

BALDOR® • RELIANCE

Product Information Packet

CEM3546-5

1HP,1760RPM,3PH,60HZ,56C,3519M,TEFC,F1,N

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520M	Elec. Spec:	35WGM849	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35A012	Layout:	35LYA012
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	08-01-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-06-2016
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441L

CAT.NO.	CEM3546-5										
SPEC.	35A012M849G2										
HP	1										
VOLTS	575										
AMP	1.2										
RPM	1760										
FRAME	56C					HZ	60		PH	3	
SER.F.	1.15			CODE	L	DES	B		CL	F	
NEMA-NOM-EFF	85.5			PF	71						
RATING	40C AMB-CONT										
CC	010A					USABLE AT 208V					
DE	6205					ODE	6203				
ENCL	TEFC			SN							
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1)											
SFA 1.3											

Parts List		
Part Number	Description	Quantity
SA304960	SA 35A012M849G2	1.000 EA
RA292148	RA 35A012M849G2	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	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 GR SR (RAISED FH MT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GR SR 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
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1119N	WARNING LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0006	CONNECTION LABEL	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 51770 - Typical performance - not guaranteed values

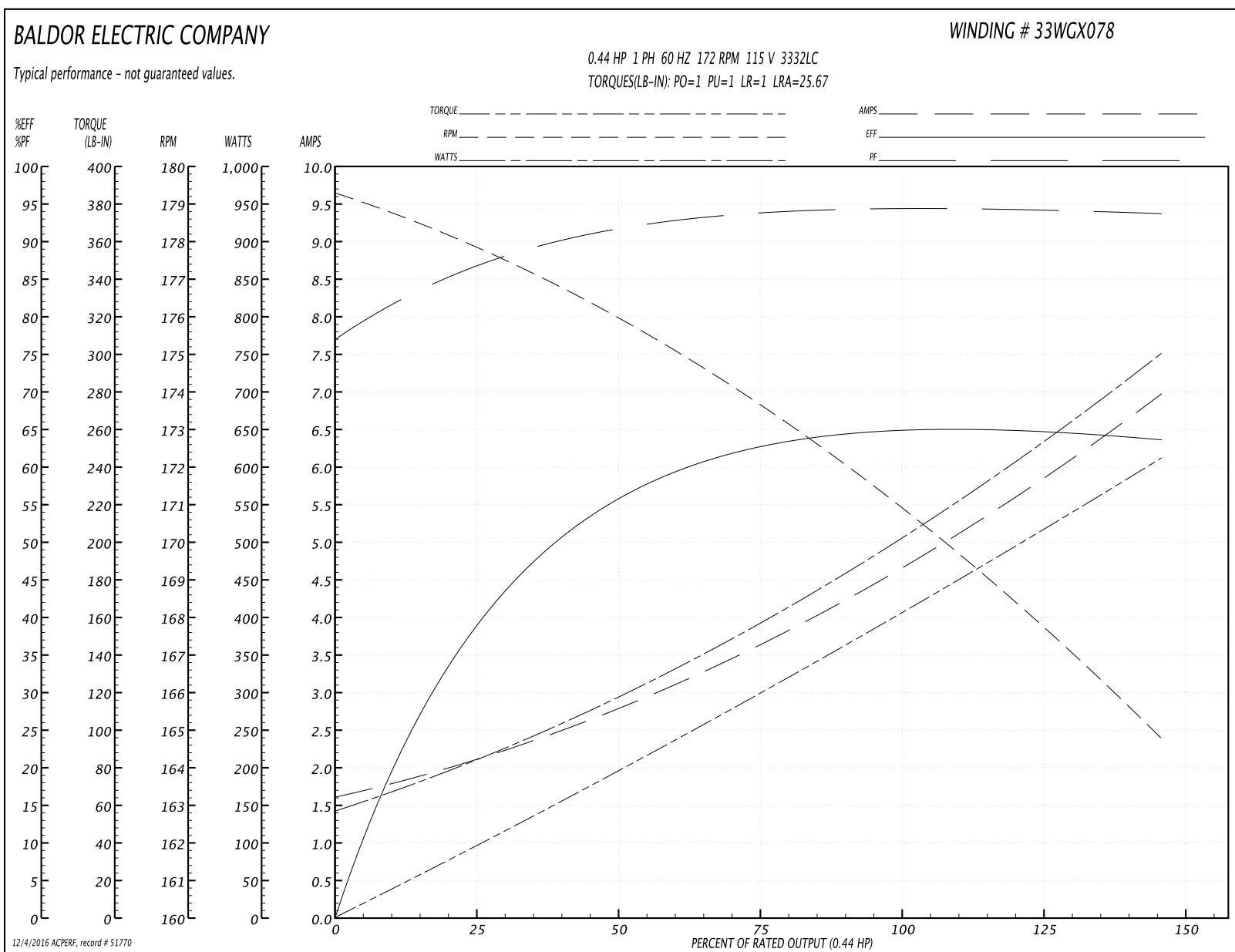
Winding: 33WGX078-R001 Gear Type: PARALLEL	Type: 3332LC Gear Style: PSLH	Enclosure: TEFC Gear Ratio: 10:1
---	--	---

