

BALDOR® • RELIANCE

Product Information Packet

IDGM2301

G.M. T16DA 230V AC 310:1 IDGM2301

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2416M	Elec. Spec:	24WGW254	CD Diagram:	CD0006A16
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	24E616W254G2
Frame:	DB	Mounting:		Poles:	04	Created Date:	10-04-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	05-18-2016
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1598A15

CAT.NO.	IDGM2301	SER.NO		
SPEC.	24E616W254G2			
VOLTS	230			
MAG CUR	.34	SL HZ	4	
RPM	1680	RPM MAX	2677	
HP	.05HP	HZ	60	
FLA	.37	WK2	0.0032	
RATING	40C AMB-CONT		CLASS	F
RATIO	310		OUT/RPM	5.4
TORQ/IN LB	75			
VTSR	6:1			
APRV-CSA		APRV-UL		

Parts List		
Part Number	Description	Quantity
SA271732	SA 24E616W254G2	1.000 EA
RA258356	RA 24E616W254G2	1.000 EA
SR002260	SR 24E616W254G2	1.000 EA
WR000494	WR 24E616W254G2	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
24EP3108A01G	EP,24AC DE CL R8 RA	1.000 EA
HW5002A44	N5002-112 RET RING INTERNBEVELED F/6001	1.000 EA
HW4600G70	SEAL .500" X .875" X .200 SGL LIP FT802	1.000 EA
24CB3000A	CONDUIT BOX - MODEL 24	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
24EP3100A05G	EP,24AC ODE CL NONE	1.000 EA
HW5109A08	WASHER, WAVE SPRING FOR 30MM BORE SMALLE	1.000 EA
55XT0632G03	6-32 X 0.187 RD HD PHILLIPS, SERRATED	1.000 EA
HA3199A90	THRU-BOLT PAN HEAD 8-32 X 5.625	2.000 EA
HW3030A85	#8-32 UNC-3B ELASTIC STOPNUT TDR#21624	2.000 EA
HG0058A04G	HSG,DB EX OPEN OUTPUT 4 HOLE MOUNT #1	1.000 EA
RM1057	RUBBER SQUARE RING 1.424 I.D.	1.000 EA
HA1194B02	BLADDER,BDE EXPANSION	1.000 EA
15XM0632A06	SCREW, 6-32X .375, THREAD FORMING	3.000 EA
BH1104	PAPZ0808-P14 SLEEVE BRG	2.000 EA
HW4600C29	SEAL, TCM #0507416 SCW .50X.75X.165 RB	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
19XN1032A12	SCREW, HEX WASHER HEAD, #10-32 X .750	4.000 EA
MJ5019A01	ADHESIVE LOCTITE #680 WAS BAD4525	0.001 EA
BCG1123-005G	BS,D OP BUSHING	1.000 EA
BH1104	PAPZ0808-P14 SLEEVE BRG	1.000 EA
RM1020A51	O-RING -030 BUNA N70 COMPOUND	1.000 EA
HA4032A01	STEEL CAP,.750"OD(HERSHEYWAS BSE1567	1.000 EA
15XM0632A06	SCREW, 6-32X .375, THREAD FORMING	3.000 EA
BCG1123-005G	BS,D OP BUSHING	1.000 EA
HW1034A02	WASHER,BUNA N 3/4"X9/16"X1/32"STD WASHER	1.000 EA
BH1104	PAPZ0808-P14 SLEEVE BRG	1.000 EA
HW4600C29	SEAL, TCM #0507416 SCW .50X.75X.165 RB	1.000 EA
RM1020A51	O-RING -030 BUNA N70 COMPOUND	1.000 EA
15XM0632S06	SCREW, PAN HD PHLPS DRV 6-32 X .375 THRD	3.000 EA
BBA1012G	BBA1012-PAINTED	1.000 EA
15XN1032A08	SCREW PAN HD 10-32 X 1/2 (PHILLIPS)	4.000 EA
HW1004A10	WASHER,LOCK,#10 INT. TOOTH	4.000 EA
MJ1000C13	SYN-TECH GREASE NS-3614-G	0.030 LB
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
CPA1000	PACKING GROUP STD. SINGLE	1.000 EA

