

BALDOR® • RELIANCE

Product Information Packet

EJPM4108T

30HP,3520RPM,3PH,60HZ,286JP,1038M,TEFC,F

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1038M	Elec. Spec:	10WGY713	CD Diagram:	CD0180
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	10E381	Layout:	10LYE381
Frame:	286JP	Mounting:	F1	Poles:	02	Created Date:	04-28-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-27-2014
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2138L							
CAT.NO.	EJPM4108T	P/N		ENCLOSURE		TEFC	
SPEC.	10E381Y713G1	CC	010A	FRAME		286JP	S/N
HP	30	CLASS	F	HZ		60	
RPM	3520	PH	3	DES		B	
VOLT	208-230/460	KVA-CODE	G	ODE BRG		6309	DE BRG
AMP	76-70/35	USABLE AT 208V					
RATING	40C AMB-CONT	GREASE	POLYREX EM				
NEMA-NOM-EFF	91.7	PF	87	SER.F.		1.15	
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.			

Parts List		
Part Number	Description	Quantity
SA194168	SA 10E381Y713G1	1.000 EA
RA181758	RA 10E381Y713G1	1.000 EA
37FN3002C03	EXFN, PLASTIC, 6.00 OD, 1.690 ID	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
10CB3000SP	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
12GS1000	GASKET	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
10EP1106A01	FR ENDPLATE, MACH	1.000 EA
10XN3816K32	BOLT, 3/8-16X2 HH YZ(5)	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVVY WSHR (WB)	1.000 EA
10EP1304A06	PU ENDPLATE, MACH	1.000 EA
10XN2520K32	1/4-20 X 2.00 HX HD SCRW GRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN3118K44	5/16-18 X 2.75" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
10FH4000SP	310 FAN HOUSING STAMPED	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	4.000 EA
HA2009A03	SLINGER, ALUMINUM, (AUTO)ANODIZED ALUM	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
80XN1032A06	10-32 X 3/8 SET SC HEX SOCK	1.000 EA
10CB3500	CONDUIT BOX LID, CAST	1.000 EA
10GS1000	GASKET, CONDUIT BOX LID	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501E22	KEY, 1/4 SQ X 2.500	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
HW4500A21	1618BALEMITE FITTING 825 UNIVERSAL	1.000 EA
HA4017A01	1/8 X 4 GREASE EXT (F/S)	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.070 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LC0181	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP2138L	ALUM SUPER-E UL CSA-EEV PREM CC (300	1.000 EA
10PA1010	PACKAGING GROUP,BRAKE MTRTDR 10086	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 30936 - Typical performance - not guaranteed values

Winding: 10WGY713-R001	Type: 1038M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30			Full Load Torque	45.1 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	76-70/35			Breakdown Torque	240 LB-FT
R.P.M.	3520			Pull-up Torque	69.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	91.8 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	211 A
Service Factor (S.F.)	1.15			No-load Current	11.2 A
NEMA Nom. Eff.	91.7	Power Factor	87	Line-line Res. @ 25°C	0.236 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	71°C
S.F. Amps				Temp. Rise @ S.F. Load	88°C
				Rotor inertia	1.63 LF ²

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	77	85	87	88	88	88
Efficiency	87.7	92.3	92.9	92.6	91.6	90.6	92
Speed	3582	3565	3545	3524	3504	3480	3512
Line amperes	14	20.1	27.2	35.3	43.6	52.4	40.3

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values





