



# **BALDOR® • *RELIANCE***

## **Product Information Packet**

### **HM3154T**

**1.5HP,1760RPM,3PH,60HZ,145T,3519M,OPSB,F**

Product Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod Type:	3519M	Elec. Spec:	35WGP800	CD Diagram:	CD0005
Enclosure	OPSB	Mfg Plant:		Mech Spec:	35V807	Layout:	35LYV807
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	01-21-2008
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-01-2008
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:	

**Nameplate NP1888A01**

CAT.NO.	HM3154T						
SPEC.	35V807P800H1						
HP	1.5						
VOLTS	208-230/460						
AMPS	5.2-4.8/2.4						
RPM	1760						
FRAME	145T	HZ	60	PH	3		
SER.F.	1.15	CODE	L	DES	B	CL	B
NEMA-NOM-EFF	84	PF	69				
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V					
DE	6205	ODE			6203		
AUTO	N	MANUAL			N	NONE	Y
ENCL	OPSB	SN					
BLANK							

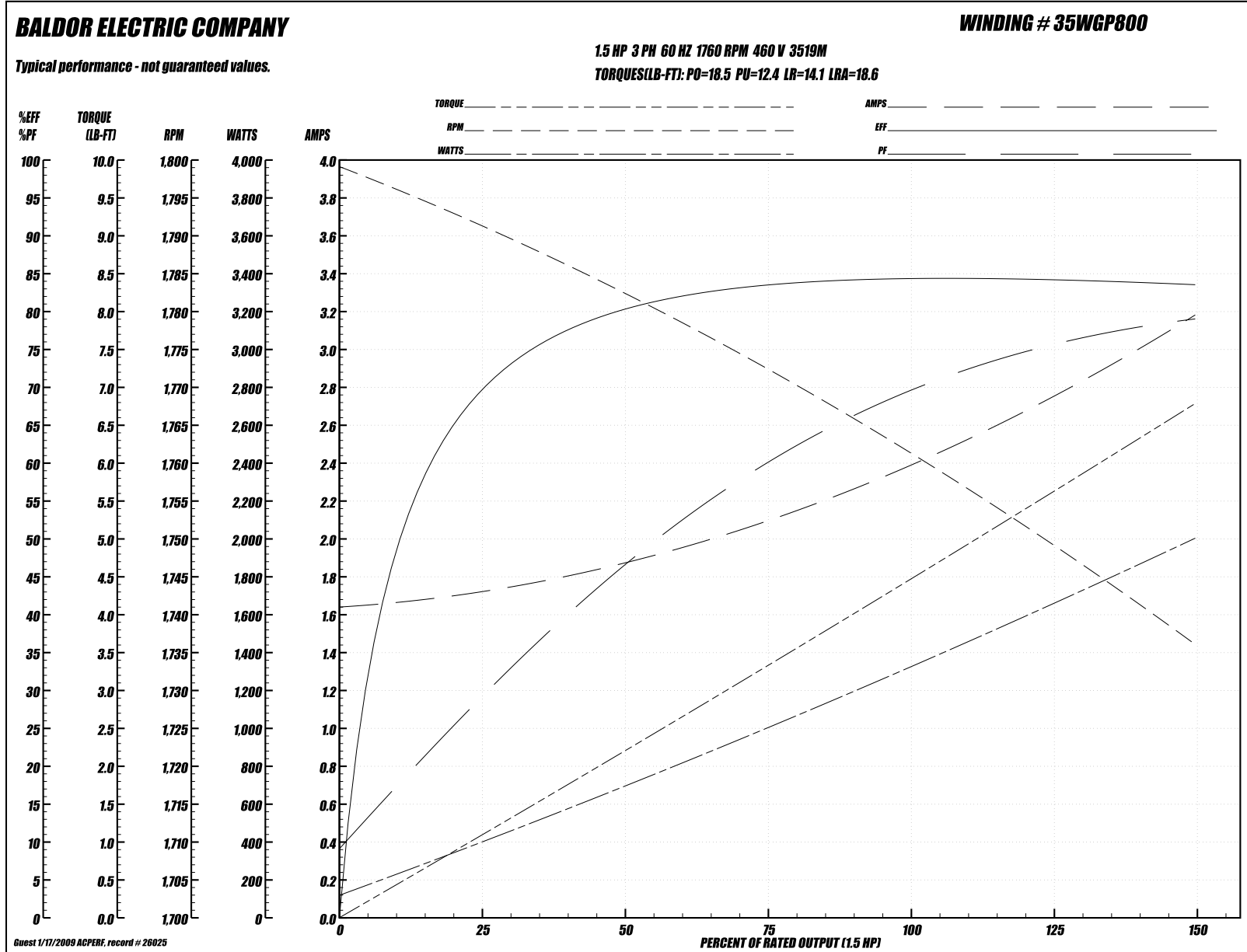
<b>Parts List</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
SA167245	SA 35V807P800H1	1.000	198.00
RA155584	RA 35V807P800H1	1.000	165.00
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000	
NS2512A01	INSULATOR, CONDUIT BOX X X	1.000	2.00
35CB4004A13	CONDUIT BOX FOR LIC 35CB4509, .88 DIA	1.000	30.00
51XT1032A04	10-32X1/4 HX WA SL SR TYT (F/S)	4.000	2.00
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000	3.00
HW3001A01	D3019 BRASS WASHER(STIMP)	1.000	2.00
35EP3201A48	SPL FR ENDPLATE-OPEN W/SCREENS, GREASER	1.000	65.00
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000	2.00
HW4500A20	1/8NPT SL PIPE PLUG	1.000	2.00
HW5100A03SP	WAVY WASHER (W1543-017)	1.000	2.00
35EP3200A06	PU ENDPLATE, MACH	1.000	47.00
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000	2.00
HW4500A20	1/8NPT SL PIPE PLUG	1.000	2.00
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000	2.00
35CB4509	BOX LID MODEL 35 FOR 35CB4004-GALV & PHO	1.000	2.00
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	4.000	2.00
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000	2.00
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000	2.00
MJ1000A02	GREASE, POLYREX EM EXXON	0.050	10.00
MG1000G55	682.62 LACQUER LIGHT GRAY LHAPS	0.017	61.00
HA3100A15	THRUBOLT 10-32 X 8.375	4.000	2.00
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS TDR	2.000	29.00

