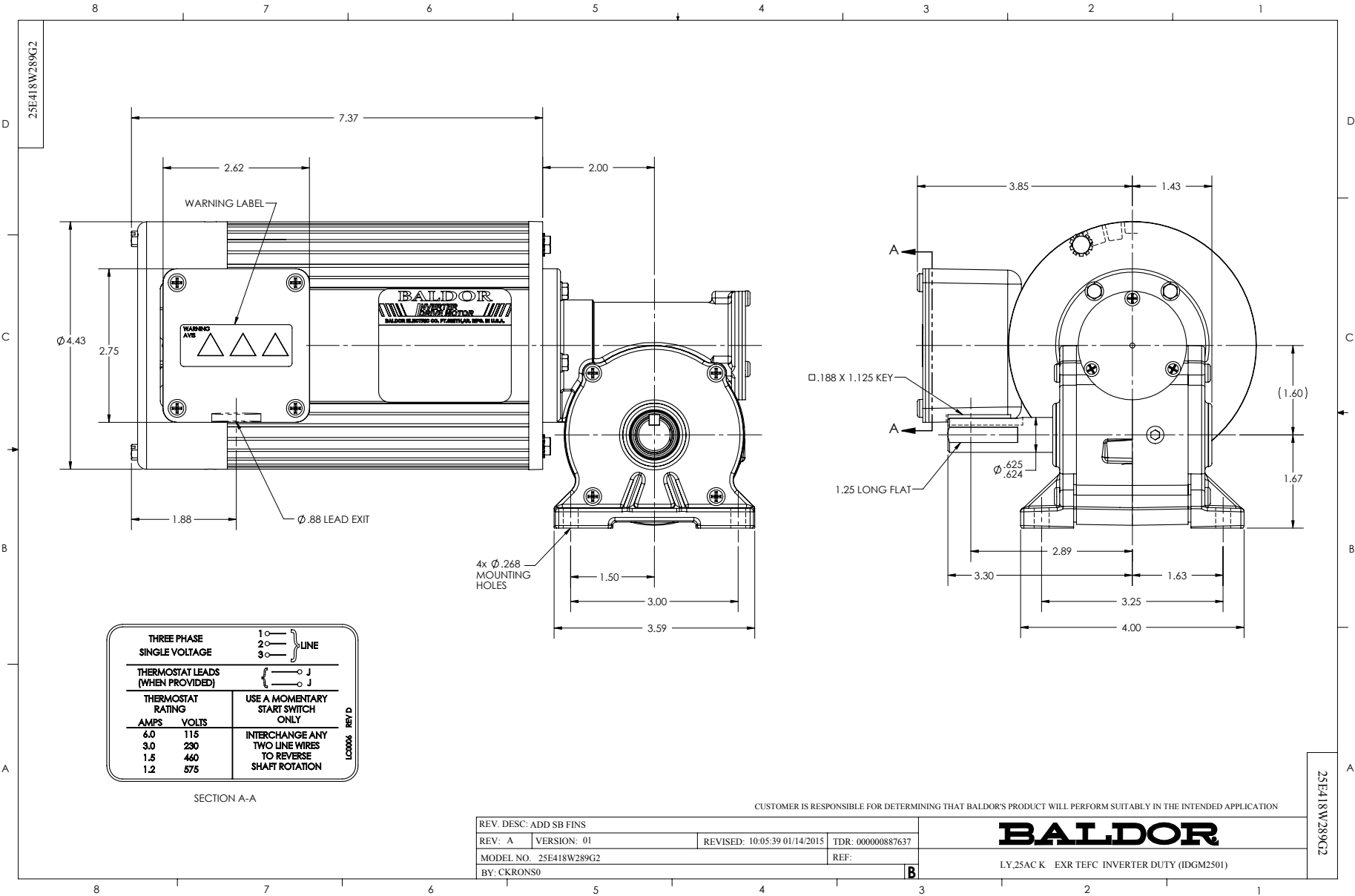
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	0.38			Full Load Torque	228.6 OZ-IN
Volts	230			Start Configuration	WYE start
Full Load Amps	1.5			Breakdown Torque	803.2 OZ-IN
R.P.M.	1650			Pull-up Torque	720 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	801.4 OZ-IN
NEMA Design Code	-	KVA Code	L	Starting Current	6.33 A
Service Factor (S.F.)	1.25			No-load Current	1.19 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	13.578 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps	1.72			Temp. Rise @ S.F. Load	57°C
				Locked-rotor Power Factor	81
				Rotor inertia	24.9 LB-FT ²

