

BALDOR® • RELIANCE

Product Information Packet

GCP25216

1/6 HP7.7 RPM @ 310 In-lbs115/230 AC PSL

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2520C	Elec. Spec:	25WGW148	CD Diagram:	CD0491A01
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	25E908W148G1
Frame:	PSL	Mounting:		Poles:	04	Created Date:	03-30-2011
Base:		Rotation:	R	Insulation:	F	Eff. Date:	04-11-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1220A05

CAT.NO.	GCP25216		
SER.NO			
SPEC.	25E908W148G1		
HP	.05//.06	TE	
VOLTS	115/230		
AMP	1.66/.83//1.16/.58		
HZ	50//60	PH	1
AMB.	40	DUTY	CONT
CAP	4	CODE	G
SER.F.	1.00	CLASS	F
SF AMP			
R.P.M.	6.3//7.6		
TORQ/IN LB	369		
RATIO	225:1		
APRV-CE		APRV-CSA	
		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA222771	SA 25E908W148G1	1.000 EA
RA209899	RA 25E908W148G1	1.000 EA
OC4004A01	DRY FILM METALLIZED CAP,4MFD 440V W/FOOT	1.000 EA
LC0491	CONNECTION LABEL	1.000 EA
HG0076A03AG	HSG,PSL EP 25AC LONG HOUSING	1.000 EA
BMH1716	WASHER,PREC 1.175"X.751"X.020"	1.000 EA
HW5002A45	RETAINING RING,WALDES TRUARC N5002-118	1.000 EA
HW4600G58	SEAL,10X20X4MM PGS 25002184 VITON VT802	1.000 EA
HW3064E05	1/8 X 1/2 PIN DRIVE LOK TYPE H	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
24CB3000A	CONDUIT BOX - MODEL 24	1.000 EA
XY0632A04	NUT, #6-32 ACORN, HIGH CROWN	1.000 EA
XY0632A05	NUT, #6-32 SELF LOCKING	2.000 EA
WD4047A01	INSULATION DISPLACEMENT CONNECTOR, 557	1.000 EA
LB1242	ADHESIVE PATCH 1.10 X 2.03 X .045 THICK	1.000 EA
24CB3500B	CONDUIT BOX LID - MODEL 24 NO LOGO	1.000 EA
15XP0619A08	#6-19X1/2 PAN HD PHILLIPS PLASTITE 48-2	4.000 EA
25EP2101A18G	EP,25AC ODE CL NONE 0.500 SHAFT EXIT	1.000 EA
HW5109A08	WASHER, WAVE SPRING FOR 30MM BORE SMALLE	1.000 EA
11XT0832G04	8-32 X 1/4 TY 23 TAPPING	1.000 EA
HA3170S06	THRUBOLT,FLAT HD. #8-32 THDS X 6.125 LON	2.000 EA
BFN3712	FAN,PM MOTOR STYLE R	1.000 EA
25FH4003G	FAN COVER, 25F PAINTED	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
BGS01615	SHAFT,ASSY PSL LONG INT1 4RED 5.0/5.0	1.000 EA
SG0045A41	SHAFT,ASSY PSL LONG INT2 4RED 3.0/5.0	1.000 EA
BGS00114	SHAFT,ASSY PSLH LONG INT3 4RED 3.0/3.0	1.000 EA
BGS00084	SHAFT,ASSY PSL LONG OUTP 4RED 0.0/3.0	1.000 EA
CG0012A01AG	CAP, PSL GEAR HEAD	1.000 EA
RM1020A22	O-RING .070 X 4.527	1.000 EA
HW4600G71	SEAL, .750 X 1.250 X .250 SGL LIP FT802	1.000 EA
BH1163A03	SCE1212 INA NEEDLE ROLLER BBG1027	1.000 EA
60XM2520A12	SCREW,PAN TORX 1/4-20X.750 THREAD FORMIN	4.000 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.030 GA
BMH1910	KEY 3/16X3/16X1 1/8 AUTO X	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.080 FT
NP1220A05	NP,AC STD AD NONE V CE CSA UL GEAR MOTOR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1451	WARNING LABEL, CE WARNING SYMBOLS ONLY	1.000 EA
PK3090	2" X 7 1/8 X 6 1/2" CRADLE	1.000 EA
27PA1001	PKG GRP, PRINT PK1027A06	1.000 EA

