

BALDOR® • RELIANCE

Product Information Packet

EHM3157T

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

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3525M	Elec. Spec:	35WGM496	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35VV807	Layout:	35LYVV807
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	11-22-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-05-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094C06B03									
CAT.NO.	EHM3157T								
SPEC.	35VV807M496G1								
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
SA212052	SA 35VV807M496G1	1.000 EA
RA199282	RA 35VV807M496G1	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
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	003SS 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
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A38	THRUBOLT 10-32 X 9.375	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094C06B03	NP LABEL W/BARCODE (FOR HVAC MOTOR)	1.000 EA
35PA1067	PACK GROUP COMBINED PRINT WITH OSB BASE	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

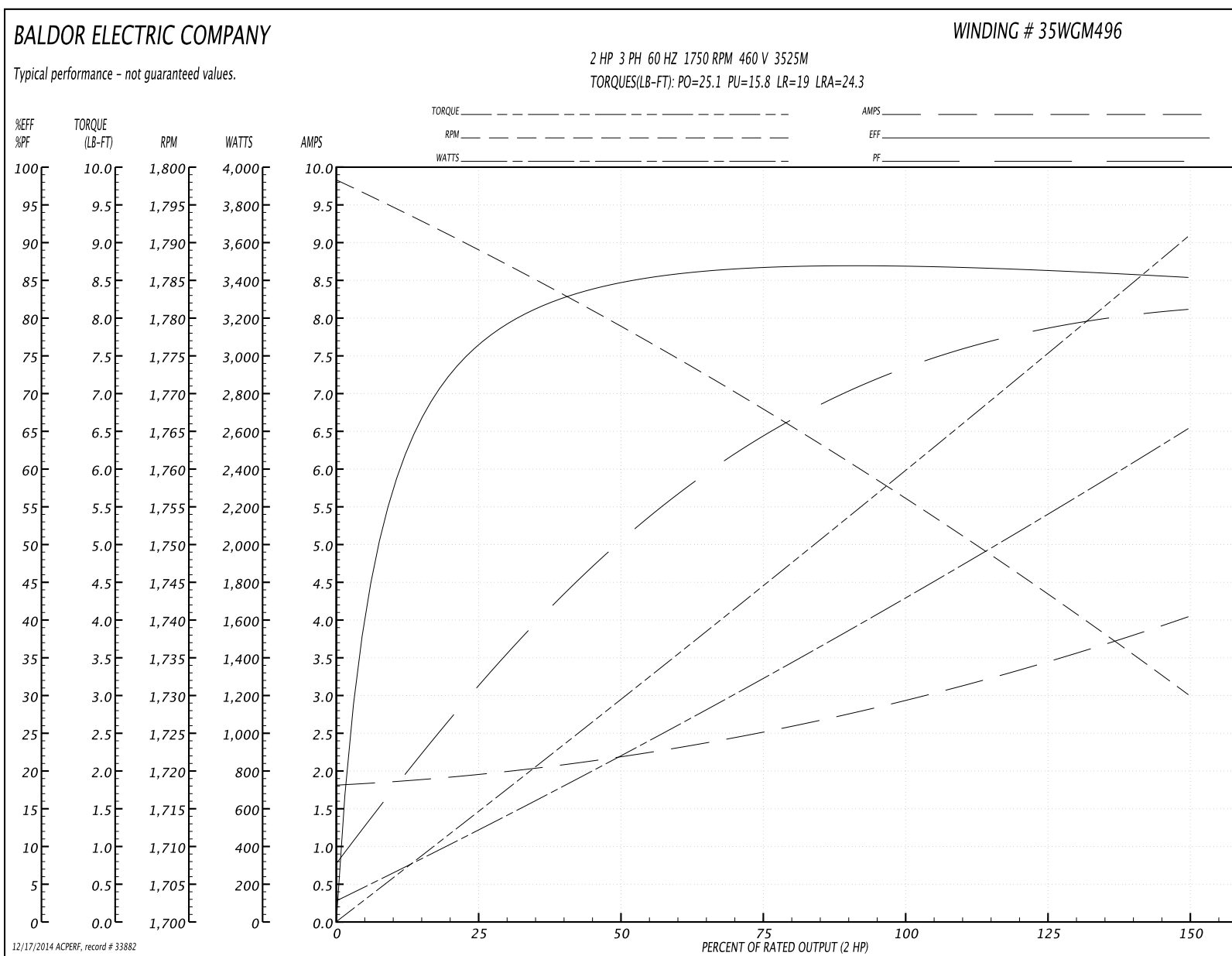
Winding: 35WGM496-R001	Type: 3525M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

