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Product Information Packet

EHM3714T

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

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Part Detail							
Revision:	G	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3752M	**Elec. Spec:**	37WGS518	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	37J543	**Layout:**	37LYJ543
Frame:	215T	**Mounting:**	F1	**Poles:**	04	**Created Date:**	12-09-2011
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	06-28-2013
Leads:	9#14					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP2094E06B03								
CAT.NO.	EHM3714T							
SPEC.	37J543S518G1							
HP	10							
VOLTS	208-230/460							
AMPS	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					
AUTO	N	MANUAL	N	NONE	Y			
ENCL	TEFC	SN						
BLANK								

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Parts List

Part Number	Description	Quantity
SA236133	SA 37J543S518G1	1.000 EA
RA223081	RA 37J543S518G1	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 & CK PLTS	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
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100B20	PUEP ENCL "T"-307 BRG, W/GRSR	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	2.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 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

Parts List (continued)

Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

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AC Induction Motor Performance Data

Record # 31039 - Typical performance - not guaranteed values

Winding: 37WGS518-R002	**Type:** 3752M	**Enclosure:** TEFC

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.5 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	25.4-24/12			Breakdown Torque	134 LB-FT
R.P.M.	1770			Pull-up Torque	49.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	68.7 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	103 A
Service Factor (S.F.)	1.15			No-load Current	5.49 A
NEMA Nom. Eff.	91.7	Power Factor	85	Line-line Res. @ 25ºC	0.93503 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	81°C
				Rotor inertia	1.28 LF²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	66	79	85	84	87	84
Efficiency	88.9	92.1	92.4	91.8	90.3	89	90.9
Speed	1793.9	1786.8	1779.7	1771.8	1762.7	1752.5	1766
Line amperes	6.14	7.63	9.58	11.9	15.4	18.1	14

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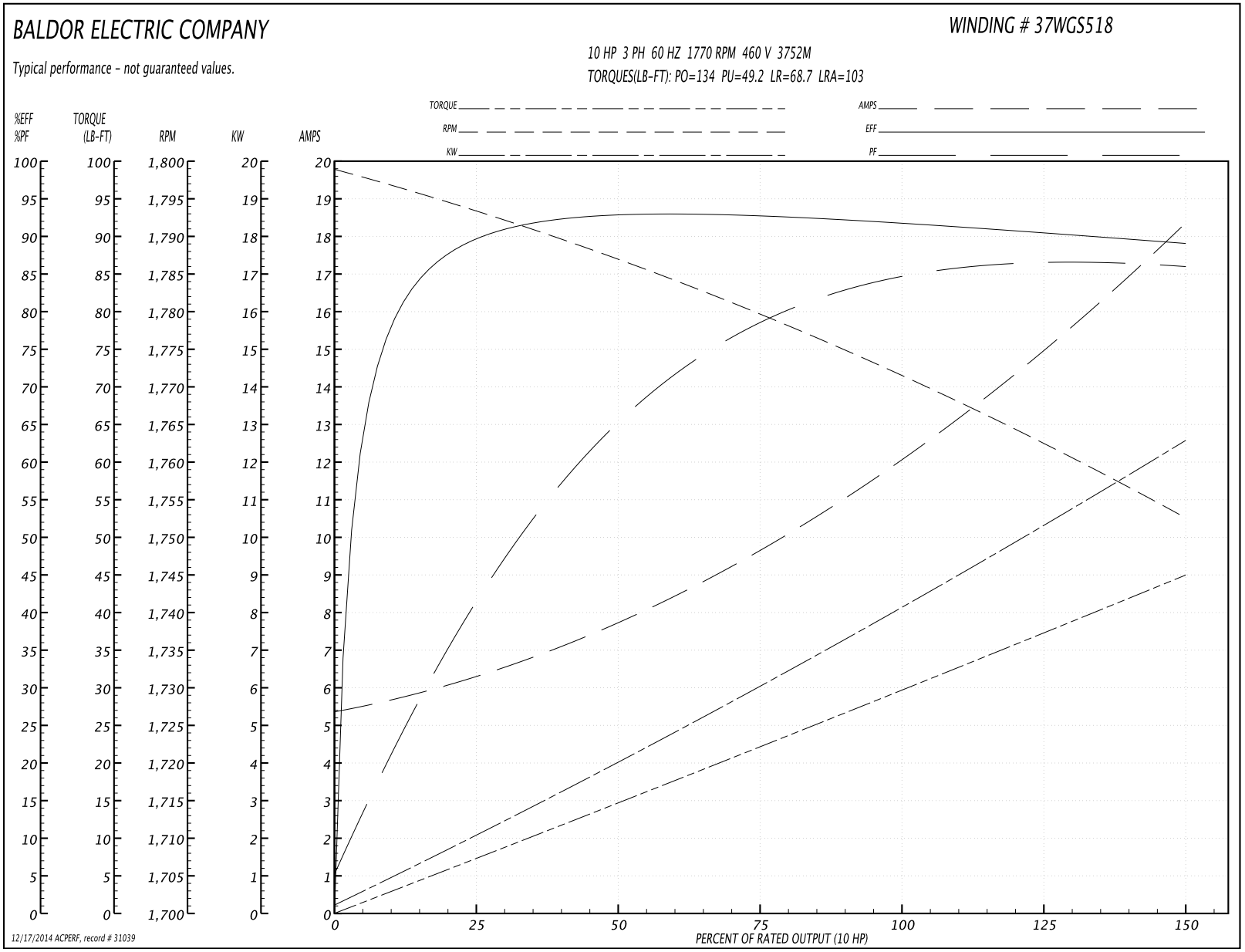
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



