

ABB BALDOR RELIANCE III

Customer information packet

BM3569

.33HP, 1725RPM, 3PH, 60HZ, 56, BRAKE, 3416M

Class - None

Division - Not Applicable

Specifications

Enclosure	TENV
Frame	56
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	.330 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Brake Torque	3.0 lb-ft
Current @ Voltage	1.500 A @ 208.0 V 1.400 A @ 230.0 V .700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Brake Mounting

Part Detail

Revision	AB
Type	AC
Mech. spec.	34K044
Base	
Status	PRD/A
Elec. spec.	34WG0116
Layout	34LYK044
Eff. date	10-28-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.7 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3416M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.36 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	0.625 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.	BM3569										
SPEC.	34K44-116-B										
HP	.33										
VOLTS	208-230/460										
AMP	1.5-1.4/.7										
RPM	1725										
FRAME	56		HZ	60				PH	3		
SER.F.	1.00		CODE	K	DES	B		CLASS		B	
NEMA-NOM-EFF	70		PF	64							
RATING	40C AMB-CONT										
CC											
DE	6203		ODE	6203							
ENCL	TENV		SN								

AC Induction Motor Performance Data

Record # 6545

Typical performance - not guaranteed values

Winding: 34WG0116-R001			Type: 3416M	Enclosure: TENV			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.33	Full Load Torque		1 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		1.5-1.4/.7	Breakdown Torque		4.9 LB-FT		
R.P.M.		1725	Pull-up Torque		3.35 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		3.75 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		4.3 A
Service Factor (S.F.)			1	No-load Current		0.54 A	
NEMA Nom. Eff.		70	Power Factor	64	Line-line Res. @ 25°C		39.4 Ω
Rating - Duty			40C AMB-CONT	Temp. Rise @ Rated Load		60°C	

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	28	41	52	61	68	73
Efficiency	50	65	72	75.5	77	77
Speed	1784	1771	1758	1744	1729	1713
Line amperes	0.55	0.58	0.62	0.67	0.73	0.81

ABB Motors and Mechanical Inc.

WINDING # 34WG0116

Typical performance - not guaranteed values.

0.33 HP 3 PH 60 HZ 1725 RPM 460 V 3416M

TORQUES (LB-FT) : PO=4.9 PU=3.35 LR=3.75 LRA=4.3





