



Customer information packet

ECS101M5H1DB4

1HP, 1800RPM, 3PH, 60HZ, 145TC, 3516B, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145TC
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	WEEE CULUS
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	.840 A @ 575.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	0.8 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	-

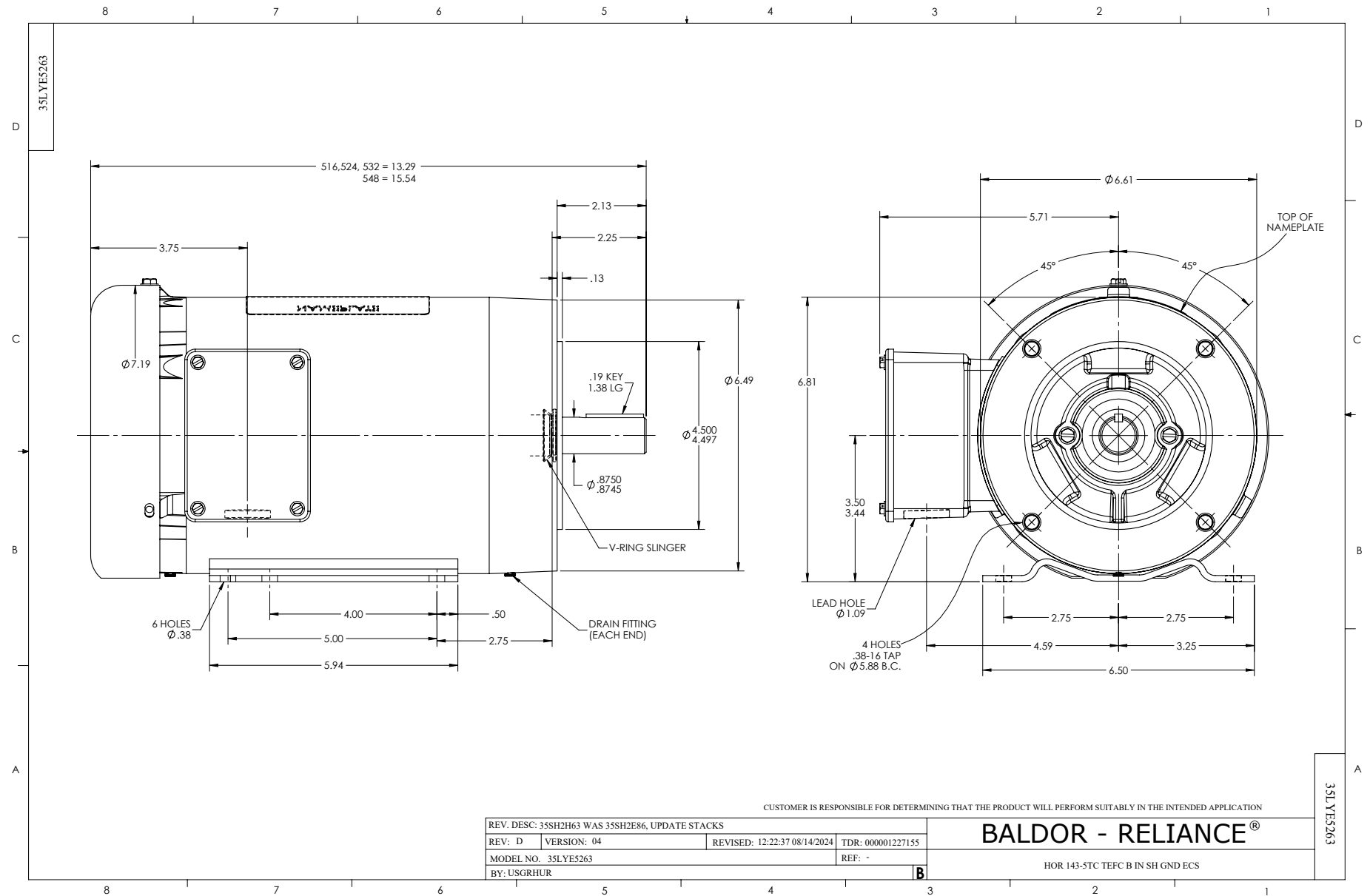
Part detail

Revision	C
Type	AC
Mech. spec.	35E5263
Base	
Status	PRD/A
Elec. spec.	35WGG981
Layout	35LYE5263
Eff. date	11-27-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#18 Y
Proprietary	False
Created date	03-15-2024

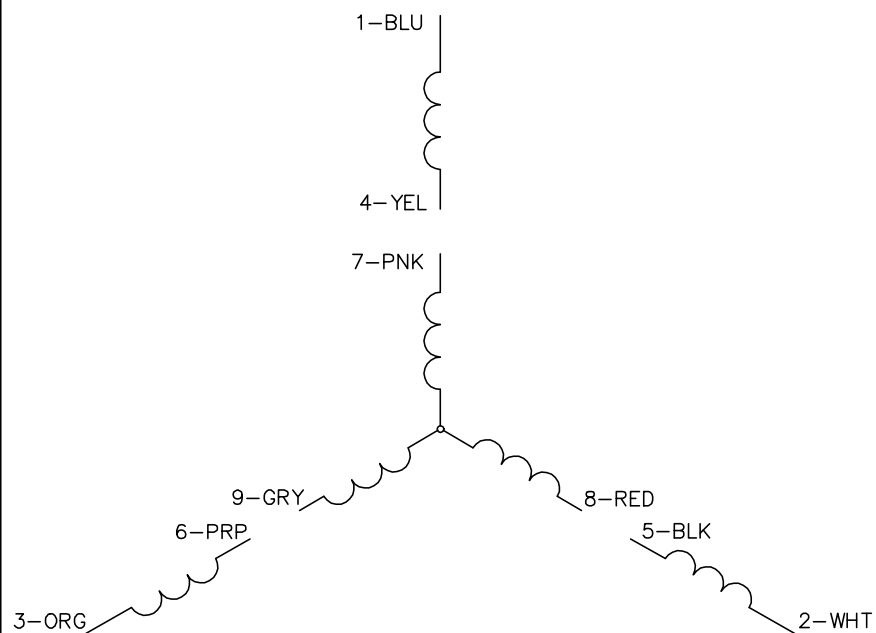
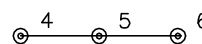
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3516B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.29 IN
Power Factor	95
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	Y
Service Factor	1.15
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

NP3968A01A01											
CAT.NO.	ECS101M5H1DB4										
SPEC.	35E5263G981										
FRAME	145TC			ENCL.		TEFC		IP		54	
HP	1	40		C AMB			CONT				
NOM. EFF.	89.3		PF	97		SF		1.5			
VOLTS	575			FLA		.9					
RPM	1800		RPM-MAX				4000				
HZ	60		PH.	3	CLASS		F				
BEMF (V)	340			RS (OHMS)					42.5		
LD (MH)	207				LQ (MH)				588		
VPWM	CHP	60	TO		120						
CT	6	TO		60		VT	6	TO		60	
MATCHED INV	ACS580-01-02A7-6										
DE	6205			ODE		6203					
SERIAL #											



CD0005A25

LOW VOLTAGE
(2Y)

U V W

INVERTER

HIGH VOLTAGE
(1Y)

U V W

INVERTER

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: -



BALDOR - RELIANCE®

3PH, DV, 9 LEADS, ECS

SH 1 of 1

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