

BALDOR® • RELIANCE

Product Information Packet

EM31155

2HP,3450RPM,3PH,60HZ,56,3524M,ODP,F1,N

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGS254	CD Diagram:	CD0005
Enclosure:	ODP	Mfg Plant:		Mech. Spec:	35B011	Layout:	35LYB011
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	03-27-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-31-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L

CAT.NO.	EM31155									
SPEC.	35B011S254G1									
HP	2									
VOLTS	230/460									
AMP	5.2/2.6									
RPM	3450									
FRAME	56				HZ 60				PH 3	
SER.F.	1.15		CODE K		DES B		CL F			
F.L. AVG. EFF.	85.5		PF 85							
RATING	40C AMB-CONT									
CC			USABLE AT 208V 5.6							
DE	6205			ODE 6203						
ENCL	ODP		SN							

Parts List		
Part Number	Description	Quantity
SA278620	SA 35B011S254G1	1.000 EA
RA265151	RA 35B011S254G1	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
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	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
35EP3201A03	STD FR EP OPEN-203BRG-35L OR M FRAME--LE	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A02	PUEP OPEN 205 BRG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 57243 - Typical performance - not guaranteed values

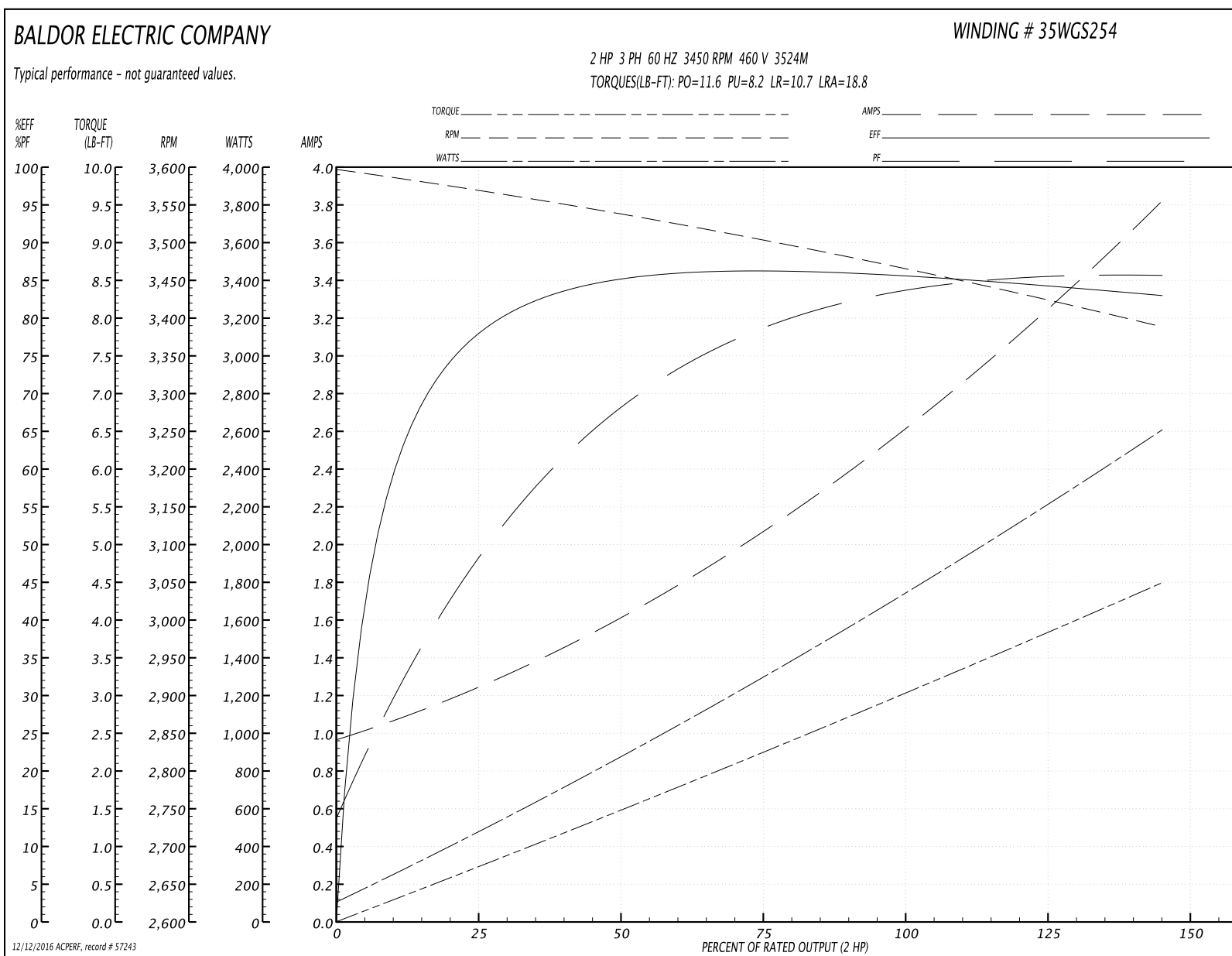
Winding: 35WGS254-R009	Type: 3524M	Enclosure: OPEN
-------------------------------	--------------------	------------------------

