

BALDOR® • RELIANCE

Product Information Packet

AOM3535

.33HP,1140RPM,3PH,60HZ,56,3414M,TEAO,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5883	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34T045	Layout:	34LYT045	Poles:	06	Created Date:	11-20-2007
Base:	RG	Eff. Date:	05-25-2017	Leads:	9#18		

Specs			
Catalog Number:	AOM3535	Heater Indicator:	No Heater
Enclosure:	TEAO	Insulation Class:	F
Frame:	56	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	K
Output @ Frequency:	.330 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3414M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	51
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	2.100 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.900 A @ 208.0 V	Shaft Rotation:	Reversible
	1.800 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	.900 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
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	AOM3535											
SPEC.	34T045-5883G2											
HP	.33											
VOLTS	208-230/460											
AMP	1.9-1.8/.9											
RPM	1140											
FRAME	56					HZ	60				PH	3
SER.F.	1.00				CODE	K		DES	B		CLASS	F
NEMA-NOM-EFF	70				PF	51						
RATING	40C AMB-CONT											
CC						USABLE AT 208V			2.1			
DE	6203					ODE	6203					
ENCL	TEAO				SN							

AC Induction Motor Performance Data

Record # 36354 - Typical performance - not guaranteed values

Winding: 34WG5883-R015	Type: 3414M	Enclosure: TEAO
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	1.5 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.9-1.8/.9			Breakdown Torque	5.5 LB-FT
R.P.M.	1140			Pull-up Torque	4.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.45 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	3.65 A
Service Factor (S.F.)	1			No-load Current	0.75 A
NEMA Nom. Eff.	70	Power Factor	51	Line-line Res. @ 25°C	58.3 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
				Locked-rotor Power Factor	66
				Rotor inertia	0.0333 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	19	30	42	51	58	64
Efficiency	44	58	66	70	71	72
Speed	1185	1170	1155	1135	1120	1095
Line amperes	0.75	0.8	0.85	0.9	0.95	1.05

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values





