

BALDOR® • RELIANCE

Product Information Packet

JMM2543T

50HP,1765RPM,3PH,60HZ,326JM,4060M,OPSB,F

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4060M	Elec. Spec:	40WGW951	CD Diagram:	CD0180
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40H25	Layout:	40LYH025
Frame:	326JM	Mounting:	F1	Poles:	04	Created Date:	12-09-2009
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-11-2013
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	JMM2543T									
SPEC.	40H025W951H1									
HP	50									
VOLTS	230/460									
AMP	124/62									
RPM	1765									
FRAME	326JM	HZ			60	PH		3		
SER.F.	1.15	CODE			G	DES		B	CLASS	B
NEMA-NOM-EFF	93	PF			81					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V			133					
DE	6312	ODE			6309					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA188555	SA 40H025W951H1	1.000 EA
RA176287	RA 40H025W951H1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6017	CAST ADAPTER, 40,42 KOBX	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	T&B CX70TN 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
HA1166A06	RODENT SCREEN FOR 40 ENDPLATE 40EP3200.	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
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

Parts List (continued)		
Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	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)	0.050 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
MG1000G27	MED CHARCOAL METALLIC GREY	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HA3154A06	THRUBOLT STUD 3/8-16 X 19.500	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0181	CONNECTION LABEL	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 # 13433 - Typical performance - not guaranteed values

Winding: 40WGW951-R001	Type: 4060M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	50			Full Load Torque	149 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	124/62			Breakdown Torque	426 LB-FT
R.P.M.	1765			Pull-up Torque	221 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	270 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	385 A
Service Factor (S.F.)	1.15			No-load Current	25.48 A
NEMA Nom. Eff.	93	Power Factor	81	Line-line Res. @ 25°C	0.1406 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C
				Rotor inertia	4.77 LF ²

Load Characteristics 460 V, 60 Hz, 50 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	77	81	83	84	83
Efficiency	88.4	92.4	93.2	93	92.4	91.5	92.6
Speed	1792	1783	1774	1765	1756	1747	1760
Line amperes	29.23	37.8	49	61.8	75.9	91.8	70.2

Performance Graph at 460V, 60Hz, 50.0HP Typical performance - Not guaranteed values