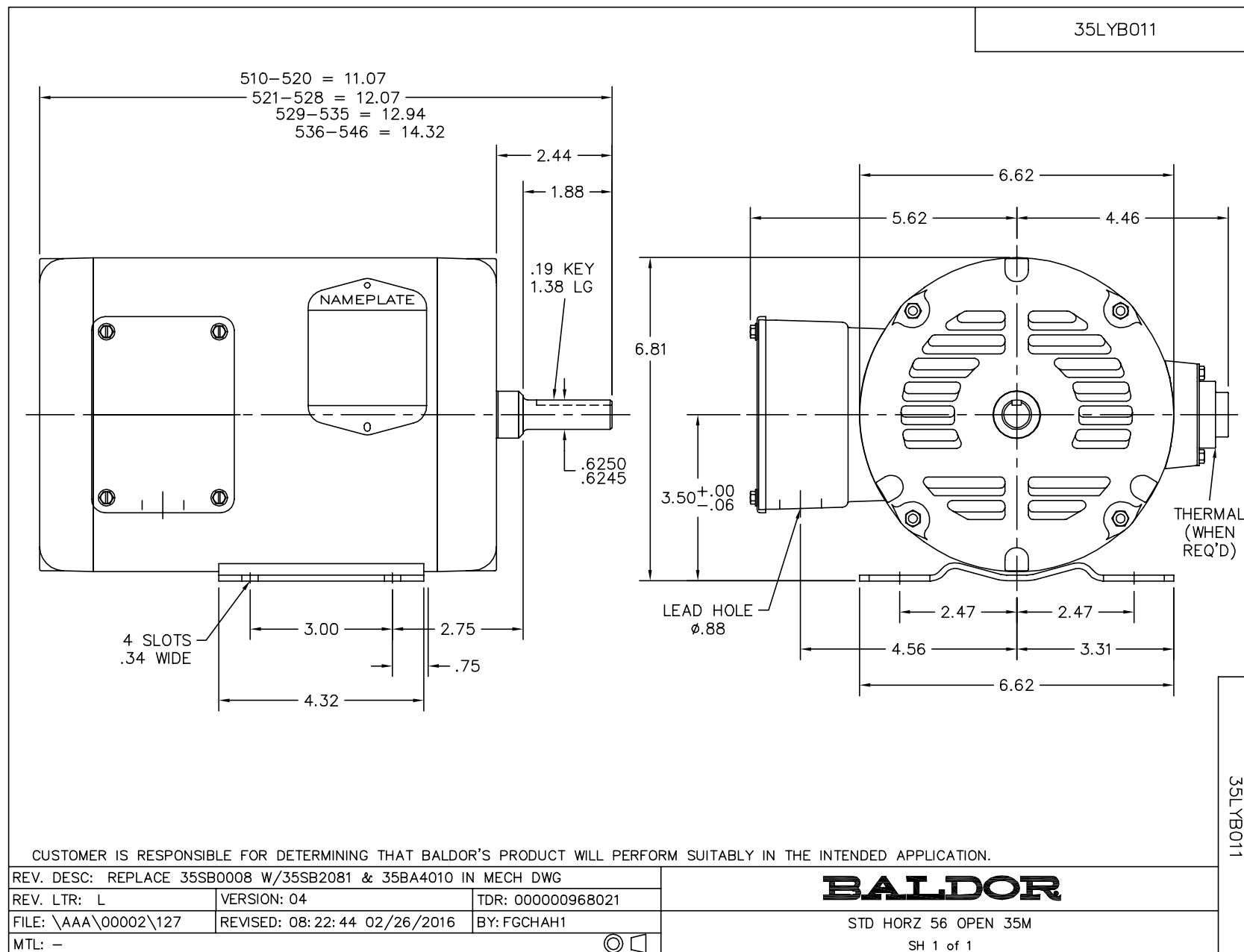
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	5.2/2.6			Breakdown Torque	11.6 LB-FT
R.P.M.	3450			Pull-up Torque	8.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.7 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	18.8 A
Service Factor (S.F.)	1.15			No-load Current	1 A
NEMA Nom. Eff.	85.5	Power Factor	85	Line-line Res. @ 25°C	8.08 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C
				Locked-rotor Power Factor	53.6
				Rotor inertia	0.0657 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

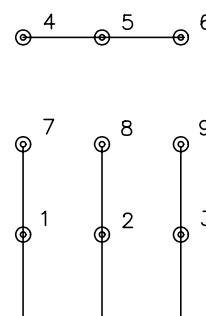
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	73	82	86	88	88	87
Efficiency	78.2	84.9	86.2	85.8	84.5	82.9	85
Speed	3566	3536	3504	3469	3429	3387	3445
Line amperes	1.2	1.6	2.1	2.6	3.2	3.8	3

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