AC Induction Motor Performance Data

Record # 45267 - Typical performance - not guaranteed values

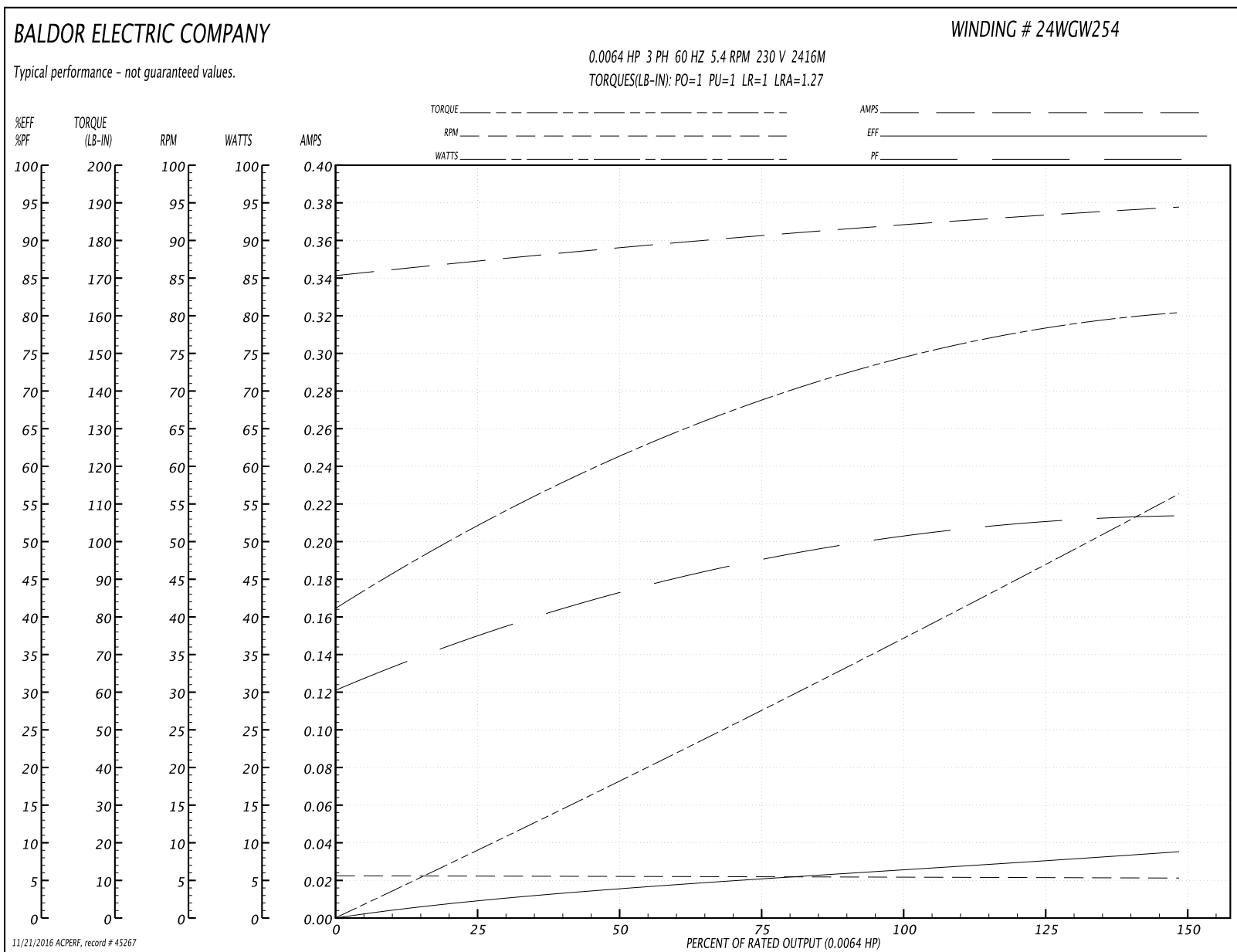
Winding: 24WGW254-R002 Gear Type: RIGHTANGLE	Type: 2416M Gear Style: DB	Enclosure: TENV Gear Ratio: 310:1
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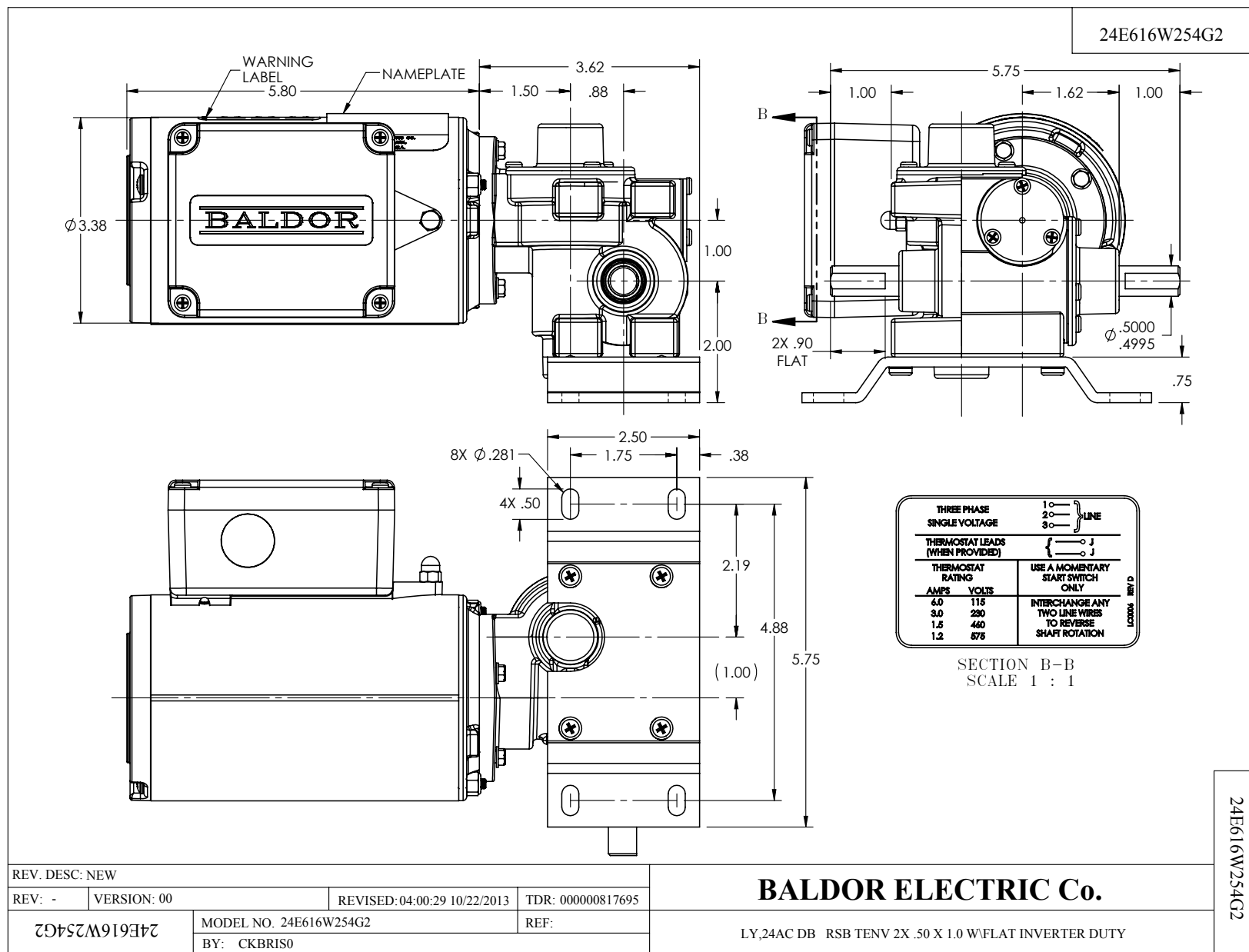
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.05			Full Load Torque	75 LB-IN
Volts	230			Start Configuration	direct on line
Full Load Amps	.37			Breakdown Torque	1 LB-IN
R.P.M.	5.4			Pull-up Torque	1 LB-IN
Hz	60	Phase	3	Locked-rotor Torque	1 LB-IN
NEMA Design Code	-	KVA Code	P	Starting Current	1.27 A
Service Factor (S.F.)	1			No-load Current	0.34 A
NEMA Nom. Eff.	49	Power Factor	48	Line-line Res. @ 25°C	46.811 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

