



Customer information packet

AOM3458

.33HP, 1725RPM, 3PH, 60HZ, 48, 3410M, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	48
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	.330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	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	.850 A @ 460.0 V 1.700 A @ 230.0 V 1.900 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	V
Type	AC
Mech. spec.	34K099
Base	
Status	PRD/A
Elec. spec.	34WGW137
Layout	34LYK099
Eff. date	10-28-2024
CD Diagram	CD0005
Poles	04
Leads	9#18 36" LG Y
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	0.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3410M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	9.63 IN
Power Factor	53
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Nameplate

NP1256L									
CAT.NO.	AOM3458								
SPEC.	34K99W137								
HP	.33 AIR OVER								
VOLTS	230/460								
AMP	1.7/.85								
RPM	1725								
FRAME	48		HZ	60			PH	3	
SER.F.	1.00	CODE	M	DES	B	CLASS		F	
NEMA-NOM-EFF	68	PF	53						
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	TEAO	SN							
	800 FPM AT 44 CFM								

Accessories

Part number	Description	Multiplier
34-3900T	C-FACE KIT	A8

AC Induction Motor Performance Data

Record # 6892

Typical performance - not guaranteed values

Winding: 34WGW137-R001				Type: 3410M		Enclosure: TEAO		
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.33 AIR OVER		Full Load Torque		1 LB-FT		
Volts		230/460		Start Configuration		direct on line		
Full Load Amps		1.7/.85		Breakdown Torque		4.5 LB-FT		
R.P.M.		1725		Pull-up Torque		3.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		3.5 LB-FT		
NEMA Design Code		B		KVA Code	M		Starting Current	4.5 A
Service Factor (S.F.)		1		No-load Current		0.914 A		
NEMA Nom. Eff.		68		Power Factor	53		Line-line Res. @ 25°C	51.6 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		60°C		
				Locked-rotor Power Factor		72		
				Rotor inertia		0.0238 LB-FT2		

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	26	35	43	50	57	64
Efficiency	32	48	57	62	65	66
Speed	1780	1765	1750	1733	1714	1694
Line amperes	0.91	0.92	0.95	0.98	1.03	1.09

ABB Motors and Mechanical Inc.

WINDING # 34WGW137

Typical performance - not guaranteed values.

0.33 HP 3 PH 60 HZ 1725 RPM 460 V 3410M

TORQUES (LB-FT): PO=4.5 PU=3.2 LR=3.5 LRA=4.5





