

ABB BALDOR RELIANCE III

Customer information packet

AOM3611T

3 AIR OVERHP, 1750RPM, 3PH, 60HZ, 182T, 3622M

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	182T
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	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 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	9.600 A @ 230.0 V 9.200 A @ 208.0 V 4.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	D
Type	AC
Mech. spec.	36G256
Base	
Status	PRD/A
Elec. spec.	36WGQ063
Layout	36LYG256
Eff. date	01-05-2026
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	10-19-2023

High Voltage Full Load Amps	4.8 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3622M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.62 IN
Power Factor	69
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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.	AOM3611T								
SPEC.	36G256Q063G1								
HP	3 AIR OVER								
VOLTS	208-230/460								
AMP	9.2-9.6/4.8								
RPM	1750								
FRAME	182T		HZ	60			PH	3	
SER.F.	1.15	CODE	J	DES	B	CLASS	F		
NEMA-NOM-EFF	85.5	PF	69						
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEAO	SN							
	1650 FPM AT 100CFM								

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 102146

Typical performance - not guaranteed values

Winding: 36WGQ063-R001			Type: 3622M		Enclosure: TEAO		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		3 AIR OVER	Full Load Torque		9.03 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		9.2-9.6/4.8	Breakdown Torque		44.4 LB-FT		
R.P.M.		1750	Pull-up Torque		19.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		23.1 LB-FT	
NEMA Design Code		B	KVA Code	J	Starting Current		30.1 A
Service Factor (S.F.)		1.15		No-load Current		3.22 A	
NEMA Nom. Eff.		85.5	Power Factor	69	Line-line Res. @ 25°C		5 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		67°C	
S.F. Amps				Temp. Rise @ S.F. Load		78°C	
				Locked-rotor Power Factor		49.1	
				Rotor inertia		0.205 lb-ft²	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	47	61	69	75	80	70
Efficiency	73.5	82.6	85.4	85.6	85	83.9	84.9
Speed	1789	1776	1763	1749	1733	1715	1741
Line amperes	3.28	3.63	4.1	4.79	5.49	6.29	5.46

ABB Motors and Mechanical Inc.

WINDING # 36WGQ063

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1750 RPM 460 V 3622M

TORQUES (LB-FT): PO=44.4 PU=19.7 LR=23.1 LRA=30.1





