

BALDOR® • RELIANCE

Product Information Packet

IDGM2509

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

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2528M	Elec. Spec:	25WGW289	CD Diagram:	CD0006A16
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	25E418W289G6
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 NP1598A12

CAT.NO.	IDGM2509	SER.NO	
SPEC.	25E418W289G6		
VOLTS	230	IP	44
MAG CUR	1.2	SL HZ	4.7
RPM	1650	RPM MAX	3000
HP	.38HP	HZ	60
FLA	1.5	PH	3
RATING	40C AMB-CONT	WK2	0.0108
RATIO	75:1	CLASS	F
TORQ/IN LB	315	OUT/RPM	22
CTSR	3:1		
APRV-CSA	☐	APRV-CE	☐
		APRV-UL	☐

Parts List		
Part Number	Description	Quantity
SA086712	SA 25E418W289G6	1.000 EA
RA079742	RA 25E418W289G6	1.000 EA
SR000845	SR 25E418W289G6	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
15XN0832A06	SCREW 8/32 X 3/8-PHIL.PANHEAD MACHINE-ZI	4.000 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
WM0054A13	WORM,K 75.0 INP 1.6 CD	1.000 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.024 GA
NP1598A12	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 # 19175 - Typical performance - not guaranteed values

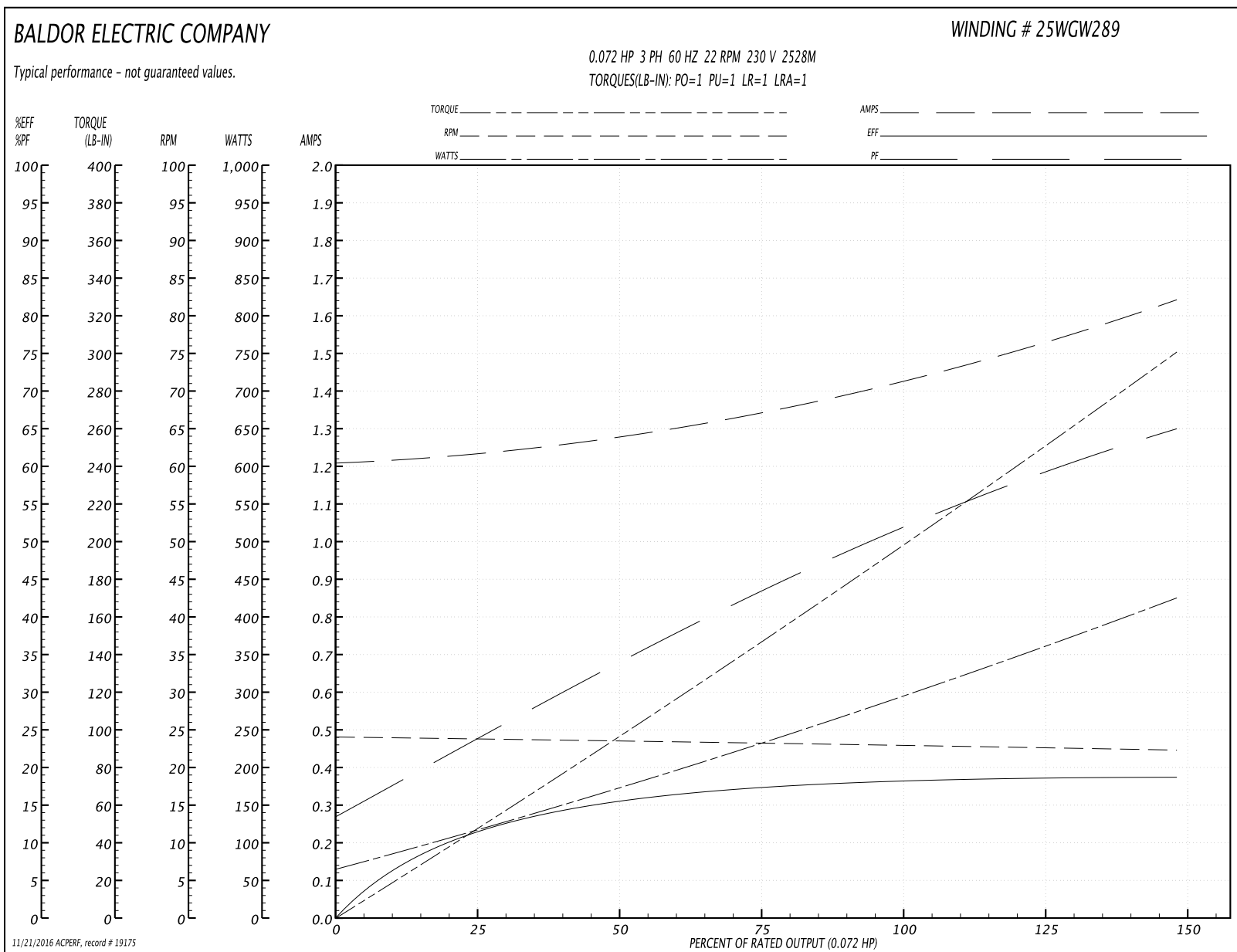
Winding: 25WGW289-R001 Gear Type: RIGHTANGLE	Type: 2528M Gear Style: K	Enclosure: TEFC Gear Ratio: 75:1
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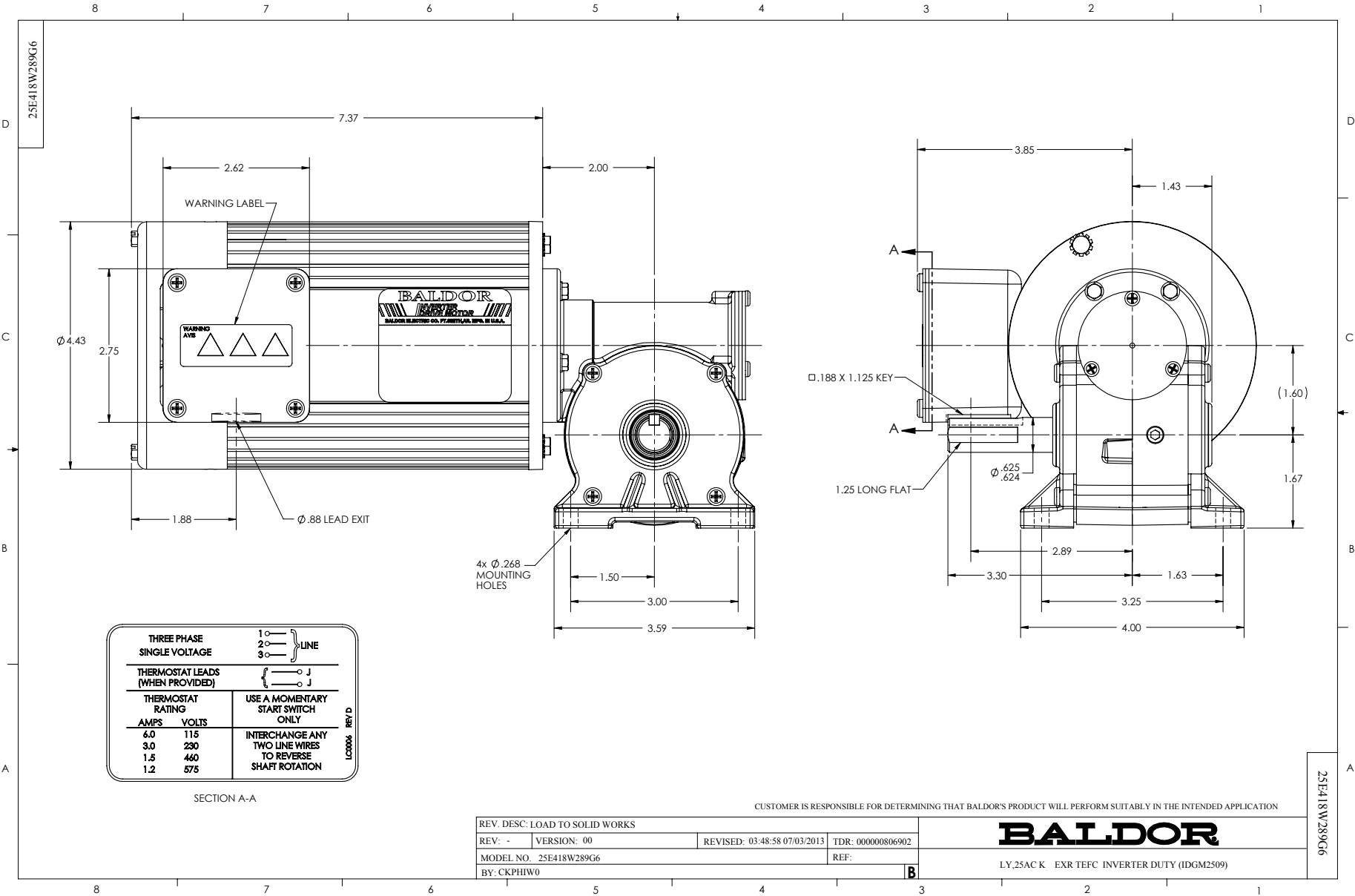
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.38			Full Load Torque	200 LB-IN
Volts	230			Start Configuration	WYE start
Full Load Amps	1.5			Breakdown Torque	1 LB-IN
R.P.M.	22			Pull-up Torque	1 LB-IN
Hz	60	Phase	3	Locked-rotor Torque	1 LB-IN
NEMA Design Code	-	KVA Code	L	Starting Current	1 A
Service Factor (S.F.)	1.25			No-load Current	1.21 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	
S.F. Amps	1.72			Temp. Rise @ S.F. Load	

