



Customer information packet

ECS101M0H5DF4

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 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	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	Not Electrically Isolated
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.	35E6264
Base	
Status	PRD/A
Elec. spec.	35WGG930
Layout	35LYE6264
Eff. date	06-16-2025
CD Diagram	CD0005A25
Poles	04
Leads	9#14
Proprietary	False
Created date	03-15-2024

Inverter Code	Inverter Duty
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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	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

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EC-Titanium™

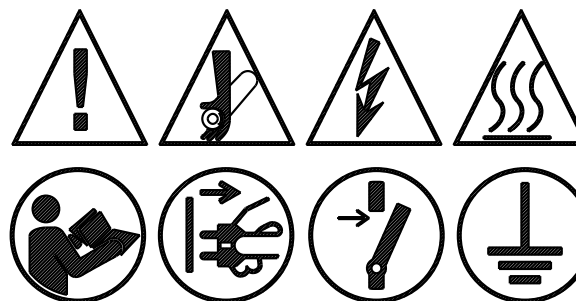
CAT. NO.	ECS101M0H5DF4											
SPEC.	35E6264G930								YR	***		
FRAME	145T				ENCL.		TEFC		IP	54		
HP	5		RATING		40C AMB-CONT							
NOM. EFF.	93.0			PF		97		SF		1.40		
VOLTS	230/460				FLA		10.4/5.2					
RPM	1800			RPM MAX			4000					
HZ	60			PH.		3		CLASS		H		
BEMF (V)	123/247				Rs (Ω)		0.79/3.18					
Ld (mH)	4.2/16.8				Lq (mH)		18.5/74					
INV TYP	VPWM		CHP		60		TO 133		HZ			
	CT	6			TO 60 HZ		VT	6			TO 60 HZ	
MATCHED INV			ACS380-04XX-12A2-1 / 07A2-4									
BEARING	DE	6205				ODE		6203				
SERIAL#	***											

ELECTRIC MOTOR FOR INDUSTRIAL USE



ABB MOTORS AND MECHANICAL INC.
5711 R.S. BOREHAM JR. ST., FORT SMITH, AR. MFG IN U.S.A.