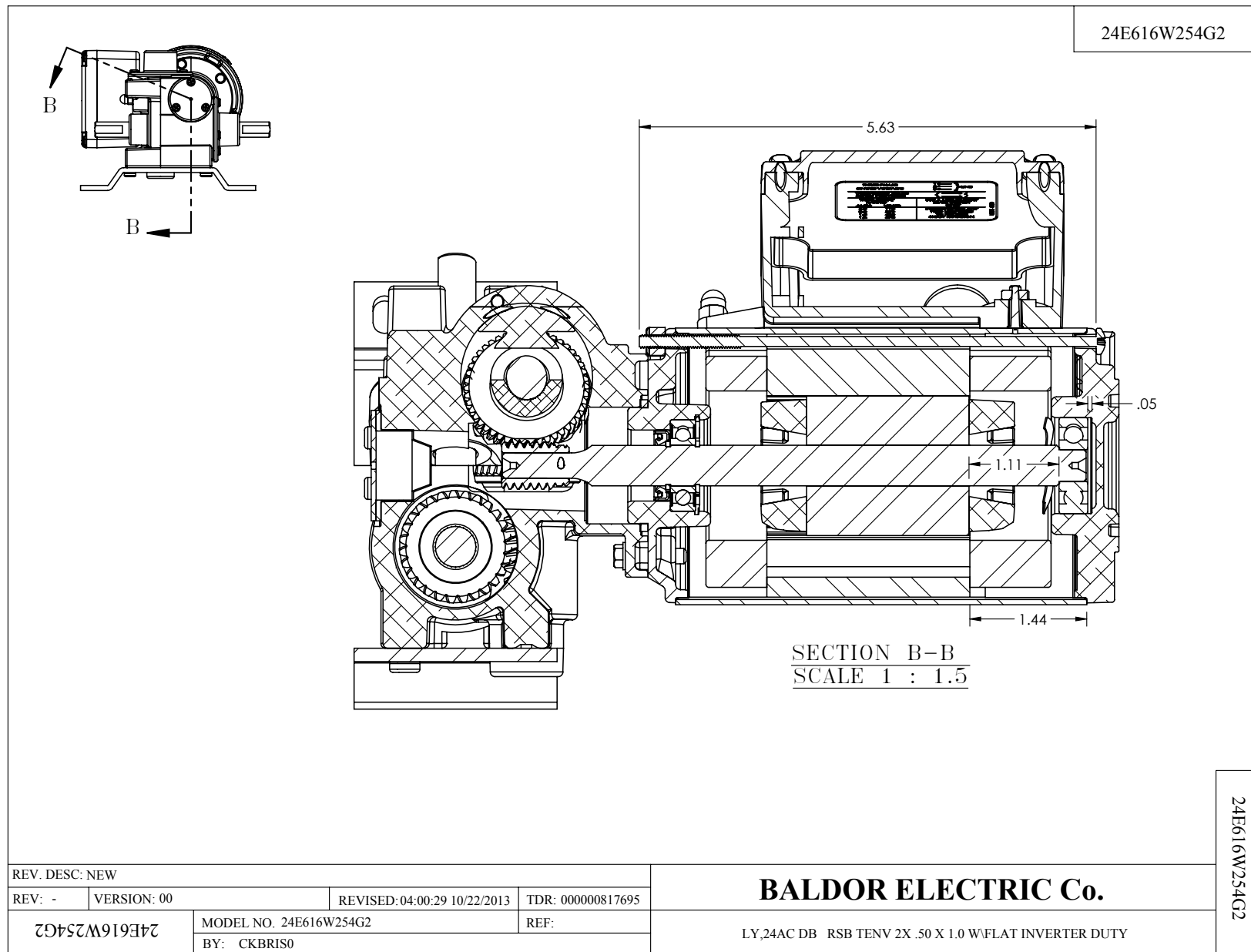
Load Characteristics 230 V, 60 Hz, 0.0064 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	40	44	48	49	52	54
Efficiency	2.2	3.9	5.3	6.6	7.7	8.6
Speed	5.6	5.5	5.5	5.4	5.4	5.3
Line amperes	0.35	0.36	0.36	0.37	0.37	0.38