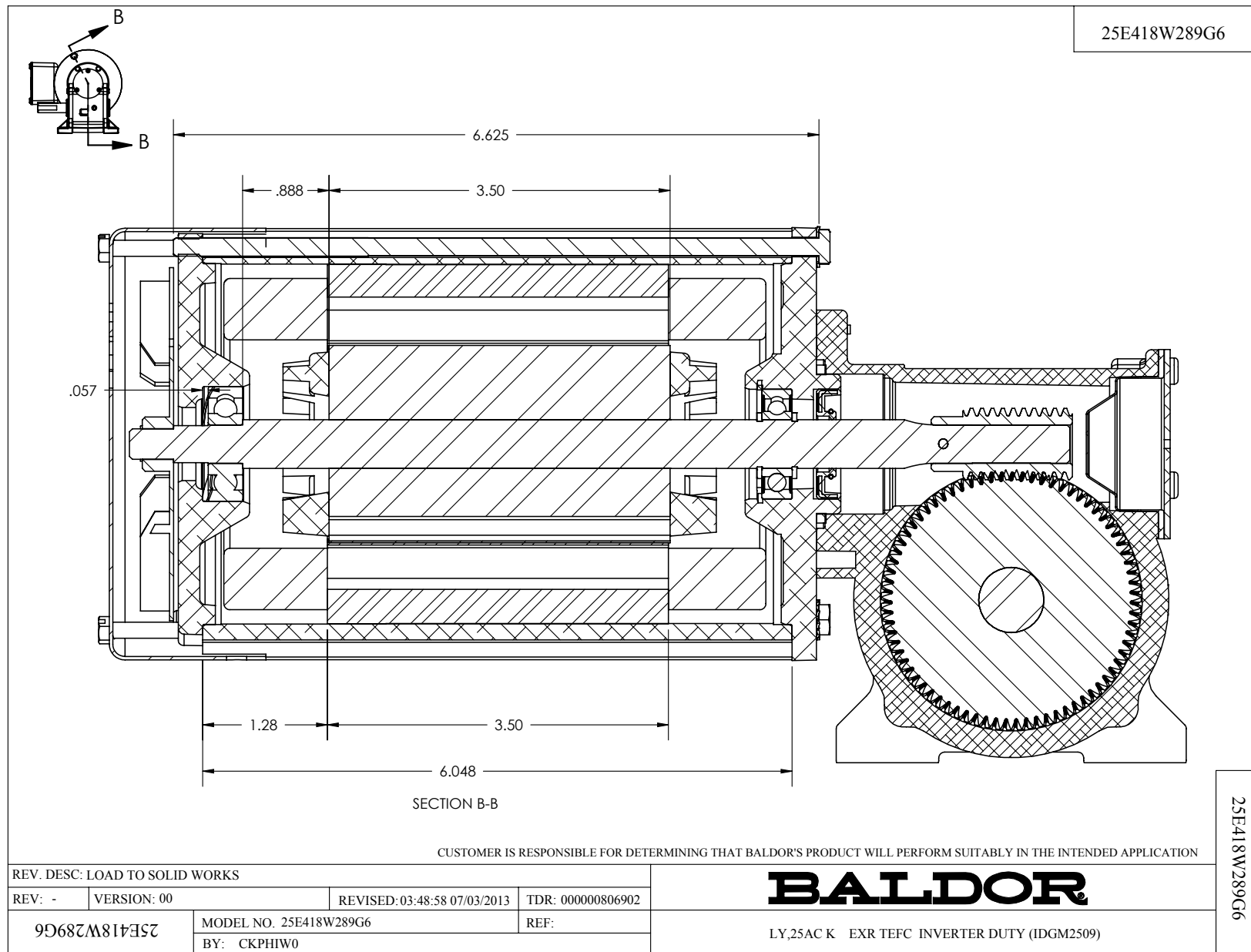
Load Characteristics 230 V, 60 Hz, 0.072 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	23	34	43	53	62	63	62
Efficiency	12.4	16.2	18.1	18.3	17.1	19.5	17.1
Speed	23.8	23.6	23.2	22.9	22.5	22.4	23
Line amperes	1.24	1.28	1.33	1.42	1.57	1.62	1.57

