

BALDOR® • RELIANCE

Product Information Packet

EMM3615

3.7KW,1750RPM,3PH,60HZ,D112M,3642M,TEFC

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Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3642M	Elec. Spec:	36WGS268	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36M718	Layout:	
Frame:	D112M	Mounting:	F2	Poles:	04	Created Date:	06-29-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-25-2011
Leads:	9#16	Literature:		Elec. Diagram:		Replaced By:	
Nameplate NP1159L							
CAT.NO.	EMM3615						
SPEC.	36M718S268G1						
IEC FRAME	D112M	KW				3.7KW	
VOLTS	208-230/460						
AMP	13.9-13.4/6.7						
RPM	1750	ENCL				TEFC	
HZ	60	PH				3	CL F
SER.F.	1.15	DES				B	CODE J
NEMA-NOM-EFF	89.5	I.P.				54	
RATING	40C AMB-CONT						
CC	010A	USABLE AT 208V				13.9	
DE	6206	ODE				6205	
SER. #							

Parts List		
Part Number	Description	Quantity
SA226382	SA 36M718S268G1	1.000 EA
RA213480	RA 36M718S268G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	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
36EP3100A01SP	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102SP	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
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

Parts List (continued)		
Part Number	Description	Quantity
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.022 GA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1159L	SS SUPER-E IEC UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA

Performance Data at 460V, 60Hz, 5.0KW (Typical performance - Not guaranteed values)**General Characteristics**

Full Load Torque:	14.9 LB-FT	Start Configuration:	DOL
No-Load Current:	3.24 Amps	Break-Down Torque:	52.2 LB-FT
Line-line Res. @ 25°C.:	2.27 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	31.5 LB-FT
Temp. Rise @ Rated Load:	77 C	Locked-Rotor Torque:	34.9 LB-FT
Temp. Rise @ S.F. Load:	93 C	Starting Current:	49.1 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	39.0	60.0	72.0	78.0	83.0	83.0	81.0
Efficiency:	85.0	89.7	90.6	89.6	88.6	87.0	89.0
Speed:	1789.0	1776.0	1762.0	1750.0	1733.0	1714.0	1740.0
Line Amperes:	3.55	4.31	5.43	6.65	7.94	9.64	7.42

Performance Graph at 460V, 60Hz, 5.0KW Typical performance - Not guaranteed values





