

BALDOR® • RELIANCE

Product Information Packet

EJMM3157T

2HP,1750RPM,3PH,60HZ,145JM,3525M,OPSB,F1

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3525M	Elec. Spec:	35WGM496	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35LL509	Layout:	35LYLL509
Frame:	145JM	Mounting:	F1	Poles:	04	Created Date:	11-18-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-06-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L									
CAT.NO.	EJMM3157T								
SPEC.	35LL509M496G1								
HP	2								
VOLTS	230/460								
AMP	5.8/2.9								
RPM	1750								
FRAME	145JM	HZ			60	PH	3		
SER.F.	1.15	CODE			K	DES	B	CL	F
NEMA-NOM-EFF	86.5	PF			76				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			5.8				
DE	6206	ODE			6203				
ENCL	OPSB	SN							

Parts List		
Part Number	Description	Quantity
SA211582	SA 35LL509M496G1	1.000 EA
RA198811	RA 35LL509M496G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB CASTING 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
35EP3201A01	STD FR ENDPLATE-OPEN-203 BRG W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA1100A03	SCREEN, RODENT	1.000 EA
51XT1032A04	10-32X1/4 HX WA SL SR TYT (F/S)	4.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3401A03	PU ENDPLATE -OPEN W/SCREENS & GREASER W/	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA1102A08	RODENT SCREEN 35 OPEN FACE MTD	1.000 EA
51XT1032A04	10-32X1/4 HX WA SL SR TYT (F/S)	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 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
HA1005A02SP	SLINGER, OD 2.00, ID 1.14, 206 BRG,	1.000 EA
HW2501D13SP	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
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	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
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 33882 - Typical performance - not guaranteed values

