

BALDOR® • RELIANCE

Product Information Packet

IDGM2503

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

Part Detail							
Revision:	AC	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	25GW289	CD Diagram:	CD0006A16	Mfg Plant:	
Mech. Spec:		Layout:	25E418W289G3	Poles:	04	Created Date:	
Base:		Eff. Date:	04-18-2017	Leads:	3#18		

Specs			
Enclosure:	TEFC		
Gearhead Type:	RIGHT ANGLE		
Gear Ratio:	20:1		
Gear Style:	K		
Connection Diagram:	CD0006A16		
Dimensional Drawing Numbers:	25E418W289G3		
Duty Rating:	CONT		
Frame Material:	Aluminum		
Insulation Class:	F		
KVA Code:	L		

Nameplate NP1598A10

CAT.NO.	IDGM2503	SER.NO	
SPEC.	25E418W289G3		
VOLTS	230	IP	44
MAG CUR	1.2	SL HZ	4.7
RPM	1650	RPM MAX	3000
HP	.38HP	HZ	60
FLA	1.5	WK2	0.0108
RATING	40C AMB-CONT		CLASS
RATIO	20:1	OUT/RPM	83
TORQ/IN LB	138		
VTSR	3:1		
APRV-CSA	☐	APRV-CE	☐
		APRV-UL	☐

