

BALDOR® • RELIANCE

Product Information Packet

JMM2531T

25HP,1760RPM,3PH,60HZ,284JM,3942M,OPSB,F

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3942M	Elec. Spec:	39WGW918	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39N090	Layout:	39LYN090
Frame:	284JM	Mounting:	F1	Poles:	04	Created Date:	06-29-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-13-2014
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	JMM2531T									
SPEC.	39N090W918H1									
HP	25									
VOLTS	230/460									
AMP	62/31									
RPM	1760									
FRAME	284JM	HZ			60	PH		3		
SER.F.	1.15	CODE			G	DES		B	CLASS	B
NEMA-NOM-EFF	91.7	PF			83					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V			66					
DE	6312	ODE			6208					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA199232	SA 39N090W918H1	1.000 EA
RA186569	RA 39N090W918H1	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
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	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
HW5100A08	W3118-035 WVY WSHR (WB)	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
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
39EP1404A03	FACE MTD.EP MACH. 284-6 OPEN	1.000 EA
HA1221	RODENT SCREEN 39EP1404	4.000 EA
HW3207A04	CABLE TIE 5 5/8 X .14" BLACK	8.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4600B41	V-RING SLINGER 2.125 X 2.880 X 0.280	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10CB3500	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
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) 10/13	1.000 EA
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 (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
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HA3113A04	3/8-16 X 15.50 THRU BOLT	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 12995 - Typical performance - not guaranteed values

Winding: 39WGW918-R001	Type: 3942M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	25			Full Load Torque	74.6 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	62/31			Breakdown Torque	220 LB-FT
R.P.M.	1760			Pull-up Torque	109 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	124 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	191.3 A
Service Factor (S.F.)	1.15			No-load Current	12.11 A
NEMA Nom. Eff.	91.7	Power Factor	83	Line-line Res. @ 25°C	0.398 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	42°C
S.F. Amps				Temp. Rise @ S.F. Load	56°C
				Rotor inertia	1.84 LF ²

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	69	79	83	85	86	84
Efficiency	87.4	91.5	92.1	91.8	91	89.8	91.3
Speed	1790	1780	1770	1759	1747	1734	1752
Line amperes	14.07	18.47	24.1	30.6	37.8	45.7	34.9

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values