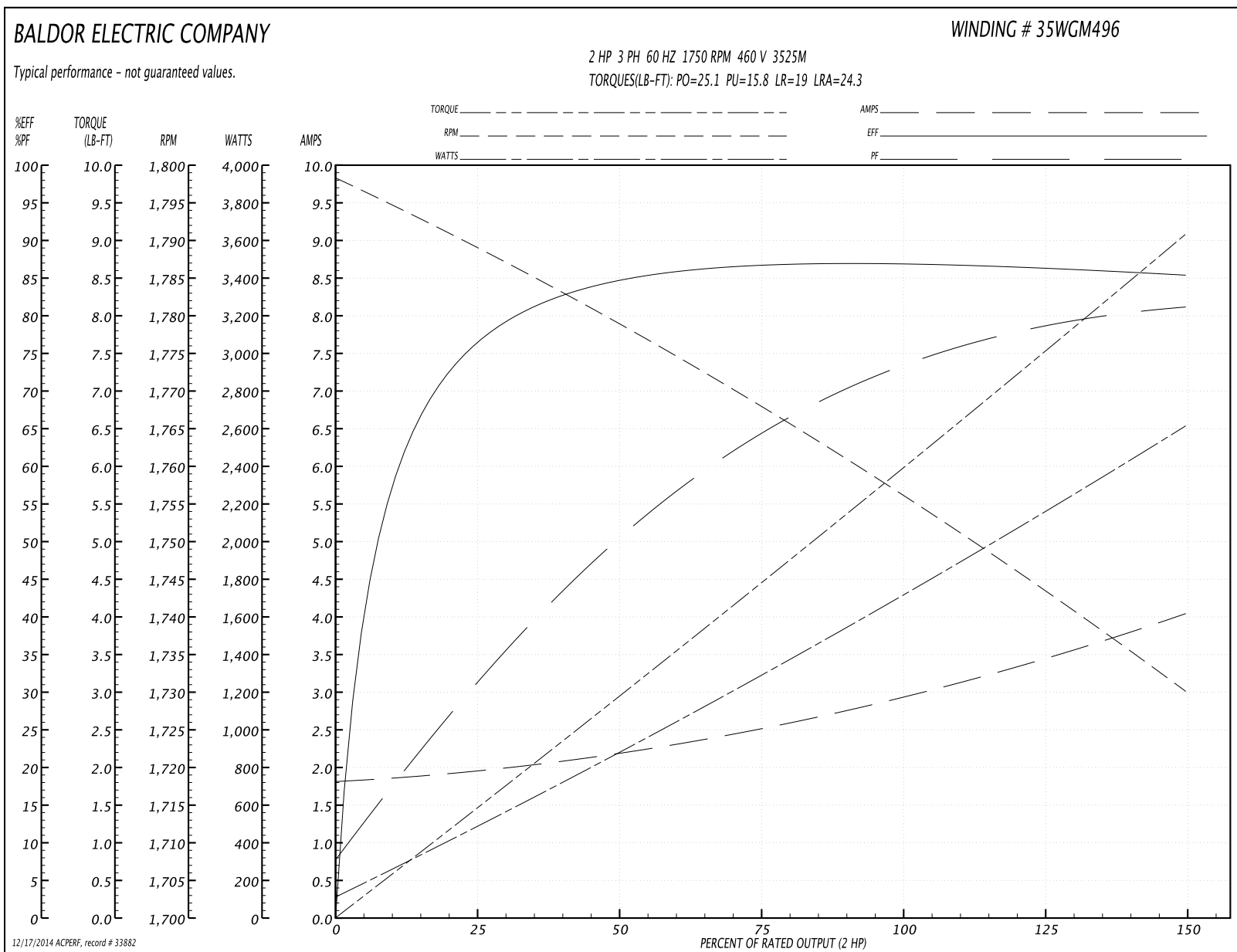
Winding: 35WGM496-R001	Type: 3525M	Enclosure: OPSB
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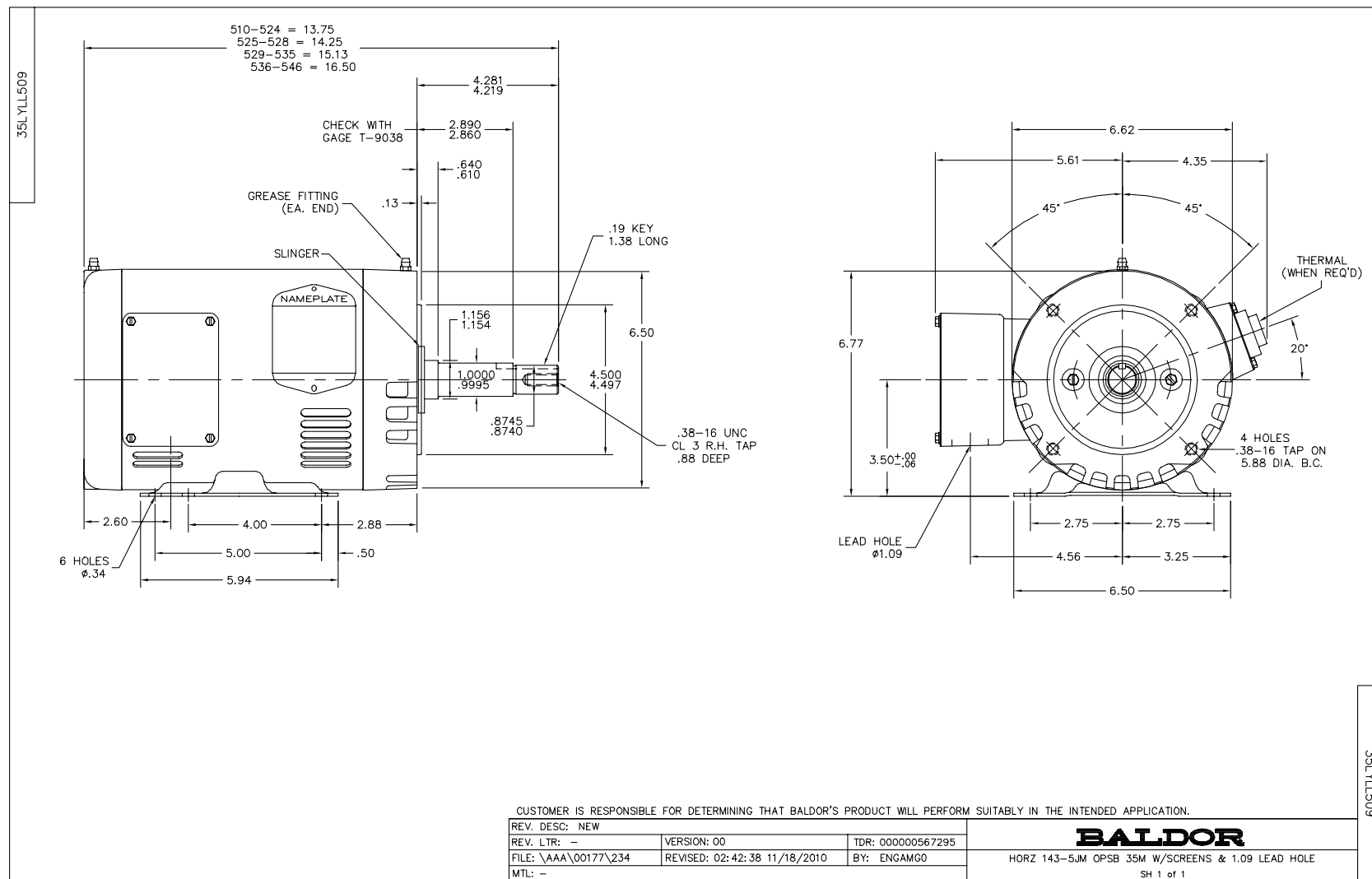
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.96 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	25.1 LB-FT
R.P.M.	1750			Pull-up Torque	15.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	24.3 A
Service Factor (S.F.)	1.15			No-load Current	1.83 A
NEMA Nom. Eff.	86.5	Power Factor	76	Line-line Res. @ 25°C	7.5814 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps				Temp. Rise @ S.F. Load	47°C
				Rotor inertia	0.148 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