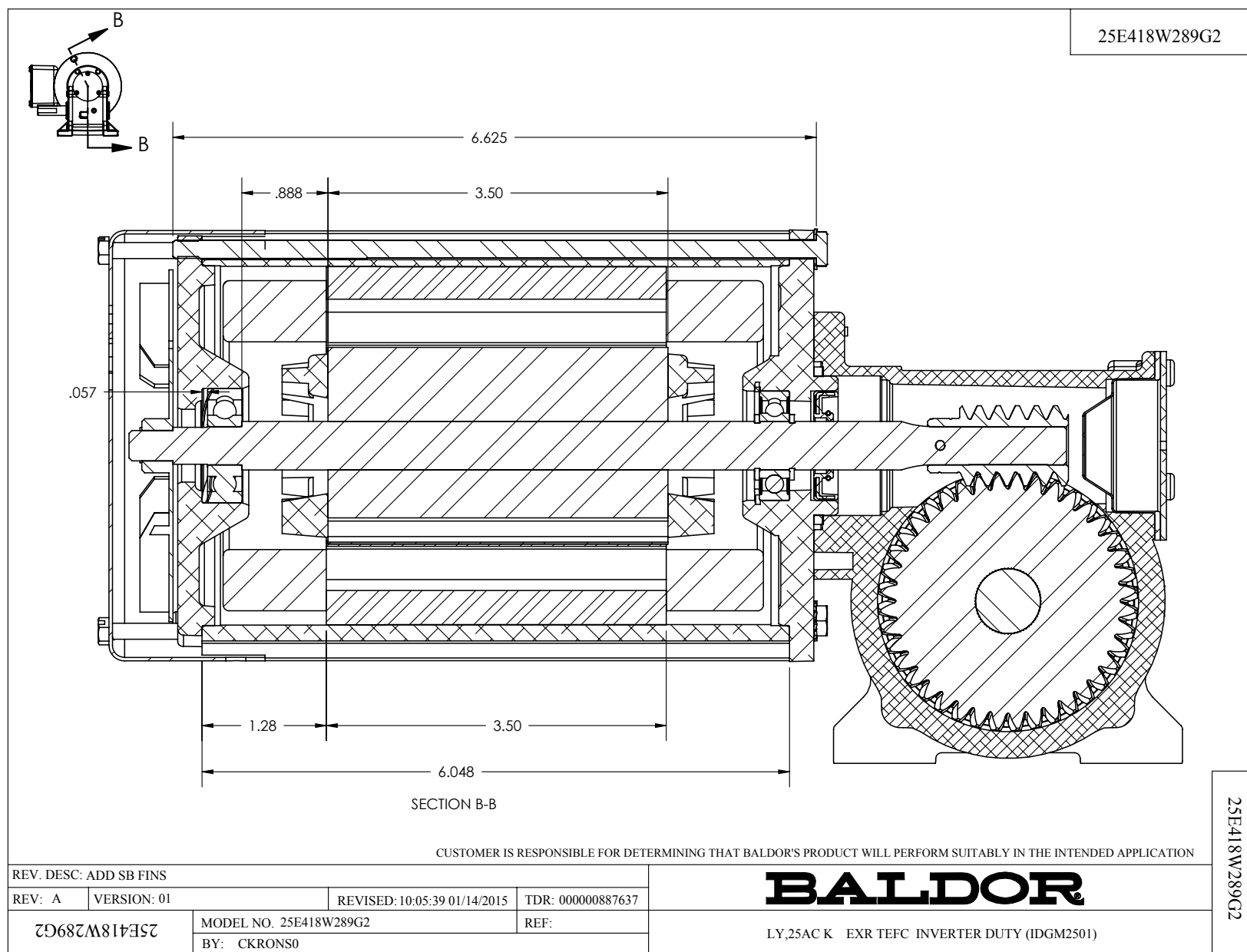
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Power Factor	30	43	55	64	72	78	72
Efficiency	49.3	65.4	71.3	72.2	71.6	69.6	71.6
Speed	1769	1743	1712	1678	1638	1589	1638
Line amperes	1.22	1.28	1.38	1.53	1.72	1.97	1.72

