

BALDOR® • RELIANCE

Product Information Packet

EM3156T

1HP,1150RPM,3PH,60HZ,145T,3524M,OPSB,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGM850	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35L405	Layout:	35LYL405
Frame:	145T	Mounting:	F1	Poles:	06	Created Date:	08-02-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-04-2013
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L									
CAT.NO.	EM3156T								
SPEC.	35L405M850G1								
HP	1								
VOLTS	208-230/460								
AMP	3.6/1.8								
RPM	1155								
FRAME	145T	HZ			60	PH	3		
SER.F.	1.15	CODE			J	DES	B	CL	F
NEMA-NOM-EFF	82.5	PF			64				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6205	ODE			6203				
ENCL	OPSB	SN							

Parts List		
Part Number	Description	Quantity
SA200555	SA 35L405M850G1	1.000 EA
RA187867	RA 35L405M850G1	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 GA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
PA1000	PACKING GROUP 3500 SHORT	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	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 # 32405 - Typical performance - not guaranteed values

Winding: 35WGM850-R001	Type: 3524M	Enclosure: OPSB
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	4.5 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.6/1.8			Breakdown Torque	14 LB-FT
R.P.M.	1155			Pull-up Torque	9.71 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.2 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	9.83 A
Service Factor (S.F.)	1.15			No-load Current	1.16 A
NEMA Nom. Eff.	82.5	Power Factor	64	Line-line Res. @ 25°C	16.79 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps				Temp. Rise @ S.F. Load	42°C
				Rotor inertia	0.143 LF ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	44	56	64	70	73	68
Efficiency	71.1	80.6	83	83	81.9	80.1	82.3
Speed	1189.4	1178.8	1169	1156.4	1141.6	1126.3	1148
Line amperes	1.21	1.33	1.51	1.76	2.04	2.38	1.93

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





