

ABB BALDOR RELIANCE III

Customer information packet

HIC274A

.33HP, 1725RPM, 1PH, 60HZ, 48Z, 3414C, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	48Z
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	.330 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	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.200 A @ 230.0 V 4.400 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	66.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.2 a
Insulation Class	F

Part Detail

Revision	L
Type	AC
Mech. spec.	34M259
Base	
Status	PRD/A
Elec. spec.	34WGR069
Layout	34LYM259
Eff. date	10-28-2024
CD Diagram	CD0804A01
Poles	04
Leads	9#18
Proprietary	False
Created date	06-03-2013

Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3414C
Mounting Arrangement	F1
Number of Poles	4
Overall Length	10.09 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Multiple Flats
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	Shaft 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
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	WG
Winding Thermal 2	None

Nameplate

NP1257L												
CAT.NO.	HIC274A											
SPEC.	34M259R069G1											
HP	.33											
VOLTS	115/230											
AMP	4.4/2.2											
RPM	1725											
FRAME	48Z			HZ		60		PH		1		
SER.F.	1.00	CODE	H	DES	-	CL	F					
NEMA-NOM-EFF	66	PF	75									
RATING	40C AMB-CONT											
CC												
DE	6203	ODE	6203									
ENCL	TEAO	SN										

AC Induction Motor Performance Data

Record # 43213

Typical performance - not guaranteed values

Winding: 34WGR069-R001			Type: 3414C		Enclosure: TEAO	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.33 AIR OVER	Full Load Torque		1.01 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		4.4/2.2	Breakdown Torque		3.21 LB-FT	
R.P.M.		1725	Pull-up Torque		0.498 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		0.611 LB-FT	
NEMA Design Code		- KVA Code	Starting Current		9.41 A	
Service Factor (S.F.)		1	No-load Current		1.66 A	
NEMA Nom. Eff.		66 Power Factor	Line-line Res. @ 25°C		8.3747 Ω A Ph 7.1689 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load			

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	47	59	69	75	80	84
Efficiency	35.9	53.3	62.8	68.4	71.3	72.9
Speed	1782.8	1770.3	1756	1741.4	1724.1	1705.6
Line amperes	1.69	1.76	1.91	2.11	2.32	2.59

ABB Motors and Mechanical Inc.

WINDING # 34WGR069

Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 1725 RPM 230 V 3414C

TORQUES (LB-FT) : PO=3.21 PU=0.498 LR=0.611 LRA=9.41





