

ABB BALDOR RELIANCE III

Customer information packet

ECC101M0H5DF4

5HP, 1800RPM, 3PH, 60HZ, 145T, 3548B, TEFC, F1

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	Brushless Wound Field PM Rotor
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	WEEE UL
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	10.400 A @ 230.0 V 5.200 A @ 460.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Electrically Isolated Bearings
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	5.2 a
Insulation Class	H

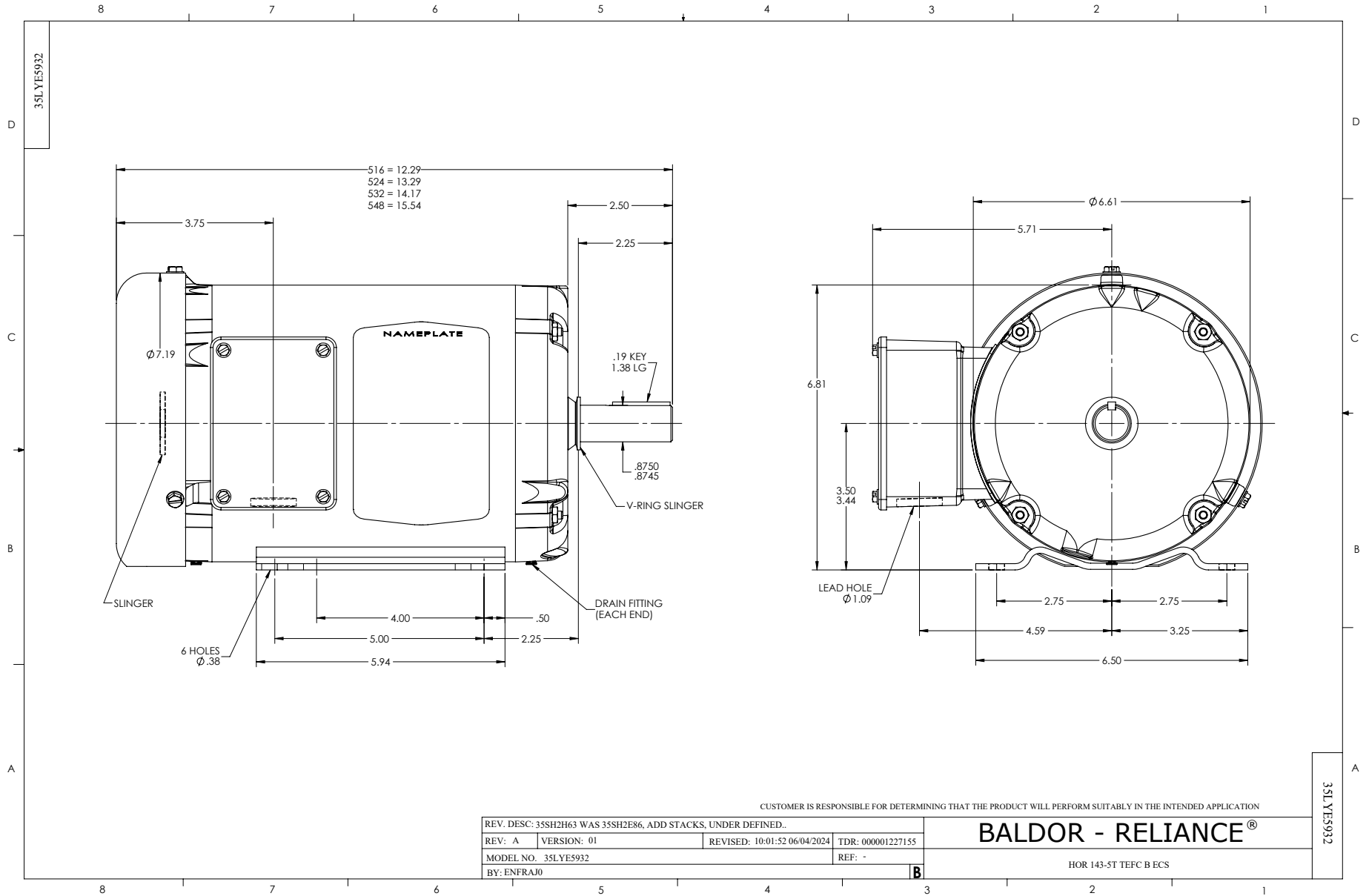
Part Detail

Revision	C
Type	AC
Mech. spec.	35E5932
Base	
Status	PRD/A
Elec. spec.	35WGG930
Layout	35LYE5932
Eff. date	01-28-2025
CD Diagram	CD0005A25
Poles	04
Leads	9#14
Proprietary	False
Created date	03-22-2024