AC Induction Motor Performance Data

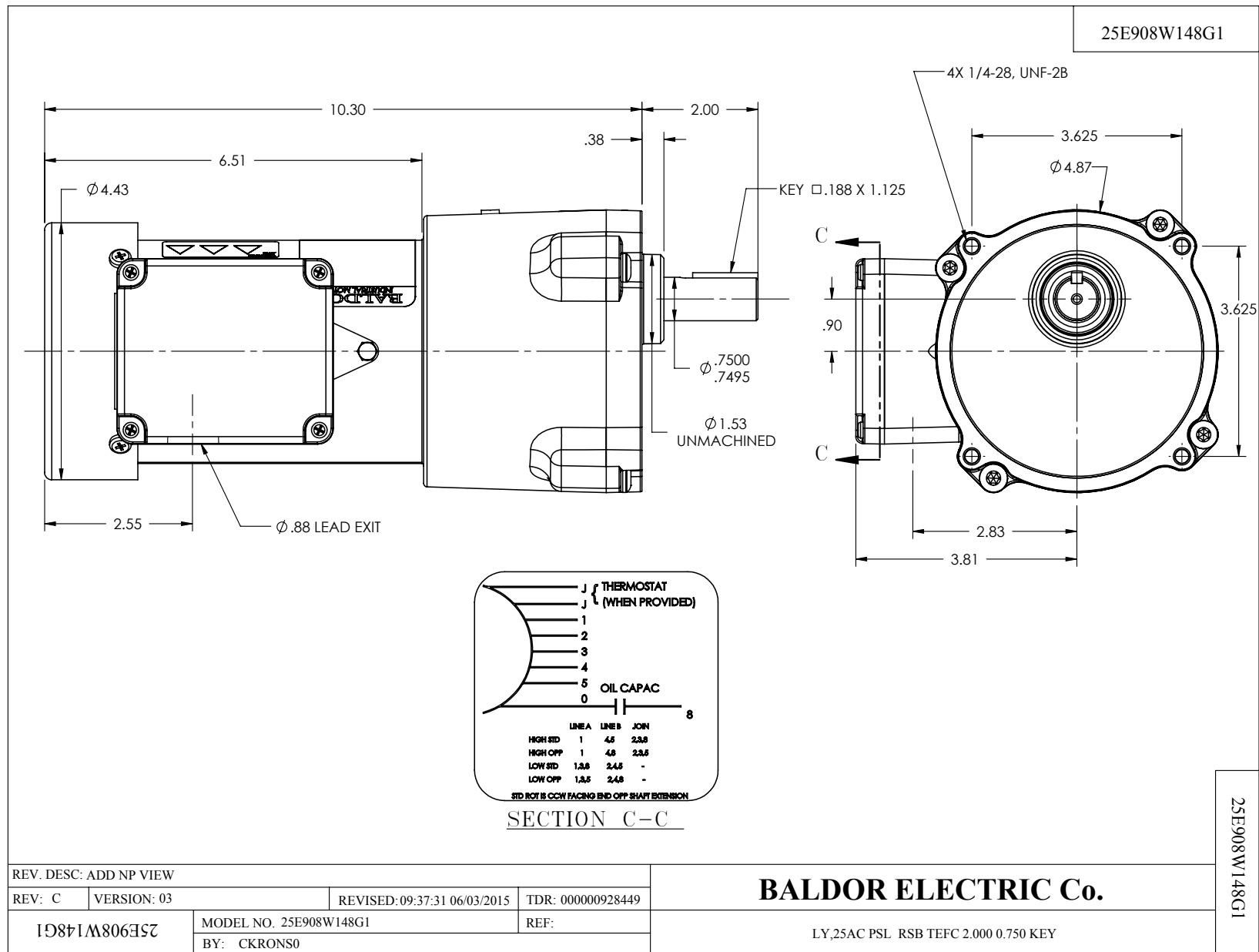
Record # 18274 - Typical performance - not guaranteed values

