

BALDOR® • RELIANCE

Product Information Packet

EM2551TS-12

75HP,1775RPM,3PH,60HZ,365TS,4462M,OPSB,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4462M	Elec. Spec:	44WGW162	CD Diagram:	CD0104
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	44E018	Layout:	44LYE018
Frame:	365TS	Mounting:	F1	Poles:	04	Created Date:	08-06-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-02-2016
Leads:	12#8					Replaced By:	
Literature:		Elec. Diagram:					

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
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	T&B CX70TN 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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.080 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	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
LB1119N	WARNING LABEL	1.000 EA
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

AC Induction Motor Performance Data

Record # 31071 - Typical performance - not guaranteed values

Winding: 44WGW162-R001	Type: 4462M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	75			Full Load Torque	222 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	170/85			Breakdown Torque	617 LB-FT
R.P.M.	1775			Pull-up Torque	239 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	332 LB-FT
NEMA Design Code	B	KVA Code	F	Starting Current	512 A
Service Factor (S.F.)	1.15			No-load Current	26.4 A
NEMA Nom. Eff.	95	Power Factor	87	Line-line Res. @ 25°C	0.0781 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	30°C
S.F. Amps				Temp. Rise @ S.F. Load	37°C
				Locked-rotor Power Factor	26
				Rotor inertia	11.7 LB-FT ²

Load Characteristics 460 V, 60 Hz, 75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	83	87	87	87	87
Efficiency	93.6	95.5	96	95.3	94.9	93.9	95.1
Speed	1794	1788	1782	1776	1769	1761	1772
Line amperes	34.1	48.2	66.2	85.4	106	128	97.8

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





