

ABB BALDOR RELIANCE III

Customer information packet

EJPM3311T

7.5HP/1760RPM/3PH/OPSB/NEMA 213JP

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	213JP
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	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
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	19.700 A @ 208.0 V 9.300 A @ 460.0 V 18.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AG
Type	AC
Mech. spec.	37F810
Base	
Status	PRD/A
Elec. spec.	37WGX635
Layout	37LYF810
Eff. date	01-29-2026
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	9.3 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3734M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	22.07 IN
Power Factor	84
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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

NP3553LUA									
CAT.NO.	EJPM3311T								
SPEC.	37F810X635E7								
HP	7.5								
VOLTS	230/460								
AMPS	18.6/9.3								
RPM	1760								
FRAME	213JP		HZ	60			PH	3	
SF	1.15		CODE	H	DES	B	CLASS	F	
NEMA NOM. EFF	91		PF	84					
RATING	40C AMB-CONT								
CC	010A								
ENCL	OPSB		SN						
DE	6309			ODE	6206				
VPWM INVERTER READY									
CT30-60(2:1) VT3-60(20:1)									
USABLE AT	50HZ 7.5HP 190/380V 26.8/14.4A								
									SF1.0

AC Induction Motor Performance Data

Record # 53405

Typical performance - not guaranteed values

Winding: 37WGX635-R013			Type: 3734M		Enclosure: OPEN		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		7.5	Full Load Torque		22.39 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		18.6/9.3	Breakdown Torque		72.91 LB-FT		
R.P.M.		1760	Pull-up Torque		41.01 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		57.84 LB-FT	
NEMA Design Code		B	KVA Code	H	Starting Current		66.58 A
Service Factor (S.F.)		1.15		No-load Current		4.38 A	
NEMA Nom. Eff.		91	Power Factor	84	Line-line Res. @ 25°C		1.36 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		35°C	
S.F. Amps				Temp. Rise @ S.F. Load		44°C	
				Locked-rotor Power Factor		41.4	
				Rotor inertia		0.713 LB-FT2	

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	77	81	85	85	85
Efficiency	84.1	89.5	90.8	90.9	90.3	89.3	90.4
Speed	1790	1782	1772	1763	1753	1741	1756
Line amperes	4.95	6.09	7.66	9.5	11.46	13.81	10.5

ABB Motors and Mechanical Inc.

WINDING # 37WGX635

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1760 RPM 460 V 3734M

TORQUES (LB-FT) : PO=72.91 PU=41.01 LR=57.84 LRA=66.58