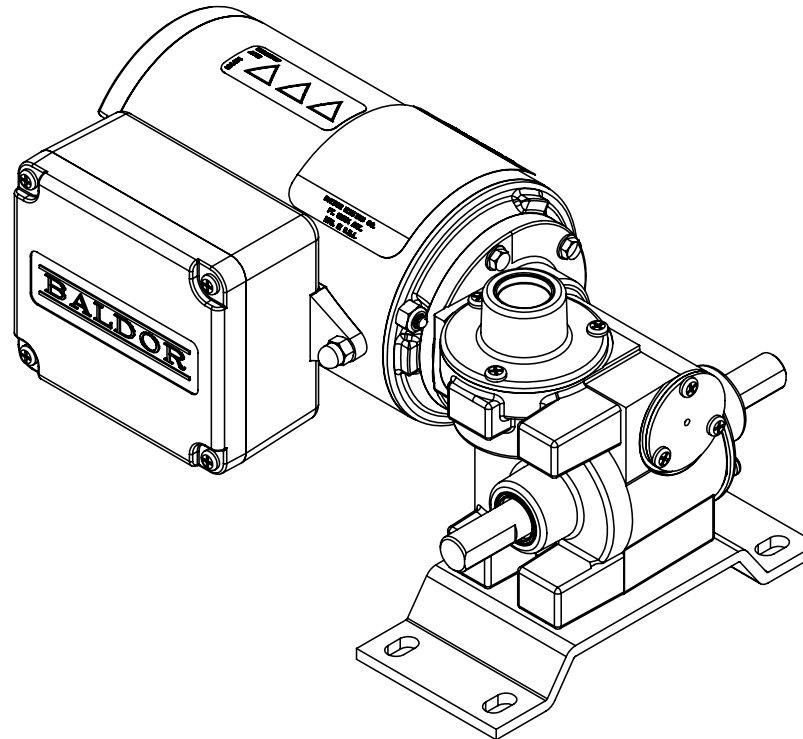
Performance Graph at 230V, 60Hz, 0.0064HP Typical performance - Not guaranteed values







ITEM NO.	PART NUMBER	QTY.
1	24EP3108A01	1
2	BG6R8	1
3	HW5002A44	1
4	HW4600D35	1
5	HW5060A27	3
6	24RC4016A00	1
7	HW5109A08	1
8	SKF - 6200 - 8,DE,NC,8_68	1
9	XY0832A05A01	2
10	HG0058A04	1
11	RM1057	1
12	HA1194B02	1
13	BH1104	4
14	HW4600C29	2
15	19XN1032A12	4
16	BCG1123-005	2
17	RM1020A51	2
18	HW1034A02	2
19	HA4032A01	1
20	BSG2743	1
21	BBA1012	1
22	15XN1032A08	4
23	HW1004A10	4
24	HW3082B05	1
25	24SH4001B01	1
26	LB1451, 24AC RSB	1
27	55XT0632G03	1
28	15XM0632A06	9
29	25BLDC DOM	1
30	WM0053A03	1
31	24SB0041B02	1
32	24CB3000A	1
33	XY0632A05	2
34	24CB3500A	1
35	15XP0619A08	4
36	24EP3100A05	1
37	HA3199A90	2
38	WM0078A07	1
39	BGE4338	1
40	BGE4302	1
41	LC0006	1
42	XY0632A04	1



24E616W254G2

24E616W254G2

REV. DESC: NEW

REV: -

VERSION: 00

REVISED: 04:00:29 10/22/2013

TDR: 000000817695

BALDOR ELECTRIC Co.

24E616W254G2

MODEL NO. 24E616W254G2

REF:

BY: CKBRIS0

LY,24AC DB RSB TENV 2X .50 X 1.0 W/FLAT INVERTER DUTY

