

BALDOR® • RELIANCE

Product Information Packet

MVM3714D-50

7.5KW,1460RPM,3PH,50HZ,D132MD,3744M,TEFC

Part Detail							
Revision:	T	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3744M	Elec. Spec:	37WGY468	CD Diagram:	CD0382
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	37G396	Layout:	37LYG396
Frame:	D132MD	Mounting:	F2	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	04-24-2013
Leads:	6#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1407L					
CAT.NO.					
SPEC.	37G396Y468G1				
IEC FRAME	D132MD	K.W.	7.5KW TE		
VOLTS	400				
AMP	15.7				
RPM	1460	I.P.	54		
HZ	50	PH	3	CL	F
SER.F.	1.00	DES	B	CODE	H
NEMA-NOM-EFF	86.5	PF	78		
RATING	40C AMB-CONT				
CC		USABLE AT 208V			
DE	6309	ODE	6206		
SER. #					

Parts List		
Part Number	Description	Quantity
SA032325	SA 37G396Y468G1	1.000 EA
RA028359	RA 37G396Y468G1	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
37CB3003A02	37 CB PG-16 TAP @ 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
HA6389	16 GA. BRACKET FOR MTG. IEC TERM BLK. IN	1.000 EA
WD1320A01	TERM. BLK. 600V, 25A, 6 POLES, #8-24AWG	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 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
29EP1901A03	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4600A27	SEAL 1.750 X 2.441 X 0.313 SINGLE LIP	1.000 EA
10XN2520A32	1/4 X 2 HEX HEAD CAP SCR,GRADE 2	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2505B18	KEY, 8 X 10 MM X 2.00 LONG	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
WD1000D56	T&B RB873M,TRM,NYL.INS RING(16-14 GA) 10	6.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A17T	THRUBOLT .31-18 X 13.250 W/SHRINK TUBING	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0762	CONN LABEL, AC	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP1407L	ALUM IEC UL CSA CE CC	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 30948 - Typical performance - not guaranteed values

Winding: 37WGY468-R002	Type: 3744M	Enclosure: TEFC
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Nameplate Data				400 V, 50 Hz: Single Voltage Motor	
Rated Output (KW)	7.5			Full Load Torque	36 LB-FT
Volts	400			Start Configuration	direct on line
Full Load Amps	15.7			Breakdown Torque	105 LB-FT
R.P.M.	1460			Pull-up Torque	40 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	65 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	93 A
Service Factor (S.F.)	1			No-load Current	7.2 A
NEMA Nom. Eff.	86.5	Power Factor	78	Line-line Res. @ 25°C	0.866 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	104°C
				Rotor inertia	1.09 LF ²

Load Characteristics 400 V, 50 Hz, 7.5 KW

% of Rated Load	25	50	75	100	125	150
Power Factor	41	62	73	78	81	82
Efficiency	80.1	86.5	87.6	87.1	85.8	83.7
Speed	1491	1482	1472	1461	1448	1431
Line amperes	8.2	10	12.6	15.7	19.4	23.6

Performance Graph at 400V, 50Hz, 7.5KW Typical performance - Not guaranteed values





