ABB BALDOR RELIANCE

Customer information packet

ECS101T3K0P8DC4

.75KW, 1500RPM, 3PH, 50HZ, D90C, 3516B, TEFC, B
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/16/2026 3:05:00 PM

Specifications

Enclosure	TEFC
Frame	D90C
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	.750 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	380.0 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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	5
Current @ Voltage	1.400 A @ 380.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Heater Indicator	No Heater
High Voltage Full Load Amps	1.4 a

Part Detail

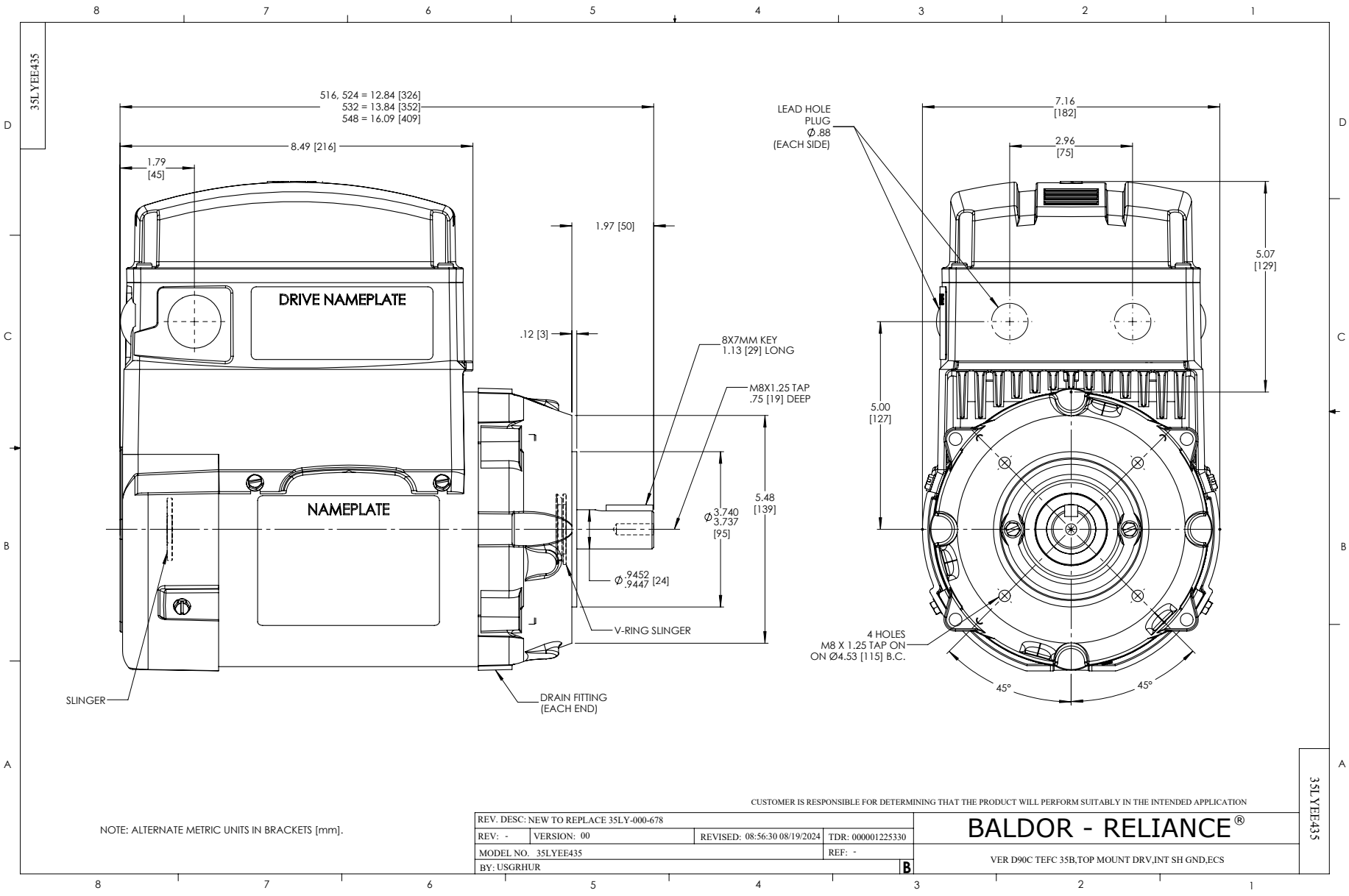
Revision	B
Type	AC
Mech. spec.	35EE435
Base	
Status	PRD/A
Elec. spec.	35WGG965
Layout	35LYEE435
Eff. date	11-15-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#14 13" LONG LEADS Y
Proprietary	False
Created date	04-16-2024

Insulation Class	F
Inverter Code	03
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3516B
Mounting Arrangement	B14
Number of Poles	4
Overall Length	12.84 IN
Power Factor	97
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.945 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1500 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

