

BALDOR® • RELIANCE

Product Information Packet

EJMM2539T

40HP,1770RPM,3PH,60HZ,324JM,4064M,OPSB,F

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Part Detail									
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4064M	Elec. Spec:	40WGX166	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40E214	Layout:			
Frame:	324JM	Mounting:	F1	Poles:	04	Created Date:	05-24-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-03-2012		
Leads:	9#8	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2138L									
CAT.NO.	EJMM2539T	P/N		ENCLOSURE			OPSB		
SPEC.	40E214X166G1	CC	010A	FRAME			324JM	S/N	
HP	40	CLASS	F	HZ			60		
RPM	1770	PH	3	DES			A		
VOLT	230/460	KVA-CODE	H	ODE BRG			6309	DE BRG	6312
AMP	98/49	USABLE AT 208V	99						
RATING	40C AMB-CONT	GREASE	POLYREX EM						
NEMA-NOM-EFF	94.1	PF	82	SER.F.			1.15		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.					

Parts List		
Part Number	Description	Quantity
SA196999	SA 40E214X166G1	1.000 EA
RA184438	RA 40E214X166G1	1.000 EA
S/P107-000-006	SUPER-E(284 FR. & UP)-ZK PLANT,POLYREX E	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6017A01	CAST ADAPTOR	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	KPA-4C BURNDY TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HA1166A02	RODENT SCREEN FOR 40 ENDPLATE 40EP1300A.	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP1401A02	FR ENDPLATE, MACH OPEN NEMA 324-6T W/SCR	1.000 EA
HA1166A02	RODENT SCREEN FOR 40 ENDPLATE 40EP1300A.	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
10XN3118K40	5/16-18 X 2.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW2501E22	KEY, 1/4 SQ X 2.500	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA3154A06	THRUBOLT STUD 3/8-16 X 19.500	4.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

Performance Data at 460V, 60Hz, 40.0HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		119.0 LB-FT		Start Configuration:		DOL	
No-Load Current:		21.1 Amps		Break-Down Torque:		427.0 LB-FT	
Line-line Res. @ 25°C.:		0.16236 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		187.0 LB-FT	
Temp. Rise @ Rated Load:		41 C		Locked-Rotor Torque:		246.0 LB-FT	
Temp. Rise @ S.F. Load:		51 C		Starting Current:		330.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	43.0	65.0	76.0	82.0	85.0	85.0	84.0
Efficiency:	91.1	94.0	94.5	94.2	93.6	92.8	93.8
Speed:	1792.4	1785.0	1777.8	1770.2	1762.1	1752.8	1765.0
Line Amperes:	24.1	30.7	39.2	48.7	59.3	71.3	55.1

Performance Graph at 460V, 60Hz, 40.0HP Typical performance - Not guaranteed values





