

BALDOR® • RELIANCE

Product Information Packet

EM3709T

7.5HP,3500RPM,3PH,60HZ,213T,3728M,TEFC,F

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Part Detail									
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3728M	Elec. Spec:	37WGR224	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37H244	Layout:			
Frame:	213T	Mounting:	F1	Poles:	02	Created Date:	01-05-2012		
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-21-2012		
Leads:	9#14	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1259L									
CAT.NO.		EM3709T							
SPEC.		37H244R224G1							
HP		7.5							
VOLTS		208-230/460							
AMP		19.4-18/9							
RPM		3520							
FRAME		213T		HZ		60	PH	3	
SER.F.		1.15		CODE		J	DES	A	CL F
NEMA-NOM-EFF		89.5		PF		84			
RATING		40C AMB-CONT							
CC		010A		USABLE AT 208V					
DE		6307		ODE		6206			
ENCL		TEFC		SN					

Parts List		
Part Number	Description	Quantity
SA236670	SA 37H244R224G1	1.000 EA
RA223614	RA 37H244R224G1	1.000 EA
36FN3000B02	EXFN, PLASTIC, 6.00 OD, 1.175 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3101A01SP	FR ENDPLATE,TEFC, 37 L&M, W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3100A01SP	STD PU ENDPLATE, ENCL,37 "T"-307 BRG, W/	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
37GS1008SP	37 GS FOR CB LID - LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	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
LB1115	LABEL,LIFTING DEVICE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.028 GA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-3301	C FACE KIT	P1

Performance Data at 460V, 60Hz, 7.5HP (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	10.9 LB-FT	Start Configuration:	DOL
No-Load Current:	3.73 Amps	Break-Down Torque:	40.4 LB-FT
Line-line Res. @ 25°C.:	1.1531 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	20.6 LB-FT
Temp. Rise @ Rated Load:	45 C	Locked-Rotor Torque:	21.8 LB-FT
Temp. Rise @ S.F. Load:	54 C	Starting Current:	68.4 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	45.0	69.0	79.0	84.0	87.0	89.0	86.0
Efficiency:	81.5	88.8	90.5	90.6	90.1	89.2	90.3
Speed:	3580.5	3562.7	3541.6	3520.3	3496.3	3470.9	3506.0
Line Amperes:	4.22	5.36	7.03	8.94	11.0	13.1	10.2

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





