

BALDOR® • RELIANCE

Product Information Packet

CM7009A

.75HP,3450RPM,3PH,60HZ,56C,X3413M,XPFC

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3413M	Elec. Spec:	34WG5722	CD Diagram:	CD0007
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	34-5329	Layout:	34LY5329
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	06-16-2015
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0016XPSL

NO.		CC	
SER.			
SPEC.	34-5329-5722		
CAT.NO.	CM7009A		
HP	.75	T. CODE	T3C
VOLTS	208-230/460		
AMPS	2.7-2.6/1.3		
RPM	3450		
HZ	60	PH	3
SER.F.	1.00	DES	B
RATING	40C AMB-CONT		
FRAME	56C	CL	B
USABLE AT 208V	2.7	CODE	K
BLANK		NEMA-NOM-EFF	75
		PF	73

Parts List		
Part Number	Description	Quantity
SA008994	SA 34-5329-5722	1.000 EA
RA005441	RA 34-5329-5722	1.000 EA
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
34EP3703A01	FR ENDPLATE, MACH XP	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 EA
HA1025A13	WSHR,FELT,.38" THICK F-26 CLASS	1.000 EA
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3705A01SP	PU ENDPLATE, MACH	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
NP0018W	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
12XF0632A06	6-32X3/8 TY F HEX HD SLT	2.000 EA
NS2500A05	INSULATOR, AUTO THER PROT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
TPMYJ68KX	THERMAL 3PH 0.75 AUT 120C	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	12.000 EA
SP5037A01	TERMINAL PLATE ASS'Y MODEL 34 - 3 PHASE	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	12.000 EA
HA3104A03	THRUBOLT 5/16-18 X 7.625 W QTE#457	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 6819 - Typical performance - not guaranteed values

Winding: 34WG5722-R001	Type: 3413M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.7-2.6/1.3			Breakdown Torque	4.8 LB-FT
R.P.M.	3450			Pull-up Torque	3.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3.9 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	7.6 A
Service Factor (S.F.)	1			No-load Current	0.85 A
NEMA Nom. Eff.	75	Power Factor	73	Line-line Res. @ 25°C	24.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	39	58	67	78	82	84
Efficiency	57.7	70.6	73.6	75.1	74.7	74
Speed	3553	3518	3481	3440	3395	3344
Line amperes	0.95	1.02	1.12	1.33	1.5	1.62

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





