

BALDOR® • RELIANCE

Product Information Packet

EMM3714

7.5KW,1770RPM,3PH,60HZ,D132M,3752M,TEFC

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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:	37E617	Layout:	
Frame:	D132M	Mounting:	B3	Poles:	04	Created Date:	04-26-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	03-15-2012
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:	
Nameplate NP1159L							
CAT.NO.		EMM3714					
SPEC.		37E617S518G1					
IEC FRAME		D132M			KW		7.5KW
VOLTS		208-230/460					
AMP		25.4-24/12					
RPM		1770			ENCL		TEFC
HZ		60			PH		3CLF
SER.F.		1.15			DES		A CODEK
NEMA-NOM-EFF		91.7			I.P.		54
RATING		40C AMB-CONT					
CC		010A			USABLE AT 208V		
DE		6208			ODE		6206
SER. #							
		10 HP					

Parts List		
Part Number	Description	Quantity
SA194070	SA 37E617S518G1	1.000 EA
RA181662	RA 37E617S518G1	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
37CB3004	37 CB CASTING W/1.09 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
37EP3100A11	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	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
HA1005A12SP	SLINGER, OD 2.50, ID 1.433, 208 BRG	1.000 EA
HW2505B19	KEY, 8 X 10 MM X 2.125 IN	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1115	LABEL,LIFTING DEVICE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.028 GA
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	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
NP1159L	SS SUPER-E IEC UL CSA CC	1.000 EA
37PA1052	PACKAGING GROUP, 150 LB MTR 2 X 4 RUNNER	1.000 EA

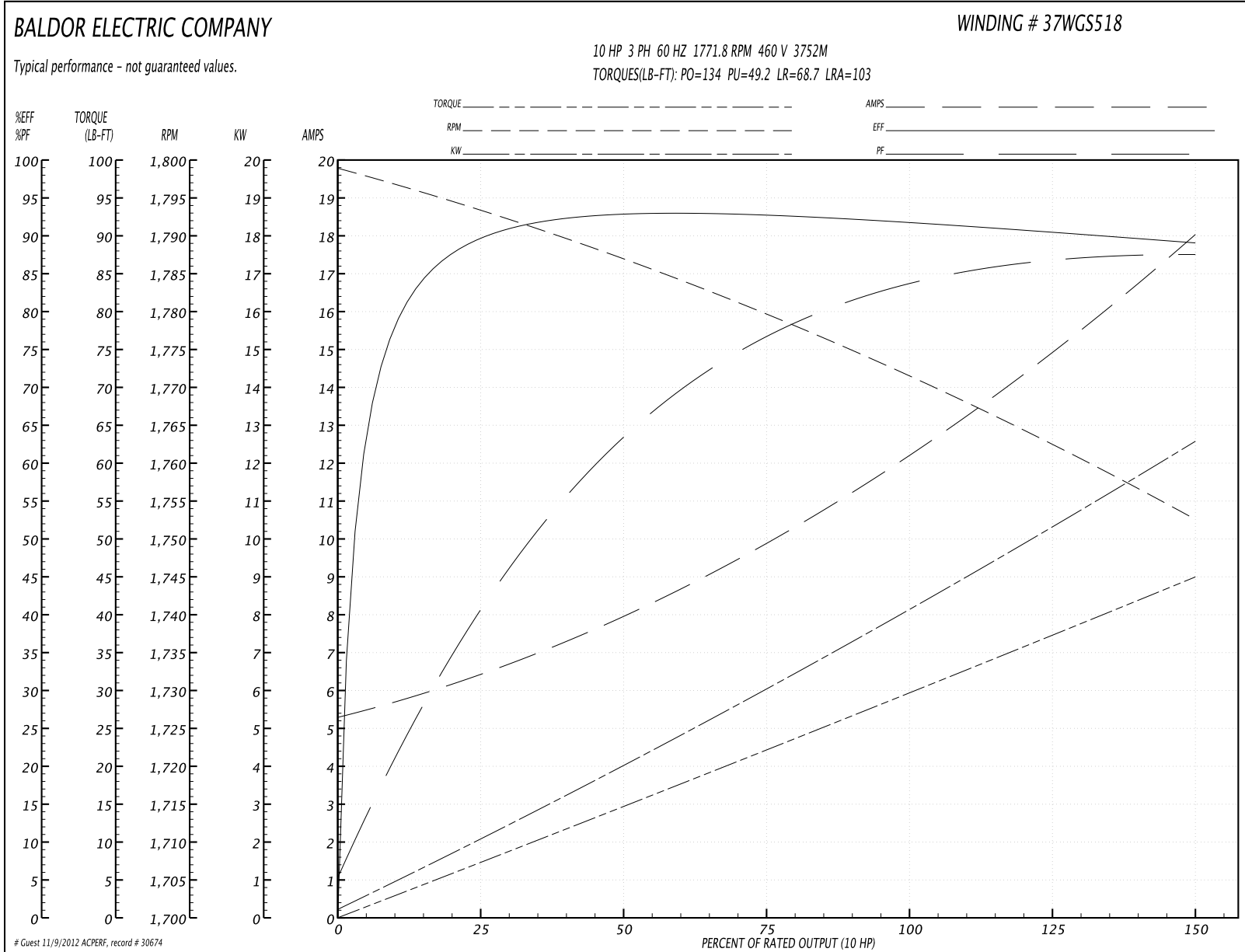
Performance Data at 460V, 60Hz, 10.0HP (Typical performance - Not guaranteed values)**General Characteristics**

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	7.8	9.9	12.3	15.0	17.9	13.9

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



Performance Data at 380V, 50Hz, 7.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		26.6 LB-FT		Start Configuration:		DOL	
No-Load Current:		5.4 Amps		Break-Down Torque:		128.0 LB-FT	
Line-line Res. @ 25°C.:		0.912 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		50.9 LB-FT	
Temp. Rise @ Rated Load:		56 C		Locked-Rotor Torque:		71.0 LB-FT	
Temp. Rise @ S.F. Load:		68 C		Starting Current:		100.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	40.0	63.0	77.0	84.0	83.0	87.0	83.0
Efficiency:	88.0	92.3	92.3	91.7	90.3	88.4	90.9
Speed:	1494.0	1488.0	1482.0	1474.0	1466.0	1457.0	1469.0
Line Amperes:	5.93	7.22	8.93	11.0	14.1	16.6	12.9

Performance Graph at 380V, 50Hz, 7.5HP Typical performance - Not guaranteed values

