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BALDOR • RELIANCE

Product Information Packet

ECP83663T-4

5HP,3450RPM,3PH,60HZ,184T,0643M,TEFC,F1

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Part Detail

Revision:	W	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	0643M	**Elec. Spec:**	06WGW800	**CD Diagram:**	
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	06H759	**Layout:**	
Frame:	184T	**Mounting:**	F1	**Poles:**	02	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	10-17-2011
Leads:	3#16	**Literature:**		**Elec. Diagram:**		**Replaced By:**	

Nameplate NP2162E

CAT.NO.	ECP83663T-4						
SPEC.	06H759W800						
HP	5	**T. CODE**	T3				
VOLTS	460						
AMP	5.6						
RPM	3450						
FRAME	184T	**HZ**	60	**PH**	3		
SER.F.	1.15	**CODE**	J	**DES**	B	**CL**	F
NEMA-NOM-EFF	89.5	**PF**	93				
G.MIN.EFF	87.5	**CC**	010A				
RATING	40C AMB-CONT						
DE	6206	**ODE**	6206				
ENCL	TEFC	**SN**					

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Nameplate NP2113E			
SPEC.	06H759W800		
MOTOR WEIGHT	110 LBS		
GREASE	POLYREX EM		
MAX. KVAR	N/A		
# OF ROTOR BARS	28	# OF STATOR SLOTS	36
BLANK			
HTR-VOLTS	N/A	HTR-AMPS	N/A
MAX. SPACE HEATER TEMP.	N/A		

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Parts List

Part Number	Description	Quantity
SA123538	SA 06H759W800	1.000 EA
RA114034	RA 06H759W800	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB1001A01G	CONDUIT BOX, MACH GRAY	1.000 EA
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	2.000 EA
10XN2520G06	1/4 20X3/8 HX HD CAP, GREEN	2.000 EA
06EP1132A02G	FREP TEFC 205,GRSR,RLF,DRAIN FITTING,INR	1.000 EA
HW4601A24	INPRO SEAL, 206 BRG, VBX	1.000 EA
HW4500A32	FIT./EXT 1698-B (ALEMITE)GREASE FITTING	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	4.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4010A01	DRAIN PLUG,416 S.S.,W/ 1/4-28 THD & .076	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
06EP1132A01G	PUEP ENCL 206,BRG RET,GRSR,RLF,DRAIN FIT	1.000 EA
HW4601A24	INPRO SEAL, 206 BRG, VBX	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
HA4010A01	DRAIN PLUG,416 S.S.,W/ 1/4-28 THD & .076	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	4.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
06FH1004A01G	FAN HOUSING MACH, W/GRAY EPOXY	1.000 EA
10XN2520A20	1/4-20X 1 1/4 HEX HD X	3.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
06CB1503A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 EA
06GS1009	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
MJ5004A59	ADHESIVE LOCTITE #401 SURFACE INSENSITIV	0.010 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A01	46-665 RED SEALER	0.001 QT
MJ1000A73	INPRO P-80 ASSEMBLY LUB./ 1 QT. CONTAINE	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB1002	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
LT0019A00	MOTOR NO-LOAD PERFORMANCE DATA SHEET	1.000 EA
WD1000D21	TRM,T&B #B71M,RING,18-14,.25,NON-INSL	3.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.028 GA