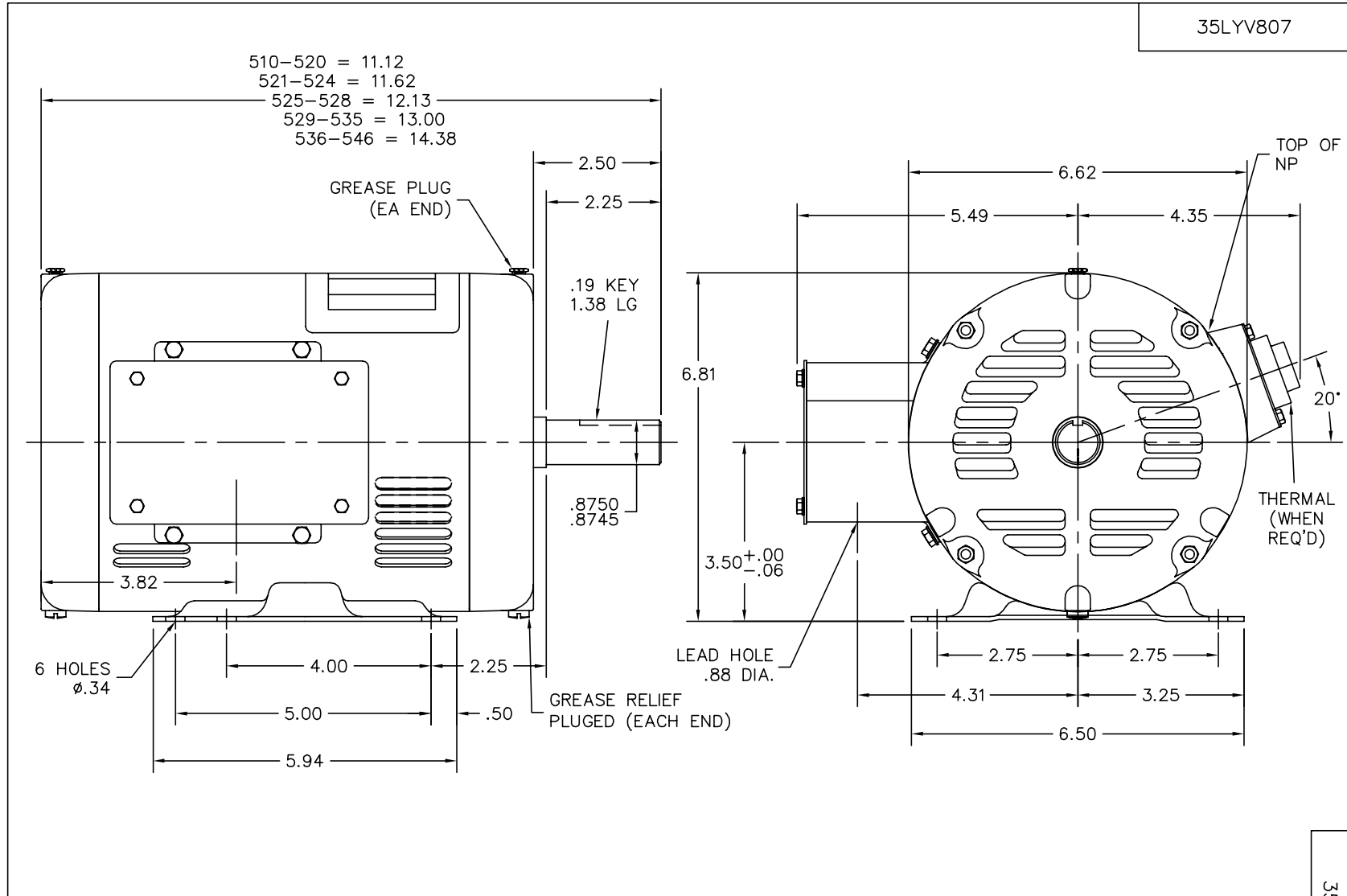
<b>Parts List (continued)</b>			
<b>Product ID</b>	<b>Description</b>	<b>Quantity</b>	<b>List Price</b>
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000	2.00
NP1888A01	NP LABEL W/CD0005 (FOR HVAC MOTOR)	1.000	
35PA1067	PACK GROUP COMBINED PRINT WITH OSB BASE	1.000	13.00