AC Induction Motor Performance Data

Record # 19163 - Typical performance - not guaranteed values

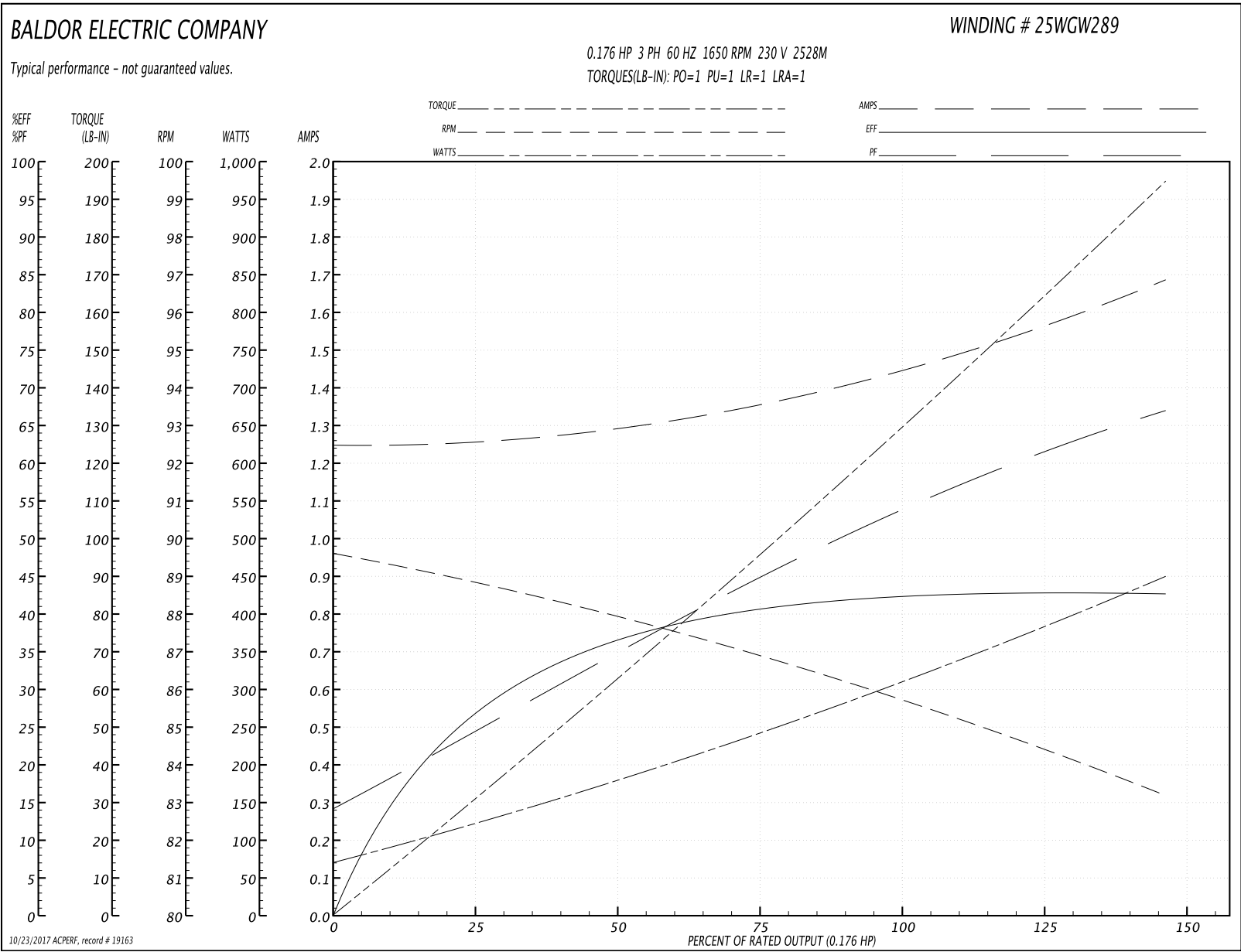
Winding: 25WGW289-R001 Gear Type: RIGHTANGLE	Type: 2528M Gear Style: K	Enclosure: TEFC Gear Ratio: 20:1
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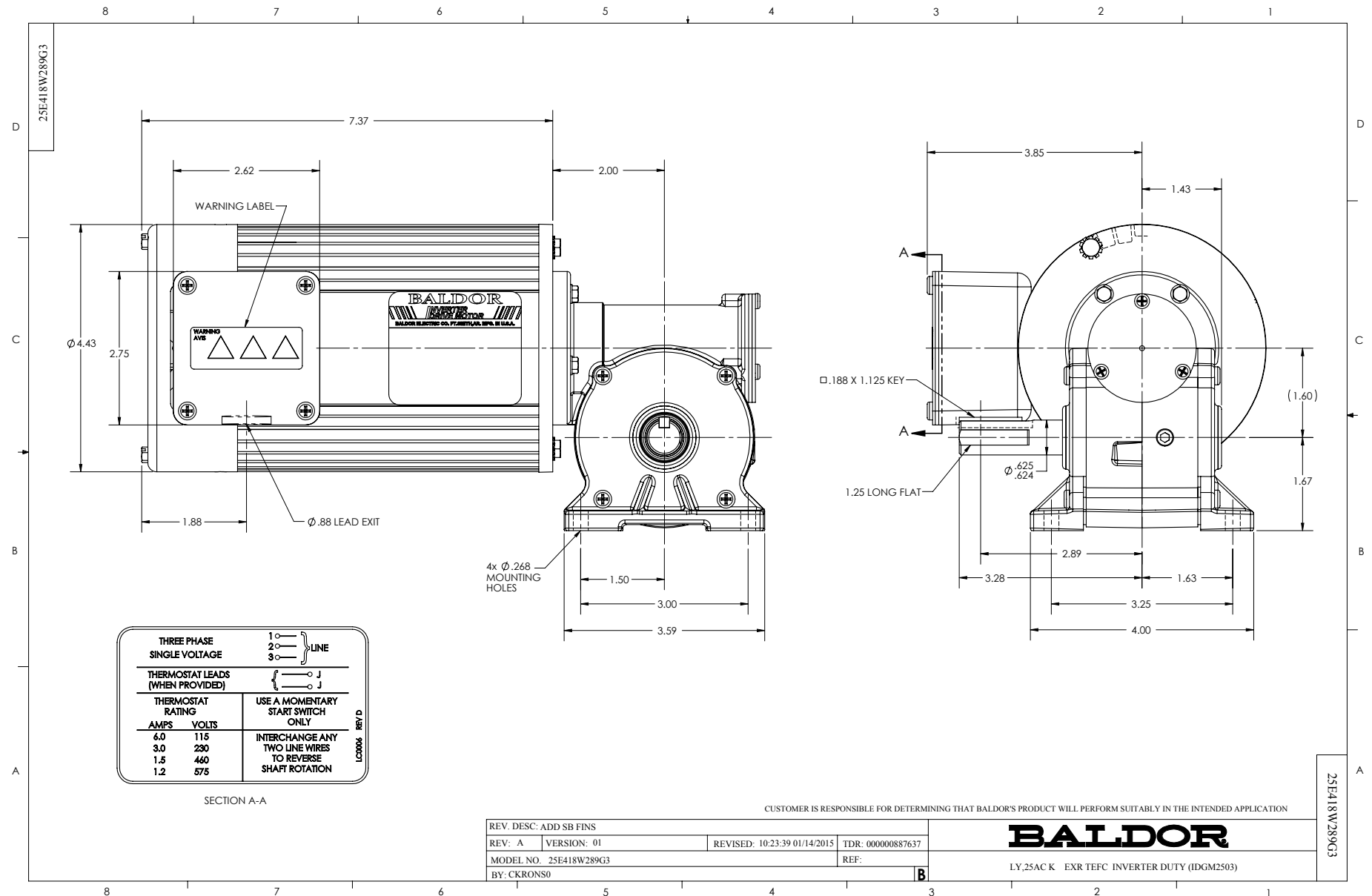
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.38			Full Load Torque	130 LB-IN
Volts	230			Start Configuration	WYE start
Full Load Amps	1.5			Breakdown Torque	1 LB-IN
R.P.M.	1650			Pull-up Torque	1 LB-IN
Hz	60	Phase	3	Locked-rotor Torque	1 LB-IN
NEMA Design Code	-	KVA Code	L	Starting Current	1 A
Service Factor (S.F.)	1.25			No-load Current	1.25 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	

