

ABB BALDOR RELIANCE III

Customer information packet

CESSWDM3610T

3HP, 3500RPM, 3PH, 60HZ, 182TC, 3624M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 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
Current @ Voltage	7.900 A @ 208.0 V 7.400 A @ 230.0 V 3.700 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AE
Type	AC
Mech. spec.	36L738
Base	
Status	PRD/A
Elec. spec.	36WGT861
Layout	36LYL738
Eff. date	11-24-2025
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	02-15-2010

High Voltage Full Load Amps	3.7 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3624M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.82 IN
Power Factor	87
Product Family	Wash Down All Stainless Steel
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1951B01											
CAT.NO.	CESSWDM3610T										
SPEC.	36L738T861G1										
HP	3										
VOLTS	230/460										
AMP	7.4/3.7										
RPM	3500										
FRAME	182TC			HZ	60				PH	3	
SER.F.	1.15		CODE	M	DES	A		CLASS		F	
NEMA-NOM-EFF	88.5			PF	87						
RATING	40C AMB-CONT										
CC	010A										
DE	6206			ODE	6205						
ENCL	TEFC		SN								
	4:1CT 20:1VT										

Parts List

Part number	Description	Quantity
SA190872	SA 36L738T861G1	1.000 ea
RA178537	RA 36L738T861G1	1.000 ea
34FN3002B02	EXTERNAL FAN, PLASTIC, .905/.907 HUB W/	1.000 ea
36CB1003A01	CONDUIT BOX	1.000 ea
51XN1032A08	10-32 X 0.500 HX WS SL SR ZN	2.000 ea
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 ea
36EP1907A01	FRONT TEFC 205 BRG NO GRSR S/P 9-2 (STAI	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 ea
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP1908A03	PUEP, FOR LOCKED 6206 BRG	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 ea
10XN2520S28	1/4-20X 1 3/4 HEX HD SS X	4.000 ea
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 ea
HA1049A02	DUBO LOK WASHER SIZE 1/4 (NYLON LOCK SEA	4.000 ea
36FH4011	WASHDOWN FAN COVER #304 STAINLESS W/NOTC	1.000 ea
10XN1032S06	HEX HD CAP SCREW, SS	3.000 ea
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 ea
37GS3010SP	1/16"WHITE LID GASKET	1.000 ea
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 ea
HW4606A03	JM CLIPPER/SEAL (LWE-1156-1875-AL44)	1.000 ea
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
HA3101S42	THRUBOLT-1/4-20 X11.50 SSTDR#94334	4.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea

MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
36GS1024	36 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 ea
FE-0000007	ZRTG FE ASSEMBLY	1.000 ea
PE-0000012	ZRTG PE ASSEMBLY	1.000 ea

ABB Motors and Mechanical Inc.

WINDING # 36WGT861

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 3500 RPM 460 V 3624M

TORQUES (LB-FT): PO=29.8 PU=16.5 LR=17.7 LRA=37.7





