

BALDOR® • RELIANCE

Product Information Packet

ELECTRICAL EQUIPMENT SOLUTIONS

M3610T-57

3HP,2850RPM,3PH,50HZ,182T,3542M,TEFC,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3542M	Elec. Spec:	35WGQ068	CD Diagram:	CD0022
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35L100	Layout:	35LYL100
Frame:	182T	Mounting:	F1	Poles:	02	Created Date:	09-09-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	09-09-2014
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2717L									
CAT NO	M3610T-57								
SPEC.	35L100Q068H1								
HP	3	PH	3						
VOLTS	230/400								
AMP	7.3/4.2								
RPM	2850								
FRAME	182T	HZ	50	I.P.	54				
SER.F.	1.15	CODE	K	DES	B	CL	F		
NEMA-NOM-EFF	84	% (100%)							
PF	92	USABLE AT 208V							
RATING	40C AMB-CONT	CC							
DE BRG	6206	ODE	6203						
ENCL	TEFC	SN							
BLANK	IE2 50HZ - 85 (75%) 85 (50%)								

Parts List		
Part Number	Description	Quantity
SA230518	SA 35L100Q068H1	1.000 EA
RA217545	RA 35L100Q068H1	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB CASTING W/1.09 DIA. LEAD HOLE @ 6:	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
35EP3100M01	FREP TEFC 203 BRG W/GRSR (RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3113A01	PU ENDPLATE, MACH W/206 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35FH4005A84SP	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
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
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
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

Parts List (continued)		
Part Number	Description	Quantity
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
HA3100A42	THRUBOLT 10-32 X 12.000	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0034	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP2717L	ALUM NEMA IE2 UL CSA CE CC	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 35191 - Typical performance - not guaranteed values

Winding: 35WGQ068-R003	Type: 3542M	Enclosure: TEFC
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Nameplate Data				400 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	5.63 LB-FT
Volts	230/400			Start Configuration	direct on line
Full Load Amps	7.3/4.2			Breakdown Torque	21.8 LB-FT
R.P.M.	2850			Pull-up Torque	10.6 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	20.2 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	36.18 A
Service Factor (S.F.)	1.15			No-load Current	1.18 A
NEMA Nom. Eff.	84	Power Factor	92	Line-line Res. @ 25°C	4.206 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	94°C
				Rotor inertia	0.116 LB-FT ²

Load Characteristics 400 V, 50 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	84	91	92	94	95	93
Efficiency	80.1	85.2	85.5	84.1	82	79.2	82.8
Speed	2960	2926	2888	2844	2799	2740	2817
Line amperes	1.61	2.3	3.17	4.21	5.26	6.47	4.84

Performance Graph at 400V, 50Hz, 3.0HP Typical performance - Not guaranteed values