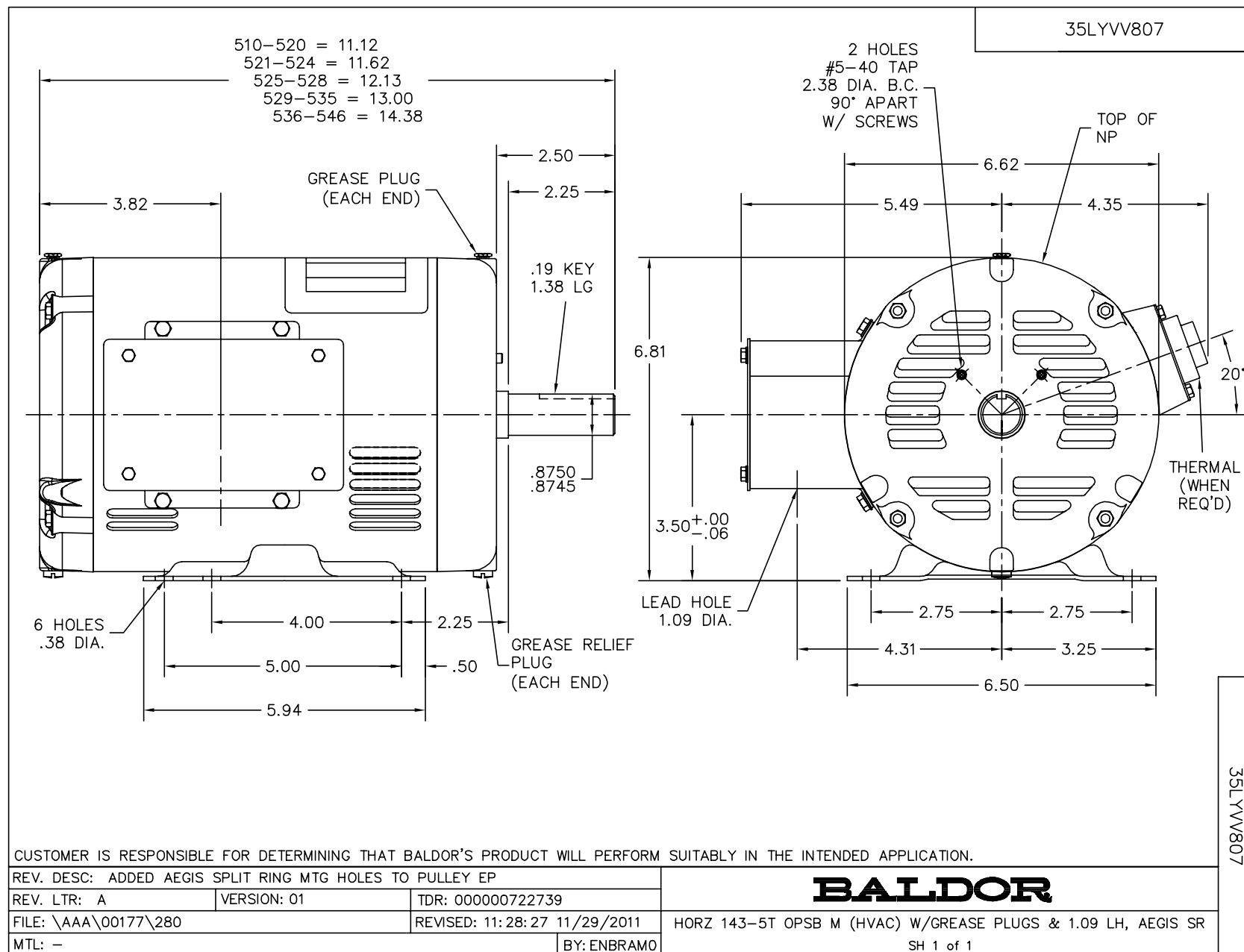
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.96 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.8/2.9			Breakdown Torque	25.1 LB-FT
R.P.M.	1750			Pull-up Torque	15.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19 LB-FT
NEMA Design 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

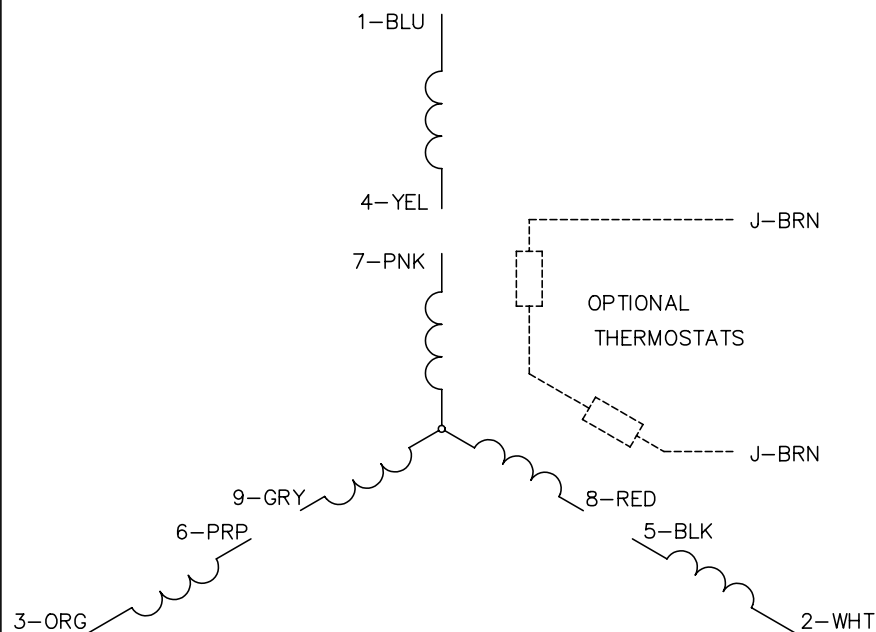
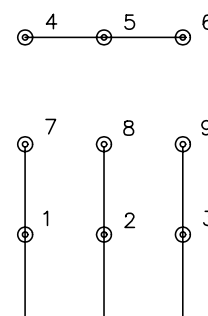
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	64	73	78	82	76
Efficiency	76	84.4	86.6	86.9	86.4	85.2	86.6
Speed	1788.5	1778.5	1767.8	1756.9	1744.4	1729.4	1749
Line amperes	1.94	2.16	2.52	2.95	3.45	4.03	3.25

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

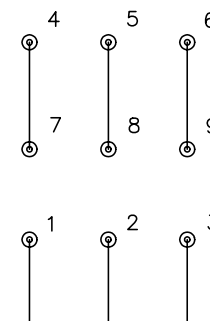




CD0005

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