

ABB BALDOR RELIANCE III

Customer information packet

RM3154

1.5HP, 1725RPM, 3PH, 60HZ, 56/56H, 3520M, OPEN

Class -

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	56HH
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.800 A @ 460.0 V 5.200 A @ 208.0 V 5.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	77.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.8 a

Part Detail

Revision	E
Type	AC
Mech. spec.	34K065
Base	
Status	NLA/A
Elec. spec.	34WGX116
Layout	34LYK065
Eff. date	04-28-2015
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-01-0001

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3432M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.97 IN
Power Factor	65
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 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.									
SPEC.	34K065X116G1								
HP	1.5								
VOLTS	208-230/460								
AMP	5.2-5.6/2.8								
RPM	1725								
FRAME	56H			HZ	60			PH	3
SER.F.	1.15	CODE		M	DES	B	CLASS	B	
NEMA-NOM-EFF	77	PF		65					
RATING	40C AMB-CONT								
CC									
DE	6203			ODE	6203				
ENCL	OPEN	SN							

AC Induction Motor Performance Data

Record # 20837

Typical performance - not guaranteed values

Winding: 34WGX116-R002			Type: 3432M		Enclosure: OPEN	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5	Full Load Torque		4.56 LB-FT	
Volts		208-230/460	Start Configuration		direct on line	
Full Load Amps		5.2-5.6/2.8	Breakdown Torque		21.7 LB-FT	
R.P.M.		1725	Pull-up Torque		17.8 LB-FT	
Hz		60	Phase		3	
NEMA Design Code		B	KVA Code		M	
Service Factor (S.F.)		1.15	No-load Current		19.6 A	
NEMA Nom. Eff.		77	Power Factor		65	
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps					Temp. Rise @ S.F. Load	
					Locked-rotor Power Factor	
					Rotor inertia	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	65	72	77	69
Efficiency	58.7	72.3	76.6	78.1	77.9	76.8	78
Speed	1780	1762	1744	1724	1701	1677	1710
Line amperes	2.16	2.3	2.51	2.8	3.14	3.54	3

ABB Motors and Mechanical Inc.

WINDING # 34WGX116

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1725 RPM 460 V 3432M

TORQUES (LB-FT): PO=21.7 PU=17.8 LR=19.3 LRA=19.6





