ABB BALDOR RELIANCE

Customer information packet

ECS101M0K2P2DF4

2.2KW, 1800RPM, 3PH, 50HZ, D90S, 3532B, TEFC, B
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	D90S
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	1800 RPM @ 50 HZ
Voltage @ Frequency	380.0 V @ 50 HZ
	190.0 V @ 50 HZ
Agency Approvals	CE
	CULUS
	UKCA
	WEEE
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
Constant Torque Speed Range	5
Current @ Voltage	7.100 A @ 190.0 V
	3.550 A @ 380.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.8 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D

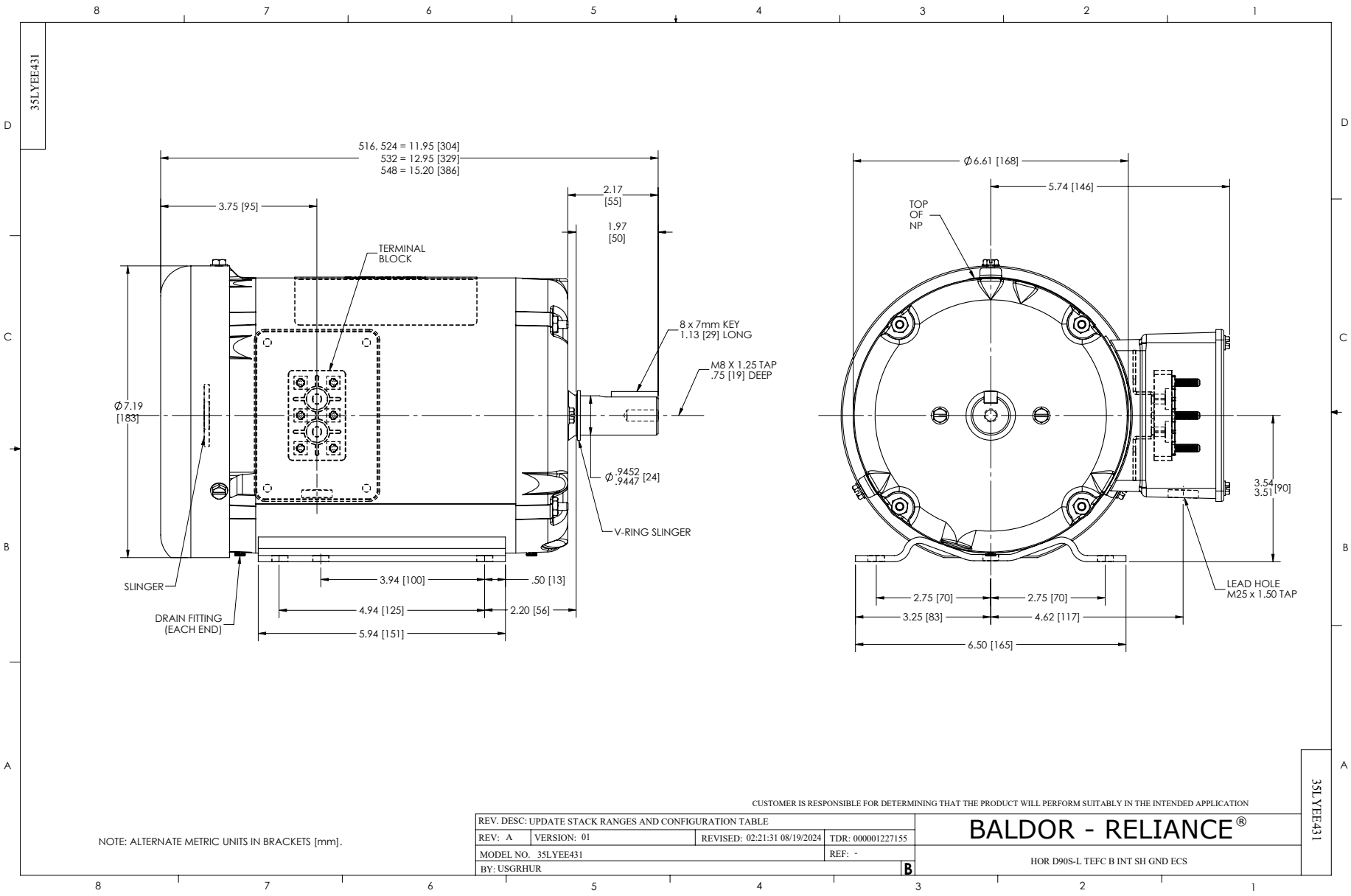
Part Detail

Revision	E
Type	AC
Mech. spec.	35EE431
Base	
Status	PRD/A
Elec. spec.	35WGG984
Layout	35LYEE431
Eff. date	02-12-2026
CD Diagram	CD0005A25
Poles	04
Leads	9#16 Y
Proprietary	False
Created date	03-18-2024

