

BALDOR® • **RELIANCE**

Product Information Packet

CEM3545

1HP,3450RPM,3PH,60HZ,56C,3516M,TEFC,F1,N

Copyright © All product information within this document is subject to Baldor Electric Company copyright © protection, unless otherwise noted.

Part Detail									
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WGY474	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35T942	Layout:			
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	04-28-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-01-2011		
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1259L									
CAT.NO.	CEM3545								
SPEC.	35T942Y474G1								
HP	1								
VOLTS	230/460								
AMP	2.8/1.4								
RPM	3450								
FRAME	56C	HZ	60	PH	3				
SER.F.	1.25	CODE	K	DES	B	CL	F		
NEMA-NOM-EFF	77	PF	87						
RATING	40C AMB-CONT								
CC				USABLE AT 208V					
DE	6205	ODE	6203						
ENCL	TEFC	SN							
	SFA 3.4/1.7								

Parts List		
Part Number	Description	Quantity
SA194199	SA 35T942Y474G1	1.000 EA
RA181787	RA 35T942Y474G1	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	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 GRSR (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
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - W/AUTOPHERETI	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
35GS1030	35 GS FOR CB LID - LEXIDE	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	0.050 LB
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.017 GA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA

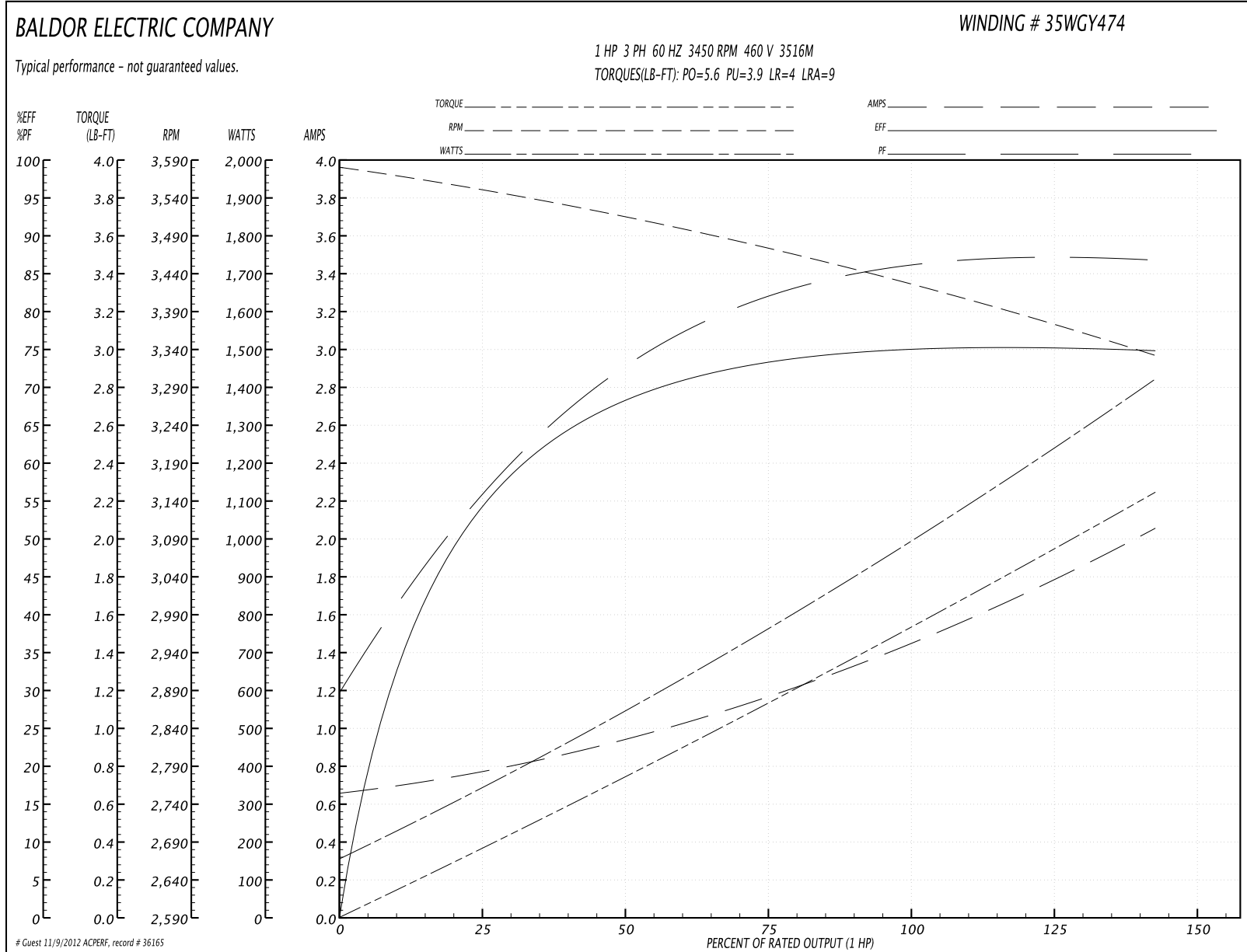
Parts List (continued)		
Part Number	Description	Quantity
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
PA1000	PACKING GROUP 3500 SHORT	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA

