

BALDOR® • RELIANCE

Product Information Packet

MVM3615D

3.7KW,1745RPM,3PH,60HZ,D112MD,3634M,TEFC

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634M	Elec. Spec:	36WGS543	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36H938	Layout:	36LYH938
Frame:	D112MD	Mounting:	B5	Poles:	04	Created Date:	09-08-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1407L					
CAT.NO.	MVM3615D				
SPEC.	36H938S543H1				
IEC FRAME	D112MD	K.W.	3.7KW TE		
VOLTS	208-230/460				
AMP	14.2-13.6/6.8				
RPM	1745	I.P.	54		
HZ	60	PH	3	CL	F
SER.F.	1.15	DES	A	CODE	J
NEMA-NOM-EFF	87.5	PF	78		
RATING	40C AMB-CONT				
CC	010A	USABLE AT 208V			
DE	6206	ODE	6205		
SER. #					

Parts List		
Part Number	Description	Quantity
SA202973	SA 36H938S543H1	1.000 EA
RA190236	RA 36H938S543H1	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3104A01	FREP MACH W/GRSR, RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1507A01	FLANGE MTD ENDPLATE 36 IEC F215 CAST IRO	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
10XN2520A20	1/4-20X 1 1/4 HEX HD X	4.000 EA
36FH4009A102	IEC FH GREASER W/AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2505A14	KEY, 8 X 7 MM 1.50 INCHES	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
HA3101A24	THRUBOLT 1/4-20 X 10.125 DEMBY	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	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
36PA1001	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 36911 - Typical performance - not guaranteed values

Winding: 36WGS543-R002	Type: 3634M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (KW)	3.7			Full Load Torque	14.9 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	14.2-13.6/6.8			Breakdown Torque	53.2 LB-FT
R.P.M.	1745			Pull-up Torque	29.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34.7 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	48.4 A
Service Factor (S.F.)	1.15			No-load Current	3.42 A
NEMA Nom. Eff.	87.5	Power Factor	78	Line-line Res. @ 25°C	2.53 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	77°C
S.F. Amps				Temp. Rise @ S.F. Load	92°C
				Rotor inertia	0.317 LF ²

Load Characteristics 460 V, 60 Hz, 3.7 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	59	72	78	82	83	80
Efficiency	80.4	86.8	87.6	87.9	86	84.5	86.8
Speed	1788	1776	1762	1747	1730	1711	1737
Line amperes	3.77	4.48	5.47	6.79	8.18	9.9	7.62

Performance Graph at 460V, 60Hz, 3.7KW Typical performance - Not guaranteed values