Heater Indicator	No Heater
High Voltage Full Load Amps	3.6 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 116 AWG
Motor Lead Termination	Terminal Block
Motor Standards	IEC
Motor Type	3532B
Mounting Arrangement	B3
Number of Poles	4
Overall Length	13.83 IN
Power Factor	99
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	Y
Service Factor	1.15
Shaft Diameter	0.945 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1800 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

NP3968B01A01									
CAT.NO.	ECS101M0K2P2DF4								
SPEC.	35EE431G984				**YR**				
FRAME	D90S		**IP**	55	**WT.**	55			
KW	2.2	**HZ**	50		**PH**	3	**DUTY-IPM**	CONT	
INS CL	F		**CLASS RISE**				**AMB-C**	40	
EFF. CL	IE5	**EFF**	91.8		**COS0**	99			
VOLTS	190/380		**FLA**	7.1/3.55					
1/MIN	1500				**1/MIN MAX**	3000			
BEMF (V)	222				**RS (OHMS)**	6.72/1.68			
LD (MH)	13/52				**LQ (MH)**	45.8/183			
VPWM	**CP =**	50		**TO**	100				
CT	5	**TO**	50	**VT**	5	**TO**	50		
MATCHED INV	ACS380-04xx-12A7-1 / 06A3-4								
DE	6205		**ODE**	6203					
SERIAL #									



NOTE: ALTERNATE METRIC UNITS IN BRACKETS [mm].

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

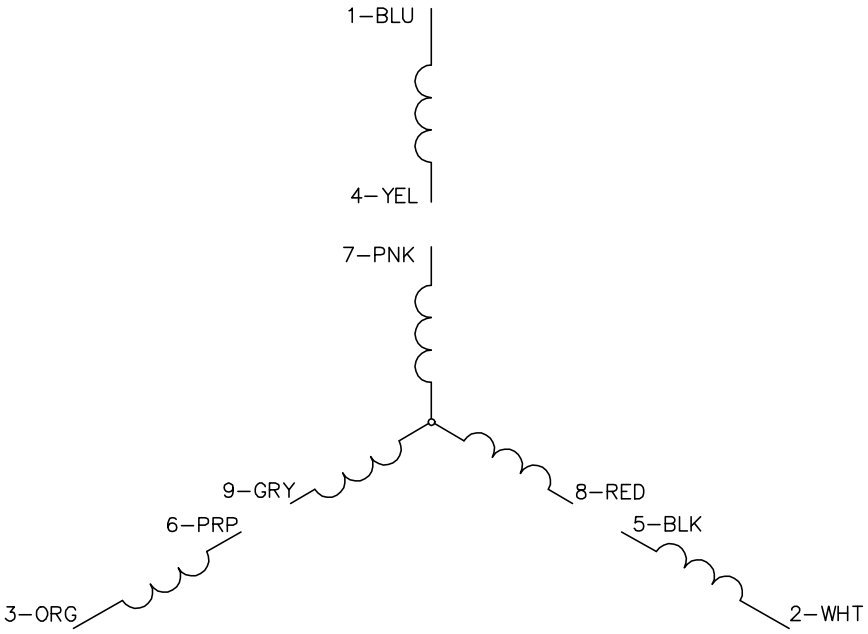
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MODEL NO. 35LYEE431			REF: -
BY: USGRHUR			B

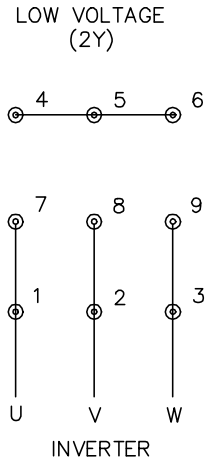
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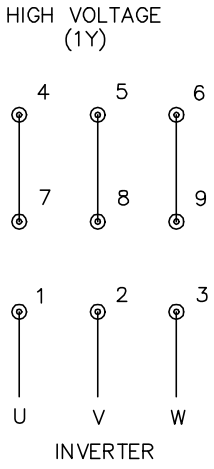
HOR D90S-L TEFC B INT SH GND ECS

35LYEE431

CD0005A25







NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

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REV. DESC: NEW		
REV. LTR: –	VERSION: 00	TDR: 000001135746
FILE: \AAA\00253\082	REVISED: 01:10:57 03/30/2020	BY: ENMARSO
MTL: –		

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3PH, DV, 9 LEADS, ECS

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