

BALDOR® • RELIANCE

Product Information Packet

EM7060T-C

30//25HP,1780//1470RPM,3PH,60//50HZ,286T

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1052M	Elec. Spec:	10WGY712	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	10E588	Layout:	10LYE588
Frame:	286T	Mounting:	F1	Poles:	04	Created Date:	04-22-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-06-2014
Leads:	9#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0978XP							
NO.		TEMP CODE	T4				
SPEC.	10E588Y712G1	DE BRG	6311				
CAT.NO.	EM7060T-C	ODE BRG	6309				
HP	30//25	GREASE	POLYREX EM				
VOLTS	230/460//190/380	MOTOR WEIGHT	508				
AMPS	74/37	NEMA-NOM-EFF	93.6				
RPM	1780//1470	FL PF	82				
CYCLE	60//50	PH	3	CL	B	FRAME	286T
SER.F.	1.00	DES	B	CODE	G	CC	010A
SER.		BLANK					
RATING	40C AMB-CONT						
USABLE AT 208V	78						

Parts List		
Part Number	Description	Quantity
SA193941	SA 10E588Y712G1	1.000 EA
RA181535	RA 10E588Y712G1	1.000 EA
12CB1003A02	CONDUIT BOX MACH. GROUP C MTRS	1.000 EA
10XN3118K24	5/16-18 X 1.50" HEX HD, GRADE 5	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B19	TERMINAL BURNDY L250HP	1.000 EA
10XN3816K12	3/8-16 X 3/4 HEX HD CAP GRADE 5	1.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	1.000 EA
10EP1701A15	FR ENDPLATE, MACH GROUP C MTRS	1.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K40	1/4-20 X 2-1/2 HEX HD CAPSCREW, GRADE 5,Z	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10EP1709A08	PU ENDPLATE, X-PROOF W/LABYRINTH SHAFT G	1.000 EA
HA3050A03	3/8-16 X 2.25" GRADE 8 BOLT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
10FH1008A01	310 FAN HOUSING X-PROOF MACH.	1.000 EA
10XN3118K12	5/16-18 X .75 GRADE 5, ZINC PLATED	3.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 EA
12CB1502A01	CONDUIT BOX LID MACH. GROUP C MTRS	1.000 EA
84XN5013J32	SOCKET HD.CAP SCR,1/2-13 X 2"LG,ALLOY ST	10.000 EA
HW1001A50	LOCKWASHER 1/2, ZINC PLT.,879 OD, .509 I	10.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1081	ALUM XP CAUTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
WD4100A03	DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.130 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
09FN5001C02SP	EXTERNAL FAN, PLASTIC	1.000 EA
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0978XP	BR XP UL CSA CC CL-I GP-C&D CL-II GP-F&G	1.000 EA
12PA1000	PACKAGING GROUP COMBINED PRINT PK1024A06	1.000 EA

AC Induction Motor Performance Data

Record # 30933 - Typical performance - not guaranteed values

Winding: 10WGY712-R001	Type: 1052M	Enclosure: XPFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30//25			Full Load Torque	90 LB-FT
Volts	230/460//190/380			Start Configuration	direct on line
Full Load Amps	74/37			Breakdown Torque	256 LB-FT
R.P.M.	1780//1470			Pull-up Torque	122 LB-FT
Hz	60//50	Phase	3	Locked-rotor Torque	142 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	216 A
Service Factor (S.F.)	1.15			No-load Current	15.9 A
NEMA Nom. Eff.	93.6	Power Factor	82	Line-line Res. @ 25°C	0.264 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	73°C
				Rotor inertia	4.12 LF ²

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	67	78	82	84	84	83
Efficiency	90.2	93.5	94.1	93.9	93.8	92.7	93.8
Speed	1794	1788	1782	1775	1768	1759	1771
Line amperes	17.9	22.8	29.2	36.8	45.3	54.6	41.9

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





