

BALDOR® • **RELIANCE**

Product Information Packet

EHF3157T

2HP,1750RPM,3PH,60HZ,145T,3526M,OPSB,F2

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGM496	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35VV803	Layout:	35LYVV803
Frame:	145T	Mounting:	F2	Poles:	04	Created Date:	09-26-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-20-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094E06B03										
CAT.NO.	EHFM3157T									
SPEC.	35VV803M496G1									
HP	2									
VOLTS	230/460									
AMPS	5.8/2.9									
RPM	1750									
FRAME	145T			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	6205			ODE	6203					
AUTO	N		MANUAL	N			NONE	Y		
ENCL	OPSB		SN							
BLANK										

Parts List		
Part Number	Description	Quantity
SA269796	SA 35VV803M496G1	1.000 EA
RA256441	RA 35VV803M496G1	1.000 EA
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4004A17	SHEET METAL KOBX 35 (STAMPED) 35CB4004 L	1.000 EA
51XT1032A04	10-32X1/4 HX WA SL SR TYT (F/S)	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3201A48	PRL FR ENDPLATE-OPEN, GREASER	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A33	PU ENDPLATE, MACH	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	2.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4509	BOX LID MODEL 35 FOR 35CB4004-GALV & PHO	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
HA3100A38	THRUBOLT 10-32 X 9.375	4.000 EA
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 33882 - Typical performance - not guaranteed values

