

BALDOR® • RELIANCE

Product Information Packet

CM7037

2//1.5HP,1735//1435RPM,3PH,60//50HZ,56C

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3523M	Elec. Spec:	35WGP805	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35E368	Layout:	35LYE368
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	07-13-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	04-09-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSL						
NO.		CC				
SER.						
SPEC.	35E368P805G1					
CAT.NO.	CM7037					
HP	2//1.5	T. CODE	T3C			
VOLTS	230/460//190/380					
AMPS	6/3//5.6/2.8					
RPM	1735//1435					
HZ	60//50	PH	3	CL	B	
SER.F.	1.00	DES	B	CODE	L	
RATING	40C AMB-CONT					
FRAME	56C	NEMA-NOM-EFF	82.5			
USABLE AT 208V	6.5	PF	76			
BLANK						

Parts List		
Part Number	Description	Quantity
SA199993	SA 35E368P805G1	1.000 EA
RA187315	RA 35E368P805G1	1.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	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	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3702A01SP	PU EP-205 BRG-35X-56C-143-5TC	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA3013A01	1/2-20X5/8 SPL.HX BOLT	2.000 EA
HW3021C06	3/32 DI X .625 PIN (F/S)	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/AUTOPHORETIC PRIMER	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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA

Parts List (continued)		
Part Number	Description	Quantity
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.017 GA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 36565 - Typical performance - not guaranteed values

Winding: 35WGP805-R007	Type: 3523M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2//1.5			Full Load Torque	6.05 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	6/3//5.6/2.8			Breakdown Torque	27.3 LB-FT
R.P.M.	1735//1435			Pull-up Torque	17.9 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	19.6 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.8 A
Service Factor (S.F.)	1			No-load Current	1.93 A
NEMA Nom. Eff.	82.5	Power Factor	76	Line-line Res. @ 25°C	8.53 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C
S.F. Amps				Temp. Rise @ S.F. Load	85°C
				Rotor inertia	0.136 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	33	53	67	76	82	86
Efficiency	69.1	79.2	82.5	83	82.4	80.7
Speed	1783	1769	1752	1733	1717	1695
Line amperes	2	2.2	2.53	2.96	3.45	4.03

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





