

BALDOR® • RELIANCE

Product Information Packet

IDGM2514

G.M. S16XF 230V AC 120:1 14 RPM IDGM2514

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2516M	Elec. Spec:	25WGW501	CD Diagram:	CD0006A16
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	25E988W501G2
Frame:	G	Mounting:		Poles:	04	Created Date:	10-14-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-30-2016
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1598A15

CAT.NO.	IDGM2514	SER.NO	
SPEC.	25E988W501G2		
VOLTS	230		
MAG CUR	.67	SL HZ	4
RPM	1680	RPM MAX	2677
HP	.17HP	HZ	60
FLA	.78	WK2	0.0062
RATING	40C AMB-CONT		CLASS
RATIO	120:1	OUT/RPM	14
TORQ/IN LB	375		
VTSR	6:1		
APRV-CSA		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA271615	SA 25E988W501G2	1.000 EA
RA258241	RA 25E988W501G2	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
25EP2108A73G	EP,25AC DE CL 6201 G GH MTG. C'SUNK THRU	1.000 EA
HW5002A95	N5002-125 32MM BEVELED INTERNAL RET RING	1.000 EA
HW4600C38	SEAL TRANSCOM #10X30X7TC	1.000 EA
WM0038A24	WORM,BE 30.0 INP 1.083 C.D. 913 GEOMET	1.000 EA
MJ5019A01	ADHESIVE LOCTITE #680 WAS BAD4525	0.010 EA
24CB3000B	CONDUIT BOX - MODEL 24 KENCO	1.000 EA
XY0632A05	NUT, #6-32 SELF LOCKING	2.000 EA
XY0632A04	NUT, #6-32 ACORN, HIGH CROWN	1.000 EA
24CB3500A	CONDUIT BOX LID W/BALDOR LOGO	1.000 EA
15XP0619A08	#6-19X1/2 PAN HD PHILLIPS PLASTITE 48-2	4.000 EA
25EP2101A97G	EP,25AC ODE CL NONE 0.500 SHAFT EXIT & O	1.000 EA
11XT0832G04	8-32 X 1/4 TY 23 TAPPING	1.000 EA
HW5109A08	WASHER, WAVE SPRING FOR 30MM BORE SMALLE	1.000 EA
HA3170A23	THRUBOLT,FLAT HD. #8-32 THDS X 5.625 LON	2.000 EA
BFN3712	FAN,PM MOTOR STYLE R	1.000 EA
25FH4003G	FAN COVER, 25F PAINTED	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 EA
HG0074A04G	HSG,G MACHINED STD.	1.000 EA
84XN1032J08	10-32 X 1/2 SOC HD CAP BKOX	4.000 EA
RM1057	RUBBER SQUARE RING 1.424 I.D.	1.000 EA
MJ5004A35	ADHESIVE LOCTITE #243-31 50 ML	0.001 EA

Parts List (continued)		
Part Number	Description	Quantity
HW3075J05	1/4 X 1/2 GROOVE PIN TYPE H	2.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
SG0056A26	SHAFT,ASSY G INP 2RED 4.0/30.0	1.000 EA
SG0056A18	SHAFT,ASSY G OUTP 2RED 0.0/4.0	1.000 EA
CG0011A04G	HSG,CAP G MACHINED 3X 5/16-18 MOUNTING	1.000 EA
HW5109A04	WASHER, SPLIT WAVE SPRING, FOR 32MM BORE	1.000 EA
HW5109A10	WASHER, WAVE SPRING FOR 47MM BORE SMALLE	1.000 EA
84XN2520J16	1/4-20 X 1 SOC HD CAP SCREW	6.000 EA
HW4600G71	SEAL, .750 X 1.250 X .250 SGL LIP FT802	1.000 EA
MJ5001A15	SEALER-PERMATEX(LOCTITE) 40479 "THE RIGH	0.030 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.050 GA
HW2501D15	KEY, 3/16 X 1.625	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.125 FT
NP1598A15	NP,AC INV AD NONE V CSA UL GEAR MO VTSR	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
CPA1001	PACKING GROUP OVERSIZED SINGLE	1.000 EA
PK3090	2" X 7 1/8 X 6 1/2" CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 45239 - Typical performance - not guaranteed values