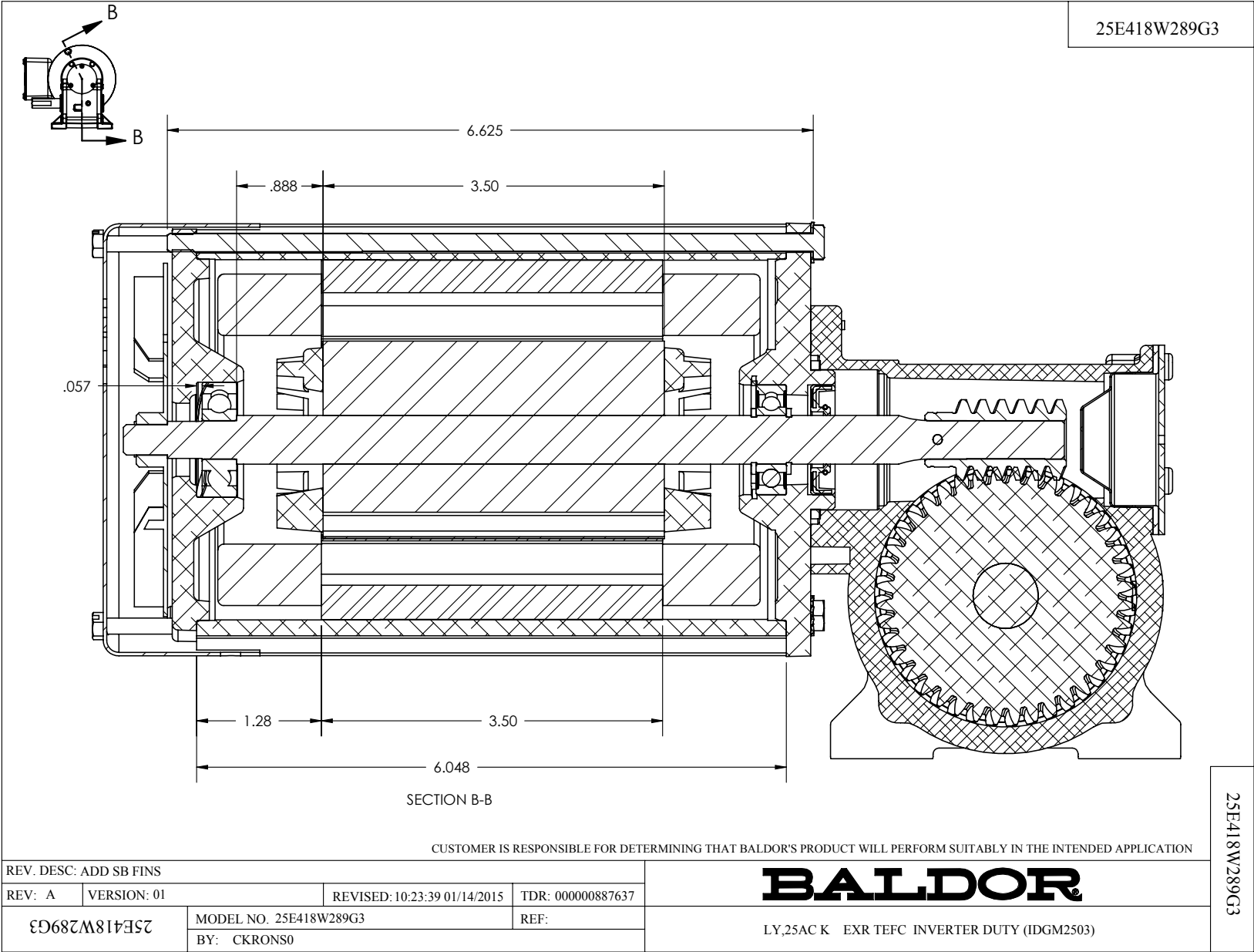
Load Characteristics 230 V, 60 Hz, 0.176 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	35	45	55	61	67	61
Efficiency	27.8	37.4	40.8	41.7	43.1	42.7	43.1
Speed	88.8	87.9	86.9	85.6	84.5	83.2	85
Line amperes	1.25	1.3	1.36	1.45	1.55	1.69	1.55

