

BALDOR® • RELIANCE

Product Information Packet

M3532

.25HP,860RPM,3PH,60HZ,56,3514M,TEFC,F1,N

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3514M	Elec. Spec:	35WGM498	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35A011	Layout:	35LYA011
Frame:	56	Mounting:	F1	Poles:	08	Created Date:	12-08-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	01-28-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	M3532										
SPEC.	35A011M498G1										
HP	.25										
VOLTS	208-230/460										
AMP	1.5-1.6/.8										
RPM	860										
FRAME	56				HZ	60				PH	3
SER.F.	1.35			CODE	K	DES	B		CLASS	B	
NEMA-NOM-EFF	57.5			PF	52						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							
DE	6205			ODE	6203						
ENCL	TEFC			SN							
	SFA 1.6-1.7/.85										

Parts List		
Part Number	Description	Quantity
SA212657	SA 35A011M498G1	1.000 EA
RA199886	RA 35A011M498G1	1.000 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000	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 GRSR (RAISED FH MT	1.000 EA
HW5100A03	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 GRSR W/3 HOLES - PRIMED	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
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
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 33948 - Typical performance - not guaranteed values

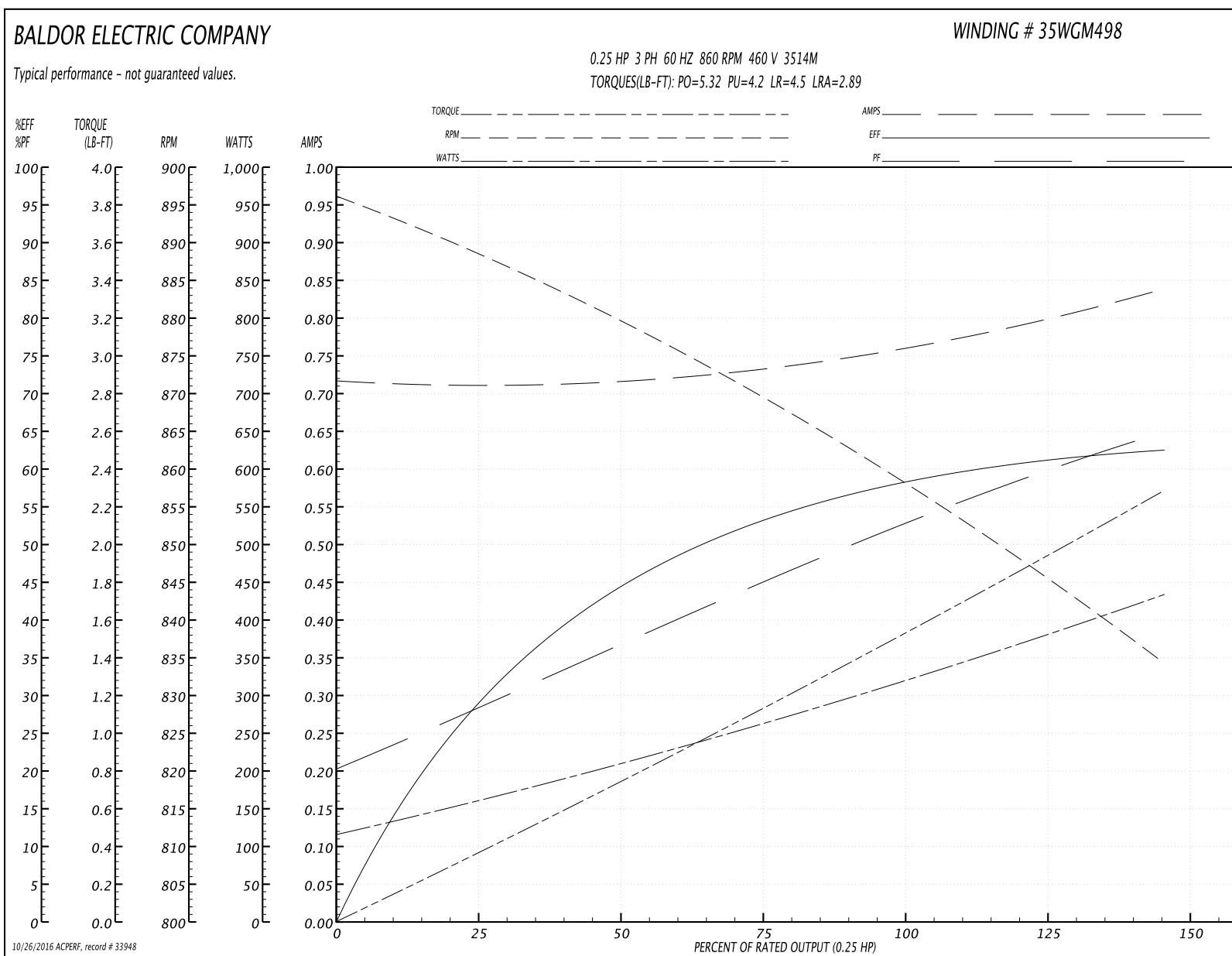
Winding: 35WGM498-R002	Type: 3514M	Enclosure: TEFC
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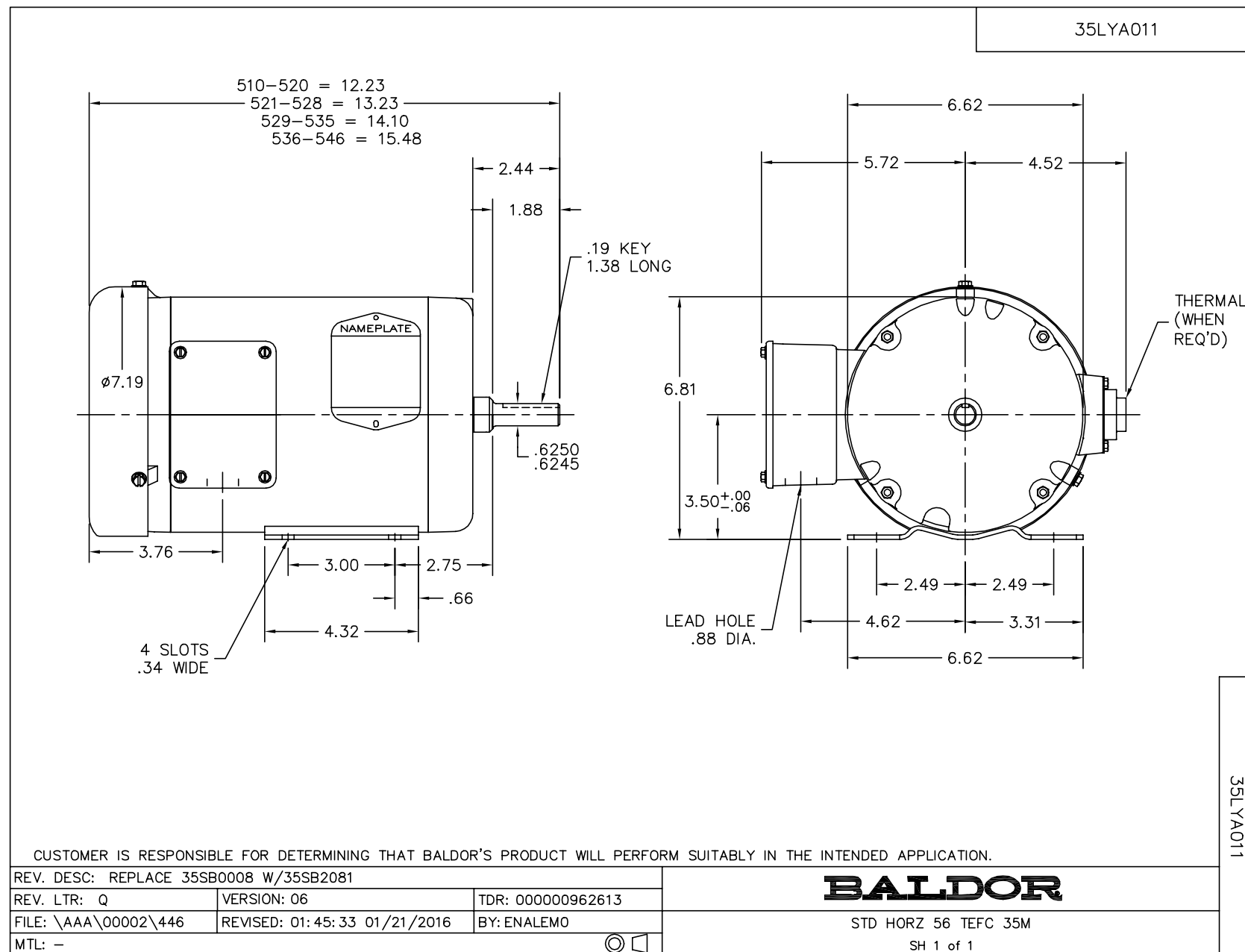
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	1.52 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.5-1.6/.8			Breakdown Torque	5.32 LB-FT
R.P.M.	860			Pull-up Torque	4.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.5 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	2.89 A
Service Factor (S.F.)	1.35			No-load Current	0.714 A
NEMA Nom. Eff.	57.5	Power Factor	52	Line-line Res. @ 25°C	90.3 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps	1.6-1.7/.85			Temp. Rise @ S.F. Load	56°C

Load Characteristics 460 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	37	45	53	59	65	61
Efficiency	29.2	44.5	53	58.5	61.1	62.4	61.6
Speed	889	879	869	859	847	834	842
Line amperes	0.715	0.717	0.732	0.757	0.793	0.841	0.812

Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values

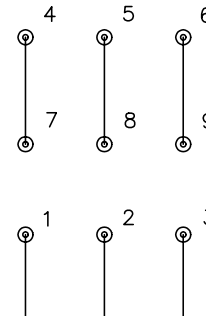




CD0005


 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