

MK Diamond Products, Inc.
 1315 Storm Parkway
 Torrance, CA 90509-2803

SPECIFICATION SHEET		Date 06/01/07																																																																	
MK Part Number 165676	MK Description MTR, 10HP 208-230/460V 3PH	Revision -																																																																	
Manufacturer P/N EM3714T	Manufacturer Description 10HP,1770RPM,3PH,60HZ,215T,3752M,TEFC,F1																																																																		
Manufacturer/Vendor Information Baldor Fort Smith, AR		Alternate Manufacturer None																																																																	
Specifications:																																																																			
BALDOR • RELIANCE Product Information Packet: EM3714T - 10HP,1770RPM,3PH,60HZ,215T,3752M,TEFC,F1																																																																			
<div style="border: 1px solid black; padding: 5px;"> <p>Nameplate NP3441LUA</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>CAT.NO.</td><td colspan="3">EM3714T</td></tr> <tr><td>SPEC</td><td colspan="3">37H244S518G3</td></tr> <tr><td>HP</td><td colspan="3">10</td></tr> <tr><td>VOLTS</td><td colspan="3">230/460</td></tr> <tr><td>AMPS</td><td colspan="3">24/12</td></tr> <tr><td>RPM</td><td colspan="3">1770</td></tr> <tr><td>FRAME</td><td>215T</td><td>HZ 60</td><td>PH 3</td></tr> <tr><td>SF</td><td>1.15</td><td>CODE K</td><td>DES A</td></tr> <tr><td>NEMA NOM. EFF</td><td>91.7</td><td>PF 85</td><td>CLASS F</td></tr> <tr><td>RATING</td><td colspan="3">40C AMB-CONT</td></tr> <tr><td>CC</td><td>D10A</td><td colspan="2">USABLE AT 208V 25.4</td></tr> <tr><td>ENCL</td><td>TEFC</td><td>SER</td><td></td></tr> <tr><td>DE</td><td>6307</td><td>ODE</td><td>6206</td></tr> <tr><td>VPWM INVERTER READY</td><td colspan="3"></td></tr> <tr><td>CT6-60H(10:1)VT3-60H(20:1)</td><td colspan="3">50Hz 10HP 190/380V 29.2/14.6A</td></tr> <tr><td></td><td></td><td></td><td>SF1.0</td></tr> </table> </div>				CAT.NO.	EM3714T			SPEC	37H244S518G3			HP	10			VOLTS	230/460			AMPS	24/12			RPM	1770			FRAME	215T	HZ 60	PH 3	SF	1.15	CODE K	DES A	NEMA NOM. EFF	91.7	PF 85	CLASS F	RATING	40C AMB-CONT			CC	D10A	USABLE AT 208V 25.4		ENCL	TEFC	SER		DE	6307	ODE	6206	VPWM INVERTER READY				CT6-60H(10:1)VT3-60H(20:1)	50Hz 10HP 190/380V 29.2/14.6A						SF1.0
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-	Initial Release, ECO#1335	06/01/07	JRJ																																																																
-	BALDOR P/N WAS M3714T, NO ECO	10/24/18	SSH																																																																



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Product Information Packet

EM3714T

10HP, 1770RPM, 3PH, 60HZ, 215T, 3752M, TEFC, F1

Part Detail										
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No			
Type:	AC	Prod. Type:	3752M	Elec. Spec:	37WGS518	CD Diagram:				
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H244	Layout:				
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	06-30-2010			
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-16-2011			
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:				
Nameplate NP1259L										
CAT.NO.	EM3714T									
SPEC.	37H244S518G3									
HP	10									
VOLTS	208-230/460									
AMP	25.4-24/12									
RPM	1770									
FRAME	215T	HZ	60	PH	3					
SER.F.	1.15	CODE	K	DES	A	CL	F			
NEMA-NOM-EFF	91.7	PF	85							
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6307	ODE	6206							
ENCL	TEFC	SN								

