

BALDOR® • **RELIANCE**

Product Information Packet

EHM3157T-8

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

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGM921	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35VV807	Layout:	35LYVV807
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	12-06-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-08-2016
Leads:	3#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094C06B03												
CAT.NO.	EHM3157T-8											
SPEC.	35VV807M921G1											
HP	2											
VOLTS	200											
AMPS	6.5											
RPM	1750											
FRAME	145T				HZ	60			PH	3		
SER.F.	1.15		CODE	K		DES	B		CL	F		
NEMA-NOM-EFF	86.5			PF	77							
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V						6.5	
DE	6205				ODE	6203						
AUTO	N			MANUAL	N			NONE	Y			
ENCL	OPSB			SN								
BLANK												

Parts List		
Part Number	Description	Quantity
SA235340	SA 35VV807M921G1	1.000 EA
RA222302	RA 35VV807M921G1	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	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
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
HA6362ZP	LIFTING LUG FOR 36 FRAME MOTORS.	2.000 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
HA3100A17	THRUBOLT 10-32 X 9.000	4.000 EA
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP2094C06B03	NP LABEL W/BARCODE (FOR HVAC MOTOR)	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 # 32618 - Typical performance - not guaranteed values

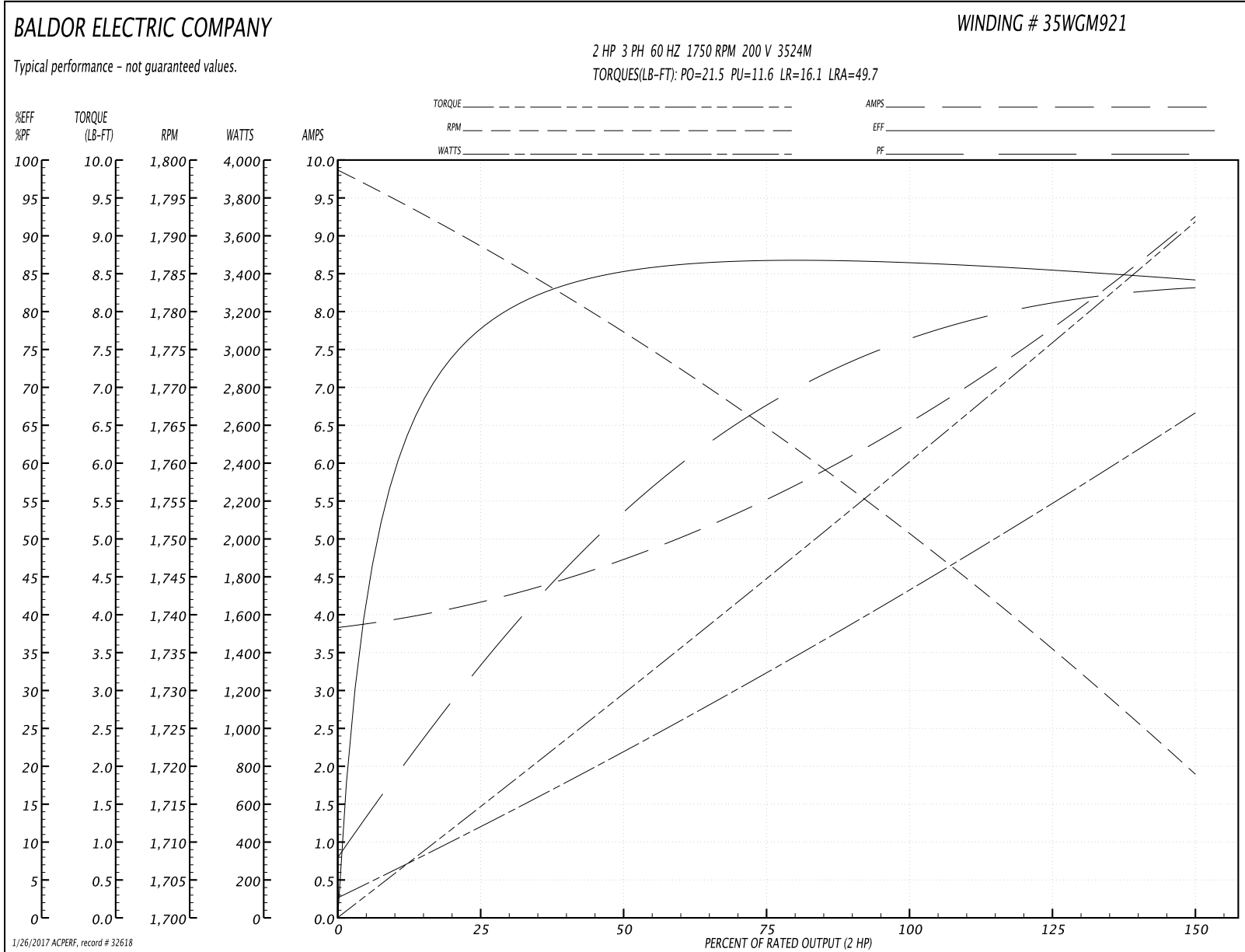
Winding: 35WGM921-R001	Type: 3524M	Enclosure: OPSB
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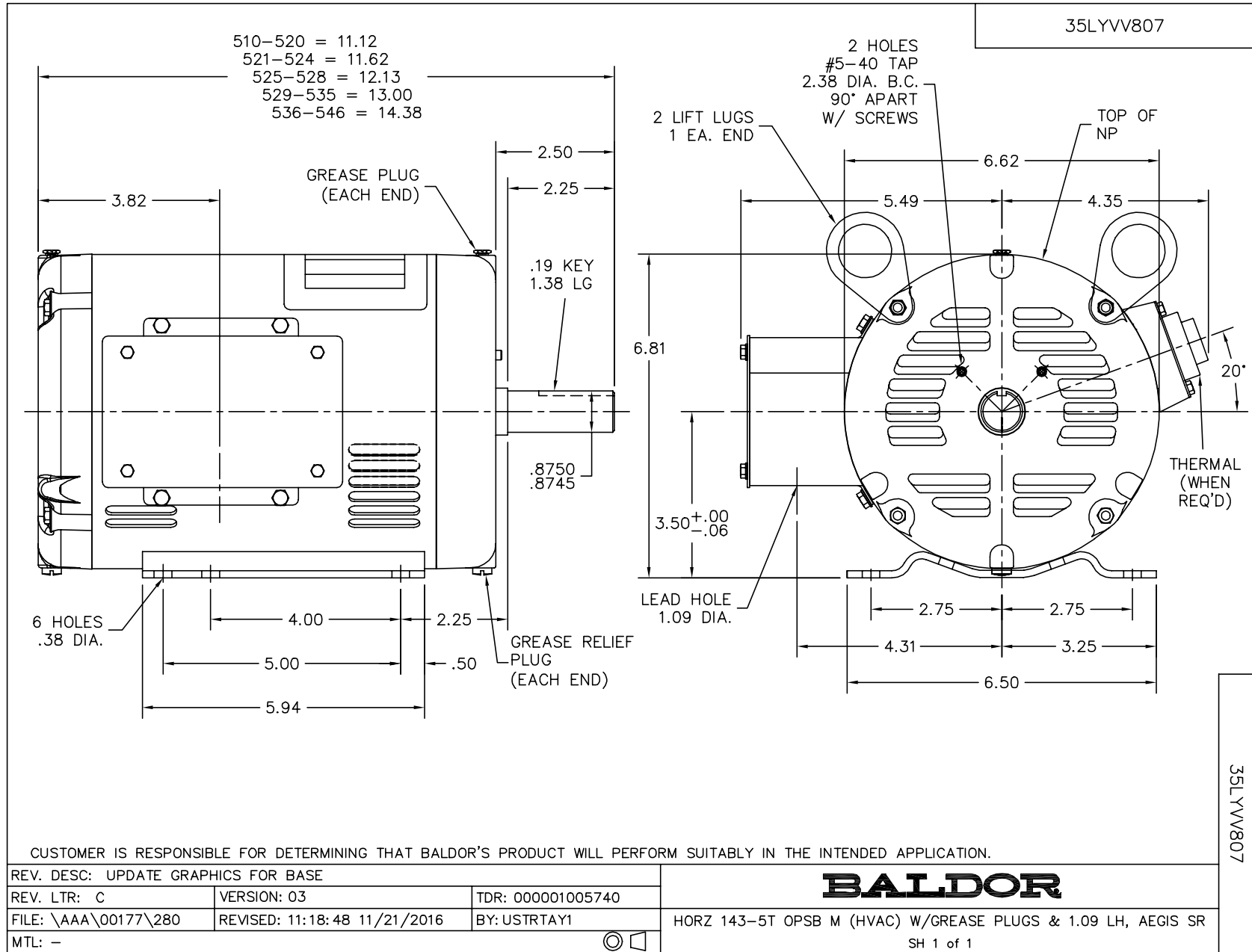
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	2			Full Load Torque	6.02 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	6.5			Breakdown Torque	21.5 LB-FT
R.P.M.	1750			Pull-up Torque	11.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	16.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	49.7 A
Service Factor (S.F.)	1.15			No-load Current	3.89 A
NEMA Nom. Eff.	86.5	Power Factor	77	Line-line Res. @ 25°C	1.64 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	37°C
S.F. Amps				Temp. Rise @ S.F. Load	44°C
				Locked-rotor Power Factor	52.7
				Rotor inertia	0.142 LB-FT ²

Load Characteristics 200 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	55	67	76	81	84	79
Efficiency	77.6	85	86.8	86.6	85.6	84.1	86.1
Speed	1788	1777	1765	1751	1735	1719	1748
Line amperes	4.1	4.68	5.56	6.59	7.81	9.22	7.26

Performance Graph at 200V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
9000D		FILE: AAA00005141	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006