ABB BALDOR RELIANCE

Customer information packet

ECS101A4H3DF4

3HP, 1800RPM, 3PH, 60HZ, 145T, TEFC, AXIAL
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	145T
Frame Material	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	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UL
	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	6
Current @ Voltage	3.500 A @ 460.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	3.5 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
Lifting Lugs	No Lifting Lugs

Part Detail

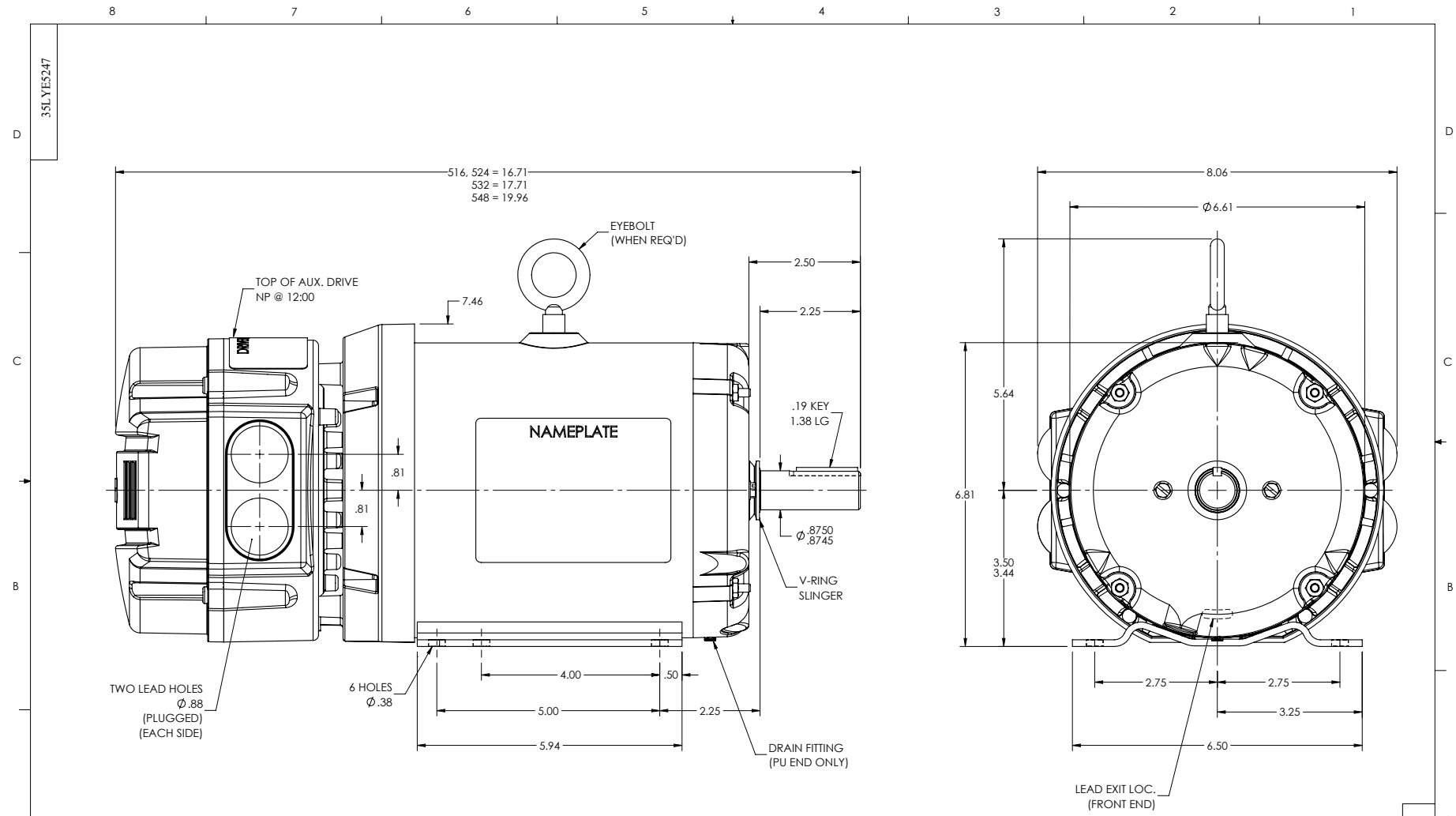
Revision	B
Type	AC
Mech. spec.	
Base	
Status	NLA/A
Elec. spec.	35WGA0023
Layout	35LYE5247
Eff. date	02-13-2023
CD Diagram	CD0006B03
Poles	04
Leads	3#16 13" LONG LEADS
Proprietary	False
Created date	07-15-2020

Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.71 IN
Power Factor	95
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.875 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

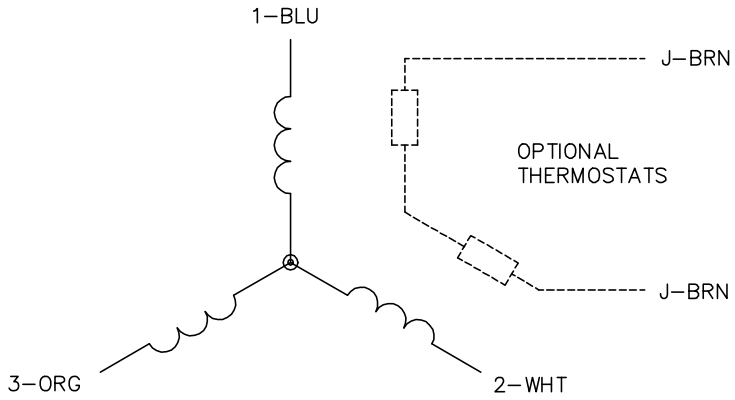
NP3978A00							
PART NO.	ECIN4A4P1						
U1	480	**PH**	3	**HZ**	60		
I1	4.7	**W/EXT. CHOKE**			3.9		
SERIAL #							

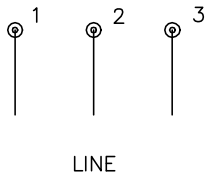
NP3968A01A01									
CAT.NO.	ECS101A4H3DF4								
SPEC.	35-0000-0862								
FRAME	145T			**ENCL.**	TEFC	**IP**	54		
HP	3		40	**C AMB**		CONT			
NOM. EFF.	91.4	**PF**	95		**SF**	1			
VOLTS	460			**FLA**	3.5				
RPM	1800			**RPM-MAX**		4000			
HZ	60		**PH.**	3	**CLASS**	F			
BEMF (V)	223				**RS (OHMS)**	6.02			
LD (MH)	68.6				**LQ (MH)**	232			
VPWM	**CHP**	60	**TO**	133					
CT	6	**TO**	60	**VT**	1	**TO**	133		
MATCHED INV	ECIN4A4P1								
DE	6205			**ODE**	6205				
SERIAL #									


35LYE5247
516, 524 = 16.71
532 = 17.71
548 = 19.96
EYEBOLT
(WHEN REQ'D)
TOP OF AUX. DRIVE
NP @ 12:00
7.46
2.50
2.25
.19 KEY
1.38 LG
NAMEPLATE
.81
.81
Ø .8750
.8745
V-RING
SLINGER
TWO LEAD HOLES
Ø .88
(PLUGGED)
(EACH SIDE)
6 HOLES
Ø .38
4.00
.50
5.00
2.25
5.94
DRAIN FITTING
(PU END ONLY)
8.06
Ø 6.61
5.64
6.81
3.50
3.44
2.75
2.75
3.25
6.50
LEAD EXIT LOC.
(FRONT END)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADDED EYEBOLT GRAPHICS
REV: K
VERSION: 10
REVISED: 09:04:43 03/19/2026
TDR: 000001272816
MODEL NO. 35LYE5247
REF: -
BY: ENJEFD0
B
BALDOR - RELIANCE®
HOR 143-5T TEFC B ODE MOUNT DRV INT SH GND ECS
35LYE5247

