

ABB BALDOR RELIANCE III

Customer information packet

EL11319

1.5HP, 1750RPM, 1PH, 60HZ, 56H, 3536LC, ODP, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
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	12.800 A @ 115.0 V 5.800 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	83.8 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.8 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	J
Type	AC
Mech. spec.	35E007
Base	
Status	PRD/A
Elec. spec.	35WGG129
Layout	35LYE007
Eff. date	06-10-2025
CD Diagram	CD0016A01
Poles	04
Leads	7#18
Proprietary	False
Created date	08-01-2022

IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3536LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.00 IN
Power Factor	90
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 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

NP3155L											
CAT.NO.	EL11319										
SPEC.	35E007G129										
HP	1.5										
VOLTS	115/230										
AMP	12.8/5.8										
RPM	1750										
FRAME	56H		HZ	60				PH	1		
SER.F.	1.15	CODE	K	DES	L	CL	F				
F.L. AVG. EFF.	83.8	PF	90								
RATING	40C AMB-CONT										
CC											
DE	6205		ODE	6203							
ENCL	ODP	SN									

AC Induction Motor Performance Data

Record # 108307

Typical performance - not guaranteed values

Winding: 35WGG129-R001			Type: 3536LC		Enclosure: ODP		
Nameplate Data				115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		4.502 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		12.8/5.8		Breakdown Torque		12.8 LB-FT	
R.P.M.		1750		Pull-up Torque		10.2 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		15.7 LB-FT	
NEMA Design Code		L	KVA Code	K		Starting Current	105 A
Service Factor (S.F.)		1.15		No-load Current		5.12 A	
NEMA Nom. Eff.		83.8	Power Factor	90	Line-line Res. @ 25°C		0.42539 Ω A Ph 1.0691 Ω B Ph
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	34°C
S.F. Amps						Temp. Rise @ S.F. Load	41°C

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	79	86	90	92	93	91
Efficiency	67.5	79.8	83.5	84.2	83.2	80.9	83.6
Speed	1787	1777	1766.1	1753.9	1739.6	1722.1	1745
Line amperes	5.8	7.77	10.1	12.8	15.9	19.4	14.7

ABB Motors and Mechanical Inc.

WINDING # 35WGG129

Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 1750 RPM 115 V 3536LC

TORQUES (LB-FT): PO=12.8 PU=10.2 LR=15.7 LRA=105





