

BALDOR® • *RELIANCE*

Product Information Packet

EM3550

1.5HP,3500RPM,3PH,60HZ,56,3520M,TEFC,F1

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Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520M	Elec. Spec:	35WGM760	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35T696	Layout:	
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	05-21-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	07-07-2011
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1259L							
CAT.NO.	EM3550						
SPEC.	35T696M760G1						
HP	1.5						
VOLTS	208-230/460						
AMP	4-3.8/1.9						
RPM	3500						
FRAME	56	HZ	60	PH	3		
SER.F.	1.15	CODE	L	DES	B	CL	F
NEMA-NOM-EFF	84	PF	85				
RATING	40C AMB-CONT						
CC				USABLE AT 208V			
DE	6205	ODE	6203				
ENCL	TEFC	SN					

Parts List		
Part Number	Description	Quantity
SA197060	SA 35T696M760G1	1.000 EA
RA184497	RA 35T696M760G1	1.000 EA
34FN3002B01	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
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
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

Parts List (continued)		
Part Number	Description	Quantity
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
PA1000	PACKING GROUP 3500 SHORT	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH

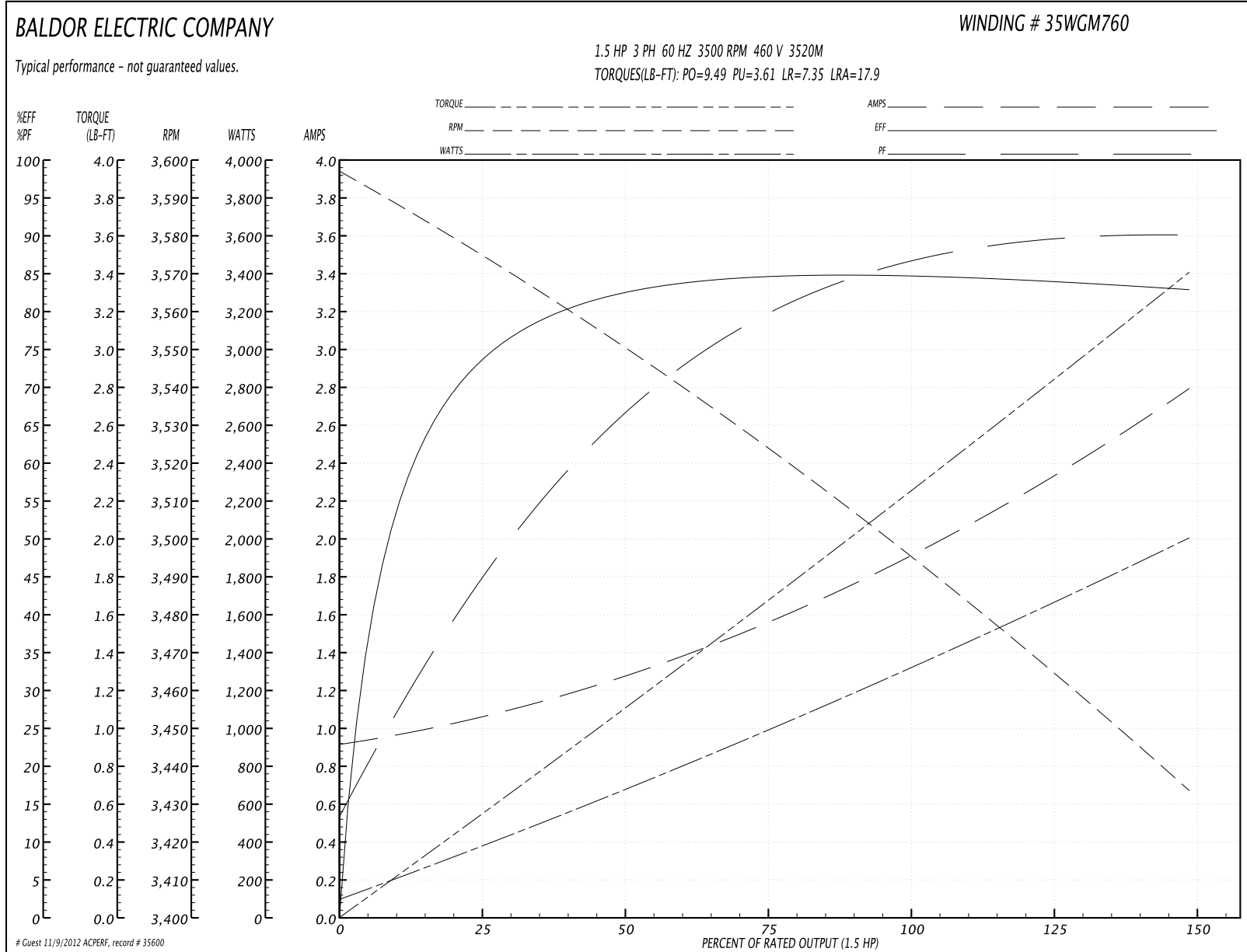
Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