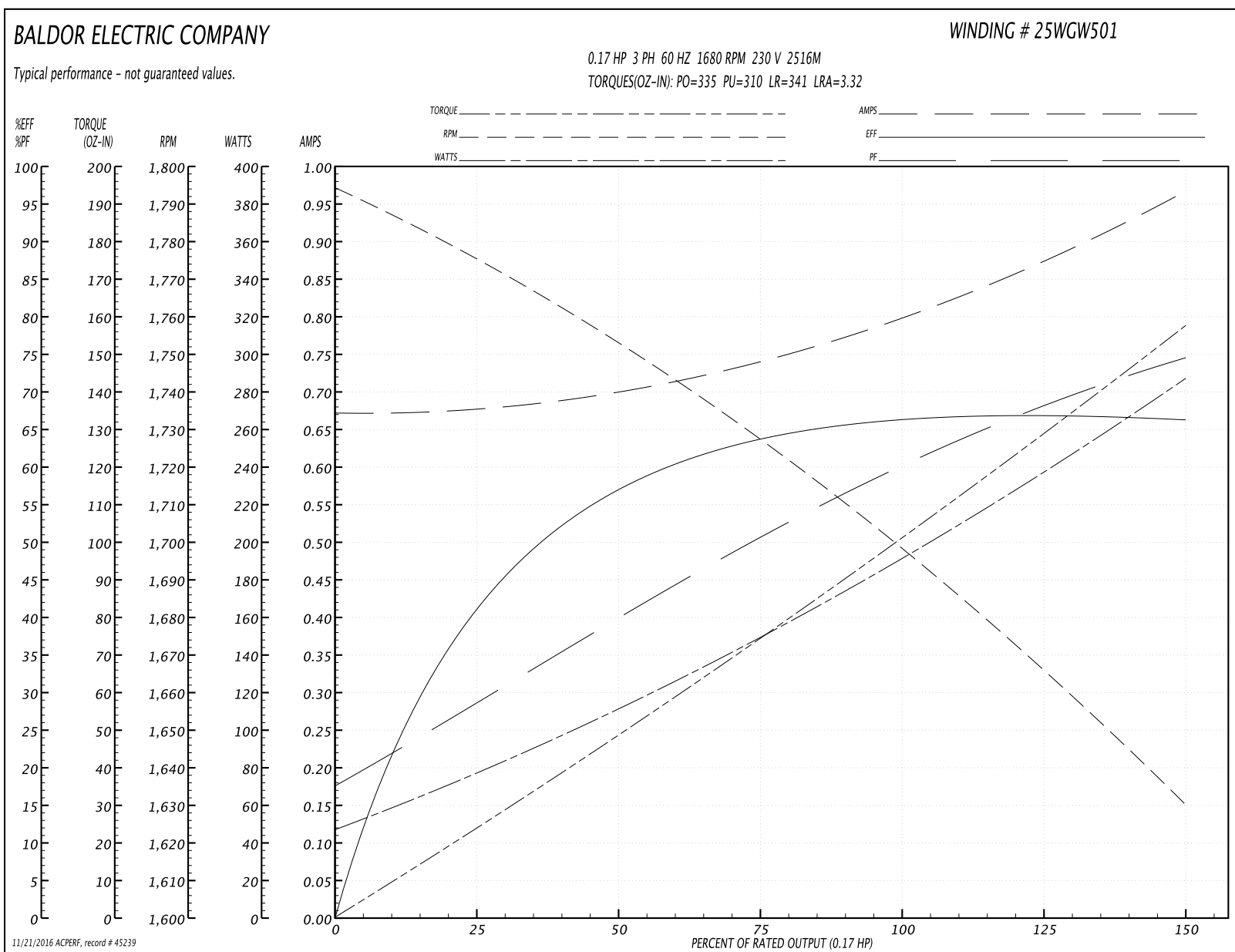
Winding: 25WGW501-R001	Type: 2516M	Enclosure: TEFC
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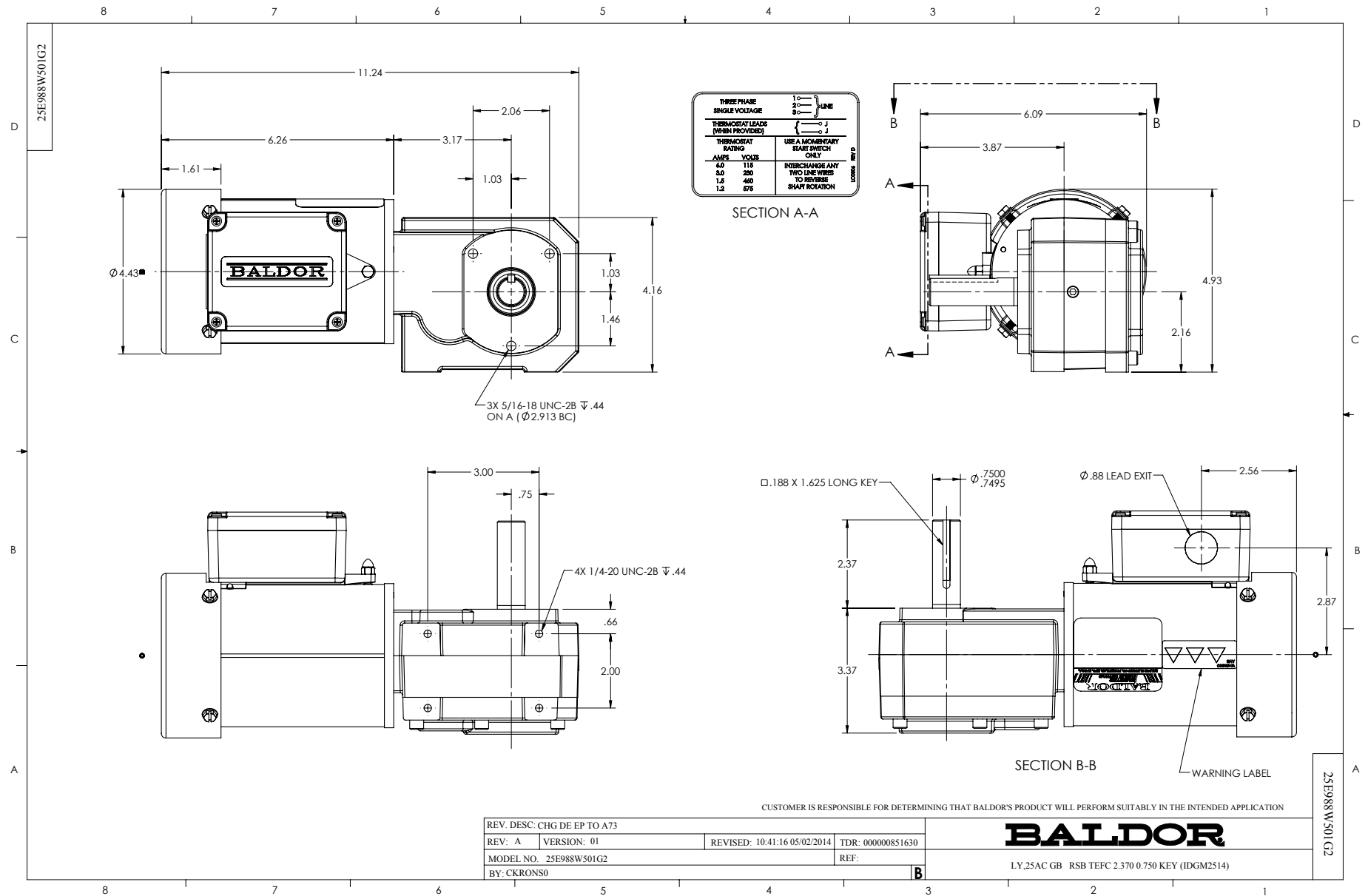
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.17			Full Load Torque	101 OZ-IN
Volts	230			Start Configuration	direct on line
Full Load Amps	.78			Breakdown Torque	335 OZ-IN
R.P.M.	1680			Pull-up Torque	310 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	341 OZ-IN
NEMA Design Code	-	KVA Code	J	Starting Current	3.32 A
Service Factor (S.F.)	1			No-load Current	0.67 A
NEMA Nom. Eff.	66	Power Factor	60	Line-line Res. @ 25°C	36.975 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	50°C
				Locked-rotor Power Factor	85
				Rotor inertia	14.2 LB-FT ²