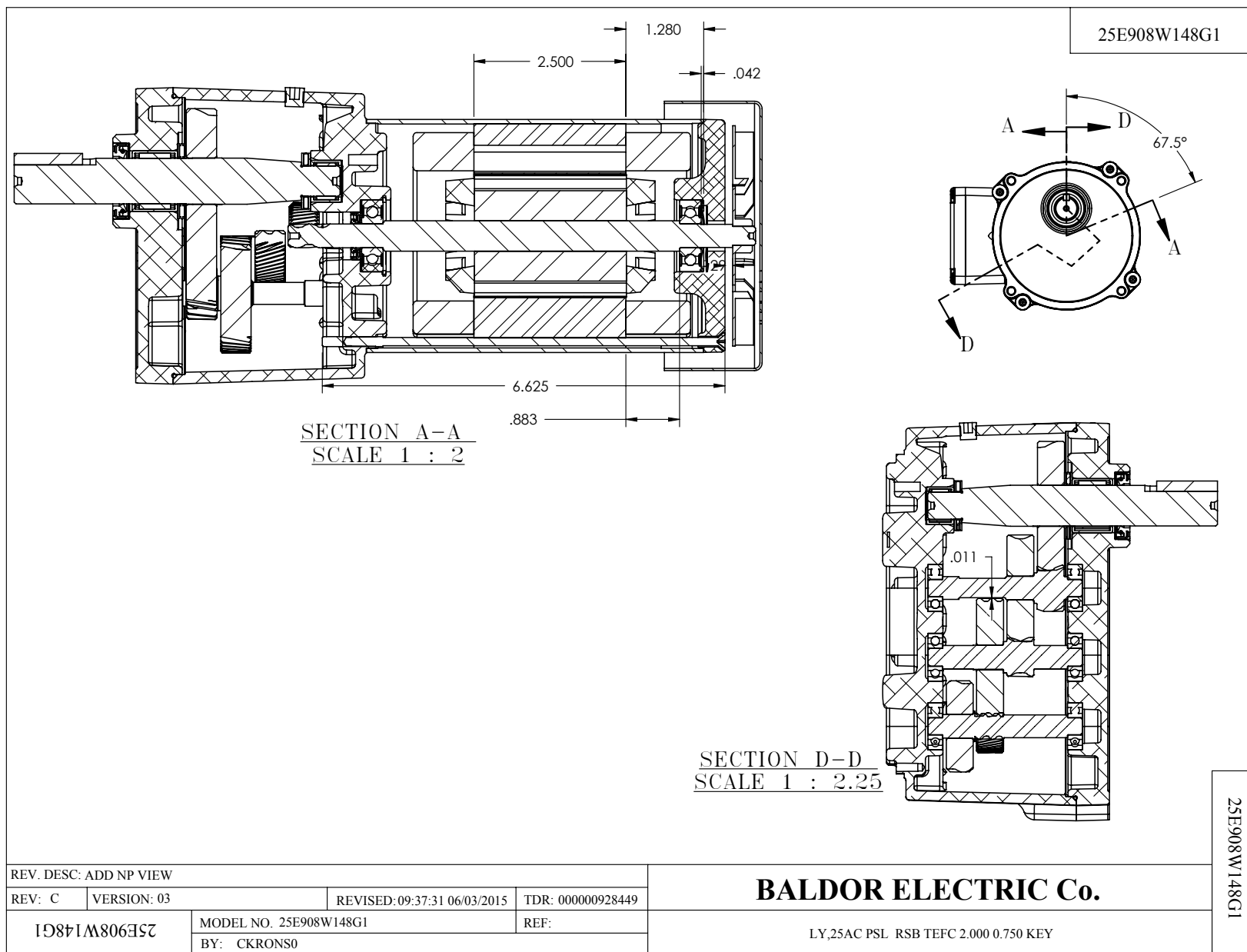
Winding: 25WGW148-R001	Type: 2520C	Enclosure: TENV
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.08			Full Load Torque	48 OZ-IN
Volts	115/230			Start Configuration	direct on line
Full Load Amps	1.24/.64			Breakdown Torque	118 OZ-IN
R.P.M.	1700			Pull-up Torque	54 OZ-IN
Hz	60	Phase	1	Locked-rotor Torque	50 OZ-IN
NEMA Design Code	-	KVA Code	G	Starting Current	1.86 A
Service Factor (S.F.)	1			No-load Current	0.46 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	41.831 Ω A Ph 69.975 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

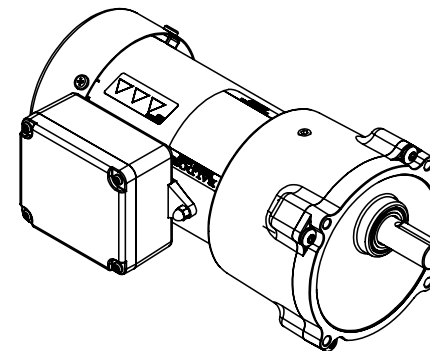
Load Characteristics 230 V, 60 Hz, 0.08 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	71	76	80	84	86	89
Efficiency	19.3	32.7	41.9	48.8	52.8	54.3
Speed	1764	1744	1723	1692	1656	1602
Line amperes	0.49	0.53	0.58	0.64	0.71	0.81





ITEM NO.	PART NUMBER	QTY.
1	HG0076A03	1
2	BMH1716	1
3	BG6200C	2
4	HW5002A45	1
5	HW4600D28	1
6	HW3064E05	1
7	HA4021A05	1
8	BH1163A02	1
9	25RC2020A00	1
	2.50 Stack	1
	25ER2000	2
10	24CB3000A	1
11	XY0632A04	1
12	XY0632A05	2
13	24CB3500B	1
14	15XP0619A08	4
15	HW5109A08	1
16	HA3170S06	2
17	BFN3712	1
18	25FH4003	1
19	15XN1032A08	4
20	CG0012A01	1
21	HW4600D39	1
22	BH1163A03	1
23	60XM2520A12	4
24	BMH1910	1
25	25SB0016C04	1
	2.500 stack	1
	25SB9210E06	1
	25SB9200E06	1
	25SB9200E00	1
	HA3417A02	2
	HA3417A01	1
26	25SH4004D12	1
27	25EP2101A18	1
28	LC0491	1
29	NP1220A 1KDC DOM	1
30	LB1451	1
31	RM1020A22	1
32	11XT1032G04	1
33	BGS01615	1
	BGE5274	1
	BG6608	2
	BSG5903	1
34	BGS00114	1
	BG6608	2
	BGE2024	1
	BSG2031	1
35	bgs00084	1
	BGE5768	1
	SH0106A38	1
	BH1166A02	1
	BH1166A01	1
	BH1108A02	2
	BH1108A04	2
36	SG0045A16	1
	BG6608	2
	BGE5725	1
	BSG2808	1
37	NP1220A	1



25E908W148G1

25E908W148G1

BALDOR ELECTRIC Co.

LY,25AC PSL RSB TEFC 2.000 0.750 KEY

CD0491A01