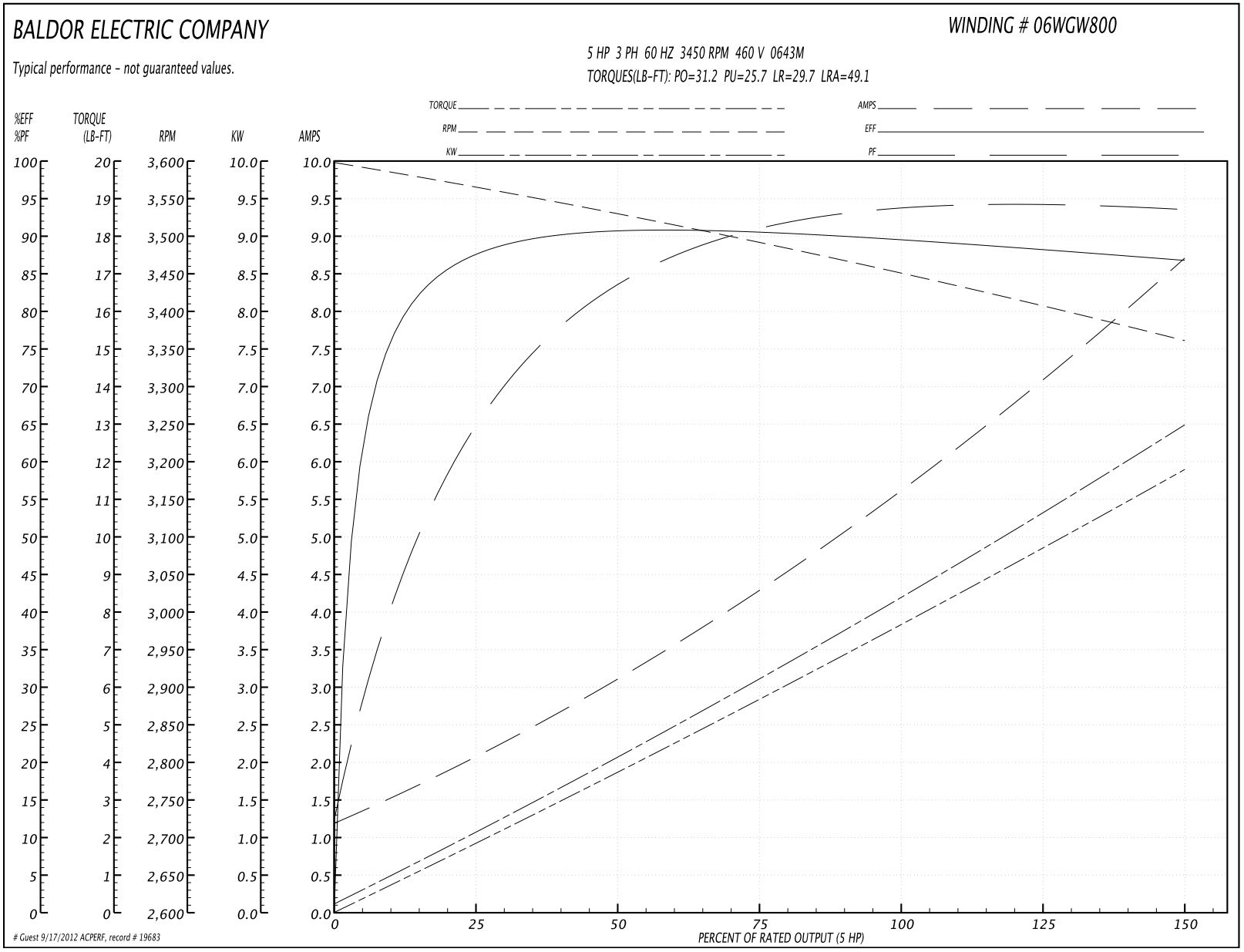
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Parts List (continued)

