

ABB BALDOR RELIANCE III

Customer information packet

ECS101T3K2P2ED4

2.2KW, 1500RPM, 3PH, 50HZ, D112D, 3624B, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D112D
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Brushless Wound Field PM Rotor
Output @ Frequency	2.200 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	380.0 V @ 50 HZ
Agency Approvals	WEEE UKCA CULUS CE BLUETOOTH
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	5
Current @ Voltage	4.400 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Heater Indicator	No Heater

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGA0025
Layout	36LYT523
Eff. date	05-08-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#16 19" LONG LEADS
Proprietary	False
Created date	01-11-2023

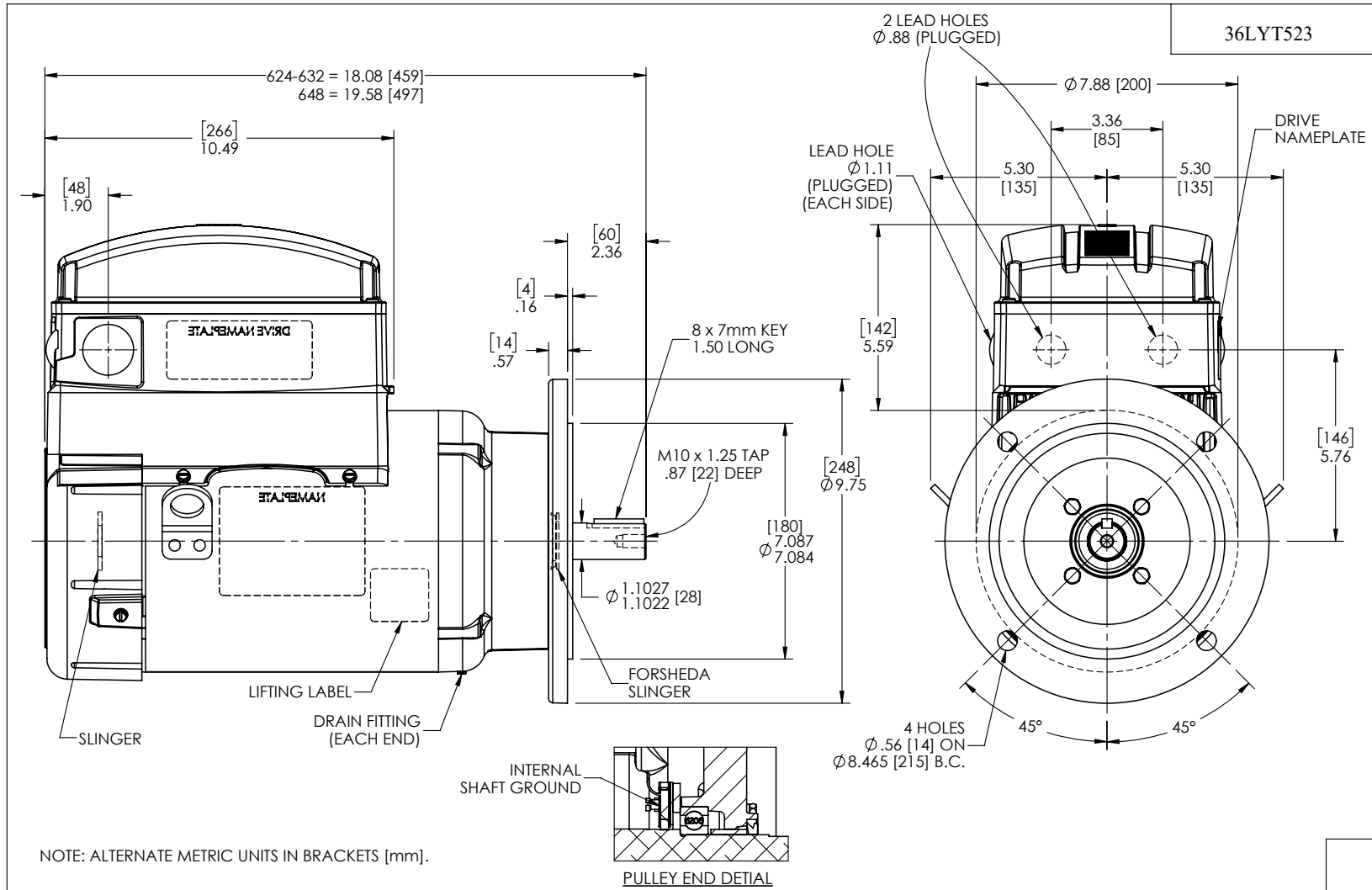
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Inverter Duty
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3624B
Mounting Arrangement	B5
Number of Poles	4
Overall Length	18.08 IN
Power Factor	96
Product Family	General Purpose
Pulley Face Code	D-Flange
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.103 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1500 rpm
Speed Code	Single Speed
Starting Method	INVERTER SPECIAL
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3978A01					
PART NO.	ECIN4A5P8				
U1	400	PH	3	HZ	50
I1	5.2	W/EXT. CHOKE			4.3
SERIAL #					

