

BALDOR® • RELIANCE

Product Information Packet

EJMM2538T

40HP,3510RPM,3PH,60HZ,286JM,3956M,OPSB,F

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3956M	Elec. Spec:	39WGX287	CD Diagram:	CD0180
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39E312	Layout:	39LYE312
Frame:	286JM	Mounting:	F1	Poles:	02	Created Date:	06-22-2009
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	05-29-2014
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2138L							
CAT.NO.	EJMM2538T	P/N		ENCLOSURE		OPSB	
SPEC.	39E312X287	CC	010A	FRAME		286JM	S/N
HP	40	CLASS	F	HZ		60	
RPM	3510	PH	3	DES		B	
VOLT	230/460	KVA-CODE	H	ODE BRG		6208	DE BRG
AMP	90/45	USABLE AT 208V	99				
RATING	40C AMB-CONT	GREASE	POLYREX EM				
NEMA-NOM-EFF	92.4	PF	90	SER.F.		1.15	
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.			

Parts List		
Part Number	Description	Quantity
SA183167	SA 39E312X287	1.000 EA
RA171050	RA 39E312X287	1.000 EA
HW3201A01	1/2-13 EYEBOLT	1.000 EA
09CB2800A03	ADAPTER MACH FOR 10CB3000	1.000 EA
19XW3118A08	.31-18 X .50 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	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	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
HA1101A01	RODENT SCREEN, 39 MTR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
HA1221	RODENT SCREEN 39EP1404	4.000 EA
HW3207A04	CABLE TIE 5 5/8 X .14" BLACK	8.000 EA
39EP1404A07	FACE MTD.EP MACH. 284-6 OPEN	1.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 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	4.000 EA
10CB3500	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
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	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 (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
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HA3113A05	THRUBOLT 3/8 - 16 X 17.250	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0181	CONNECTION LABEL	1.000 EA
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

AC Induction Motor Performance Data

Record # 13126 - Typical performance - not guaranteed values

Winding: 39WGX287-R001	Type: 3956M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	40			Full Load Torque	60.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	90/45			Breakdown Torque	252 LB-FT
R.P.M.	3510			Pull-up Torque	80.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	115 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	326 A
Service Factor (S.F.)	1.15			No-load Current	11.3 A
NEMA Nom. Eff.	92.4	Power Factor	90	Line-line Res. @ 25°C	0.211 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C
S.F. Amps				Temp. Rise @ S.F. Load	77°C
				Rotor inertia	1.43 LB-FT ²

Load Characteristics 460 V, 60 Hz, 40 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	82	88	90	91	92	91
Efficiency	92.7	94.1	93.8	92.7	91.4	89.9	91.9
Speed	3578	3555	3531	3503	3474	3441	3486
Line amperes	16.1	24.4	34.1	45.3	56.6	68.6	52.08

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





