

ABB BALDOR RELIANCE III

Customer information packet

JMM3311T

7.5HP, 1750RPM, 3PH, 60HZ, 213JM, 3644M, OPSB

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	213JM
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 208.0 V @ 60 HZ
Agency Approvals	CSA 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	9.900 A @ 460.0 V 21.000 A @ 208.0 V 19.800 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	F
Type	AC
Mech. spec.	36M900
Base	
Status	NLA/A
Elec. spec.	36WGS915
Layout	36LYM900
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	04-17-2012

Heater Indicator	No Heater
High Voltage Full Load Amps	9.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3644M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.84 IN
Power Factor	80
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	1.250 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1750 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

NP1256L									
CAT.NO.	JMM3311T								
SPEC.	36M900S915H1								
HP	7.5								
VOLTS	208-230/460								
AMP	21-19.8/9.9								
RPM	1750								
FRAME	213JM		HZ	60			PH	3	
SER.F.	1.15		CODE	J	DES	A	CLASS	F	
NEMA-NOM-EFF	88.5		PF	80					
RATING	40C AMB-CONT								
CC	010A								
DE	6307		ODE	6205					
ENCL	OPSB		SN						

AC Induction Motor Performance Data

Record # 47551

Typical performance - not guaranteed values

Winding: 36WGS915-R001			Type: 3644M		Enclosure: OPSB		
Nameplate Data			230 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		7.5	Full Load Torque		22.6 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		21-19.8/9.9	Breakdown Torque		75.2 LB-FT		
R.P.M.		1750	Pull-up Torque		42.4 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		51.3 LB-FT	
NEMA Design Code		A	KVA Code	J	Starting Current		141 A
Service Factor (S.F.)		1.15	No-load Current		9.44 A		
NEMA Nom. Eff.		88.5	Power Factor	80	Line-line Res. @ 25°C		0.437 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		65°C
S.F. Amps					Temp. Rise @ S.F. Load		79°C
					Locked-rotor Power Factor		40.4
					Rotor inertia		0.41 LB-FT ²

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	62	74	81	83	84	84
Efficiency	83.7	89.2	89.2	88.8	87	85.3	89
Speed	1788	1776	1762	1748	1731	1713	1750
Line amperes	10.4	12.7	16.1	19.7	24.2	29.2	21.7

ABB Motors and Mechanical Inc.

WINDING # 36WGS915

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1750 RPM 230 V 3644M

TORQUES (LB-FT): PO=75.2 PU=42.4 LR=51.3 LRA=141