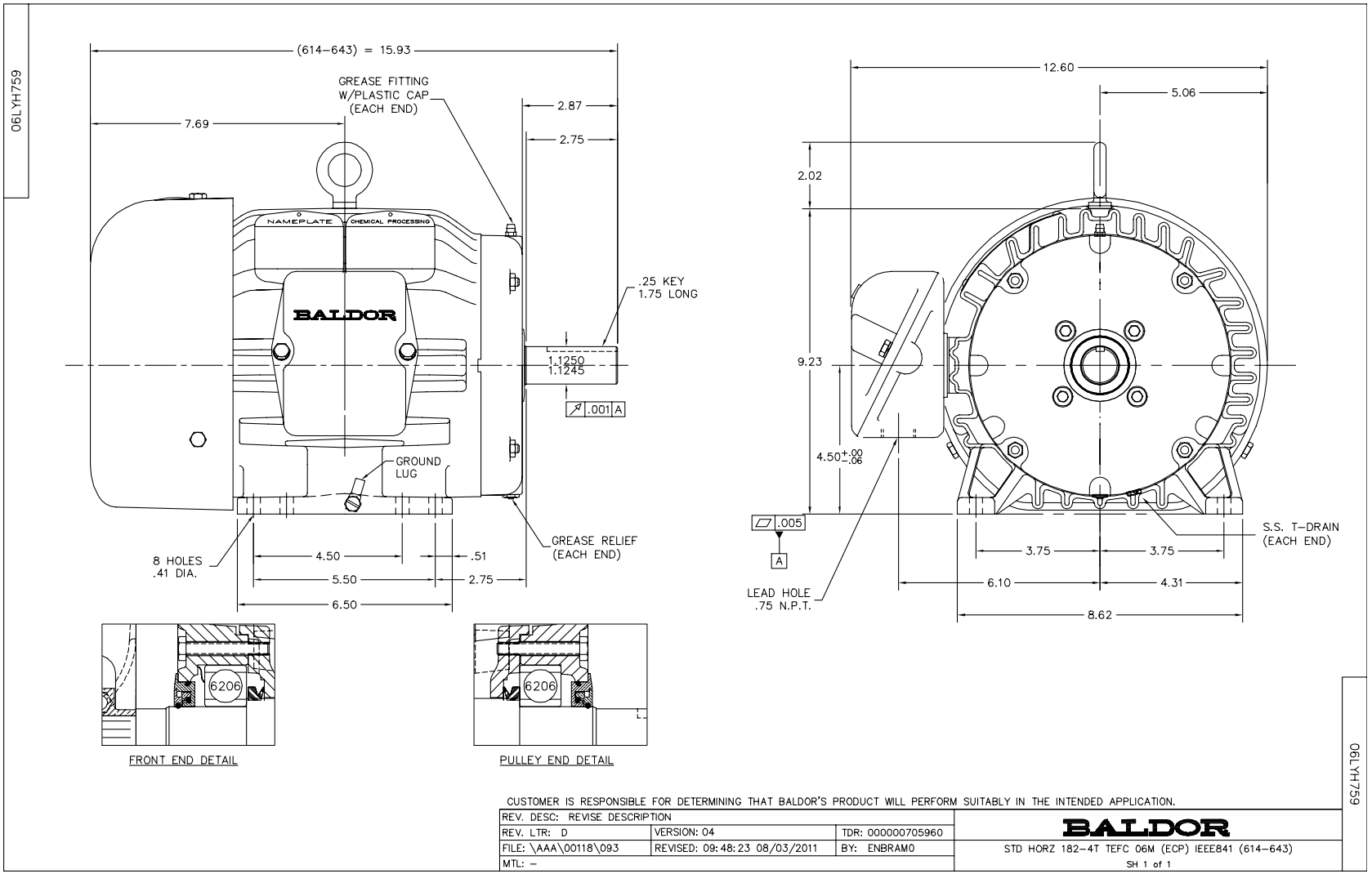
Part Number	Description	Quantity
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP2162E	SS IEEE841 DIV-2 UL CSA-C US EEV PREM	1.000 EA
NP2113E	SS IEEE841 AUX DATA INFORMATION SURFACE	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

