

BALDOR® • RELIANCE

Product Information Packet

M2513T

15HP,1760RPM,3PH,60HZ,254T,3748M,OPSB,F1

Part Detail							
Revision:	J	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3748M	Elec. Spec:	37WGT867	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	37F599	Layout:	37LYF599
Frame:	254T	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-30-2009
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M2513T									
SPEC.	37F599T867H1									
HP	15									
VOLTS	208-230/460									
AMP	41-38/19									
RPM	1760									
FRAME	254T	HZ			60	PH		3		
SER.F.	1.15	CODE			J	DES		A	CLASS	F
NEMA-NOM-EFF	91	PF			81					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6309	ODE			6206					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA114971	SA 37F599T867H1	1.000 EA
RA106070	RA 37F599T867H1	1.000 EA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
HA6429	KO BOX ADAPTER REXITE	1.000 EA
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
37EP3200A01SP	FR ENDPLATE, 37L&M, OPEN, MACH, W/GREASE	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3202A01	STD PULLEY EP MODEL 37 OPEN 309 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A24T	THRUBOLT .31-18 X 14.375 W/SHRINK TUBING	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
37AD2001A01	BAFFLE PLATE, STAMPED	2.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1402	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 16633 - Typical performance - not guaranteed values

Winding: 37WGT867-R002	Type: 3748M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	44.67 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	41-38/19			Breakdown Torque	187.4 LB-FT
R.P.M.	1760			Pull-up Torque	63.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	90.4 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	135.7 A
Service Factor (S.F.)	1.15			No-load Current	8.45 A
NEMA Nom. Eff.	91	Power Factor	81	Line-line Res. @ 25°C	0.695 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	64°C
				Rotor inertia	1.18 LF ²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	75	81	83	83	82
Efficiency	86.4	90.8	91.5	91	90	88.6	90.4
Speed	1791	1782	1773	1763	1752	1740	1756
Line amperes	9.73	12.12	15.3	19	23.57	28.66	21.7

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values





