

ABB BALDOR RELIANCE III

Customer information packet

CDRXL050744

.75HP, 1750RPM, 1PH, 60HZ, 56C, 3522L, XPFC, F1

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	XPFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 208.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	CSA UL
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	5.000 A @ 230.0 V 4.850 A @ 208.0 V 10.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C

Part Detail

Revision	F
Type	AC
Mech. spec.	35X723
Base	
Status	PRD/A
Elec. spec.	35WGG393
Layout	35LYX723
Eff. date	05-29-2026
CD Diagram	CD0001
Poles	04
Leads	6#18
Proprietary	False
Created date	08-01-2022

Heater Indicator	No Heater
High Voltage Full Load Amps	4.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X3522L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.17 IN
Power Factor	69
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0977XPSL													
NO.								CC					
SER.								TEMP CODE	T3C				
SPEC.	35X723G393												
CAT.NO.	CDRXL050744												
HP	.75												
VOLTS	115/208-230												
AMPS	10/4.85-5												
RPM	1750				MOTOR WEIGHT				39				
HERTZ	60	PH	1	CL	F	DE BRG	6205						
SER.F.	1.15	DES	N	CODE	L	ODE BRG		6203					
FRAME	56C	GREASE			POLYREX EM								
RATING	40C AMB-CONT												
				NEMA-NOM-EFF				70	PF	69			
NEMA MG-1 PT 5,IP55													

AC Induction Motor Performance Data

Record # 89062

Typical performance - not guaranteed values

Winding: 35WGG393-R003			Type: 3522L		Enclosure: XPFC	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		.75	Full Load Torque		2.24 LB-FT	
Volts		115/208-230	Start Configuration		direct on line	
Full Load Amps		8.7/4.35	Breakdown Torque		4.86 LB-FT	
R.P.M.		1720	Pull-up Torque		4 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		8.91 LB-FT	
NEMA Design Code		N KVA Code	Starting Current		59.09 A	
Service Factor (S.F.)		1.15	No-load Current		4.92 A	
NEMA Nom. Eff.	70 Power Factor	79	Line-line Res. @ 25°C		1.14 Ω A Ph 1.85 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		55°C	
S.F. Amps			Temp. Rise @ S.F. Load		67°C	
			Locked-rotor Power Factor		97	
			Rotor inertia		0.159 lb-ft²	

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	58	70	77	82	85	80
Efficiency	57.2	69.2	71.9	72.1	70	66	70.8
Speed	1784	1770	1754	1737	1716	1687	1724
Line amperes	5.24	6.06	7.22	8.64	10.38	12.49	9.68

ABB Motors and Mechanical Inc.

WINDING # 35WGG393

Typical performance - not guaranteed values.

0.75 HP 1 PH 60 HZ 1720 RPM 115 V 3522L

TORQUES (LB-FT) : PO=4.86 PU=4 LR=8.91 LRA=59.09





