

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

# **EM3157T-G**

**2HP,1750RPM,3PH,60HZ,145T,3526M,OPSB,F1**

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGM496	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35Z069	Layout:	35LYZ069
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	10-20-2010
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	12-20-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L										
CAT.NO.	EM3157T-G									
SPEC.	35Z069M496G2									
HP	2									
VOLTS	230/460									
AMP	5.8/2.9									
RPM	1750									
FRAME	145T				HZ	60			PH	3
SER.F.	1.15		CODE	K	DES	B		CL	H	
NEMA-NOM-EFF	86.5		PF	76						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			5.8		
DE	6205				ODE	6203				
ENCL	OPSB		SN							

Parts List		
Part Number	Description	Quantity
SA204964	SA 35Z069M496G2	1.000 EA
RA192212	RA 35Z069M496G2	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A31	PU ENDPLATE, MACH	1.000 EA
51XN1032A18	10-32 X 1 1/8 HX WS SL SR (ESKAY)	2.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1459	AEGIS SGR LABEL "AEGISLBL-100"	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A38	THRUBOLT 10-32 X 9.375	4.000 EA
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1350	BAR CODE LABEL FOR YORK	1.000 EA

**AC Induction Motor Performance Data**

Record # 35595 - Typical performance - not guaranteed values

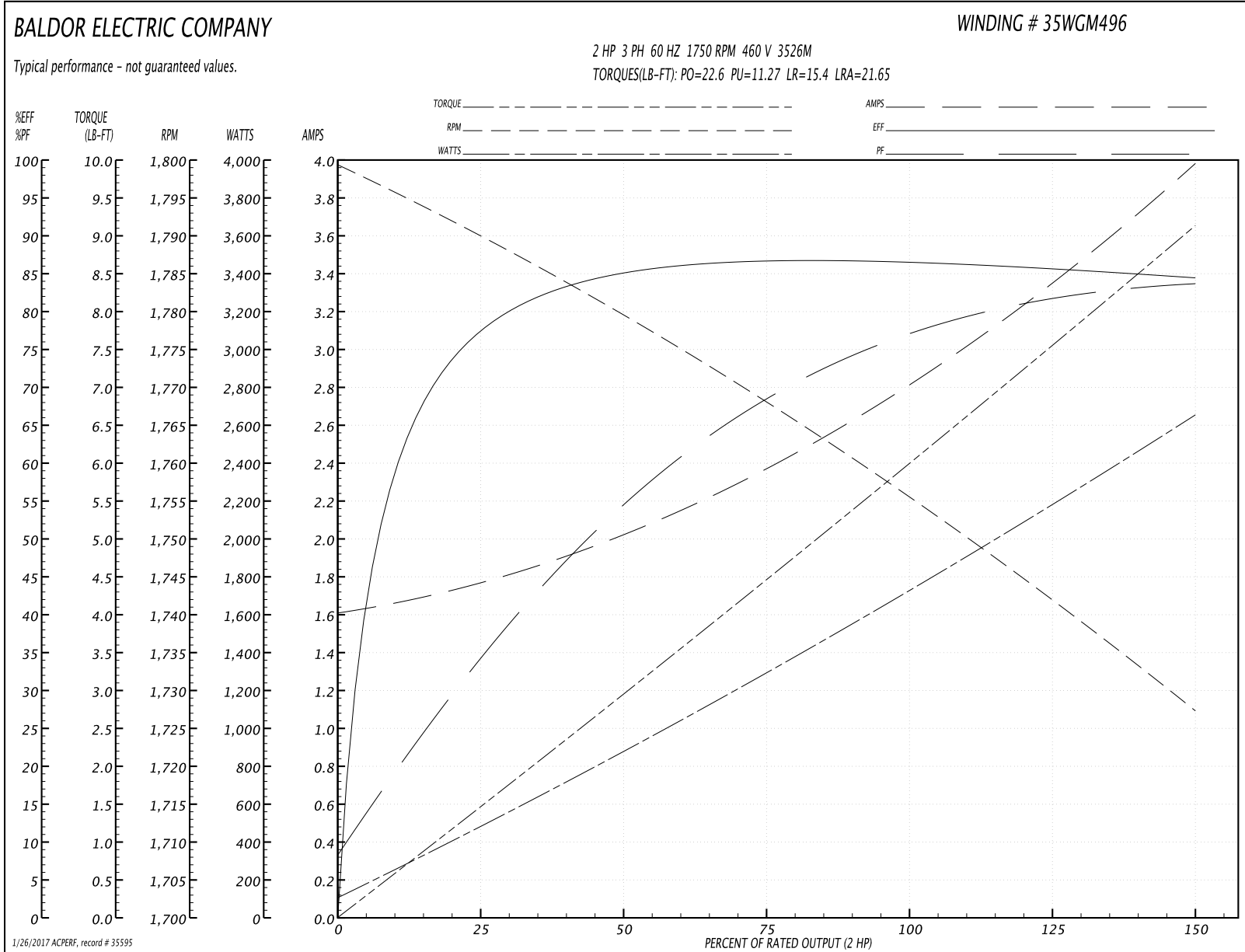
<b>Winding:</b> 35WGM496-R002	<b>Type:</b> 3526M	<b>Enclosure:</b> OPSB
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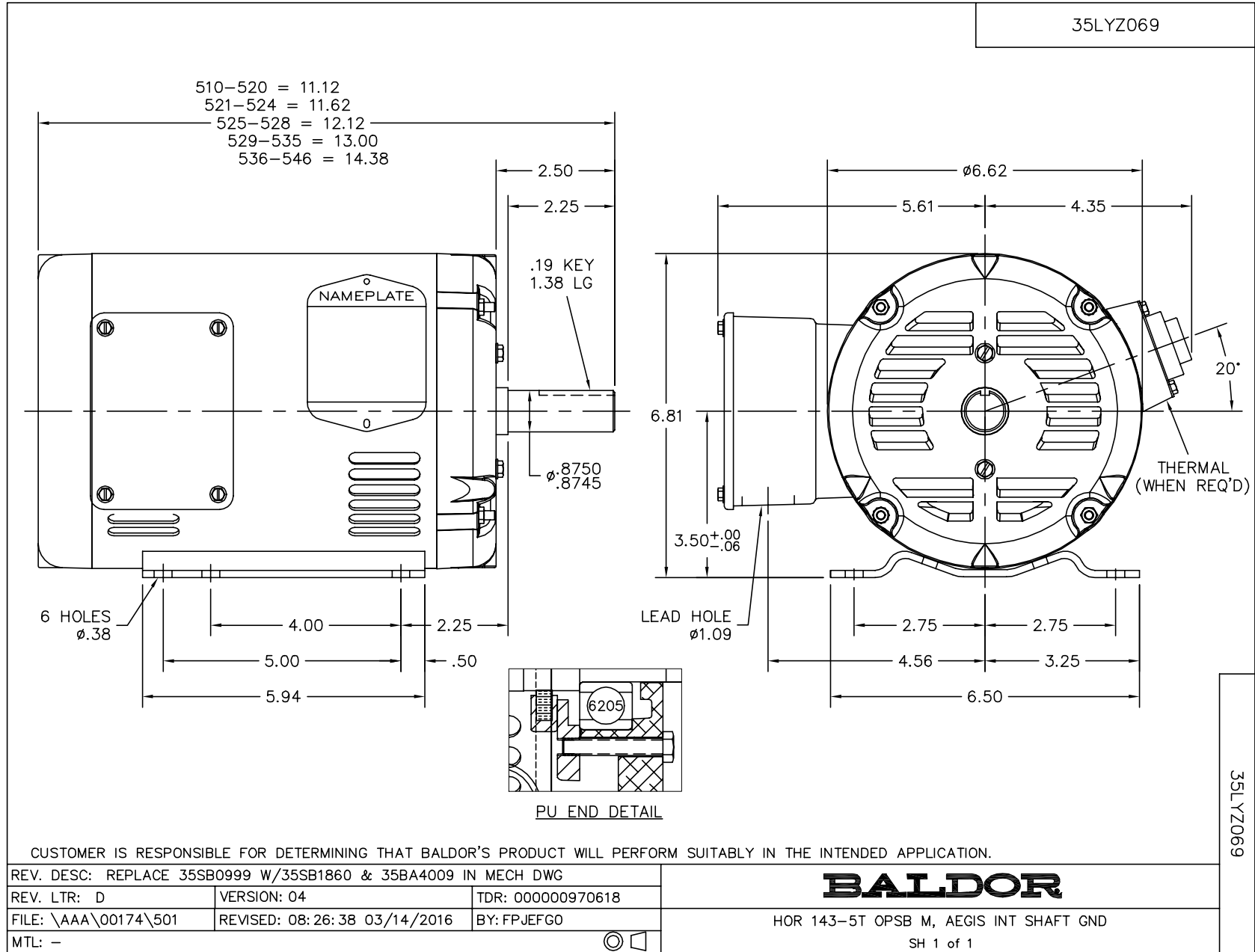
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.02 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	22.6 LB-FT
R.P.M.	1750			Pull-up Torque	11.27 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15.4 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	21.65 A
Service Factor (S.F.)	1.15			No-load Current	1.63 A
NEMA Nom. Eff.	86.5	Power Factor	76	Line-line Res. @ 25°C	8.22 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	38°C
S.F. Amps				Temp. Rise @ S.F. Load	46°C
				Locked-rotor Power Factor	52.4
				Rotor inertia	0.154 LB-FT <sup>2</sup>

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	56	69	76	81	84	78
Efficiency	77	84.7	86.8	86.6	85.8	84.3	86.2
Speed	1789	1779	1768	1756	1742	1727	1749
Line amperes	1.75	2.01	2.37	2.85	3.37	3.96	3.19

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0005



LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
90000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005