

ABB BALDOR RELIANCE III

Customer information packet

AOM3617T

1HP, 860RPM, 3PH, 60HZ, 182T, 3622M, TEAO, F1, N

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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 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	4.400 A @ 230.0 V 4.200 A @ 208.0 V 2.200 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	L
Type	AC
Mech. spec.	36G256
Base	
Status	PRD/A
Elec. spec.	36WGT755
Layout	36LYG256
Eff. date	07-06-2026
CD Diagram	CD0005
Poles	08
Leads	9#16 36" LONG Y
Proprietary	False
Created date	04-02-2013

Heater Indicator	No Heater
High Voltage Full Load Amps	2.2 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	3622M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	13.62 IN
Power Factor	56
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	860 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.	AOM3617T										
SPEC.	36G256T755H1										
HP	1 AIR OVER										
VOLTS	208-230/460										
AMP	4.2-4.4/2.2										
RPM	860										
FRAME	182T		HZ	60			PH	3			
SER.F.	1.00	CODE	J	DES	B		CLASS	F			
NEMA-NOM-EFF	74	PF	56								
RATING	40C AMB-CONT										
CC											
DE	6206		ODE	6205							
ENCL	TEAO	SN									
	825 FPM AT 100 CFM										

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 # 61453

Typical performance - not guaranteed values

Winding: 36WGT755-R010			Type: 3622M		Enclosure: TEAO		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1 AIR OVER	Full Load Torque		6.12 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		4.2-4.4/2.2	Breakdown Torque		17.24 LB-FT		
R.P.M.		860	Pull-up Torque		10.78 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		11.95 LB-FT	
NEMA Design Code		B	KVA Code	J	Starting Current		8.89 A
Service Factor (S.F.)			1	No-load Current		1.65 A	
NEMA Nom. Eff.		74	Power Factor	56	Line-line Res. @ 25°C		18.8 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		62°C	
				Locked-rotor Power Factor		50.8	
				Rotor inertia		0.206 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	25	38	50	59	66	71
Efficiency	55.4	68.7	72.9	73.9	73	70.5
Speed	890	879	868	857	840	821
Line amperes	1.66	1.75	1.91	2.14	2.43	2.79

ABB Motors and Mechanical Inc.

WINDING # 36WGT755

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 860 RPM 460 V 3622M

TORQUES (LB-FT): PO=17.24 PU=10.78 LR=11.95 LRA=8.89