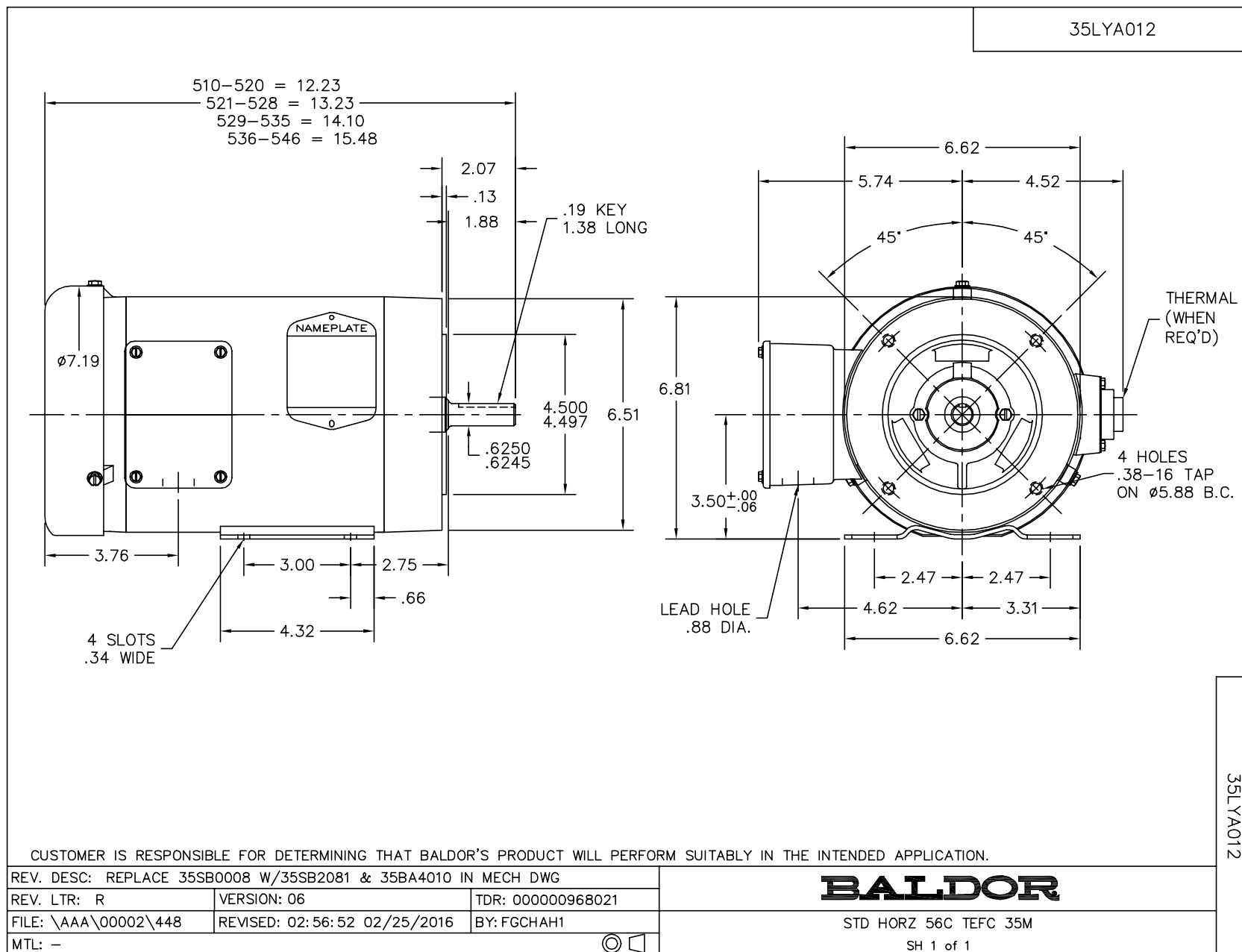
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	164 LB-IN
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	4.7/2.6-2.35			Breakdown Torque	1 LB-IN
R.P.M.	172			Pull-up Torque	1 LB-IN
Hz	60	Phase	1	Locked-rotor Torque	1 LB-IN
NEMA Design Code	-	KVA Code	G	Starting Current	25.67 A
Service Factor (S.F.)	1			No-load Current	1.56 A
NEMA Nom. Eff.	72	Power Factor	94	Line-line Res. @ 25°C	7.4127 Ω A Ph 7.5604 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 0.44 HP