Performance Graph at 230V, 60Hz, 0.38HP Typical performance - Not guaranteed values







ITEM NO.	PART NUMBER	QTY.
1	25EP2108A30	1
2	BG60R8C03	1
3	HW5002A44	1
4	HW5002A51	1
5	HW4600E07	1
6	25SH4005F04	1
7	HW5060A27	2
8	25RC2028A00	1
9	BG6200C03	1
10	WM0054A01	1
11	HW3081C06	1
12	25SB0049F15	1
13	33GS1006	1
14	33CB3001	1
15	15XN0832A06	4
16	34GS1001	1
17	34CB4500	1
18	15XM0832A06	4
19	15XM0832A10	8
20	25EP2113A04	1
21	HW5109A08	1
22	55XT0632G03	1
23	HW1003A10	2
24	HW5100A03	1
25	BFN3712-LAYOUT	1
26	25FH4008A09	1
27	12XN0832A14	2
28	HG0048A01	1
29	HA4021A05	1
30	HA1194B01	1
31	15XM0632A06	3
32	RM1057	1
33	19XN1032A12	4
34	GE0058A04	1
35	HA2250	1
36	BG6203A01	2
37	BS0141A01	1
38	RM1056	2
39	HW4600D29	1
40	BS0141A02	1
41	HA3100A	2
42	BMH1910	1
43	NP1598A10	1
44	LC0006	1
45	LB1451	1

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

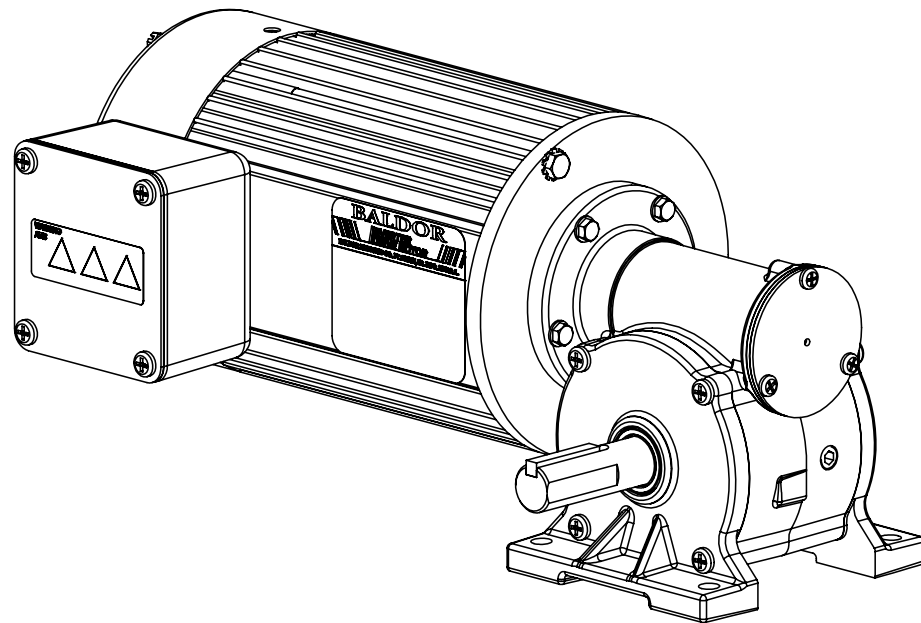
REV. DESC: ADD SB FINS

REV: A	VERSION: 01	REVISED: 10:05:39 01/14/2015	TDR: 000000887637
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25E418W289G2

MODEL NO. 25E418W289G2

BY: CKRONSO



25E418W289G2

25E418W289G2

BALDOR

LY,25AC K EXR TEFC INVERTER DUTY (IDGM2501)

