

ABB BALDOR RELIANCE III

Customer information packet

ECS101A4H3DF4

3HP, 1800RPM, 3PH, 60HZ, 145T, TEFC, AXIAL

Class - None

Division - Not Applicable

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

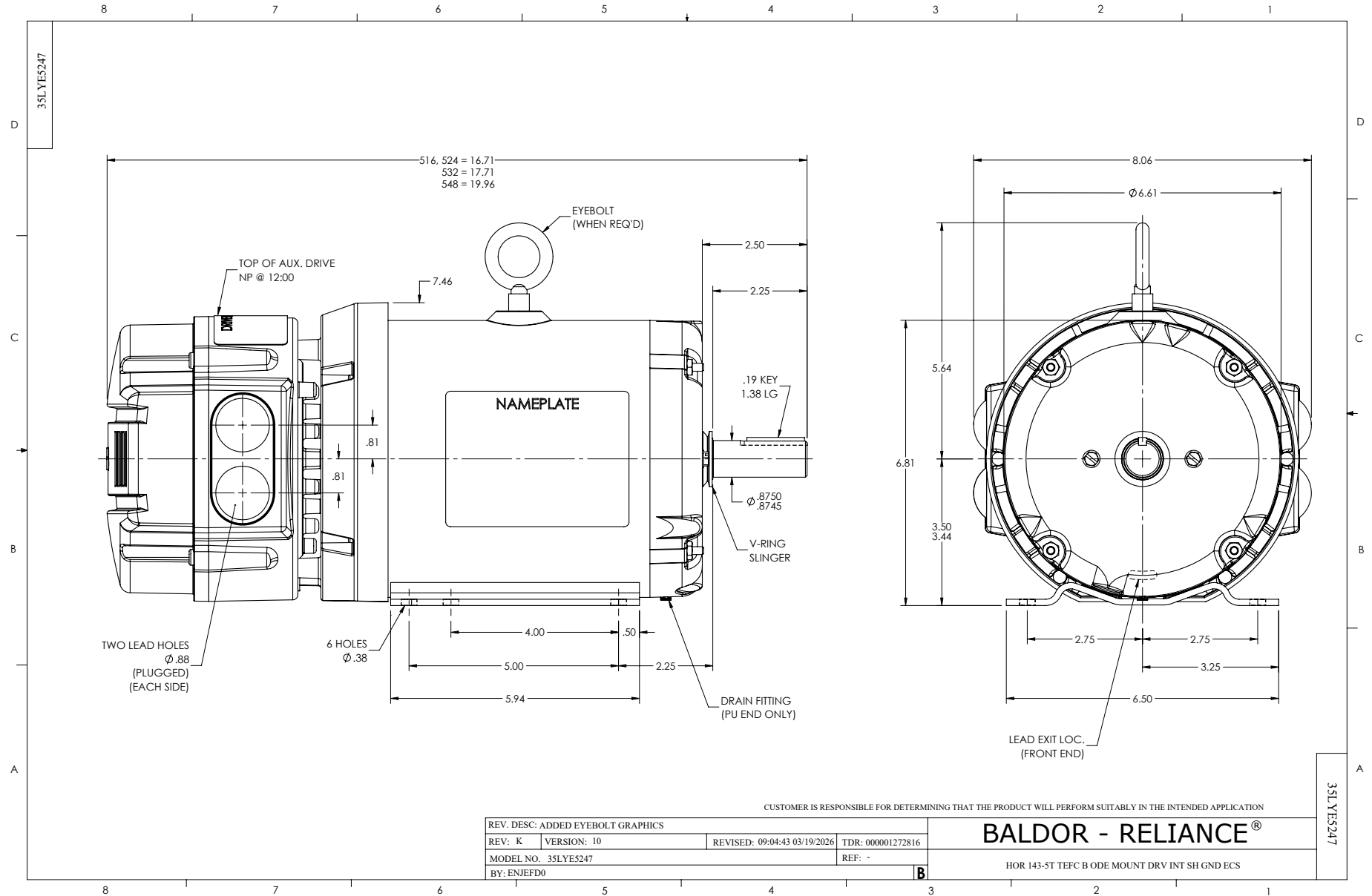
Revision	B
Type	AC
Mech. spec.	
Base	
Status	NLA/A
Elec. spec.	35WGA0023
Layout	35LYE5247
Eff. date	02-13-2023
CD Diagram	CD0006B03
Poles	04
Leads	3#16 13" LONG LEADS
Proprietary	False
Created date	07-15-2020

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

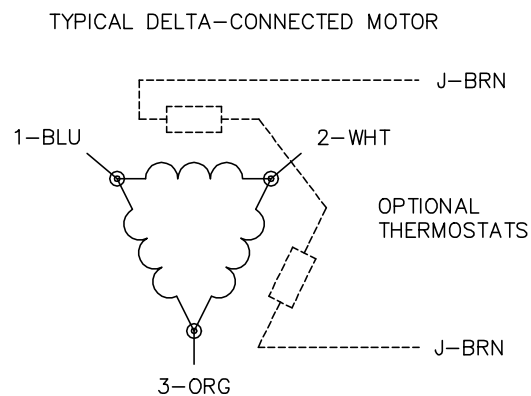
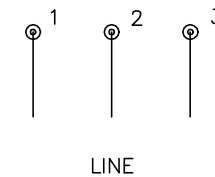
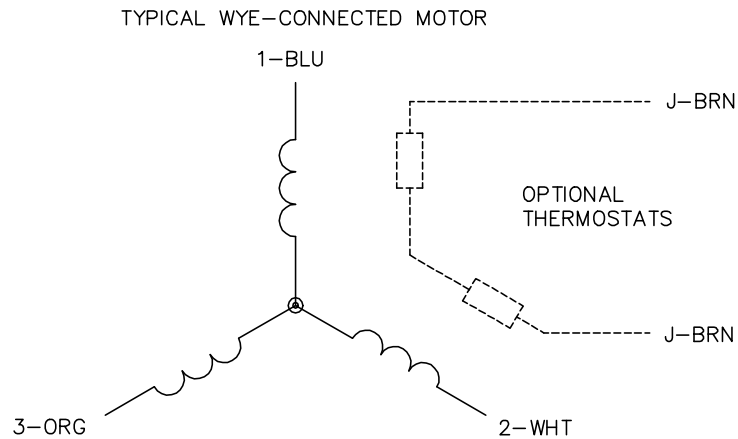
Nameplate

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 #											



CD0006


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

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10: 24: 49 02/19/2019

BY: ENBRIRO

MTL: —


BALDOR - RELIANCE®

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

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