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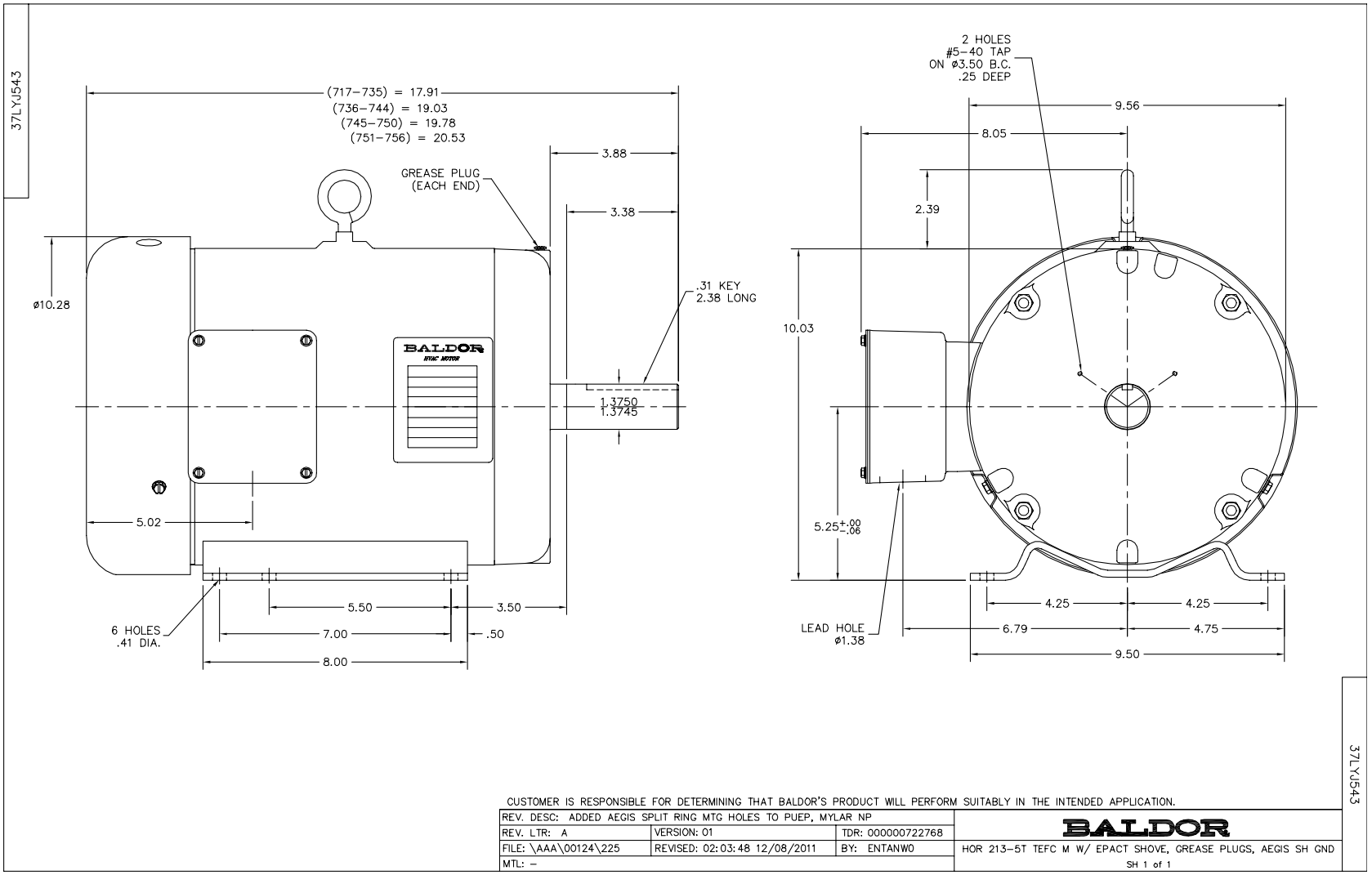