Inverter Code	Inverter Duty
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	4000 rpm
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3548B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.54 IN
Power Factor	97
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	Y
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No 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

NP4246N15M03												
CAT #	ECC101M0H5DF4						WGT	70	LBS			
SPEC	35E5932G930						ENCL	TEFC				
SER #				FRAME	145T			IP	54			
HP	5		RATING	40C AMB-CONT								
NOM.EFF.	93	PF	97	HZ	60		PH	3	CLASS	H		
VOLTS	230/460			AMPS	10.4/5.2							
SER.F.	1.40	RPM	1800		MAX RPM	4000						
BEMF (V)	113/227			RS (OHMS)	0.79/3.18							
LD(MH)	4.2/16.8			LQ(MH)	18.5/74							
VPWM	CHP	60		TO	133							
CT	6	TO	60	VT	6	TO	60					
MATCHED INV	ACS380-04XX-12A2-1 / 07A2-4											
DE	6205		ODE	6203			YR:					
	SFA 16/8											



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

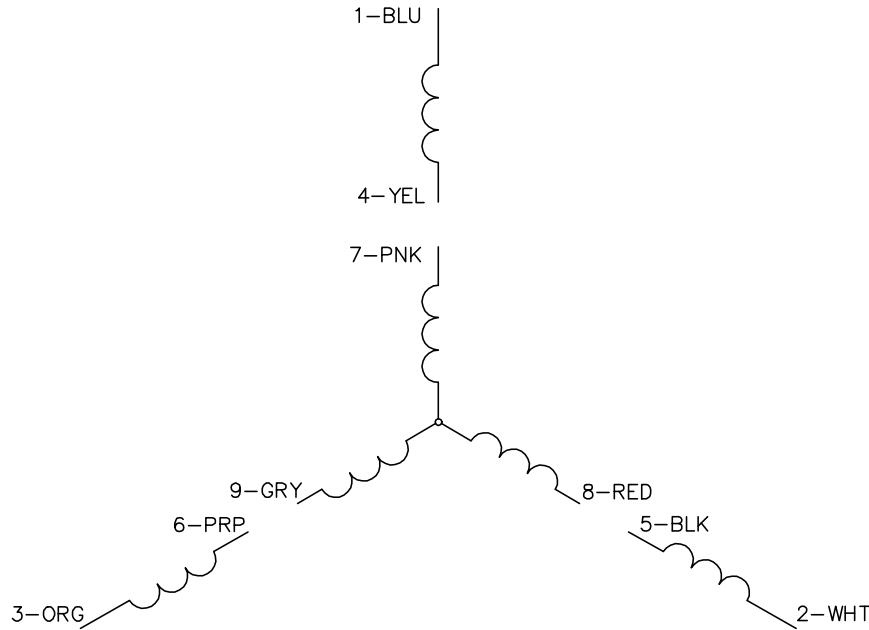
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REV: A	VERSION: 01	REVISED: 10:01:52 06/04/2024	TDR: 000001227155
MODEL NO. 35LYE5932		REF: -	
BY: ENFRAJ0		B	

BALDOR - RELIANCE®

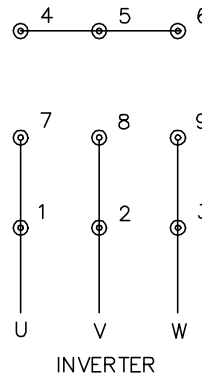
HOR 143-ST TEFC B ECS

35LYE5932

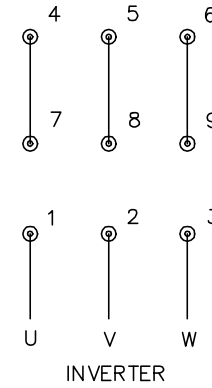
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LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



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.

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
SH 1 of 1

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