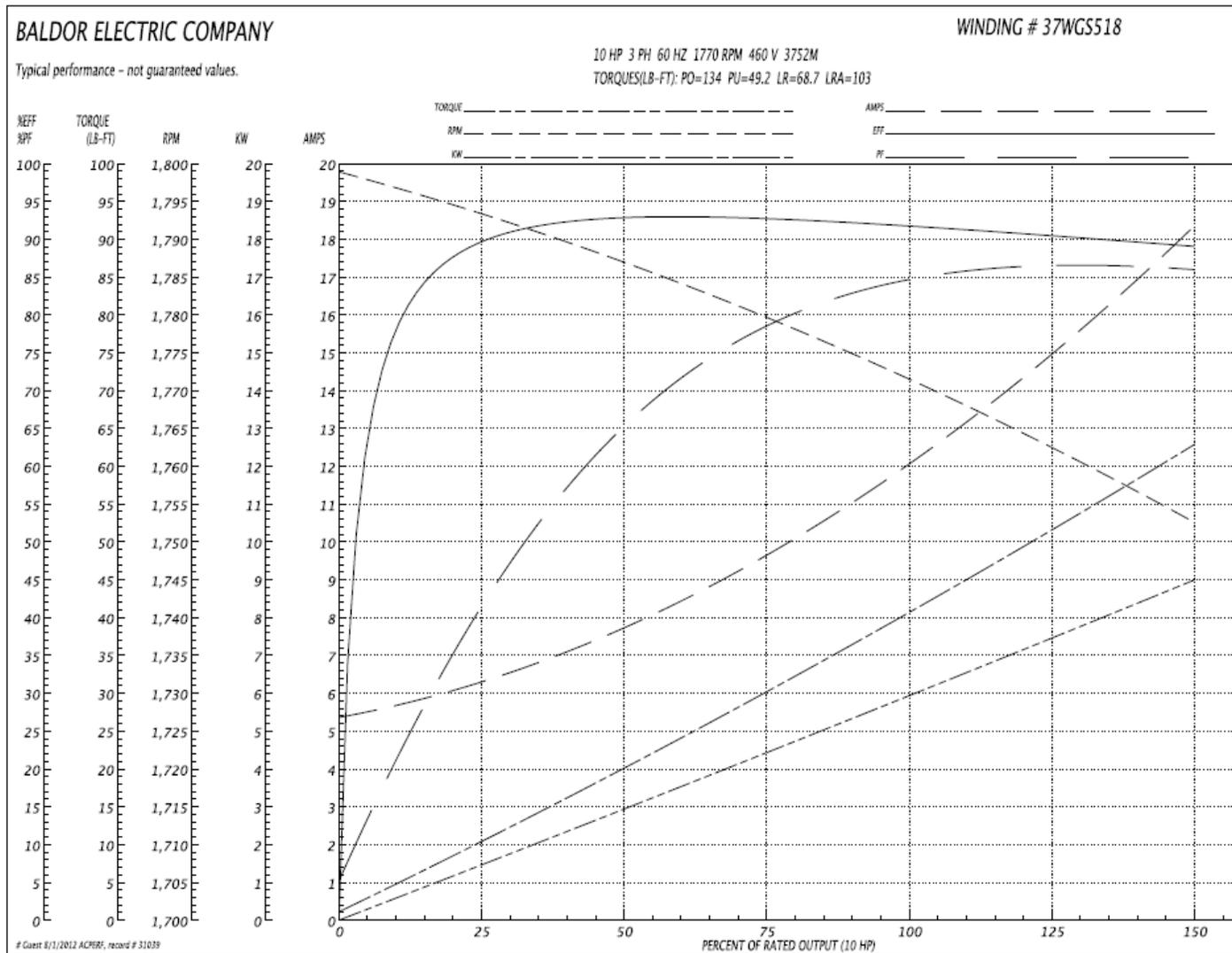
Parts List		
Part Number	Description	Quantity
SA199522	SA 37H244S518G3	1.000 EA
RA186854	RA 37H244S518G3	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01SP	FR ENDPLATE,TEFC, 37 L&M, W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100A01SP	STD PU ENDPLATE, ENCL,37 "T"-307 BRG, W/	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA

