

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **EM3554**

**1.5HP, 1760RPM, 3PH, 60HZ, 56, 3526M, TEFC, F1**

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526M	Elec. Spec:	35WGM493	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35A011	Layout:	35LYA011
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	09-23-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-09-2015
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L							
CAT.NO.	EM3554						
SPEC.	35A011M493G1						
HP	1.5						
VOLTS	208-230/460						
AMP	4.5-4.4/2.2						
RPM	1760						
FRAME	56	HZ	60	PH	3		
SER.F.	1.15	CODE	L	DES	B	CL	F
NEMA-NOM-EFF	86.5	PF	73				
RATING	40C AMB-CONT						
CC		USABLE AT 208V					
DE	6205	ODE	6203				
ENCL	TEFC	SN					

Parts List		
Part Number	Description	Quantity
SA203592	SA 35A011M493G1	1.000 EA
RA190853	RA 35A011M493G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	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
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35EP3100M02	FREP TEFC 203 BRG W/O GR SR (RAISED FH MT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32	IEC FH NO GR SR W/3 HOLES - W/AUTOPHERETI	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	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
MJ1000A75	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

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 32424 - Typical performance - not guaranteed values

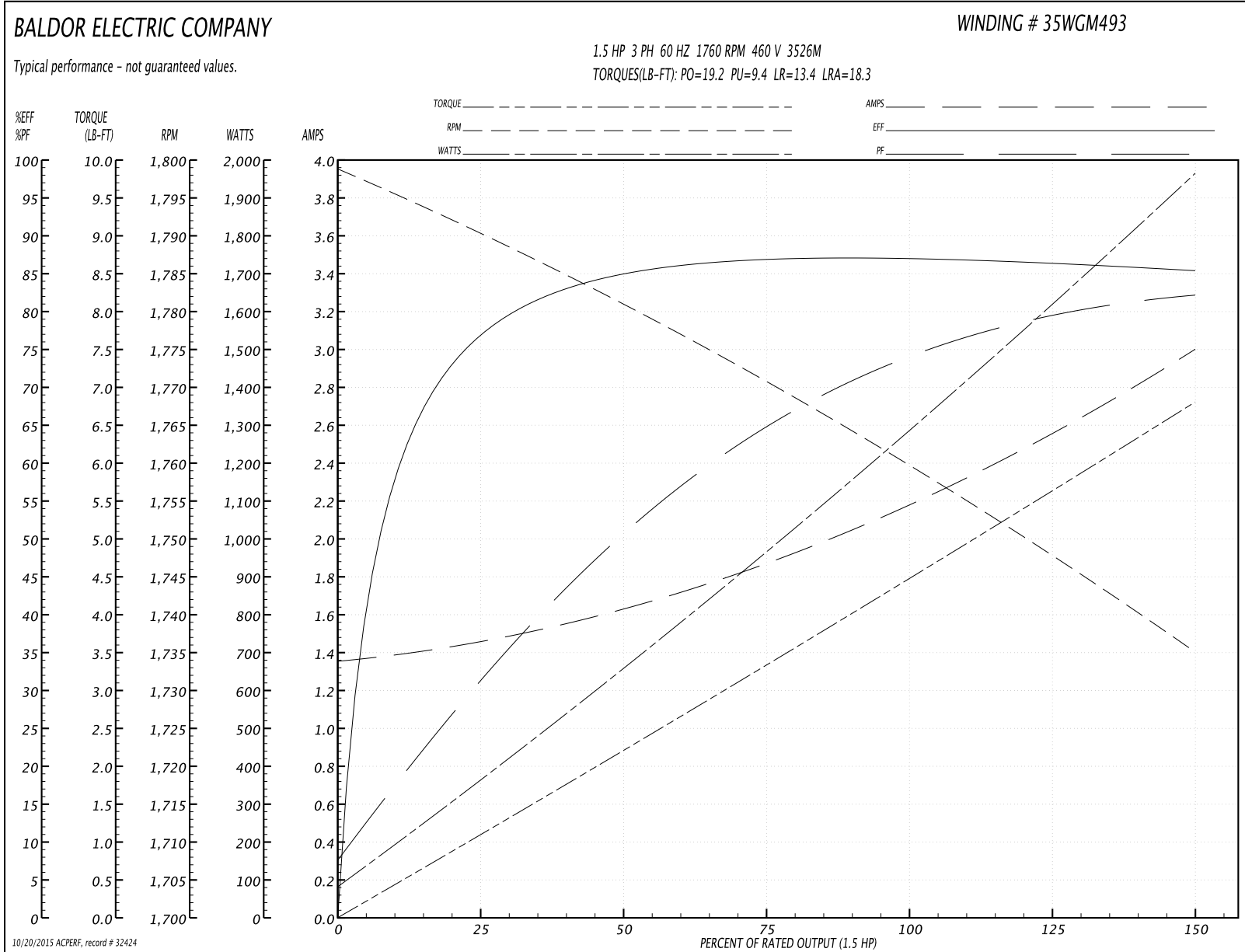
<b>Winding:</b> 35WGM493-R001	<b>Type:</b> 3526M	<b>Enclosure:</b> TEFC
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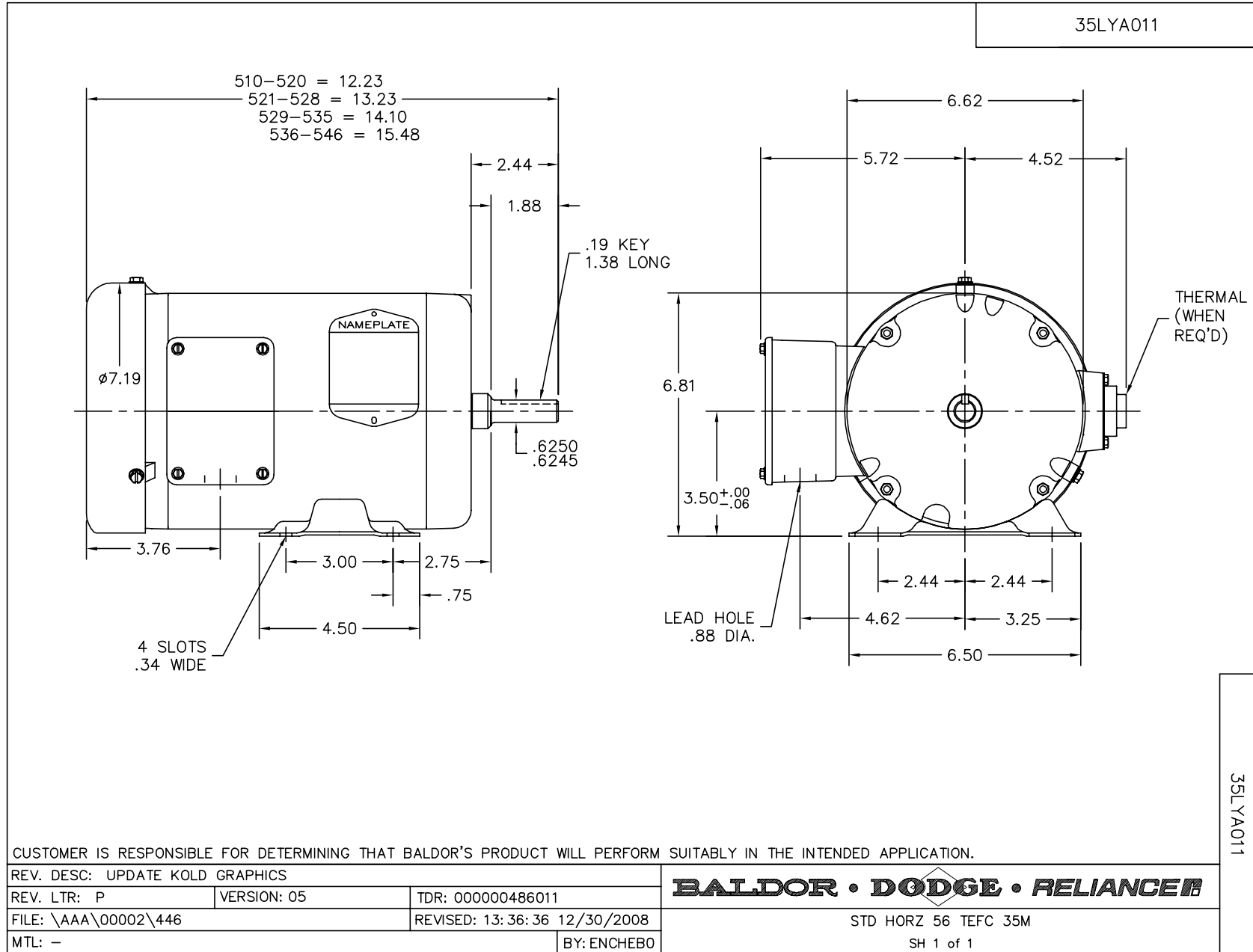
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.47 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	4.5-4.4/2.2			Breakdown Torque	19.2 LB-FT
R.P.M.	1760			Pull-up Torque	9.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.4 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	18.3 A
Service Factor (S.F.)	1.15			No-load Current	1.37 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	10.66 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	53°C
				Rotor inertia	0.154 LB-FT <sup>2</sup>

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	51	65	73	79	83	77
Efficiency	75.9	84.5	86.8	87.1	86.4	85.4	86.7
Speed	1790.6	1781.1	1770.7	1760.1	1748.1	1734.9	1753
Line amperes	1.44	1.61	1.86	2.19	2.58	2.98	2.42

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



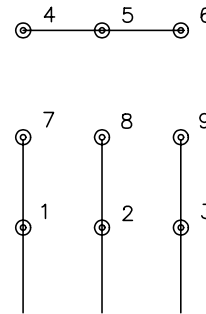




CD0005

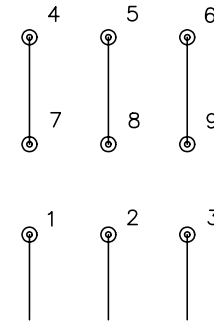


LOW VOLTAGE  
(2Y)



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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005