

BALDOR® • RELIANCE

Product Information Packet

CM7006-57

.5HP,1425RPM,3PH,50HZ,56C,3420M,XPFC,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3420M	Elec. Spec:	34WGX268	CD Diagram:	CD0022
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	34-5331	Layout:	34LY5331
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	09-07-2011
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-24-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL

NO.		CC	
SER.			
SPEC.	34-5331X268G1		
CAT.NO.	CM7006-57		
HP	.5	T. CODE	T3C
VOLTS	230/400		
AMPS	1.7/1		
RPM	1425		
HZ	50	PH	3
SER.F.	1.25	DES	B
RATING	40C AMB-CONT		
FRAME	56C	CL	B
USABLE AT 208V		CODE	K
BLANK	SFA 2/1.2	NEMA-NOM-EFF	73
		PF	67

Parts List		
Part Number	Description	Quantity
SA230329	SA 34-5331X268G1	1.000 EA
RA217359	RA 34-5331X268G1	1.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
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
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
HW5100A03SP	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
SP5037A02	TERMINAL PLATE ASSY 556434 XP	1.000 EA
NP0018W	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	8.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.014 GA

Parts List (continued)		
Part Number	Description	Quantity
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	8.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
HA3104A26	5/16-18 X 8.75 THRU BOLT OHIO	4.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
LC0034	CONNECTION LABEL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
35PA1007	PKG GRP, PRINT PK1034A06	1.000 EA

AC Induction Motor Performance Data

Record # 35148 - Typical performance - not guaranteed values

Winding: 34WGX268-R009	Type: 3420M	Enclosure: XPFC
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Nameplate Data				400 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.8 LB-FT
Volts	230/400			Start Configuration	direct on line
Full Load Amps	1.7/1			Breakdown Torque	6.97 LB-FT
R.P.M.	1425			Pull-up Torque	5.9 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	6.96 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	6.31 A
Service Factor (S.F.)	1.25			No-load Current	0.704 A
NEMA Nom. Eff.	73	Power Factor	67	Line-line Res. @ 25°C	27.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps	2/1.2			Temp. Rise @ S.F. Load	55°C
				Locked-rotor Power Factor	64
				Rotor inertia	0.0476 LB-FT ²

Load Characteristics 400 V, 50 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	50	62	69	77	80	77
Efficiency	52.4	66.3	71.8	73.3	73.9	73.1	73.9
Speed	1479	1465	1448	1418	1406	1374	1406
Line amperes	0.749	0.819	0.901	1.04	1.15	1.31	1.15

Performance Graph at 400V, 50Hz, 0.5HP Typical performance - Not guaranteed values





