

**BALDOR® • RELIANCE** 

**Product Information Packet**

**EBM3554Y**

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

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM493	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35A022	Layout:	35LYA022	Poles:	04	Created Date:	03-06-2015
Base:	RG	Eff. Date:	11-02-2018	Leads:	9#18		

Specs			
Catalog Number:	EBM3554Y	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	56	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3526M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	73
	CSA EEV	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

<b>Blower:</b>	None	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
<b>Current @ Voltage:</b>	2.200 A @ 460.0 V	<b>Shaft Rotation:</b>	Reversible
	4.400 A @ 230.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
	4.500 A @ 208.0 V	<b>Speed Code:</b>	Single Speed
<b>Design Code:</b>	B	<b>Motor Standards:</b>	NEMA
<b>Drip Cover:</b>	No Drip Cover	<b>Starting Method:</b>	Direct on line
<b>Duty Rating:</b>	CONT	<b>Thermal Device - Bearing:</b>	None
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Winding:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Face Code:</b>	Brake Mounting	<b>Winding Thermal 1:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1259L</b>										
<b>CAT.NO.</b>	EBM3554Y									
<b>SPEC.</b>	35A022M493G2									
<b>HP</b>	1.5									
<b>VOLTS</b>	230/460									
<b>AMP</b>	4.4/2.2									
<b>RPM</b>	1760									
<b>FRAME</b>	56				<b>HZ</b>	60			<b>PH</b>	3
<b>SER.F.</b>	1.15		<b>CODE</b>	L	<b>DES</b>	B		<b>CL</b>	F	
<b>NEMA-NOM-EFF</b>	86.5		<b>PF</b>	73						
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A				<b>USABLE AT 208V</b>			4.5		
<b>DE</b>	6205				<b>ODE</b>	6203				
<b>ENCL</b>	TEFC			<b>SN</b>						

Parts List		
Part Number	Description	Quantity
SA295115	SA 35A022M493G2	1.000 EA
RA281184	RA 35A022M493G2	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
35EP3900T01	SPL FACE MTD FR EP-ENCL-W/STEARNS BRAKE	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3123D00	MASTER DE,205 BRG,.998 SH,#26 DRN,FH MTG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
HW2501D10	KEY, 3/16 SQ X 1.000	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HW2500A16	EY, USA #606, WOODRUFF	1.000 EA
35FH4005A04	IEC FH NO GR SR W/1.09 SHAFT HOLE, W/	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	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	0.050 LB
35FN3002A02SP	EXFN, PLASTIC, 6.376 OD, .987 ID W/KEY	1.000 EA
84XN3816J28	HEX SOC HD, 3/8-16 X 1.75 LONG	2.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
76BK3100BQF	1-056-031-00-BQF BRAKE TDR# 79345	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
LB1404	BRAKE CONNECTION LABEL	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 (2200bx) 4/22	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

**AC Induction Motor Performance Data**

Record # 33558

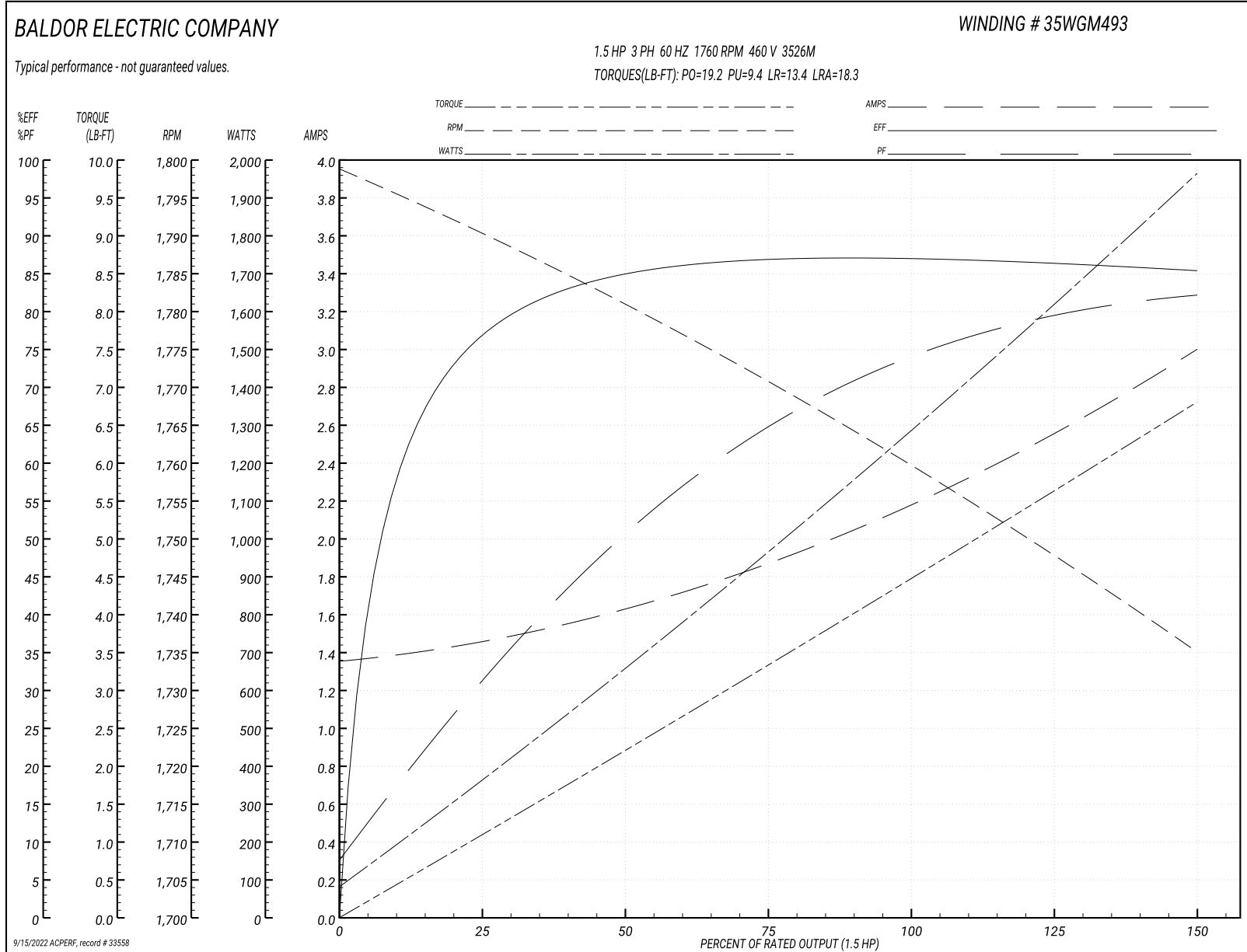
Typical performance - not guaranteed values