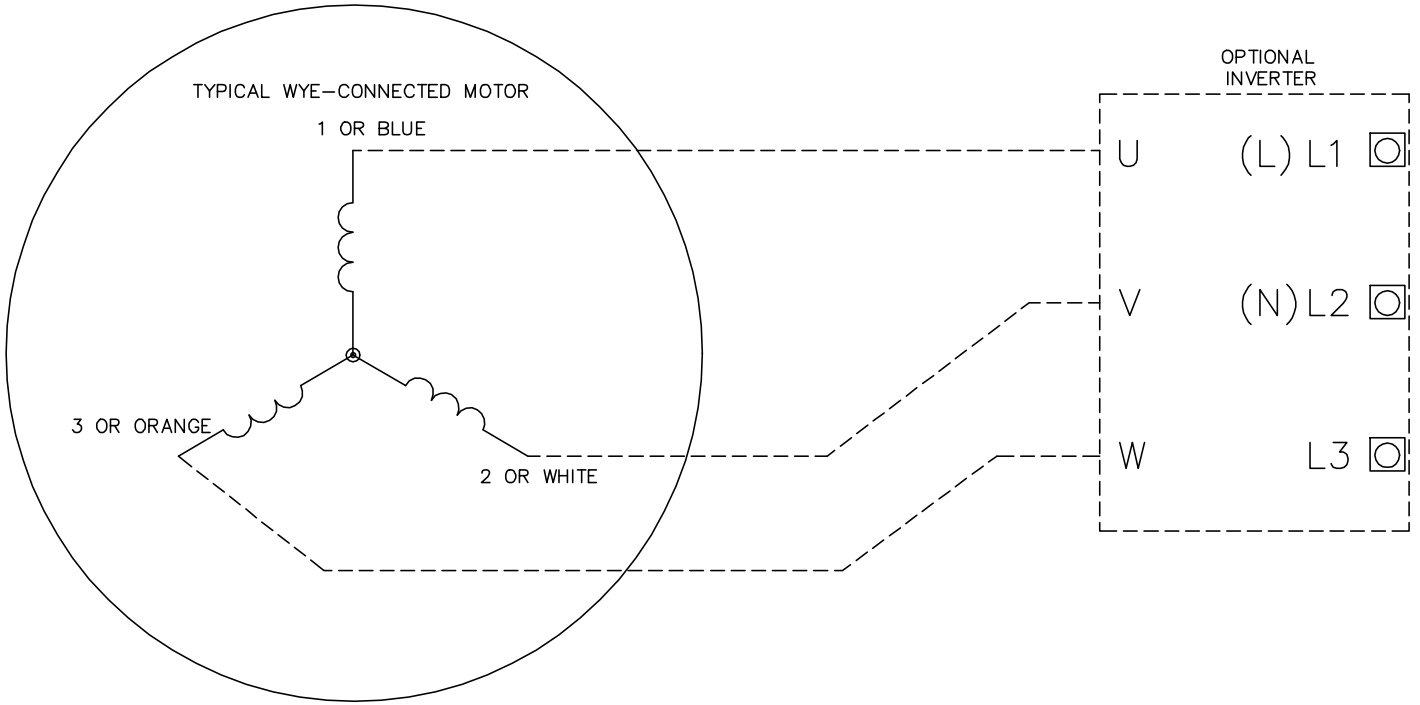
Nameplate

NP3968B01A01									
CAT.NO.	ECS101T3K0P8DC4								
SPEC.	35EE435G965				**YR**				
FRAME	D90C		**IP**	55	**WT.**	36			
KW	.75	**HZ**	50		**PH**	3	**DUTY-IPM**	CONT	
INS CL	F		**CLASS RISE**				**AMB-C**	40	
EFF. CL	IE5	**EFF**	89.2		**COS0**	97			
VOLTS	380		**FLA**	1.4					
1/MIN	1500				**1/MIN MAX**	3000			
BEMF (V)	224				**RS (OHMS)**	19.7			
LD (MH)	117				**LQ (MH)**	544			
VPWM	**CP =**	50			**TO**	100			
CT	5	**TO**	50	**VT**	5	**TO**	50		
MATCHED INV	ECNI4A2P2								
DE	6206		**ODE**	6203					
SERIAL #									

NP3978A00					
PART NO.	ECNI4A2P2				
U1	400	**PH**	3	**HZ**	50
I1	1.8	**W/EXT. CHOKE**			1.5
SERIAL #					


35LYEE435
516, 524 = 12.84 [326]
532 = 13.84 [352]
548 = 16.09 [409]
8.49 [216]
1.79 [45]
1.97 [50]
.12 [3]
DRIVE NAMEPLATE
NAMEPLATE
8X7MM KEY 1.13 [29] LONG
M8X1.25 TAP .75 [19] DEEP
Ø3.740 3.737 [95]
5.48 [139]
Ø.9452 .9447 [24]
V-RING SLINGER
SLINGER
DRAIN FITTING (EACH END)
LEAD HOLE PLUG Ø.88 (EACH SIDE)
7.16 [182]
2.96 [75]
5.07 [129]
5.00 [127]
4 HOLES M8 X 1.25 TAP ON ON Ø4.53 [115] B.C.
45°
45°
NOTE: ALTERNATE METRIC UNITS IN BRACKETS [mm].
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW TO REPLACE 35LY-000-678
REV: - VERSION: 00 REVISED: 08:56:30 08/19/2024 TDR: 000001225330
MODEL NO. 35LYEE435 REF: -
BY: USGRHUR B
BALDOR - RELIANCE®
VER D90C TEFC 35B,TOP MOUNT DRV,INT SH GND,ECS
35LYEE435

CD0006B03



NOTES:

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

CD0006B03

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: –		

BALDOR - RELIANCE®

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

SH 1 of 1