

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

### **EJMM3211T-5**

**3HP,1760RPM,3PH,60HZ,182JM,3630M,OPEN,F1**

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	Yes
Type:	AC	Elec. Spec:	36WGS653	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	36F971	Layout:	36LYF971	Poles:	04	Created Date:	08-13-2015
Base:	RG	Eff. Date:	11-07-2016	Leads:	3#16		

Specs			
Catalog Number:	EJMM3211T-5	Inverter Code:	Inverter Ready
Enclosure:	OPEN	KVA Code:	J
Frame:	182JM	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	3.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 16 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3630M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	76
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	Included
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	3.300 A @ 575.0 V	Shaft Rotation:	Reversible

<b>Design Code:</b>	B	<b>Shaft Slinger Indicator:</b>	Shaft Slinger
<b>Drip Cover:</b>	No Drip Cover	<b>Speed Code:</b>	Single Speed
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	None
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	None
<b>Insulation Class:</b>	F	<b>Winding Thermal 2:</b>	None

Nameplate NP1259L													
CAT.NO.	EJMM3211T-5												
SPEC.	36F971S653G1												
HP	3												
VOLTS	575												
AMP	3.3												
RPM	1760												
FRAME	182JM					HZ	60			PH	3		
SER.F.	1.15					CODE	J		DES	B		CL	F
NEMA-NOM-EFF	89.5					PF	76						
RATING	40C AMB-CONT												
CC	010A											USABLE AT 208V	
DE	6207					ODE	6205						
ENCL	OPEN					SN							

Parts List		
Part Number	Description	Quantity
SA305416	SA 36F971S653G1	1.000 EA
RA292634	RA 36F971S653G1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 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
36FE3200A25	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HA1103A08	RODENT SCREEN, 36 FRAME, OPEN, FRONT END	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3405A04	PUEP 182-4C OPEN 207 BRG W/ TSLV, GRGR	1.000 EA
HA1102A07	RODENT SCREEN 36 OPEN FACE	2.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
HW1000A10	#10 FLAT WASHER (SAE)	4.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
36CB4516	36 LIPPED CB LID - GALVANNEAL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A07	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
RM1010A21	VINYL CAP- LC 1.000-4" IL FE (RED)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1100/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 34999 - Typical performance - not guaranteed values

<b>Winding:</b> 36WGS653-R001	<b>Type:</b> 3630M	<b>Enclosure:</b> OPSB
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Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3			Full Load Torque	8.99 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	3.3			Breakdown Torque	33.4 LB-FT
R.P.M.	1760			Pull-up Torque	17.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.6 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	23.4 A
Service Factor (S.F.)	1.15			No-load Current	1.72 A
NEMA Nom. Eff.	89.5	Power Factor	76	Line-line Res. @ 25°C	7.17 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	27°C
S.F. Amps				Temp. Rise @ S.F. Load	33°C
				Locked-rotor Power Factor	44
				Rotor inertia	0.279 LB-FT <sup>2</sup>

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	70	77	80	83	79
Efficiency	83.5	88.7	89.9	89.5	88.7	87.3	89
Speed	1790	1781	1770	1759	1747	1733	1752
Line amperes	1.88	2.22	2.72	3.29	3.96	4.69	3.69

Performance Graph at 575V, 60Hz, 3.0HP Typical performance - Not guaranteed values