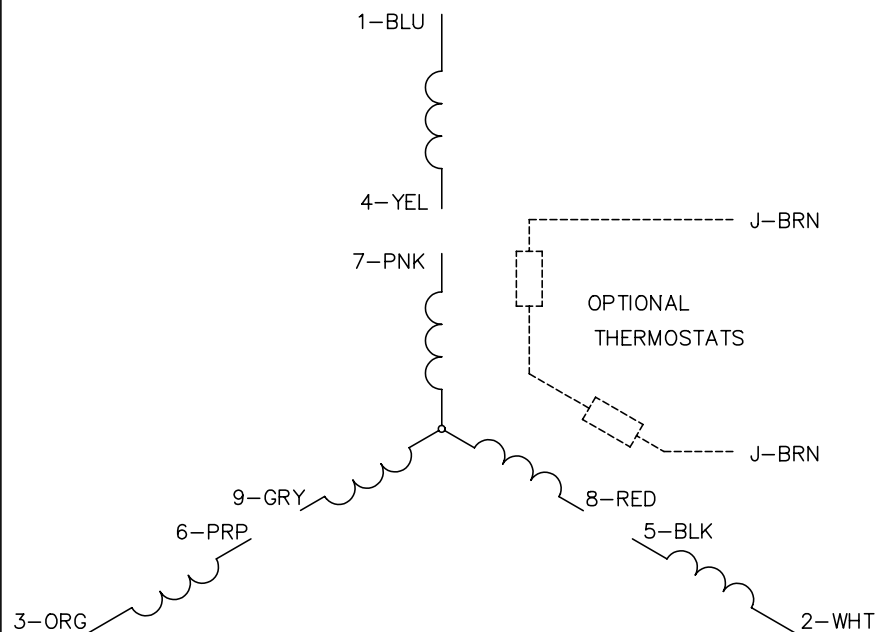
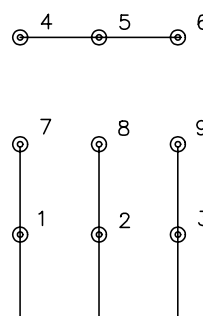
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	64	73	78	82	76
Efficiency	76	84.4	86.6	86.9	86.4	85.2	86.6
Speed	1788.5	1778.5	1767.8	1756.9	1744.4	1729.4	1749
Line amperes	1.94	2.16	2.52	2.95	3.45	4.03	3.25

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

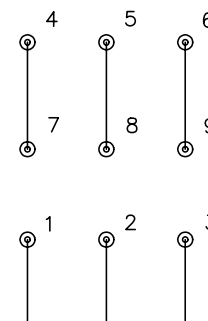




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005