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADDED AEGIS SPLIT RING MTG HOLES TO PUEP, MYLAR NP		
REV. LTR: A	VERSION: 01	TDR: 000000722768
FILE: \AAA\00124\225	REVISED: 02:03:48 12/08/2011	BY: ENTANWO
MTL: –		

BALDOR

HOR 213–5T TEFC M W/ EPACT SHOVE, GREASE PLUGS, AEGIS SH GND

SH 1 of 1

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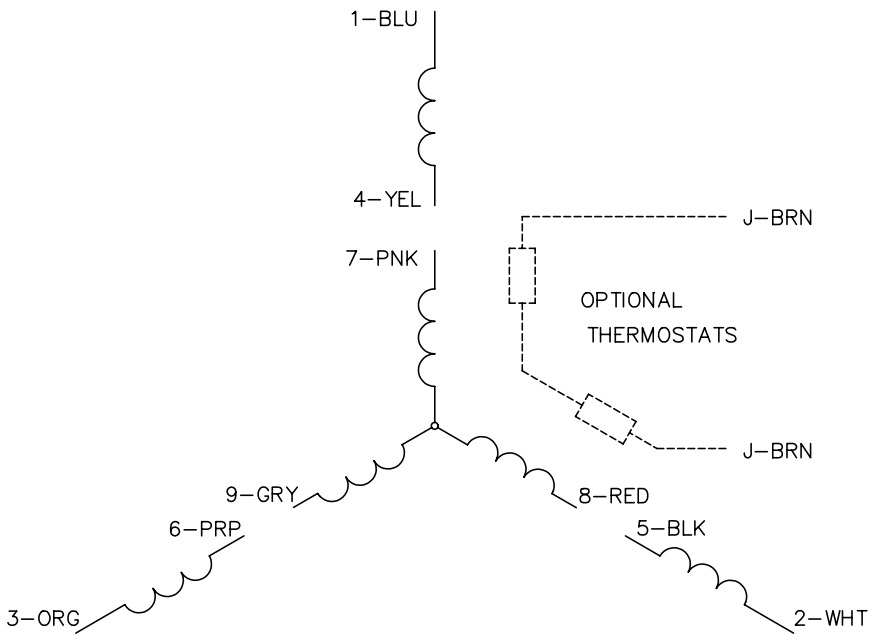
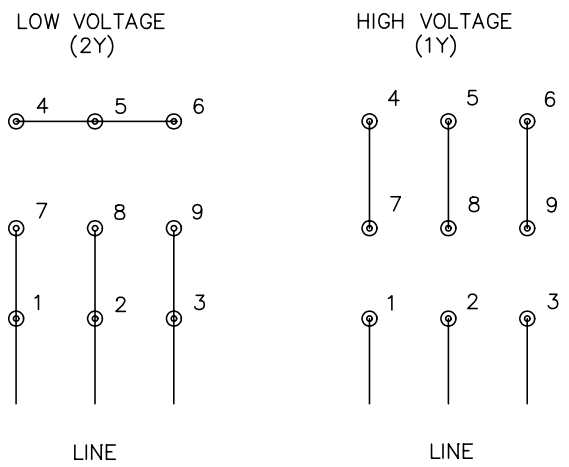
CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

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