

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **EWDM3714T**

**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:	37H451	Layout:			
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	04-29-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-17-2013		
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1669L									
CAT.NO.	EWDM3714T								
SPEC.	37H451S518G1								
HP	10								
VOLTS	230/460								
AMP	24/12								
RPM	1770								
FRAME	215T	HZ	60	PH	3				
SER.F.	1.15	CODE	K	DES	A	CLASS	F		
NEMA-NOM-EFF	91.7	PF	85						
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE	6206						
ENCL	TEFC	SN							
BLANK									

Parts List		
Part Number	Description	Quantity
SA194360	SA 37H451S518G1	1.000 EA
RA181950	RA 37H451S518G1	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
37CB3005A04W	CASTING W/.75 NPT @6(MACH WHITE)	1.000 EA
37GS1015	GASKET, FOR 37 WD KOBX'S (SANTOPRENE)	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
37EP3101A94MW	FRONT TEFC L&M 206 BRG W/O GRSR (WHITE)	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100A20MW	FRONT ENDPLATE, MACHINED W/WHITE EPOXY	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B51SP	SEAL 1.375 X 2.125 X 0.313 SINGLE LIP DB	1.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4011	WASHDOWN IEC FH W/AUTOPHORETIC PRIMER	1.000 EA
11XW1032S06	SCREW, HXWSHR HD SLDTYF 410 SS	3.000 EA
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 EA
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW4600B74	FORSHEDA V28A V-RING SEAL	1.000 EA
HW4600B31SP	V-RING SLINGER #V38A,1.42/1.50 SH BORE	1.000 EA

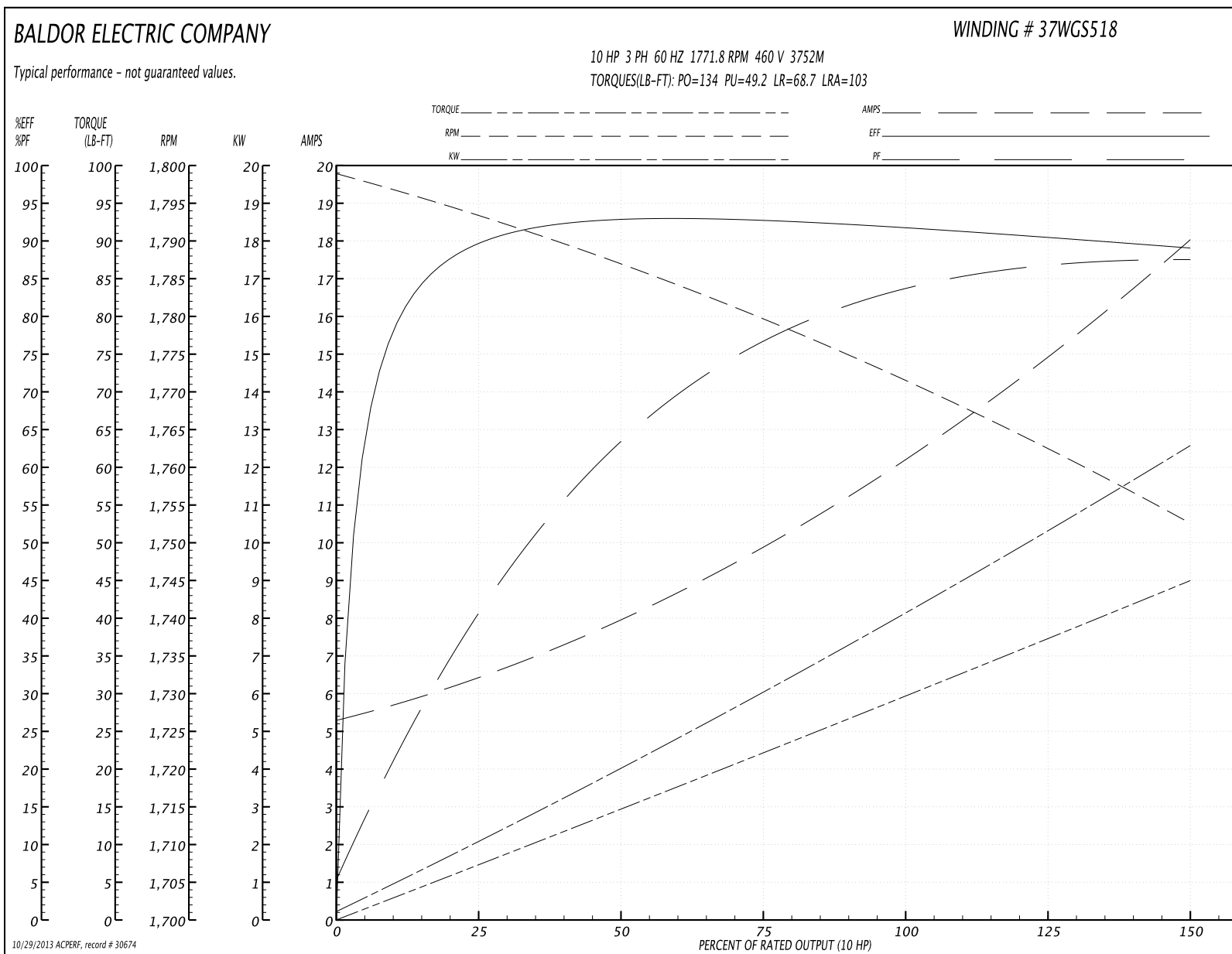
Parts List (continued)		
Part Number	Description	Quantity
HW2502F21	#303 SS,SQ KEY 5/16 X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A01	46-665 RED SEALER	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAS 060-02	0.010 GA
MG1025W01	PAINT- 781-01 WILKOFAS WHITE EPOXY	0.028 GA
HA3104S25	THRUBOLT-5/16-18X14.75 SS	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
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	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

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	7.8	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