NP3968B01A01

CAT.NO.	ECS101T3K2P2ED4						
SPEC.	36-0000-3646			YR			
FRAME	D112D	IP	55	WT.	84		
KW	2.2	HZ	50	PH	3	DUTY-IPM	CONT
INS CL	F	CLASS RISE			AMB-C	40	
EFF. CL	IE5	EFF	91.4	COSφ	96		
VOLTS	380	FLA	4.4				
1/MIN	1500			1/MIN MAX	3000		
BEMF (V)	212			RS (OHMS)	3.88		
LD (MH)	57.7			LQ (MH)	217.7		
VPWM	CP =	50	TO	100			
CT	5	TO	50	VT	1	TO	100
MATCHED INV	ECIN4A5P8						
DE	6206	ODE	6205				
SERIAL #							



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT ABB'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

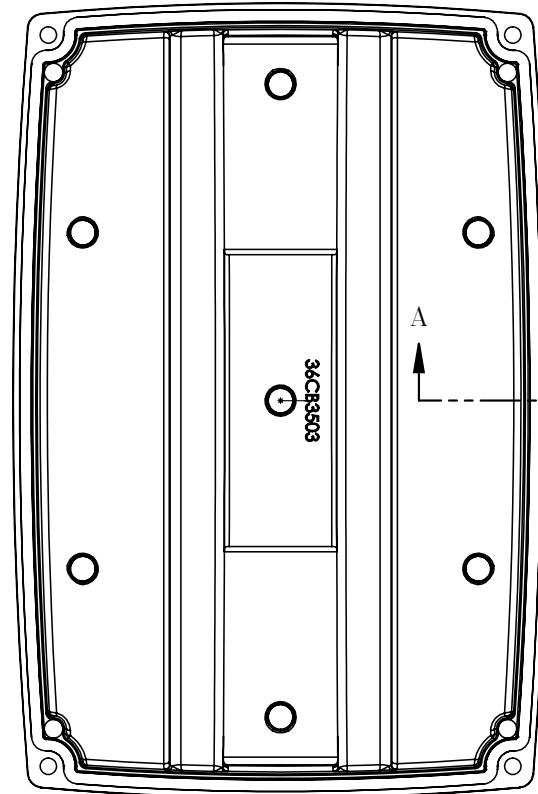
REV. DESC: NEW				
REV: -	VERSION: 00	BY: ENFRAJ0	REVISED: 04:24:12 01/19/2023	TDR: 000001201462
36LYT523		MODEL NO. 36LYT523	REF: -	
		Material: -		

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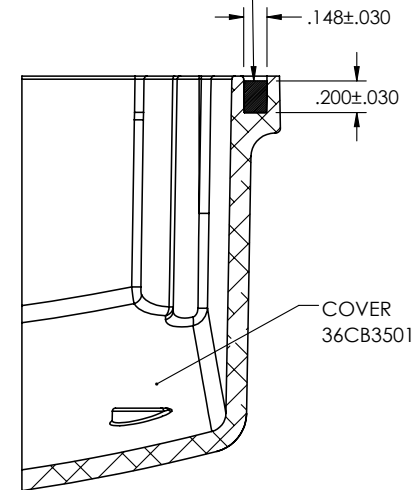
VER D112D B5 TEFC B TOP MOUNT DRV INT SH GND ECS

36LYT523

36CB3503A00



MATERIAL: RAMPF, RAKU-PUR 32-3280-51L



SECTION A-A

36CB3503A00

REV. DESC: NEW

REV: -	VERSION: 00	REVISED: 09:13:16 01/15/2020	TDR: 000001129989
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MODEL NO. 36CB3503A00

