

ABB BALDOR RELIANCE III

Customer information packet

AOM3556T

1HP, 1170RPM, 3PH, 60HZ, 145T, 3526M, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	145T
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	1200 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	3.600 A @ 208.0 V 3.560 A @ 230.0 V 1.780 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	F
Type	AC
Mech. spec.	35K695
Base	
Status	PRD/A
Elec. spec.	35WGG330
Layout	35LYK695
Eff. date	01-14-2026
CD Diagram	CD0005
Poles	06
Leads	9#18
Proprietary	False
Created date	09-09-2022

High Voltage Full Load Amps	1.8 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	12.12 IN
Power Factor	64
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	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1170 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.	AOM3556T										
SPEC.	35K695G330G1										
HP	1										
VOLTS	208-230/460										
AMP	3.6-3.56/1.78										
RPM	1170										
FRAME	145T		HZ	60				PH	3		
SER.F.	1.00		CODE	K	DES	B		CLASS	F		
NEMA-NOM-EFF	82.5		PF	64							
RATING	40C AMB-CONT										
CC											
DE	6205		ODE	6203							
ENCL	TEAO		SN								

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 87635

Typical performance - not guaranteed values

Winding: 35WGG330-R002			Type: 3526M		Enclosure: TEAO	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1	Full Load Torque		4.47 LB-FT	
Volts		208-230/460	Start Configuration		direct on line	
Full Load Amps		3.6-3.56/1.78	Breakdown Torque		13.22 LB-FT	
R.P.M.		1170	Pull-up Torque		7.94 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque	9.7 LB-FT	
NEMA Design Code	B	KVA Code	K	Starting Current	10.19 A	
Service Factor (S.F.)		1	No-load Current		1.19 A	
NEMA Nom. Eff.	82.5	Power Factor	64	Line-line Res. @ 25°C	19.9 Ω	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		48°C	
			Locked-rotor Power Factor		50.1	
			Rotor inertia		0.189 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	27	43	55	64	70	73
Efficiency	70.2	80.1	82.3	82.5	81.5	79.4
Speed	1193	1187	1180	1172	1163	1153
Line amperes	1.23	1.36	1.54	1.78	2.06	2.41

ABB Motors and Mechanical Inc.

WINDING # 35WGG330

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 1170 RPM 460 V 3526M

TORQUES (LB-FT): PO=13.22 PU=7.94 LR=9.7 LRA=10.19