Performance Graph at 230V, 60Hz, 0.176HP 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	WM0054A02	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	HA3100A	2
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	GE0058A05	1
35	HA2250	1
36	BG6203A01	2
37	BS0141A01	1
38	RM1056	2
39	HW4600D29	1
40	BS0141A02	1
41	BFN3712-LAYOUT	1
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: 10:23:39 01/14/2015

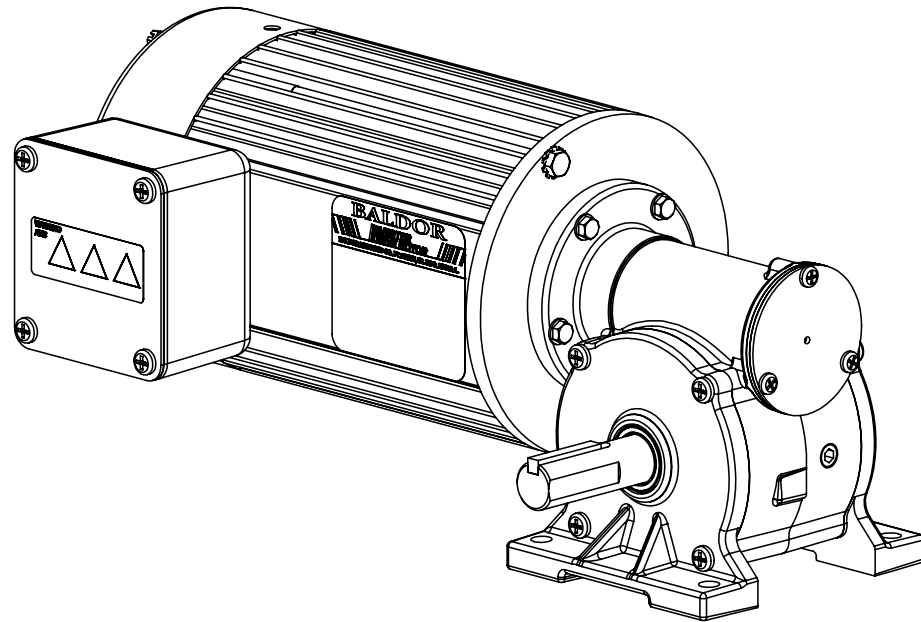
TDR: 000000887637

25E418W289G3

MODEL NO. 25E418W289G3

REF:

BY: CKRONSO



25E418W289G3

25E418W289G3

BALDOR

LY,25AC K EXR TEFC INVERTER DUTY (IDGM2503)