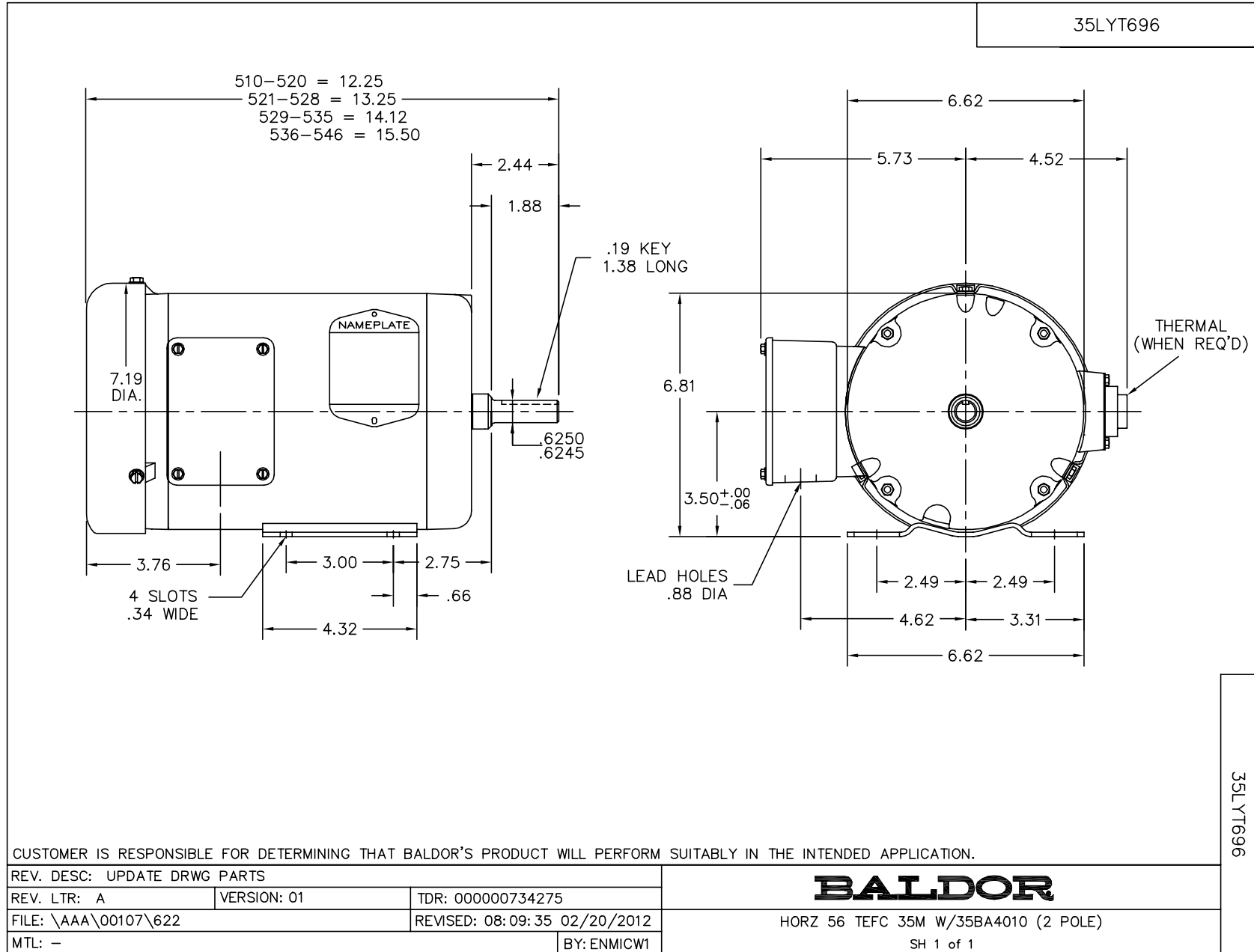
Performance Data at 460V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)

General Characteristics			
Full Load Torque:	2.22 LB-FT	Start Configuration:	DOL
No-Load Current:	0.932 Amps	Break-Down Torque:	9.49 LB-FT
Line-line Res. @ 25°C.:	12.2 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	3.61 LB-FT
Temp. Rise @ Rated Load:	43 C	Locked-Rotor Torque:	7.35 LB-FT
Temp. Rise @ S.F. Load:	50 C	Starting Current:	17.9 Amps

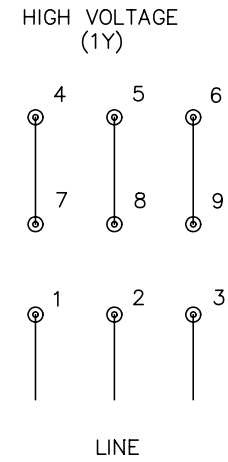
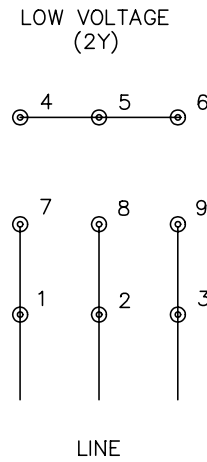
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	45.0	67.0	79.0	85.0	89.0	90.0	87.0
Efficiency:	72.3	82.2	84.4	84.8	84.3	82.8	84.5
Speed:	3575.0	3551.0	3526.0	3498.0	3466.0	3433.0	3479.0
Line Amperes:	1.03	1.25	1.55	1.91	2.31	2.79	2.15

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





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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

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