

BALDOR® • RELIANCE

Product Information Packet

M3155T

2HP,3450RPM,3PH,60HZ,145T,3522M,OPSB,F1

Part Detail							
Revision:	G	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3522M	Elec. Spec:	35WGT478	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35T680	Layout:	35LYT680
Frame:	145T	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	02-03-2010
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M3155T									
SPEC.	35T680T478H1									
HP	2									
VOLTS	208-230/460									
AMP	5.6-5.2/2.6									
RPM	3450									
FRAME	145T	HZ			60	PH		3		
SER.F.	1.15	CODE			K	DES		B	CLASS	B
NEMA-NOM-EFF	84	PF			87					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V			5.6					
DE	6205	ODE			6203					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA107727	SA 35T680T478H1	1.000 EA
RA099329	RA 35T680T478H1	1.000 EA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	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
35EP3201A01	STD FR ENDPLATE-OPEN-203 BRG W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3200A01	STD PU ENDPLATE-OPEN-205 BRG W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	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
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC	1.000 EA
PA1000	PACKING GROUP 3500 SHORT	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 9420 - Typical performance - not guaranteed values

Winding: 35WGT478-R002	Type: 3522M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.6-5.2/2.6			Breakdown Torque	14 LB-FT
R.P.M.	3450			Pull-up Torque	9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	12 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	22 A
Service Factor (S.F.)	1.15			No-load Current	1.2 A
NEMA Nom. Eff.	84	Power Factor	87	Line-line Res. @ 25°C	7.99 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	26°C
S.F. Amps				Temp. Rise @ S.F. Load	35°C
				Rotor inertia	0.0603 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	71	81	87	89	91	0
Efficiency	72.6	81.7	84.3	84.9	84.5	83.5	0
Speed	3570	3542	3513	3482	3448	3412	0
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7	2.9

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





