

ABB BALDOR RELIANCE III

Customer information packet

EPCL1322M

2HP, 1760RPM, 1PH, 60HZ, 56C, 3546LC, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	2.000 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	CURUSEEV
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	16.400 A @ 115.0 V 8.200 A @ 230.0 V 9.200 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.2 a
Insulation Class	F

Part Detail

Revision	C
Type	AC
Mech. spec.	35K267
Base	
Status	PRD/A
Elec. spec.	35WGG890
Layout	35LYK267
Eff. date	08-22-2025
CD Diagram	CD0881
Poles	04
Leads	6#16,1#14 #4TH
Proprietary	False
Created date	02-24-2025

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3546LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.32 IN
Power Factor	92
Product Family	General Purpose
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	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP3432L											
CAT.NO.	EPCL1322M										
SPEC.	35K267G890G1										
HP	2										
VOLTS	115/230										
AMP	16.4/8.2										
RPM	1760										
FRAME	56C		HZ	60				PH	1		
SER.F.	1.15	CODE	K	DES	L	CL	F				
F.L. AVG. EFF.	84.5	PF	92								
RATING	40C AMB-CONT										
CC											
DE	6205		ODE	6203							
ENCL	OPEN	SN									

Parts List

Part number	Description	Quantity
SA435149	SA 35K267G890G1	1.000 ea
RA427454	RA 35K267G890G1	1.000 ea
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	1.000 ea
TPBRT41DB	THERMAL 1PH 1.25 MAN 120CWELDED	1.000 ea
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 ea
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 ea
TP5059	GENERIC WELDED THERMAL, 7" LEAD KIT	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 ea
35EP3209G00	MASTER ODE,203 BRG	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
35CB3801	CAPACITOR COVER, CAST	1.000 ea
HA7010	CAPACITOR RETENTION CLAMP	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3402C00	MASTER DE,205 BRG,OPEN	1.000 ea
35AD2000	AIR BAFFLE - GALVANNEAL	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 ea
35CB3007A74	35 CB .88 DIA @ 6:00, 1.25 MTO @ 3:00 (H	1.000 ea
HA6015A09	THERMAL RETAINER PLATED	1.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea

WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.017 ga
HA3100A24	THRUBOLT 10-32 X 10.625	4.000 ea
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LB1542	MYLAR LABEL "CAUTION - USE SUPPLY WIRES	1.000 ea
NP3432L	ALUM C-UR-US CC THERMALLY PROTECTED"SEMS	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LC0008	CONNECTION LABEL	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000011	ZRTG PE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data

Record # 112162

Typical performance - not guaranteed values

Winding: 35WGG890-R002			Type: 3546LC		Enclosure: OPEN			
Nameplate Data			115 V, 60 Hz: Low Voltage Connection					
Rated Output (HP)		2	Full Load Torque		5.988 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		16.4/8.2	Breakdown Torque		19.1 LB-FT			
R.P.M.		1775	Pull-up Torque		11.3 LB-FT			
Hz		60	Phase		1	Locked-rotor Torque	16.9 LB-FT	
NEMA Design Code		L	KVA Code		K	Starting Current		145 A
Service Factor (S.F.)		1.15		No-load Current		4.95 A		
NEMA Nom. Eff.		84.5	Power Factor		92	Line-line Res. @ 25°C		0.33795 Ω A Ph 1.5355 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		58°C		
S.F. Amps				Temp. Rise @ S.F. Load		71°C		

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	73	86	91	94	95	95	95
Efficiency	72	81.8	84.7	84.8	83.3	80.7	83.9
Speed	1790	1782	1772	1761	1749	1734	1754
Line amperes	6.36	9.3	12.6	16.4	20.6	25.5	18.9

ABB Motors and Mechanical Inc.

WINDING # 35WGG890

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1775 RPM 115 V 3546LC

TORQUES (LB-FT): PO=19.1 PU=11.3 LR=16.9 LRA=145