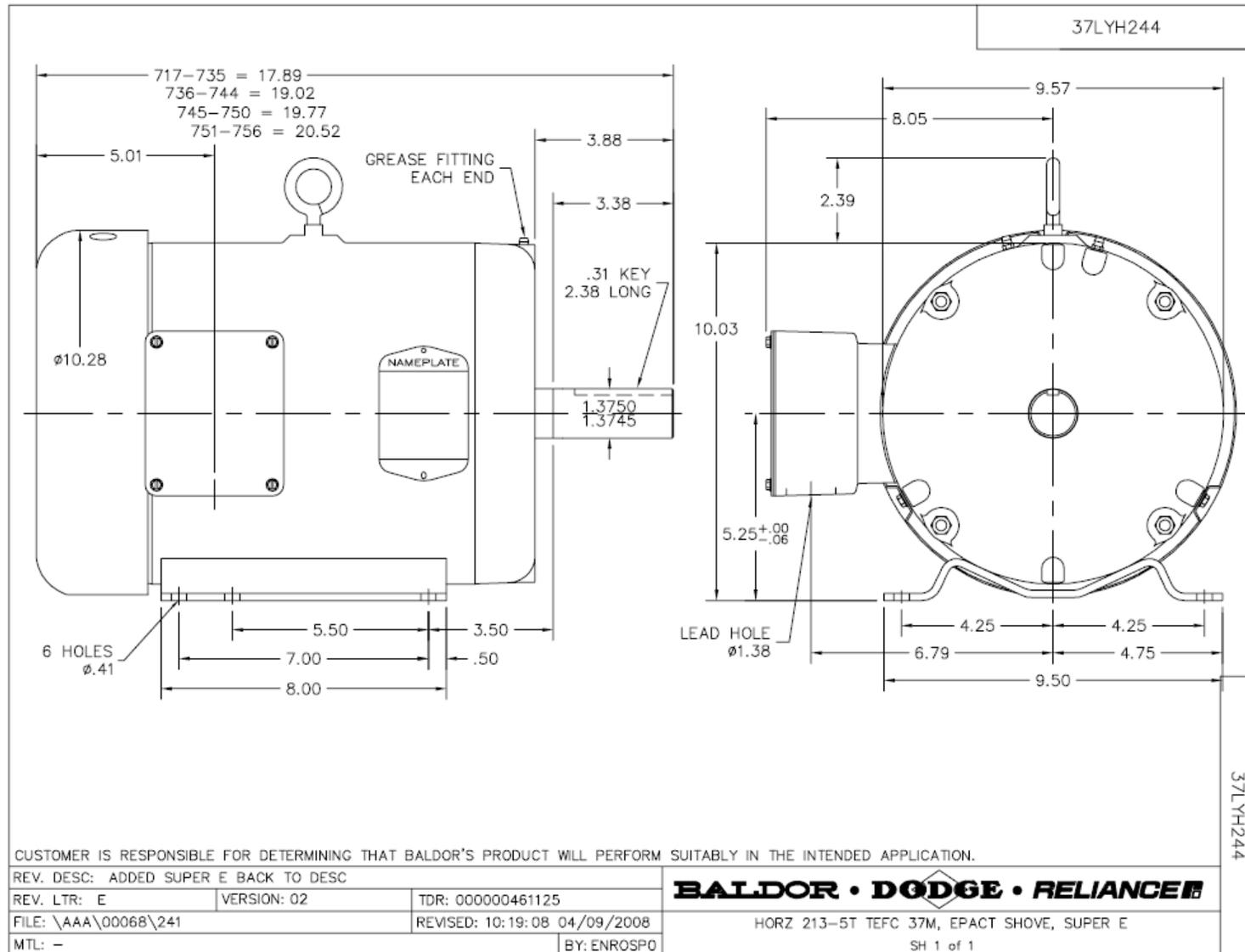
Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.028 GA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LB1125C02	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
37PA1052	PACKAGING GROUP, 150 LB MTR 2 X 4 RUNNER	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

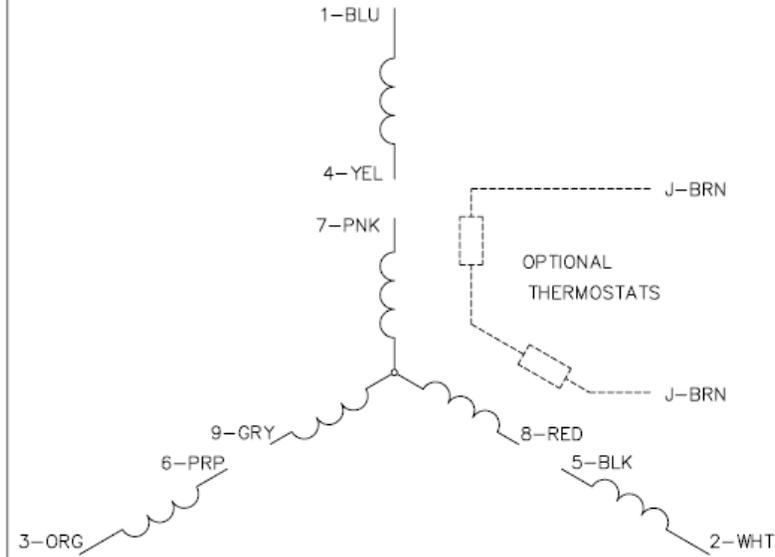
Performance Data at 460V, 60Hz, 10.0HP (Typical performance - Not guaranteed values)							
General Characteristics							
Full Load Torque:	29.5 LB-FT			Start Configuration:	DOL		
No-Load Current:	5.49 Amps			Break-Down Torque:	134.0 LB-FT		
Line-line Res. @ 25°C.:	0.93503 Ohms A Ph / 0.0 Ohms B Ph			Pull-Up Torque:	49.2 LB-FT		
Temp. Rise @ Rated Load:	63 C			Locked-Rotor Torque:	68.7 LB-FT		
Temp. Rise @ S.F. Load:	81 C			Starting Current:	103.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	42.0	66.0	79.0	85.0	84.0	87.0	84.0
Efficiency:	88.9	92.1	92.4	91.8	90.3	89.0	90.9
Speed:	1793.9	1786.8	1779.7	1771.8	1762.7	1752.5	1766.0
Line Amperes:	6.14	7.63	9.58	11.9	15.4	18.1	14.0

Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values

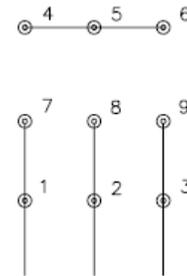




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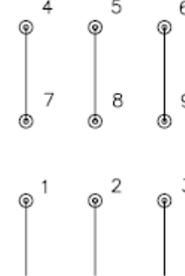


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. 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
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

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