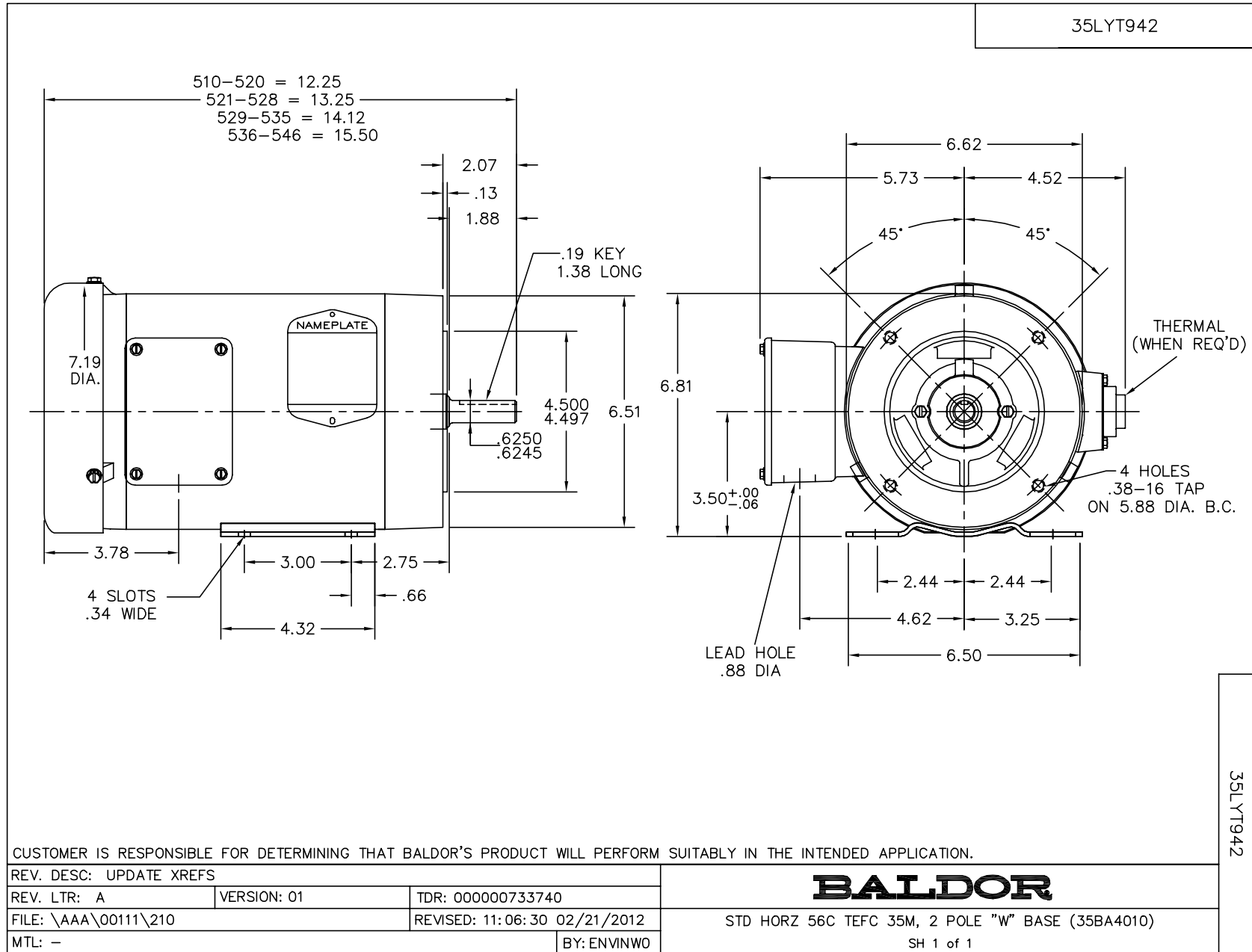
Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