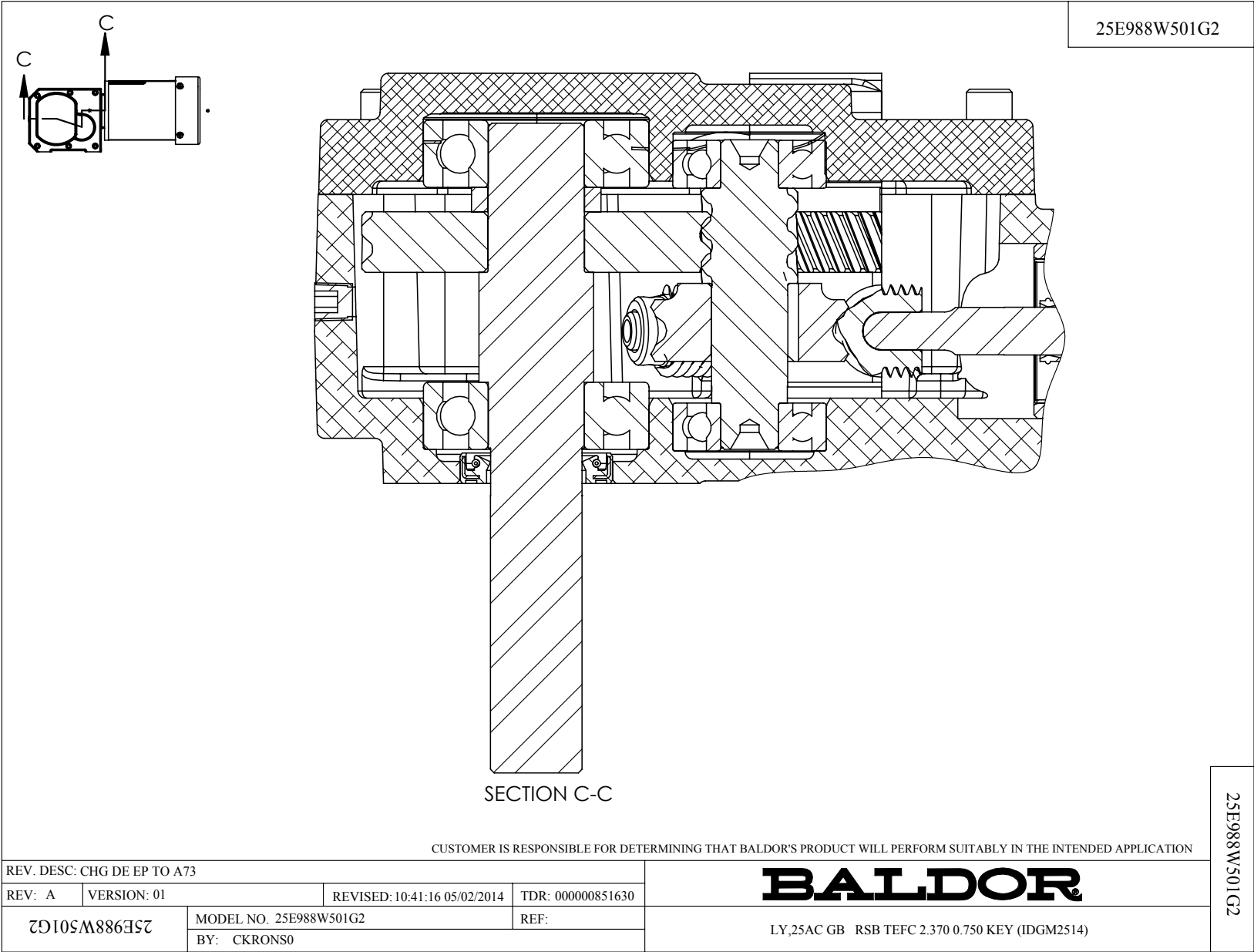
Load Characteristics 230 V, 60 Hz, 0.17 HP