Performance Data at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	7.57 LB-FT			**Start Configuration:**		DOL	
No-Load Current:	1.21 Amps			**Break-Down Torque:**		31.2 LB-FT	
Line-line Res. @ 25°C.:	2.44 Ohms A Ph / 0.0 Ohms B Ph			**Pull-Up Torque:**		25.7 LB-FT	
Temp. Rise @ Rated Load:	40 C			**Locked-Rotor Torque:**		29.7 LB-FT	
Temp. Rise @ S.F. Load:	51 C			**Starting Current:**		49.1 Amps	
Load Characteristics							
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor:	63.0	86.0	91.0	93.0	93.0	94.0	93.0
Efficiency:	87.0	90.8	90.8	89.9	88.2	86.5	88.9
Speed:	3565.0	3531.0	3493.0	3454.0	3409.0	3361.0	3427.0
Line Amperes:	2.08	2.96	4.25	5.55	7.16	8.62	6.52

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values



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CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REVISE DESCRIPTION		
REV. LTR: D	VERSION: 04	TDR: 000000705960
FILE: \AAA\00118\093	REVISED: 09:48:23 08/03/2011	BY: ENBRAM0
MTL: –		

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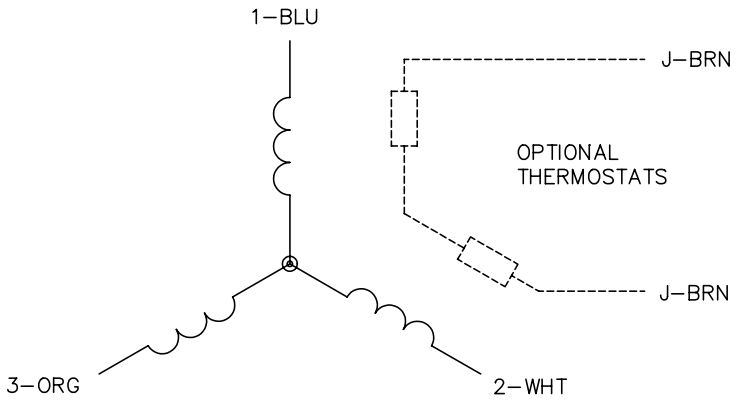
STD HORZ 182-4T TEFC 06M (ECP) IEEE841 (614-643)

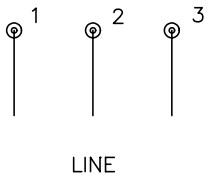
SH 1 of 1

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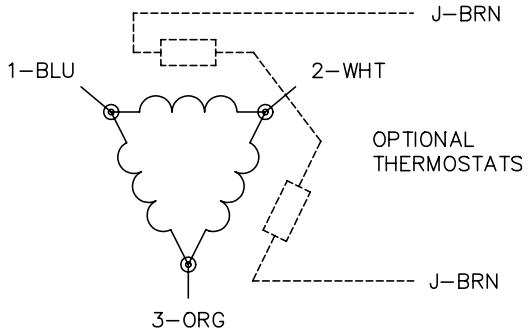
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

