

BALDOR® • RELIANCE

Product Information Packet

M3539-TP

.5HP/1140RPM/TEFC/56

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Part Detail							
Revision:	AH	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WGZ007	CD Diagram:	
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35F512	Layout:	
Frame:	56	Mounting:	F1	Poles:	06	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	11-29-2011
Leads:	12#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1257E

CAT.NO.	M3539-TP						
SPEC.	35F512Z07						
HP	.5						
VOLTS	208-230/460						
AMP	2.5-2.4/1.2						
RPM	1140						
FRAME	56	HZ	60	PH	3		
SER.F.	1.25	CODE	L	DES	B	CL	B
NEMA-NOM-EFF	70	PF	55				
RATING	40C AMB-CONT						
CC				USABLE AT 208V	2.7		
DE	6205	ODE	6203				
ENCL	TEAO	SN					
	SFA 2.7-2.6/1.3						

Nameplate NP1088			
CAT.NO.	M3539-TP		
SPEC.	35F512Z07		
FRAME	56		
SER.			
HP	.5 TE		
VOLTS	190/380		
AMPS	2.6/1.3		
RPM	950		
HZ	50		
PH	3	CL	B
SER.F.	1.00		
DES	B	CODE	H
FL EFF	--		
PF	--		
RATING	40C AMB-CONT		
	SFA 2.7-2.6/1.3		

Parts List		
Part Number	Description	Quantity
SA024814	SA 35F512Z07	1.000 EA
RA020864	RA 35F512Z07	1.000 EA
SP1003A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
53XT0832G07	8-32X7/16 PN STD SR TY23G X	1.000 EA
35EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
RM1001A01	GROMMET (MIDSTATES#541000)	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
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
35GS1002	GASKET, 1/16 THICK LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 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
MJ1000A04	AEROSHELL #7, ORDER FROM OZARK ONLY	0.050 LB
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1118	LABEL, WARNING (ROLL LABEL)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0007	CONN.DIAGRAM (3PHASE W/THERMAL)	1.000 EA
NP1257E	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
NP1088	NP LABEL AUXILIARY NAMEPLATE-SELF STICKI	1.000 EA

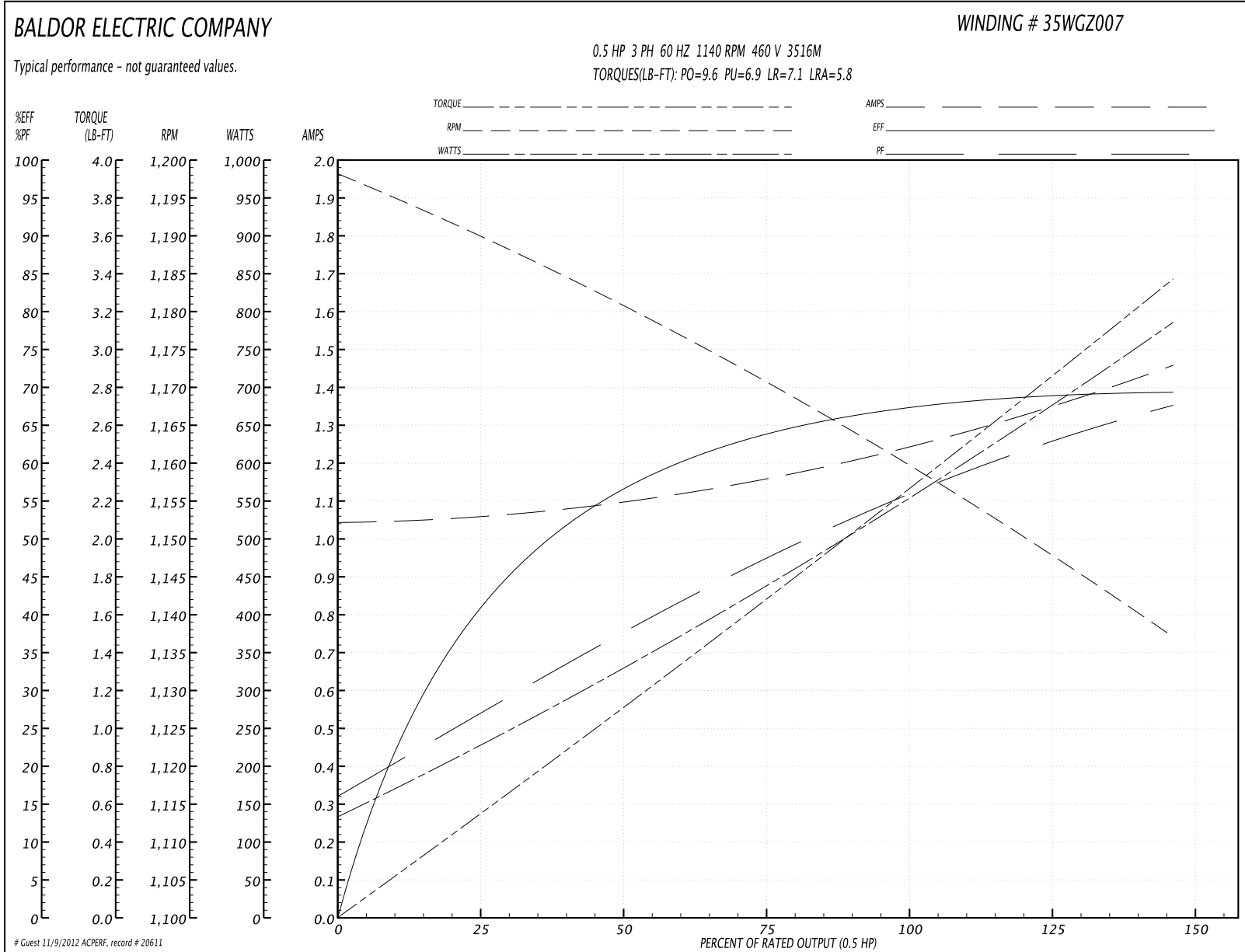
Parts List (continued)		
Part Number	Description	Quantity
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA

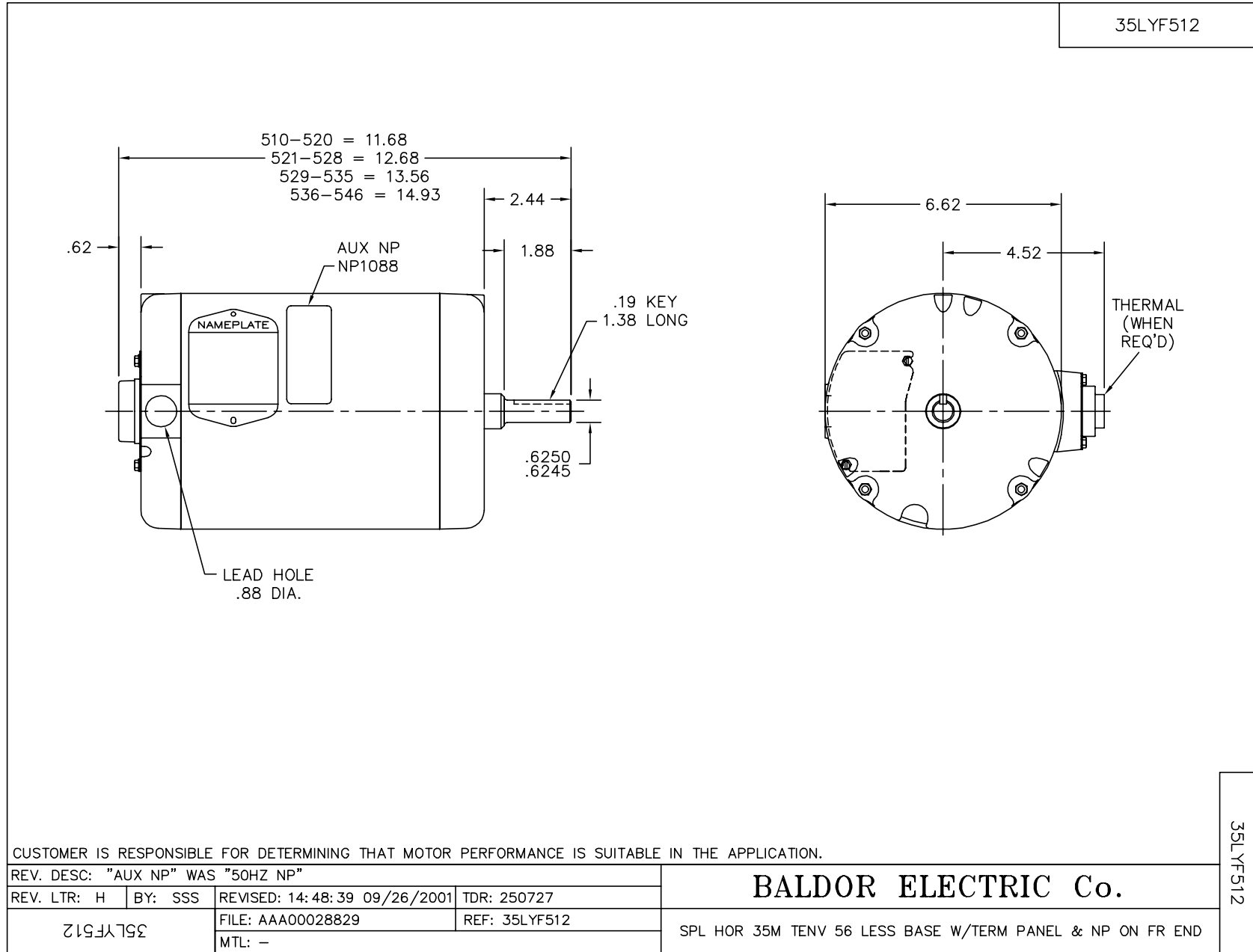
Performance Data at 460V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)