Winding: 35WGM493-R013		Type: 3526M	Enclosure: TEFC
<b>Nameplate Data</b>		<b>460 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	1.5	Full Load Torque	4.47 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	4.4/2.2	Breakdown Torque	19.2 LB-FT
R.P.M.	1760	Pull-up Torque	9.4 LB-FT
Hz	60 Phase	Locked-rotor Torque	13.4 LB-FT
NEMA Design Code	B KVA Code	Starting Current	18.3 A
Service Factor (S.F.)	1.15	No-load Current	1.37 A
NEMA Nom. Eff.	86.5 Power Factor	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
		Locked-rotor Power Factor	52
		Rotor inertia	0.154 LB-FT <sup>2</sup>

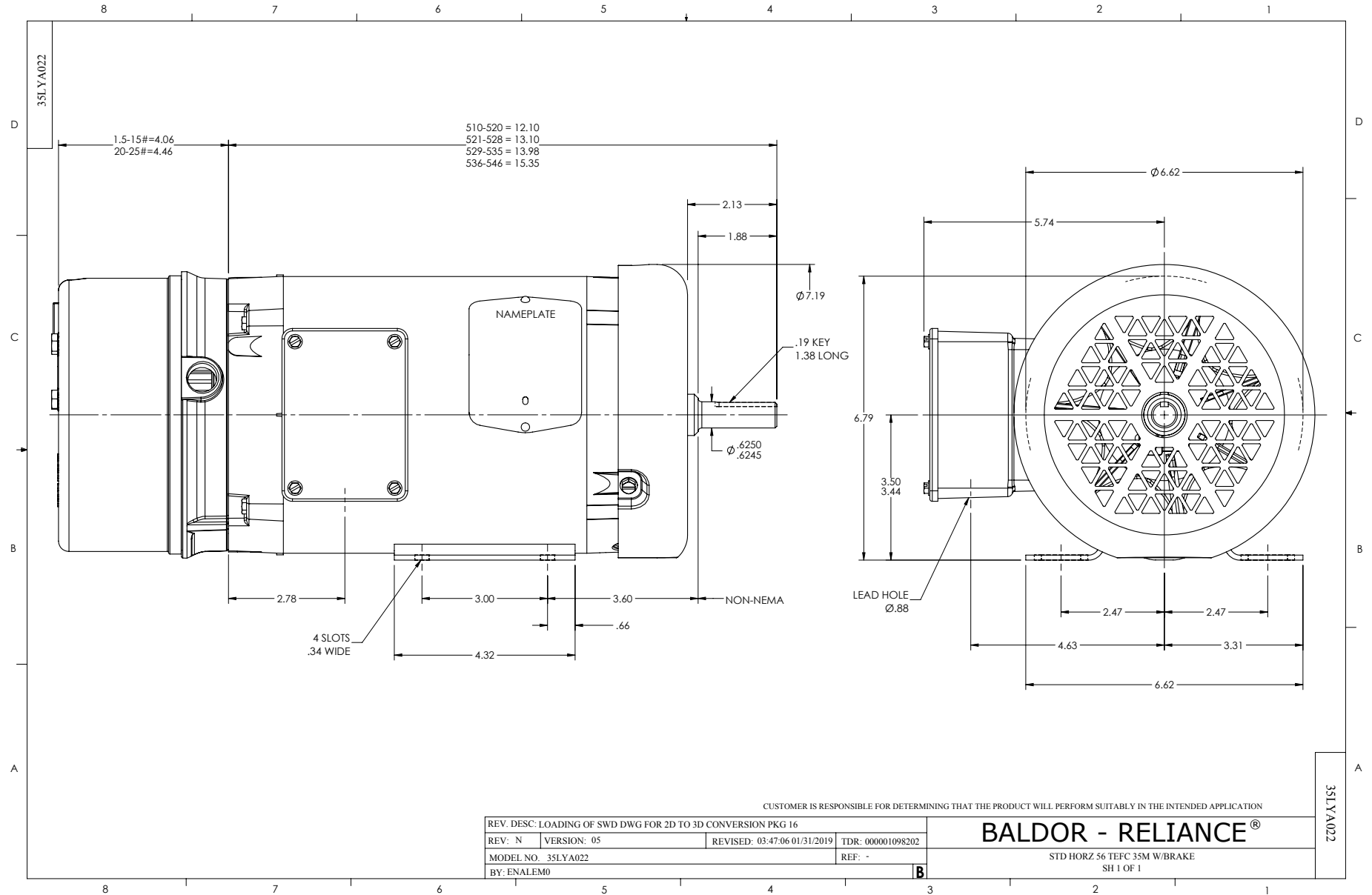
**Load Characteristics 460 V, 60 Hz, 1.5 HP**

% 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