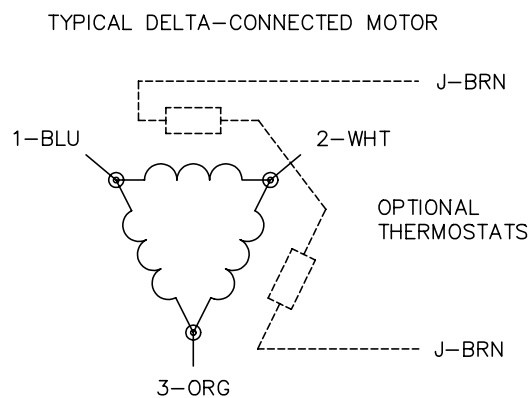
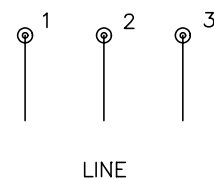
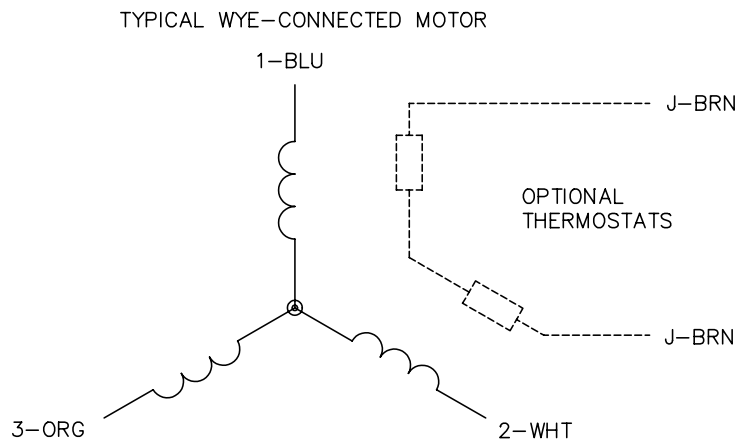
% of Rated Load	25	50	75	100	125	150
Power Factor	88	92	93	94	94	93
Efficiency	39.1	56.1	62.9	64.7	66.8	62.7
Speed	178.3	175.5	173.5	170.1	168.9	164.3
Line amperes	2.19	2.88	3.74	4.71	5.63	7.11

Performance Graph at 115V, 60Hz, 0.44HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006