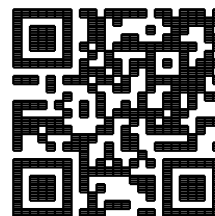
FERRITE ASSISTED
SYNCHRONOUS RELUCTANCE MOTOR
FOR INVERTER USE ONLY

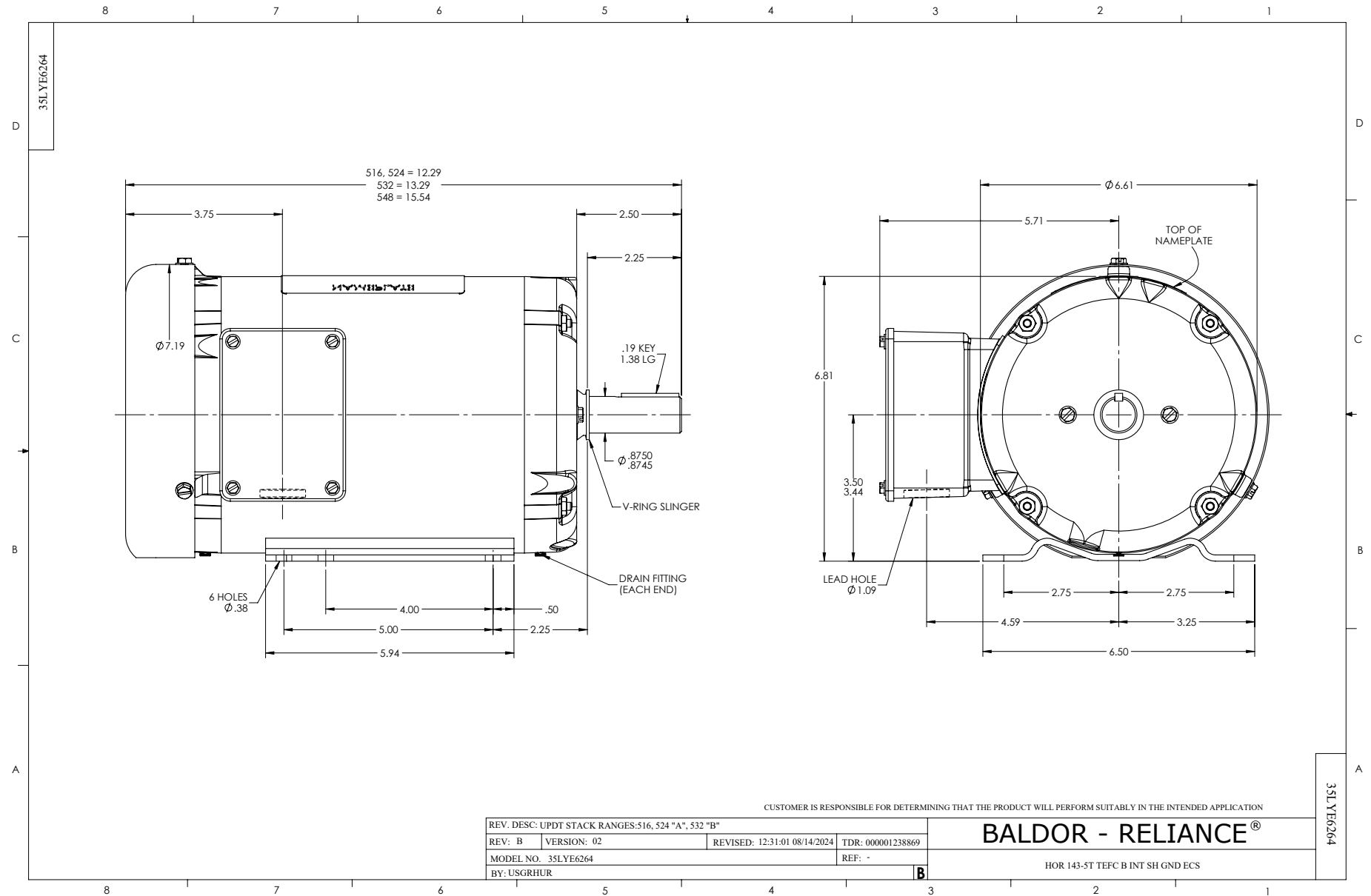


PERMANENT MAGNET MOTOR. WHEN SHAFT IS
ROTATED, VOLTAGE WILL BE GENERATED AT
THE MOTOR TERMINALS.

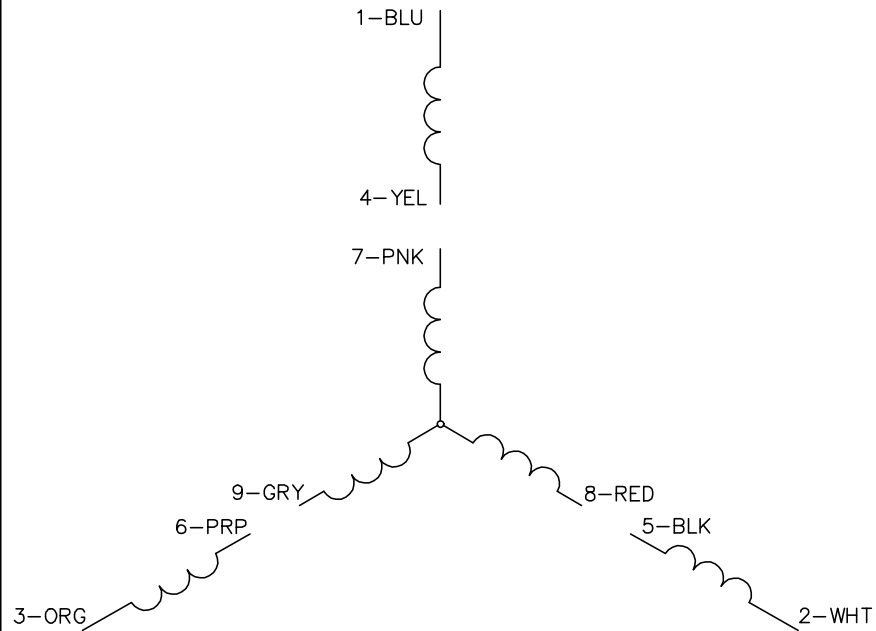
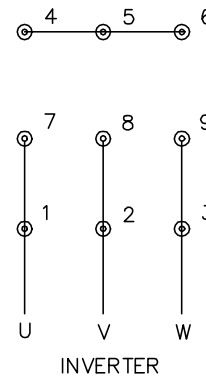
MOTEUR À AIMANT PERMANENT. LORSQUE
L'ARBRE TOURNE, UNE TENSION SERA
GÉNÉRÉE AUX BORNES DU MOTEUR.

BALDOR-RELIANCE
SHAFT GROUNDING BRUSH INSTALLED

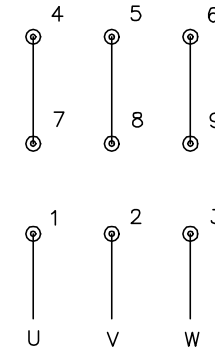




CD0005A25

LOW VOLTAGE
(2Y)

INVERTER

HIGH VOLTAGE
(1Y)

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	VERSION: 00	TDR: 000001135746
REV. LTR: -	REVISED: 01:10:57 03/30/2020	BY: ENMARSO
FILE: \AAA\00253\082		
MTL: -		

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3PH, DV, 9 LEADS, ECS

SH 1 of 1

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