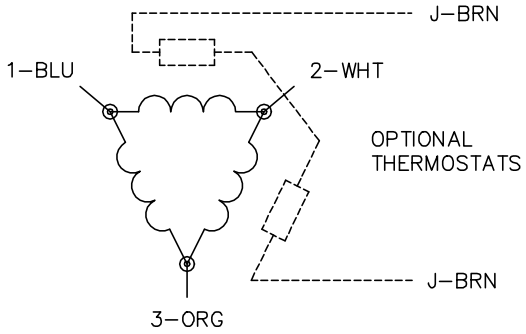
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

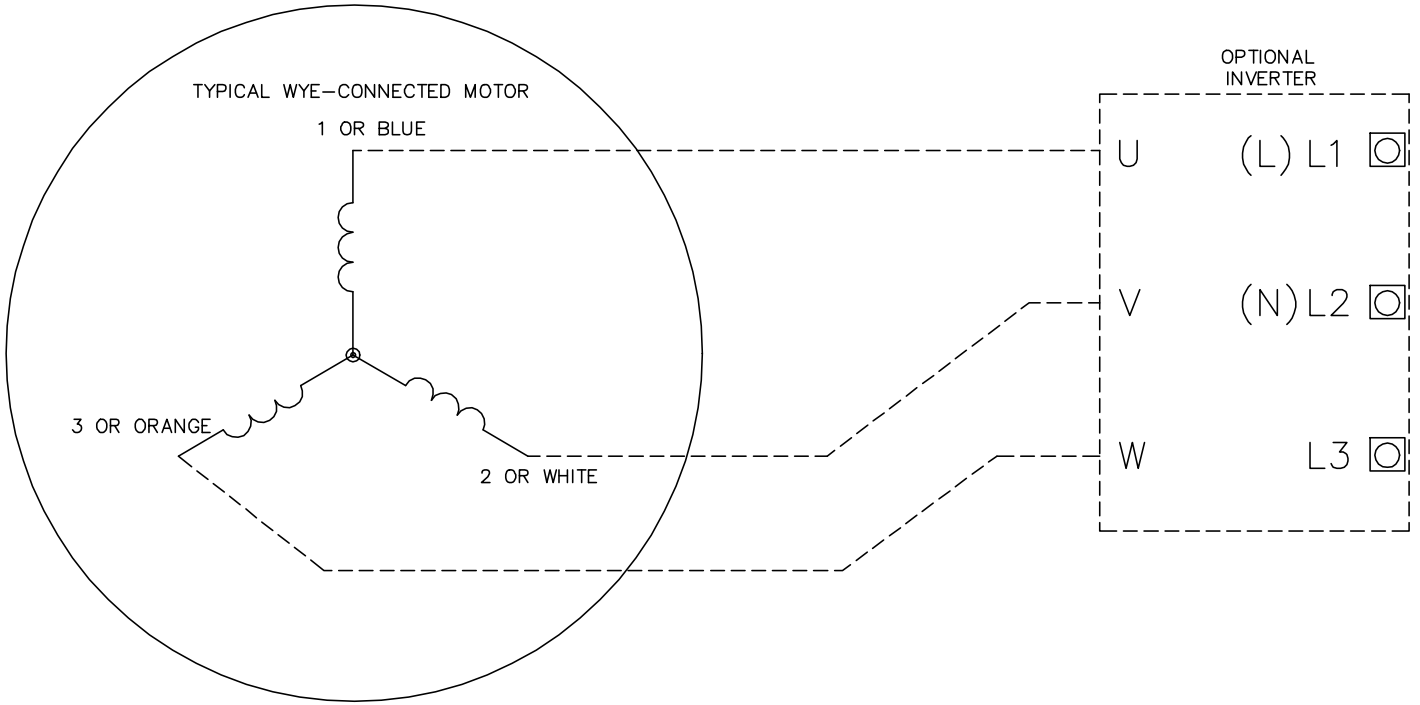
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REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1

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