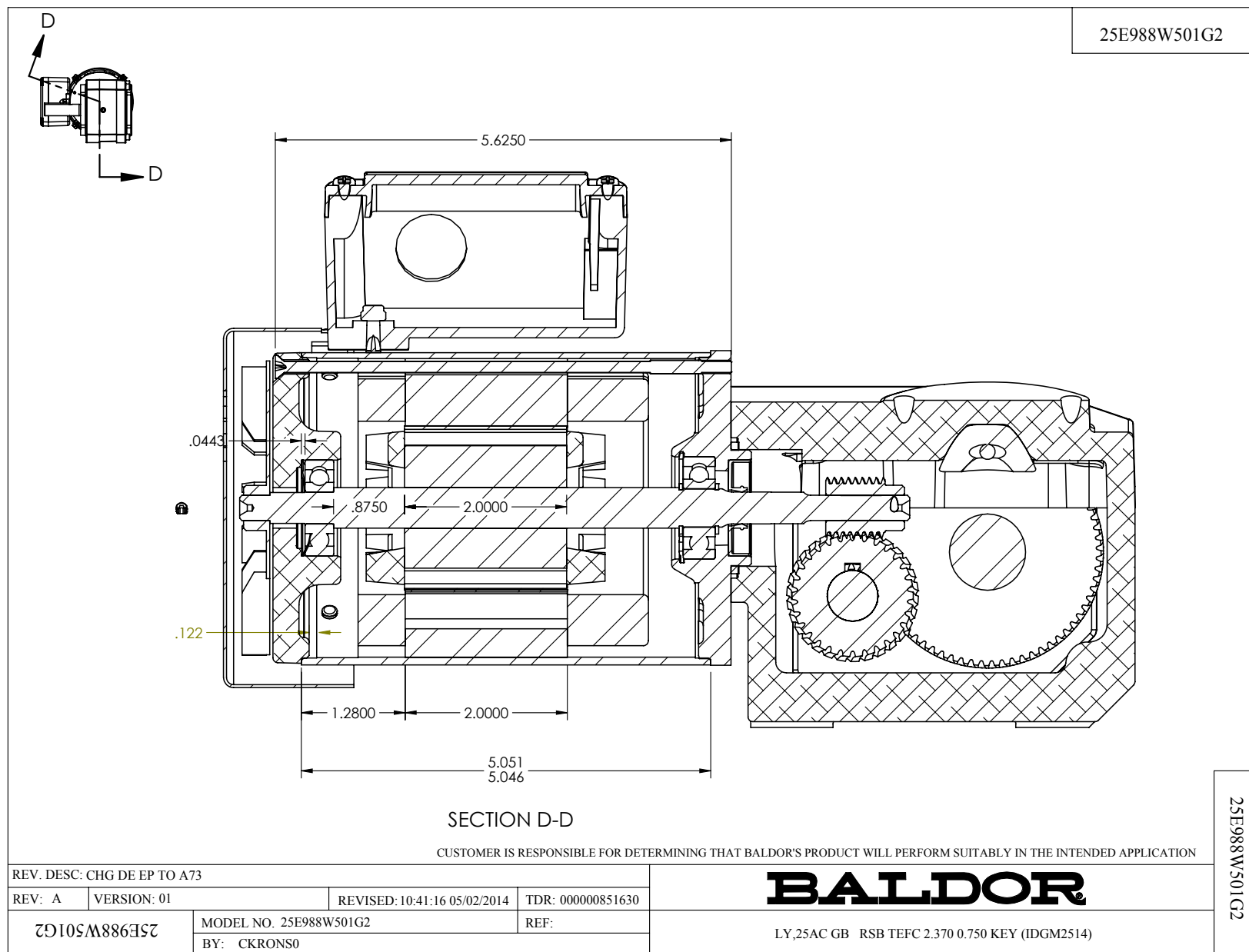
% of Rated Load	25	50	75	100	125	150
Power Factor	28	40	51	60	68	74
Efficiency	41.3	56.6	63.5	66.5	67.2	66.2
Speed	1775	1752	1727	1699	1667	1629
Line amperes	0.68	0.7	0.74	0.8	0.87	0.97