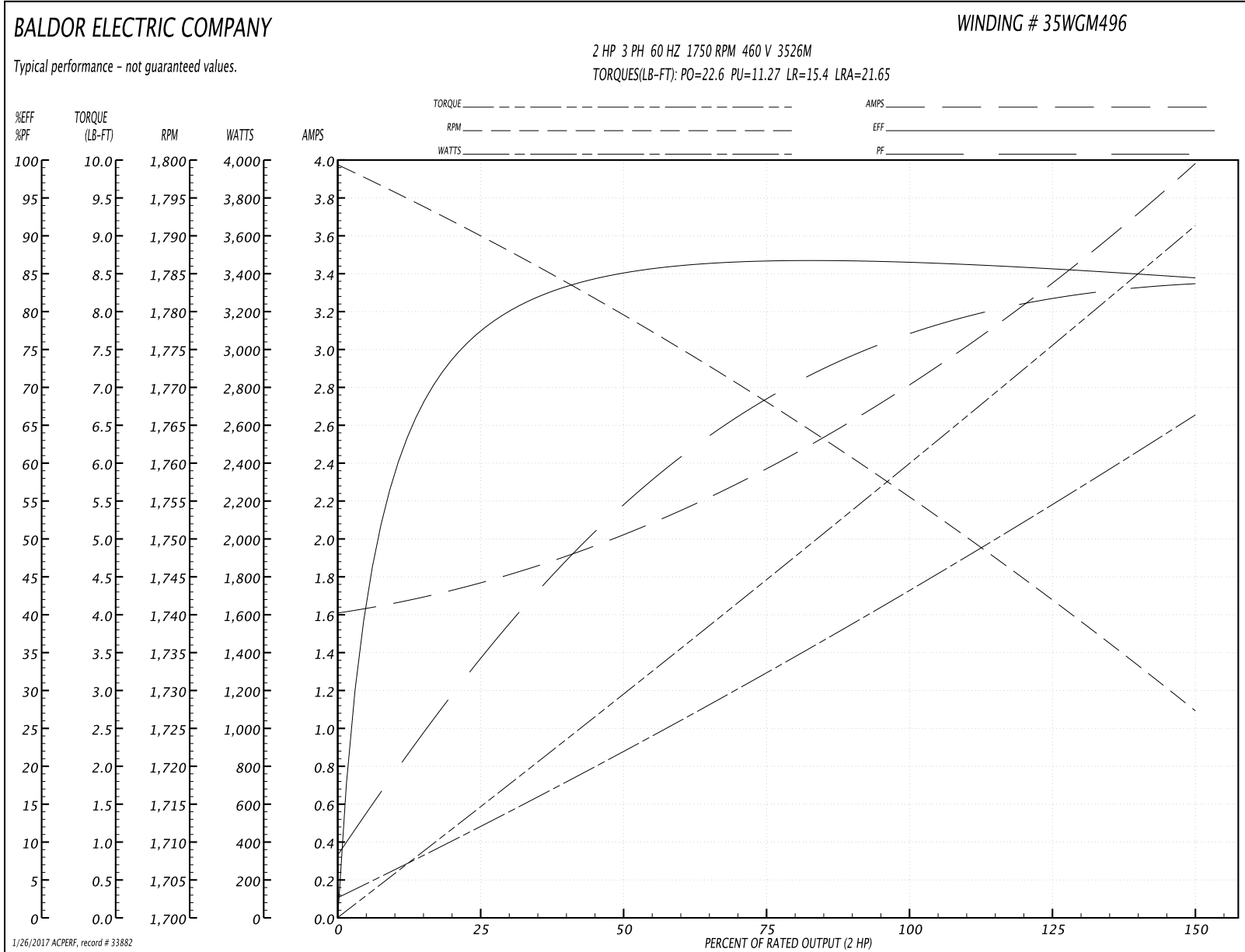
Winding: 35WGM496-R001	Type: 3526M	Enclosure: OPSB
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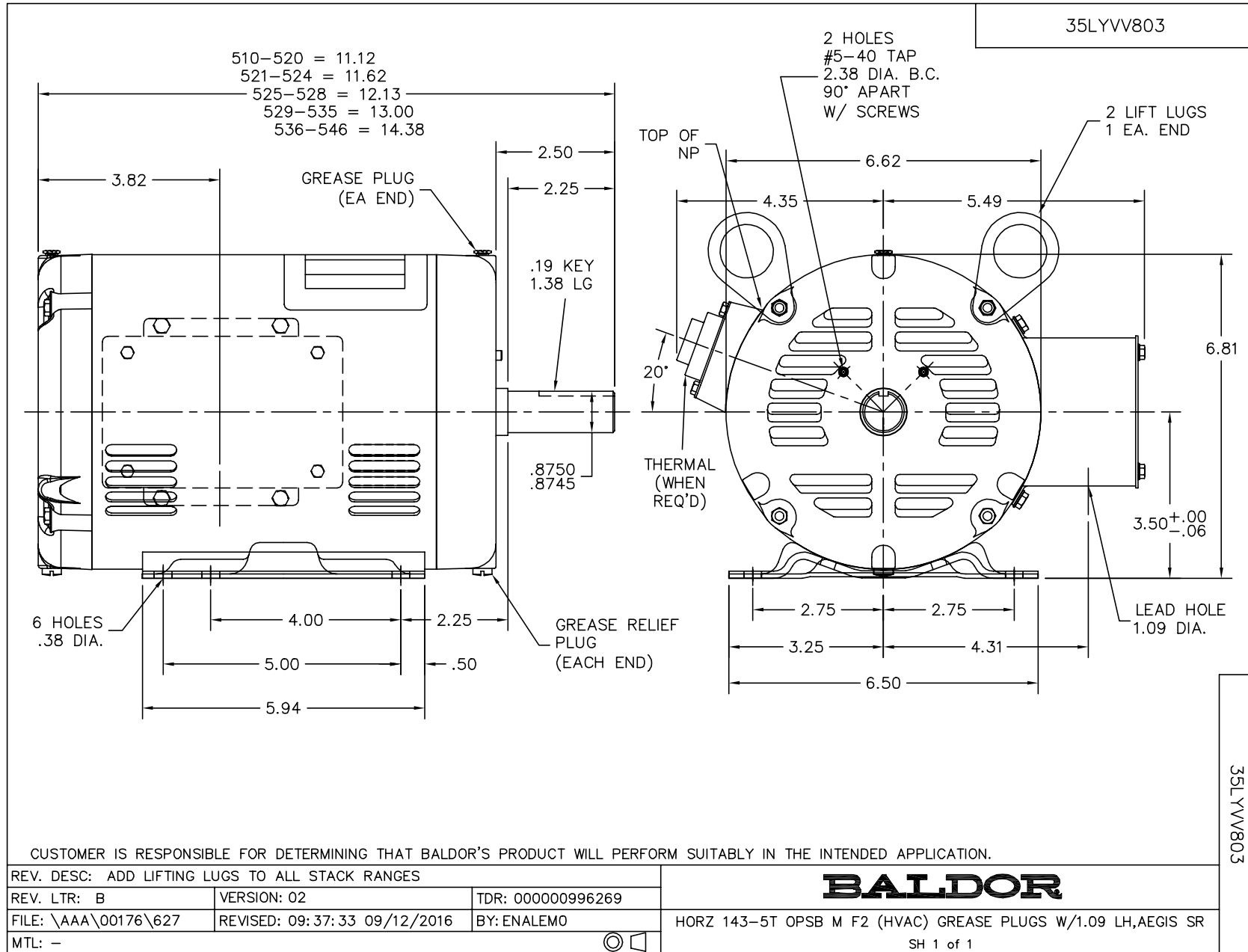
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6.02 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	22.6 LB-FT
R.P.M.	1750			Pull-up Torque	11.27 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15.4 LB-FT
NEMA 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 ²

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	76
Efficiency	77	84.7	86.8	86.6	85.8	84.3	86.6
Speed	1789	1779	1768	1756	1742	1727	1749
Line amperes	1.75	2.01	2.37	2.85	3.37	3.96	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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005