

BALDOR® • RELIANCE

Product Information Packet

EM2551TS-12
,RPM,0PH,HZ,365TS,OPSB,F1

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Part Detail									
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	4462M	Elec. Spec:	44WGW162	CD Diagram:			
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	44E018	Layout:			
Frame:	365TS	Mounting:	F1	Poles:	04	Created Date:	08-06-2010		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-29-2011		
Leads:	12#8	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2138L									
CAT.NO.	EM2551TS-12	P/N		ENCLOSURE			OPSB		
SPEC.	44E018W162G1	CC	010A	FRAME			365TS	S/N	
HP	75	CLASS	F	HZ			60		
RPM	1775	PH	3	DES			B		
VOLT	230/460	KVA-CODE	F	ODE BRG			6312	DE BRG	6313
AMP	170/85	USABLE AT 208V							
RATING	40C AMB-CONT	GREASE	POLYREX EM						
NEMA-NOM-EFF	95	PF	87	SER.F.			1.15		
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.					

Parts List		
Part Number	Description	Quantity
SA201360	SA 44E018W162G1	1.000 EA
RA188659	RA 44E018W162G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6731	LIFTING LUG FOR 44 FRAME MOTORS.	2.000 EA
HA6616A01	CAST ADAPTOR, 44 FRAME - NEMA 364-5 - MA	1.000 EA
19XW3816A16	.38-16 X 1.00 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	2.000 EA
10CB3002A02	CB 309 3.62 LD HOLE, .38 MTG HOLE & 3.50	1.000 EA
19XW3118A16	.31-18 HEX WASHER HEAD TAPTITE II 1.00 L	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
44EP1203A02	FREP, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW5100A15	W4997-050 WVY WSHR (WB)	1.000 EA
10XN3816K48	3/8-16 X 3 HEX HD CAP SCREW,Z/P	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
44EP1203A01	PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	4.000 EA
HW2501H18	KEY, 1/2 SQ X 2.000	1.000 EA
LB1115	LABEL,LIFTING DEVICE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.080 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 EA
HA3175A02	THRUBOLT STUD 1/2-13 X 24.500 - GRADE 2	4.000 EA
LB1119	WARNING LABEL	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
LC0104A01	CONNECTION DIAGRAM	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
44PA1000	PK GP COMB PRINT 39-3/8X31X23-7/8	1.000 EA

Performance Data at 460V, 60Hz, 75.0HP (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	222.0 LB-FT	Start Configuration:	DOL
No-Load Current:	26.4 Amps	Break-Down Torque:	617.0 LB-FT
Line-line Res. @ 25°C.:	0.0781 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	239.0 LB-FT
Temp. Rise @ Rated Load:	30 C	Locked-Rotor Torque:	332.0 LB-FT
Temp. Rise @ S.F. Load:	37 C	Starting Current:	512.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	56.0	77.0	83.0	87.0	87.0	87.0	87.0
Efficiency:	93.6	95.5	96.0	95.3	94.9	93.9	95.1
Speed:	1794.0	1788.0	1782.0	1776.0	1769.0	1761.0	1772.0
Line Amperes:	34.1	48.2	66.2	85.4	106.0	128.0	97.8

Performance Graph at 460V, 60Hz, 75.0HP Typical performance - Not guaranteed values





