

BALDOR® • RELIANCE

Product Information Packet

JMM3550T

1.5HP,3450RPM,3PH,60HZ,143JM,3520M,TEFC

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520M	Elec. Spec:	35WGS253	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35T921	Layout:	35LYT921
Frame:	143JM	Mounting:	F1	Poles:	02	Created Date:	05-21-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-07-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	JMM3550T								
SPEC.	35T921S253H1								
HP	1.5								
VOLTS	208-230/460								
AMP	4.3-4.2/2.1								
RPM	3450								
FRAME	143JM	HZ			60	PH		3	
SER.F.	1.15	CODE			L	DES		B	CLASS
NEMA-NOM-EFF	82.5	PF			85				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			4.3				
DE	6206	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA196915	SA 35T921S253H1	1.000 EA
RA184356	RA 35T921S253H1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M07	FREP TEFC 203BRG,GRSR,RLF(RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3401T05	FACE ENCL 206 BRG W/GRS, RELIEF & TGHSLV	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FH4005A86	IEC FH W/GRSR, NO DIMPLES W/AUTOPHERETIC	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
HA1005A02SP	SLINGER, OD 2.00, ID 1.14, 206 BRG,	1.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
35GS1030	35 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 36628 - Typical performance - not guaranteed values

Winding: 35WGS253-R009	Type: 3520M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	4.3-4.2/2.1			Breakdown Torque	8.7 LB-FT
R.P.M.	3450			Pull-up Torque	6.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.1 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	16 A
Service Factor (S.F.)	1.15			No-load Current	0.8 A
NEMA Nom. Eff.	82.5	Power Factor	85	Line-line Res. @ 25°C	10.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	30°C
S.F. Amps				Temp. Rise @ S.F. Load	35°C
				Rotor inertia	0.0548 LF ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	64	75	76	83	84	80
Efficiency	76.8	83.9	85.4	85.1	84.1	82.4	84.5
Speed	3566	3536	3504	3459	3434	3392	3444
Line amperes	1	1.3	1.6	2.1	2.4	2.9	2.28

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





