

BALDOR® • RELIANCE

Product Information Packet

M3714T-9

10HP,1765RPM,3PH,60HZ,215T,3741M,TEFC,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3741M	Elec. Spec:	37WGT852	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37N527	Layout:	37LYN527
Frame:	215T	Mounting:	F1	Poles:	04	Created Date:	07-24-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-12-2014
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1261L									
CAT.NO.	M3714T-9								
SPEC.	37N527T852H1								
HP	10								
VOLTS	230/460								
AMP	27.8/13.9								
RPM	1765								
FRAME	215T	HZ			60	PH	3		
SER.F.	1.15	CODE			J	DES	C	CLASS	F
NEMA-NOM-EFF	89.5	PF			75				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA284914	SA 37N527T852H1	1.000 EA
RA271173	RA 37N527T852H1	1.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3005A04	37 CB .75 NPT @ 6:00	1.000 EA
37GS1002	1/8" NEOPRENE GASKET, CONDUIT BOX	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
37EP3101C12	FREP TEFC L&M W/GRSR,REL,SLINGER, DRAIN	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100B12	PUEP 307 BRG W/GREASER,RELIEF,.125	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	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
37GS1008A01	37 GS FOR CB LID - BLACK NEOPRENE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X 0.240	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4600B31SP	V-RING SLINGER #V38A,1.42/1.50 SH BORE	1.000 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
MJ5001A27	32220KN GRAY SEALER	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.028 GA
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
NP1261L	SS, UL CSA CC, W/O THERMAL, LASER	1.000 EA
G0PA1000	SPCL PACKAGING	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

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

AC Induction Motor Performance Data

Record # 37308 - Typical performance - not guaranteed values

Winding: 37WGT852-R002	Type: 3741M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	27.8/13.9			Breakdown Torque	115 LB-FT
R.P.M.	1765			Pull-up Torque	59 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	88.5 LB-FT
NEMA Design Code	C	KVA Code	J	Starting Current	85.8 A
Service Factor (S.F.)	1.15			No-load Current	7.37 A
NEMA Nom. Eff.	89.5	Power Factor	75	Line-line Res. @ 25°C	0.85 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C
S.F. Amps				Temp. Rise @ S.F. Load	94°C
				Rotor inertia	1.01 LF ²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	57	69	75	78	80	77
Efficiency	81.6	87.9	89.7	89.4	88.8	88	89
Speed	1792	1784	1775	1765	1754	1743	1758
Line amperes	7.83	9.35	11.4	13.9	16.7	19.8	15.6

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





