

BALDOR® • RELIANCE

Product Information Packet

CEWDM3714T

10HP,1770RPM,3PH,60HZ,215TC,3752M,TEFC,F

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3752M	Elec. Spec:	37WGS518	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H887	Layout:	37LYH887
Frame:	215TC	Mounting:	F1	Poles:	04	Created Date:	05-19-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-14-2014
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669L									
CAT.NO.	CEWDM3714T								
SPEC.	37H887S518G1								
HP	10								
VOLTS	230/460								
AMP	24/12								
RPM	1770								
FRAME	215TC	HZ			60	PH		3	
SER.F.	1.15	CODE			K	DES		A	CLASS
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
SA197050	SA 37H887S518G1	1.000 EA
RA184488	RA 37H887S518G1	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
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
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A94MW	FRONT TEFC L&M 206 BRG W/O GRSSR (WHITE)	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3300A23MW	WHITE EPOXY EP MACH COMPL	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
10XN2520S30	1/4-20 X 1 7/8 HEX HEAD SS	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
07FH4011	WASHDOWN IEC FH W/AUTOPHORETIC PRIMER	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
HW4600B74	FORSHEDA V28A V-RING SEAL	1.000 EA
HW4600B31SP	V-RING SLINGER #V38A,1.42/1.50 SH BORE	1.000 EA
37CB4512	CONDUIT BOX LID FOR WASHDOWN 37 FRAME	1.000 EA
37GS1008A02	37 GS FOR CB LID - WHITE NEOPRENE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
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
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025Z02	ACTIVATOR WILKOFAS 060-02	0.010 GA
MG1025W01	RAL9003, SIGNAL WHITE, GLOSS 85	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
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 30674 - Typical performance - not guaranteed values

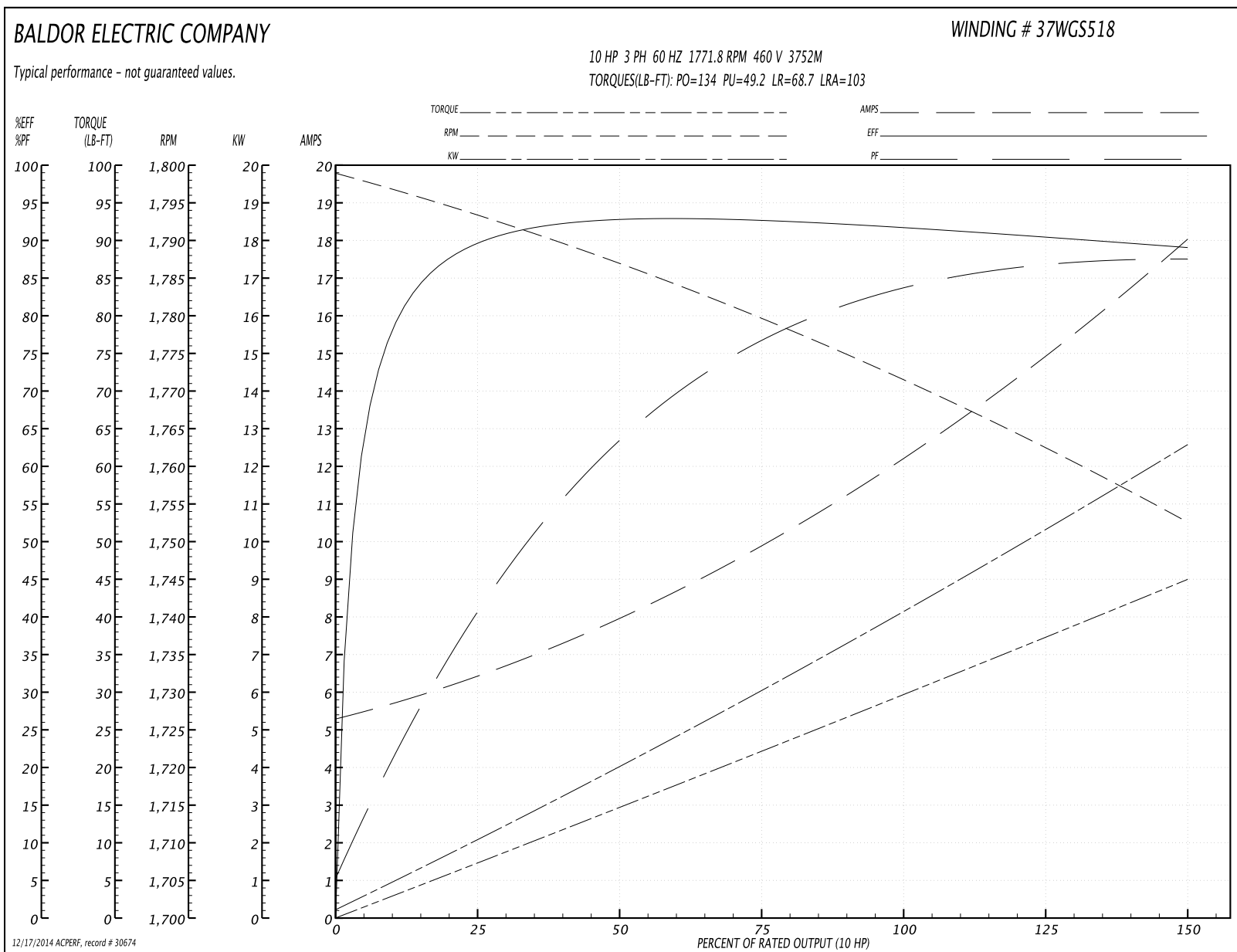
Winding: 37WGS518-R001	Type: 3752M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10//7.5			Full Load Torque	29.45 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	24/12//22/11			Breakdown Torque	134 LB-FT
R.P.M.	1770//1475			Pull-up Torque	49.2 LB-FT
Hz	60//50	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. @ 25°C	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 LF ²

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	7.8	9.9	12.3	15	17.9	13.9

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



AC Induction Motor Performance Data

Record # 30675 - Typical performance - not guaranteed values

Winding: 37WGS518-R001	Type: 3752M	Enclosure: TEFC
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Nameplate Data				380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	10//7.5			Full Load Torque	26.6 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	24/12//22/11			Breakdown Torque	128 LB-FT
R.P.M.	1770//1475			Pull-up Torque	50.9 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	71 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	100 A
Service Factor (S.F.)	1.15			No-load Current	5.4 A
NEMA Nom. Eff.	91.7	Power Factor	85	Line-line Res. @ 25°C	0.912 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps				Temp. Rise @ S.F. Load	68°C
				Rotor inertia	1.28 LF ²

Load Characteristics 380 V, 50 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	63	77	84	83	87	83
Efficiency	88	92.3	92.3	91.7	90.3	88.4	90.9
Speed	1494	1488	1482	1474	1466	1457	1469
Line amperes	5.93	7.22	8.93	11	14.1	16.6	12.9

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