General Characteristics			
Full Load Torque:	2.25 LB-FT	Start Configuration:	DOL
No-Load Current:	1.05 Amps	Break-Down Torque:	9.6 LB-FT
Line-line Res. @ 25°C.:	37.1 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	6.9 LB-FT
Temp. Rise @ Rated Load:	47 C	Locked-Rotor Torque:	7.1 LB-FT
Temp. Rise @ S.F. Load:	52 C	Starting Current:	5.8 Amps

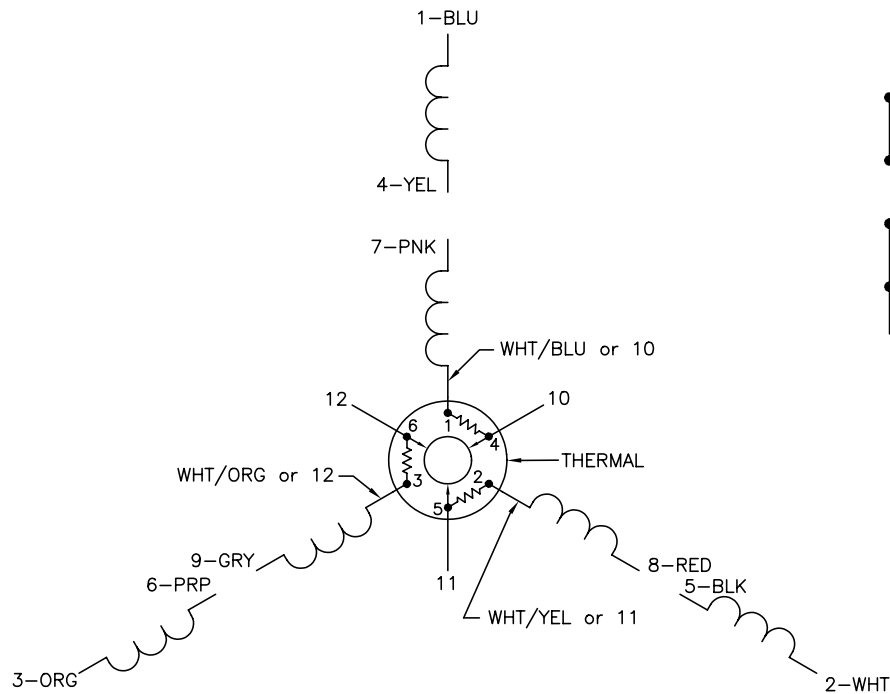
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	25.0	37.0	47.0	56.0	63.0	68.0	60.0
Efficiency:	39.0	57.0	64.0	68.0	69.0	69.0	68.6
Speed:	1190.0	1181.0	1170.0	1160.0	1149.0	1137.0	1153.0
Line Amperes:	1.05	1.1	1.15	1.25	1.35	1.45	1.31

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values

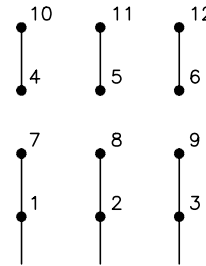




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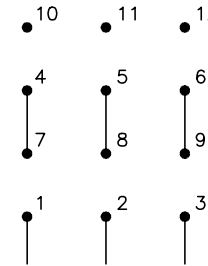


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
L00000		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS

CD0007