



Product Information Packet

AOM3611T

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

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS914	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36G256	Layout:	36LYG256	Poles:	04	Created Date:	06-02-2012
Base:	RG	Eff. Date:	01-19-2017	Leads:	9#16 36" LG	Y	

Specs			
Catalog Number:	AOM3611T	Front Shaft Indicator:	None
Enclosure:	TEAO	Heater Indicator:	No Heater
Frame:	182T	Insulation Class:	F
Frame Material:	Steel	Inverter Code:	Not Inverter
Motor Letter Type:	Three Phase	KVA Code:	K
Output @ Frequency:	3.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	208.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3622M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	72
	CSA EEV	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None

Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	9.000 A @ 208.0 V	Shaft Rotation:	Reversible
	9.000 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	4.500 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	AOM3611T									
SPEC.	36G256S914G1									
HP	3 AIR OVER									
VOLTS	208-230/460									
AMP	9/4.5									
RPM	1750									
FRAME	182T				HZ		60		PH	3
SER.F.	1.15		CODE		K		DES		B	
NEMA-NOM-EFF	85.5			PF		72		CLASS		F
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6206				ODE		6205			
ENCL	TEAO		SN							
	1650 FPM AT 100CFM									

AC Induction Motor Performance Data

Record # 61456

Typical performance - not guaranteed values

Winding: 36WGS914-R005			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		9/4.5		Breakdown Torque		45.3 LB-FT	
R.P.M.		1750		Pull-up Torque		19.5 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		22.8 LB-FT	
NEMA Design Code		B		KVA Code	K	Starting Current	30.5 A
Service Factor (S.F.)		1.15		No-load Current		2.86 A	
NEMA Nom. Eff.		85.5	Power Factor	72	Line-line Res. @ 25°C		4.7148 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	64°C
S.F. Amps						Temp. Rise @ S.F. Load	75°C
						Locked-rotor Power Factor	48.2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	65	72	78	82	76
Efficiency	74.4	83.3	85.9	86.1	85.7	84.7	85.9
Speed	1789.6	1777.6	1764.6	1751	1735.5	1718.8	1742
Line amperes	2.95	3.32	3.83	4.54	5.26	6.06	4.97

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values