**Performance Data at 460V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)**

General Characteristics							
<b>Full Load Torque:</b>	4.4 LB-FT			<b>Start Configuration:</b>	DOL		
<b>No-Load Current:</b>	1.65 Amps			<b>Break-Down Torque:</b>	18.5 LB-FT		
<b>Line-line Res. @ 25°C.:</b>	10.6 Ohms A Ph / 0.0 Ohms B Ph			<b>Pull-Up Torque:</b>	12.4 LB-FT		
<b>Temp. Rise @ Rated Load:</b>	34°C			<b>Locked-Rotor Torque:</b>	14.1 LB-FT		
<b>Temp. Rise @ S.F. Load:</b>	42°C			<b>Starting Current:</b>	18.6 Amps		
Load Characteristics							
<b>% of Rated Load:</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor:</b>	29.0	46.0	60.0	69.0	75.0	79.0	73.0
<b>Efficiency:</b>	69.0	79.7	83.4	84.4	84.2	83.4	84.3
<b>Speed:</b>	1792.0	1782.0	1773.0	1762.0	1750.0	1736.0	1755.0
<b>Line Amperes:</b>	1.71	1.86	2.09	2.37	2.75	3.17	2.6

Performance Graph at 460V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW		TDR: 000000399819	
REV. LTR: -	VERSION: 00	FILE: \AAA\00137\755	
∟08ΛΛ75∟		REVISED: 06:51:29 06/23/2006	BY: ENMARMO
MTL: -			

**BALDOR ELECTRIC Co.**

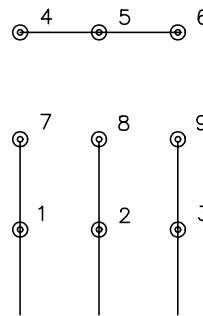
HORZ 143-5T OPSB M (HVAC), GREASE PLUGS

35LYV807

CD0005

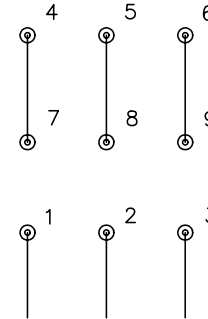


LOW VOLTAGE  
(2Y)



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			
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900000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005