

BALDOR® • RELIANCE

Product Information Packet

EM7137T

2//1.5HP,1750//1450RPM,3PH,60//50HZ,145T

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0528M	Elec. Spec:	05WGX095	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	05E346	Layout:	05LYE346
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	10-20-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	04-19-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1426XPSLEV

NO.		CC	010A
SER.			
SPEC.	05E346X095G1		
CAT.NO.	EM7137T		
HP	2//1.5	T. CODE	T3C
VOLTS	230/460//190/380		
AMPS	5.8/2.9//5.4/2.7		
RPM	1750//1450		
HZ	60//50	PH	3
SER.F.	1.00	DES	B
RATING	40C AMB-CONT	CL	B
FRAME	145T	CODE	L
USABLE AT 208V		NEMA-NOM-EFF	86.5
BLANK		PF	75

Parts List		
Part Number	Description	Quantity
SA204969	SA 05E346X095G1	1.000 EA
RA192217	RA 05E346X095G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
HW4002A18	1"HEX STEEL PIPE NIPPLE FOR 305XP MTRS	1.000 EA
HW3021F12	SPRING PIN, .156 X 1.25	1.000 EA
35CB1000A01	CONDUIT BOX NEMA 182-215T - 36X & 37X	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
35EP1715A01	FR ENDPLATE, TEFC, 35M, X-PROOF MTR	1.000 EA
84XN3118J20	5/16-18 X 1 1/4" SOC HD CAP SCREW	4.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
05EP1700A02	EP PU EXPL PROOF 205 BRG	1.000 EA
84XN3118J20	5/16-18 X 1 1/4" SOC HD CAP SCREW	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH1000A02	35FH1000A02	1.000 EA
10XN2520A18	1/4-20 X 1-1/8 HEX CAP SCREW.	3.000 EA
35CB1500A02	BOX LID FOR 35CB1000, X-PROOF CONDUIT BO	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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.017 GA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1426XPSLEV	SS XP UL CSA-EEV CC CL-I GP-D	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 35529 - Typical performance - not guaranteed values

Winding: 05WGX095-R002	Type: 0528M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2//1.5			Full Load Torque	6.01 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	5.8/2.9//5.4/2.7			Breakdown Torque	25.5 LB-FT
R.P.M.	1750//1450			Pull-up Torque	14.6 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	17.7 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.8 A
Service Factor (S.F.)	1			No-load Current	1.8 A
NEMA Nom. Eff.	86.5	Power Factor	75	Line-line Res. @ 25°C	7.33 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	50°C
				Locked-rotor Power Factor	49.2
				Rotor inertia	0.165 LB-FT ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	32	52	66	75	80	83
Efficiency	77.5	85.2	86.8	87	86.2	84.8
Speed	1788	1777	1767	1756	1744	1730
Line amperes	1.87	2.11	2.47	2.9	3.39	3.97

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