General Characteristics			
Full Load Torque:	1.5 LB-FT	Start Configuration:	DOL
No-Load Current:	0.66 Amps	Break-Down Torque:	5.6 LB-FT
Line-line Res. @ 25°C.:	19.4 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	3.9 LB-FT
Temp. Rise @ Rated Load:	47 C	Locked-Rotor Torque:	4.0 LB-FT
Temp. Rise @ S.F. Load:	55 C	Starting Current:	9.0 Amps

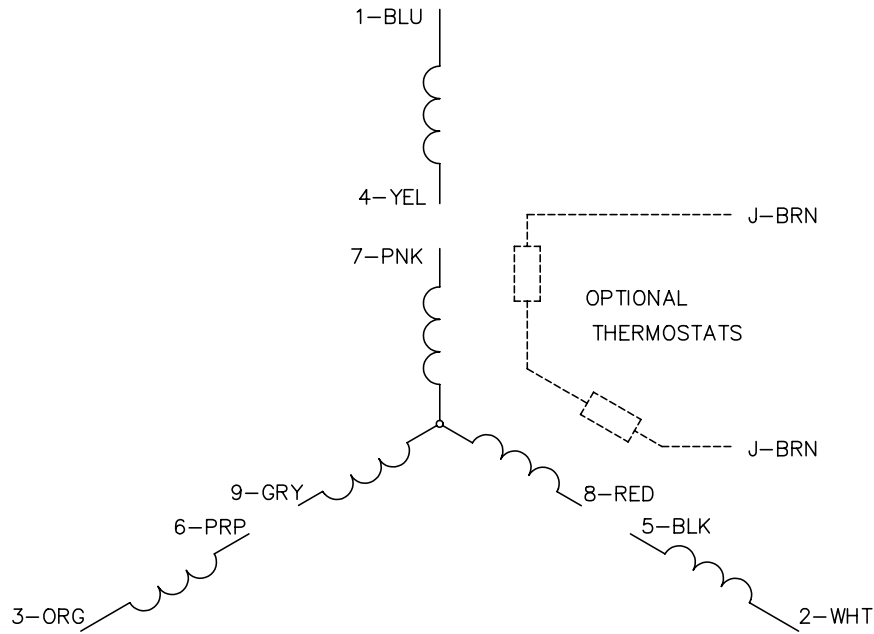
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	57.0	74.0	81.0	85.0	87.0	87.0	87.0
Efficiency:	54.0	67.8	73.5	75.1	75.6	74.6	75.6
Speed:	3549.0	3513.0	3474.0	3432.0	3384.0	3330.0	3384.0
Line Amperes:	0.77	0.94	1.17	1.43	1.72	2.06	1.72

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0005

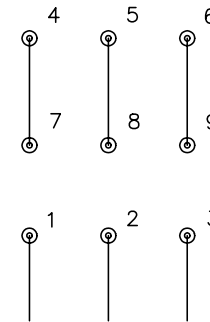


LOW VOLTAGE
(2Y)



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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005