

ABB BALDOR RELIANCE III

Customer information packet 1250

2HP, 1800RPM, 1PH, 60HZ, 3634L, BUFF

Specifications

Enclosure	TENV
Frame Material	Steel
Frequency	60.00 Hz 60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Nameplate Output	2
Number of Poles	4 4
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1 1
Product Style	GRINDER
Speed	1800 rpm 1800 rpm
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage	115 V 230 V
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	UR
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	20.000 A @ 115.0 V 10.000 A @ 230.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	4 @ 16 AWG
Motor Standards	Other
Motor Type	3634L

Part Detail

Revision	Y
Type	AC
Mech. spec.	G12-120
Base	
Status	PRD/A
Elec. spec.	G2WG0002
Layout	G2LY0120
Eff. date	10-20-2025
CD Diagram	CD0253
Poles	04
Leads	4#16 12" FROM IRON Y
Proprietary	False
Created date	01-01-0001

Mounting Arrangement	F1
Overall Length	39.32 IN
Product Family	Buffer
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3352L			
CAT.NO.	1250		
HP	2	VOLTS	115/230
PHASE	1	AMPS	20/10
HZ	60	RPM	1800
SER.NO			
SPEC.	G12-120A-0002		
BLANK			

Accessories

Part number	Description	Multiplier
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8
BQ1-015-CC	1PH Brake, NEMA 1,110-125 VAC, 50/60Hz	P1
BQ1-015-CP	1PH Brake, Panel 110-125 VAC, 50/60 Hz	
BQ2-015-CC	1PH Brake,NEMA 1 208-230 VAC,50/60Hz	
BQ2-015-CP	1PH Brake, Panel 208-230 VAC, 50/60 Hz	

AC Induction Motor Performance Data

Record # 21971

Typical performance - not guaranteed values

Winding: G2WG0002-R001			Type: 3634L		Enclosure: TENV	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		2	Full Load Torque			6 LB-FT
Volts		115/230	Start Configuration			direct on line
Full Load Amps		20/10	Breakdown Torque			14 LB-FT
R.P.M.		1800	Pull-up Torque			11.8 LB-FT
Hz	60 Phase	1	Locked-rotor Torque			14.2 LB-FT
NEMA Design Code	- KVA Code	-	Starting Current			58.6 A
Service Factor (S.F.)		1	No-load Current			6.04 A
NEMA Nom. Eff.	0 Power Factor	0	Line-line Res. @ 25°C			0.997 Ω A Ph 0.665 Ω B Ph
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load			

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	49	64	73	79	82	86
Efficiency	50.6	64.5	68.3	68.7	66.4	64.6
Speed	1782	1770	1756	1739	1720	1696
Line amperes	6.7	7.99	9.76	11.9	14.6	17

ABB Motors and Mechanical Inc.

WINDING # G2WG0002

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1800 RPM 230 V 3634L

TORQUES (LB-FT): PO=14 PU=11.8 LR=14.2 LRA=58.6





