

ABB BALDOR RELIANCE III

Customer information packet

EJMM3211T-5

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

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	182JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR CSA CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.300 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.3 a
Insulation Class	F

Part Detail

Revision	F
Type	AC
Mech. spec.	36F971
Base	
Status	PRD/A
Elec. spec.	36WGS653
Layout	36LYF971
Eff. date	04-25-2025
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	08-13-2015

Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3630M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	76
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	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										
DE	6207			ODE	6205						
ENCL	OPEN		SN								
	SFA 3.7										

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 #10 SCREW	1.000 ea
36EP3204D00	MASTER ODE,205 BRG,GRSR,RLF	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
36EP3405A04	PUEP 182-4C OPEN 207 BRG W/ TSLV, GRSR	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	750LIPPED 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
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	0.050 lb
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.022 ga
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea

LC0006	CONNECTION LABEL	1.000 ea
NP1259L	ALUM SUPER-E UL CC NEMA PREMIUM A60	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000004	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
PE-0000004	ZRTG PE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data

Record # 34999

Typical performance - not guaranteed values

Winding: 36WGS653-R001			Type: 3630M		Enclosure: OPSB	
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-FT2	

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

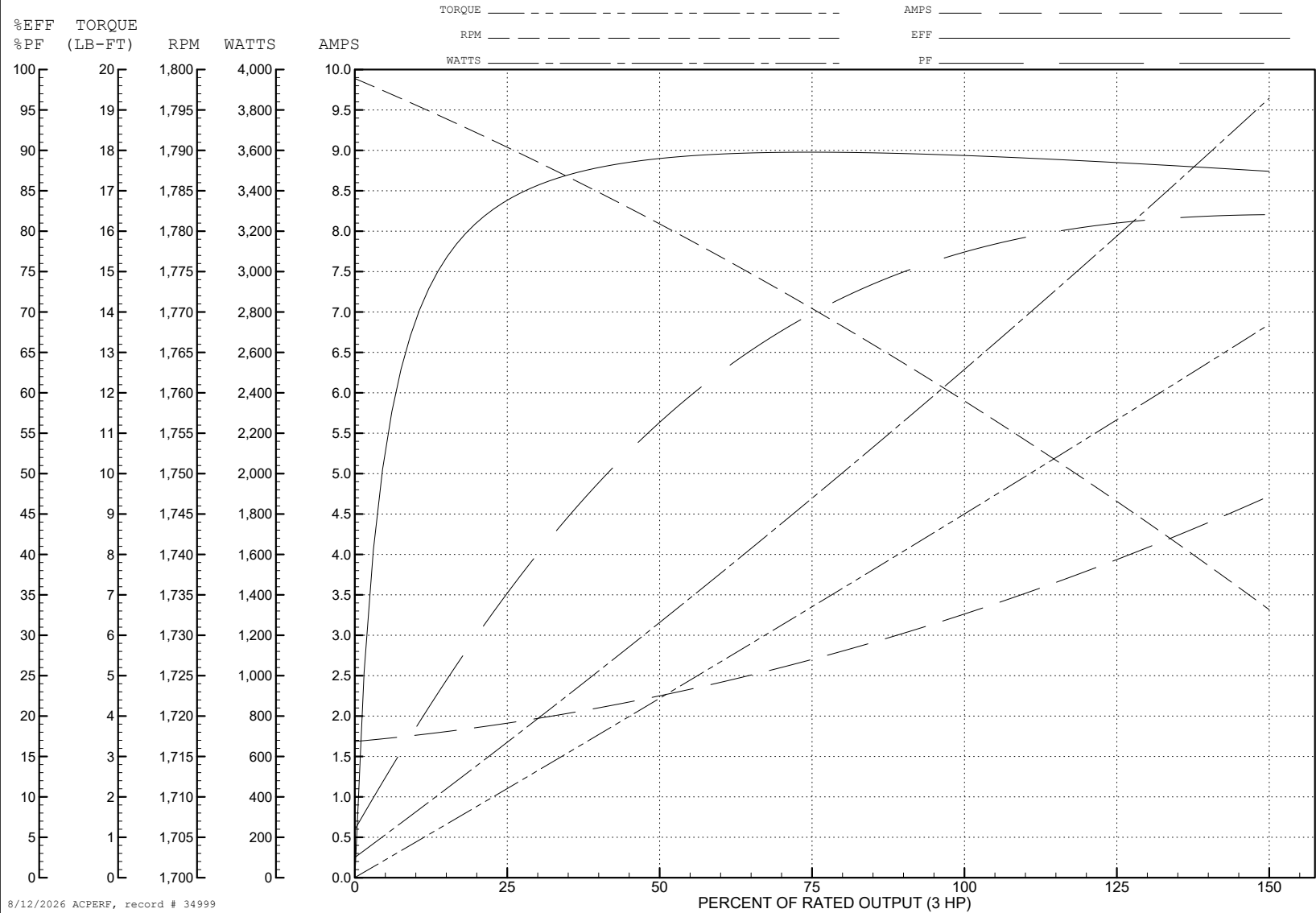
ABB Motors and Mechanical Inc.

WINDING # 36WGS653

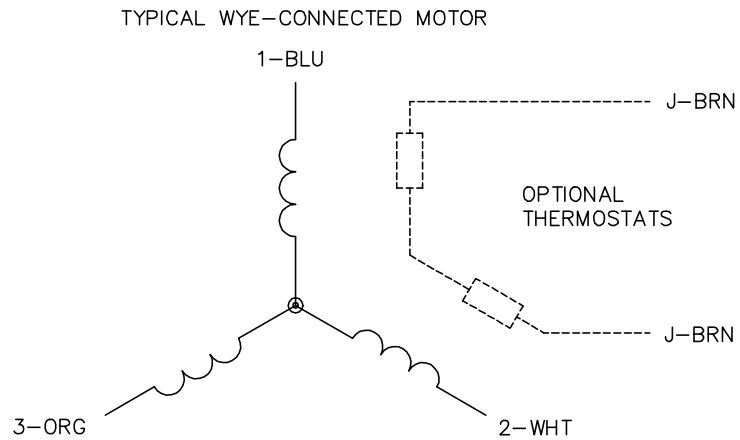
Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1760 RPM 575 V 3630M

TORQUES (LB-FT): PO=33.4 PU=17.4 LR=19.6 LRA=23.4



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10: 24: 49 02/19/2019

BY: ENBRIRO

MTL: -



BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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