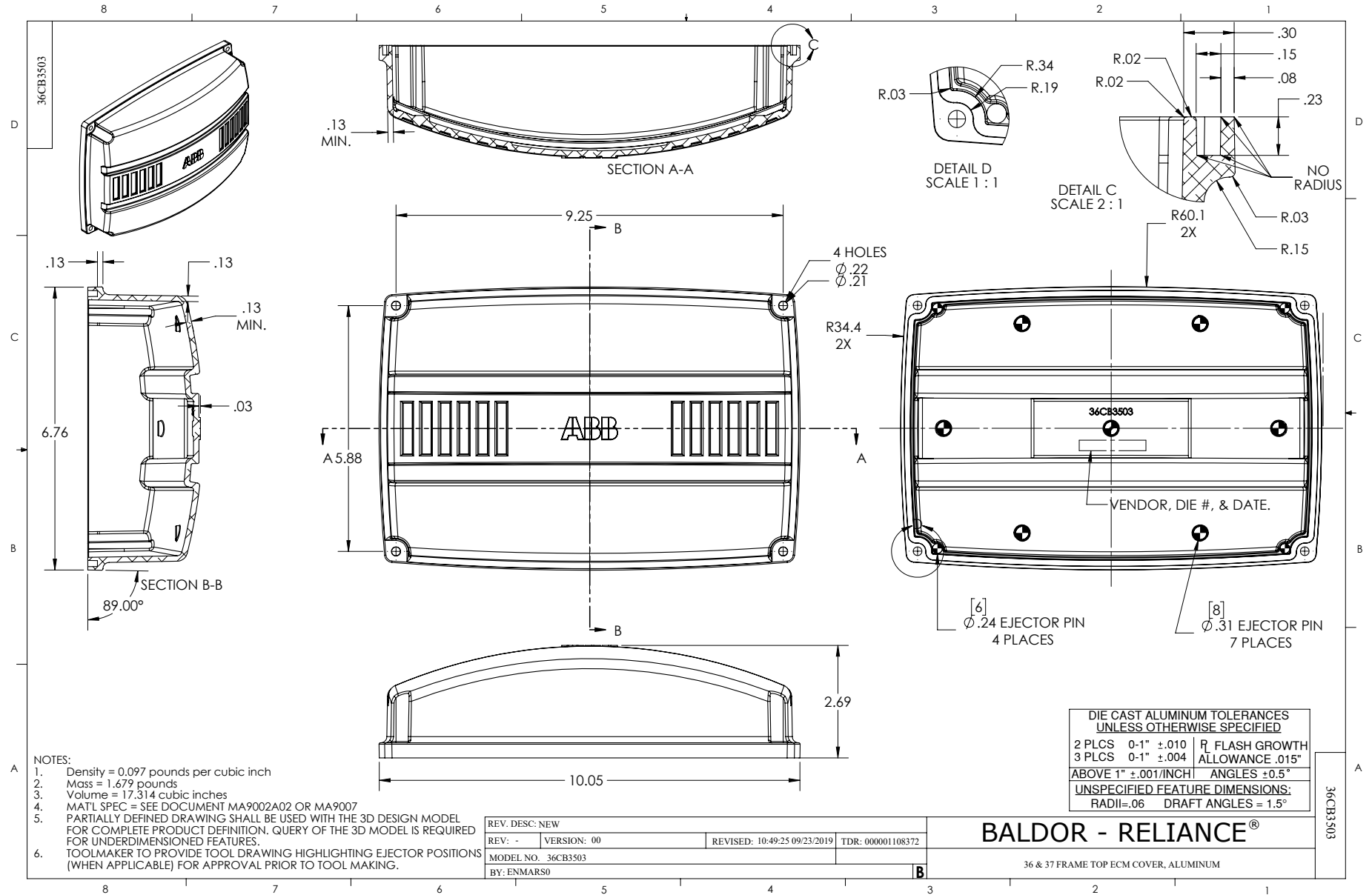
REF: -

BY: ENMARS0

Material: -

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36 & 37 FRAME TOP ECM ALUMINUM COVER WITH FOAM SEAL



CD0006B03



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.

REV. DESC: CHANGE LEAD COLORS TO BLUE WHITE ORANGE		
REV. LTR: A	VERSION: 01	TDR: 000001158598
FILE: \AAA\00252\917	REVISED: 11:01:03 01/19/2021	BY: ENMARSO
MTL: -	© □	

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3PH, SV, 3 LEADS, WYE CONNECTED, ECS

SH 1 of 1

CD0006B03