Performance Graph at 230V, 60Hz, 0.17HP Typical performance - Not guaranteed values









ITEM NO.	PART NUMBER	QTY.
1	BG6201C03	1
2	HW5002A95	1
3	HW4600C38	1
4	25SH4006C23	1
5	25RC2016A00	1
6	HW5060A12	2
7	BG6200C03	1
8	WM0038A24	1
9	HW3081C05	1
10	25SB0047D01	1
11	24CB3000B	1
12	XY0632A05	2
13	XY0632A04	1
14	24CB3500A	1
15	15XP0619A08	4
16	25EP2101A97	1
17	HW5109A08	1
18	11XT0832G04	1
19	HA3170A23	1
20	BFN3712	1
21	25FH4003	1
22	51XB1016A07	4
23	RM1057	1
24	HG0074A04	1
25	84XN2520J08	4
26	HW3075J05	2
27	HA4021A05	1
28	SG0056A26	1
29	SG0056A18	1
30	CG0011A04	1
31	HW5109A10	1
32	HW5109A04	1
33	84XN2520J16	6
34	HW4600D39	1
35	HW2501D15	1
36	NP1598A15	1
37	LB1451	1
38	LC0006	1
39	25EP2108A73	1

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

REV. DESC: CHG DE EP TO A73

REV: A

VERSION: 01

REVISED: 10:41:16 05/02/2014

TDR: 000000851630

25E988W501G2

MODEL NO. 25E988W501G2

REF:

BY: CKRONSO

BALDOR

LY,25AC GB RSB TEFC 2.370 0.750 KEY (IDGM2514)

25E988W501G2

25E988W501G2