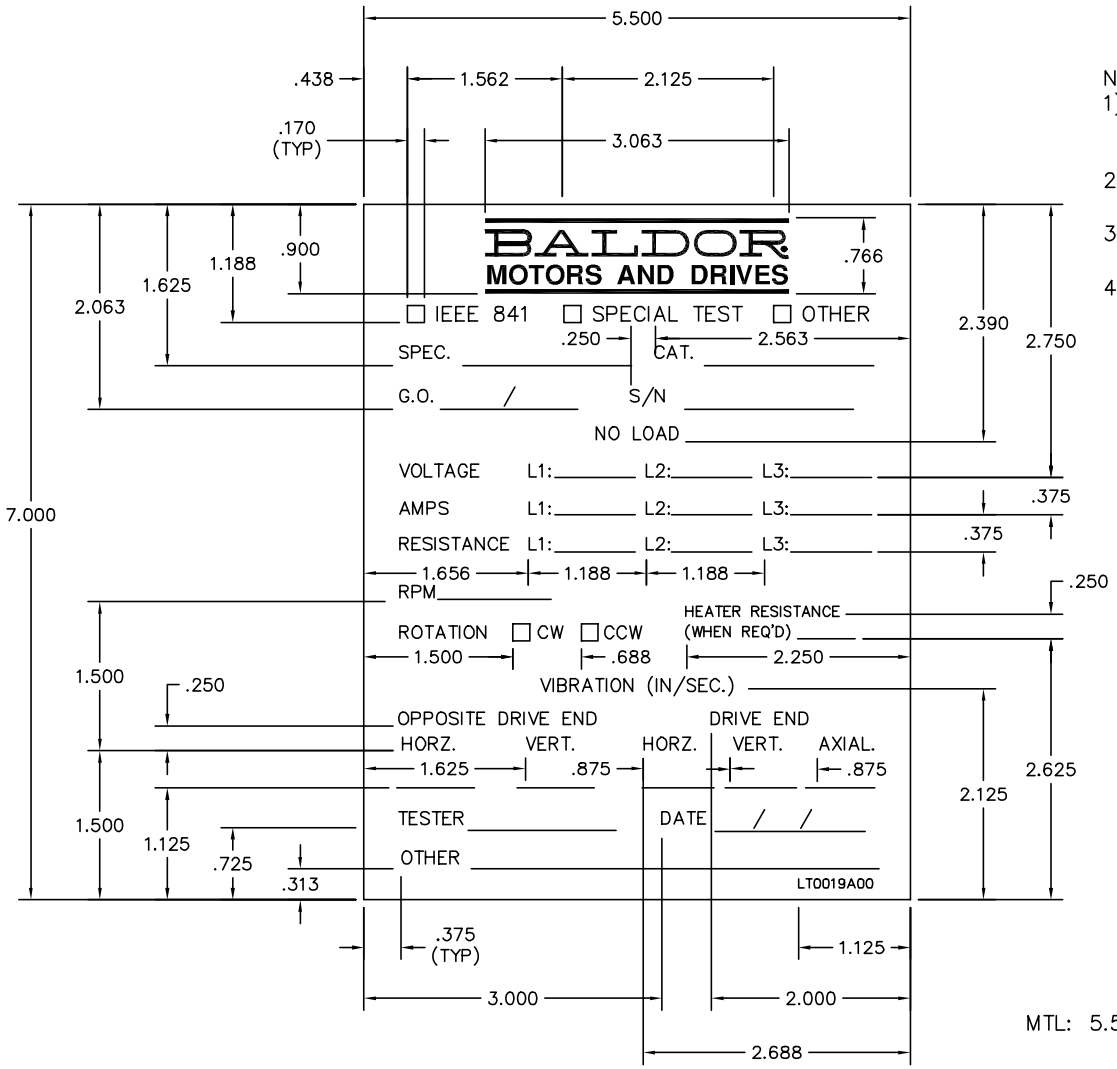
1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
9000CD		FILE: AAA00005141	MDL: –
		MTL: –	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006

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LT0019A00



NOTE:
1) BALDOR LOGO, "NO LOAD", AND "VIBRATION (IN/SEC.)" TO BE CENTERED ON PAGE.
2) "IEEE", "SPECIAL TEST", AND "OTHER" TO BE 3/16" HIGH.
3) "HEATER RESISTANCE (WHEN REQ'D)" AND "LT0019A00" TO BE 3/32" HIGH.
4) ALL OTHER LETTERING TO BE 1/8" HIGH.

MTL: 5.5" X 7" 2 PART CARBONLESS WHITE/MANILA

LT0019A00

REV. DESC: ADD DIMENSIONS AND MATERIAL INFO			BALDOR
REV. LTR: D	VERSION: 01	TDR: 000000724943	
FILE: \AAA\00070\447		REVISED: 04:02:06 08/22/2012	MOTOR NO LOAD PERFORMANCE DATA SHEET
MTL: 5.5 X 7 2 PART CARBONLESS WHITE/MANILA		BY: ENJERWO	SH 1 of 1

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