Performance Graph at 230V, 60Hz, 0.072HP Typical performance - Not guaranteed values







ITEM NO.	PART NUMBER	QTY.
1	25EP2108A30	1
2	BG6R8	1
3	HW5002A44	1
4	HW5002A51	1
5	HW4600E07	1
6	25SH4005F04	1
7	HW5060A27	2
8	25RC2028A00	1
9	BG6200C03	1
10	WM0054A13	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	HA3100A79	2
25	BFN3712	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	GE0067A02	1
35	HA2250	1
36	BG6203	2
37	BS0141A01	1
38	RM1056	2
39	HW4600D29	1
40	BS0141A02	1
41	HA5100A03	1
42	BMH1910	1
43	NP1598A13	1
44	LC0006	1
45	LB1451	1

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

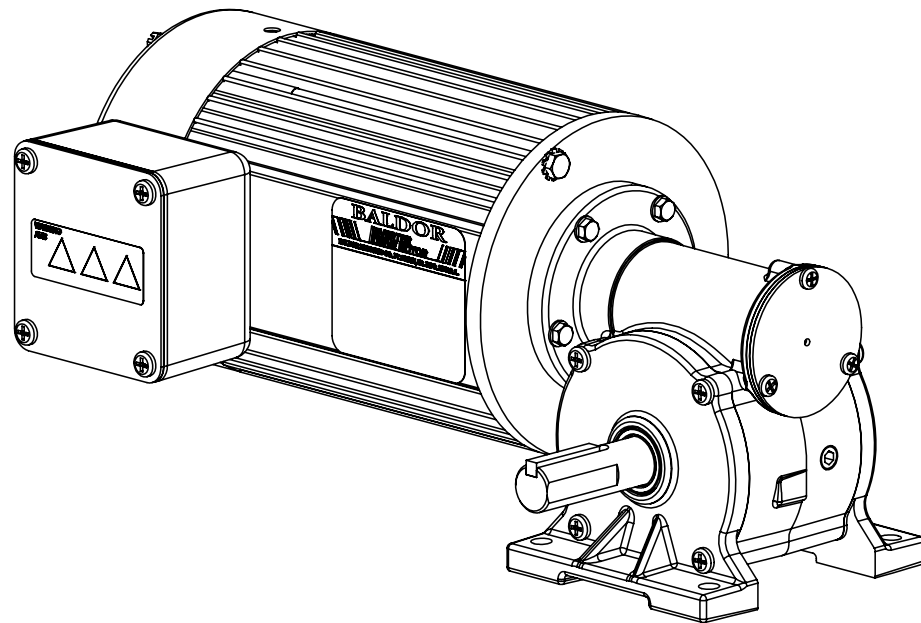
REV. DESC: LOAD TO SOLID WORKS

REV: - VERSION: 00 REVISED: 03:48:58 07/03/2013 TDR: 000000806902

25E418W289G6

MODEL NO. 25E418W289G6

BY: CKPHIW0



25E418W289G6

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BALDOR

LY,25AC K EXR TEFC INVERTER DUTY (IDGM2509)

