



Customer information packet

ECS101M5H20FB4

20HP, 1800RPM, 3PH, 60HZ, 213TC, 3780B, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	213TC
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	20.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CULUS 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	17.400 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.9 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	17.4 a
Insulation Class	F
Inverter Code	Inverter Duty
Lifting Lugs	No Lifting Lugs

Part detail

Revision	J
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0054
Layout	37LYQ466
Eff. date	02-12-2026
CD Diagram	CD0006B03
Poles	04
Leads	3#12
Proprietary	False
Created date	07-11-2023

Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3780B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	24.24 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1800 rpm
Speed Code	Single Speed
Starting Method	Full Voltage
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™

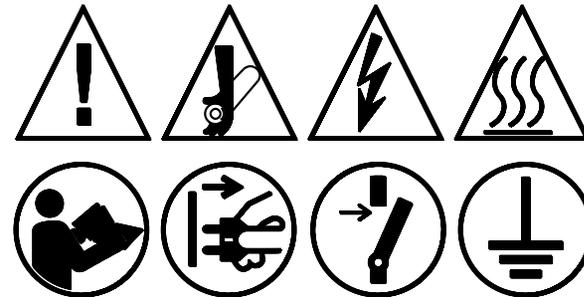
CAT. NO.	ECS101M5H20FB4					
SPEC.	37-0000-0506				YR	***
FRAME	213TC		ENCL.	TEFC	IP	54
HP	20	RATING	40C AMB-CONT			
NOM. EFF.	95.9	PF	97	SF	1.0	
VOLTS	575		FLA	17.4		
RPM	1800	RPM MAX	4000			
HZ	60	PH.	3	CLASS	F	
BEMF (V)	299		Rs (Ω)	.521		
Ld (mH)	16		Lq (mH)	55		
INV TYP	VPWM	CHP	60	TO	100	HZ
	CT	6	TO	60 HZ	VT	1 TO 100 HZ
MATCHED INV	ACS580-01-017A-6					
BEARING	DE	6307		ODE	6206	
SERIAL#	***					

ELECTRIC MOTOR FOR INDUSTRIAL USE



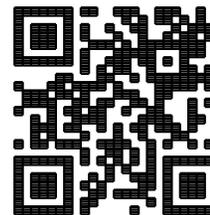
ABB MOTORS AND MECHANICAL INC.
5711 R.S. BOREHAM JR. ST., FORT SMITH, AR. MFG IN U.S.A.

FERRITE ASSISTED
SYNCHRONOUS RELUCTANCE MOTOR
FOR INVERTER USE ONLY

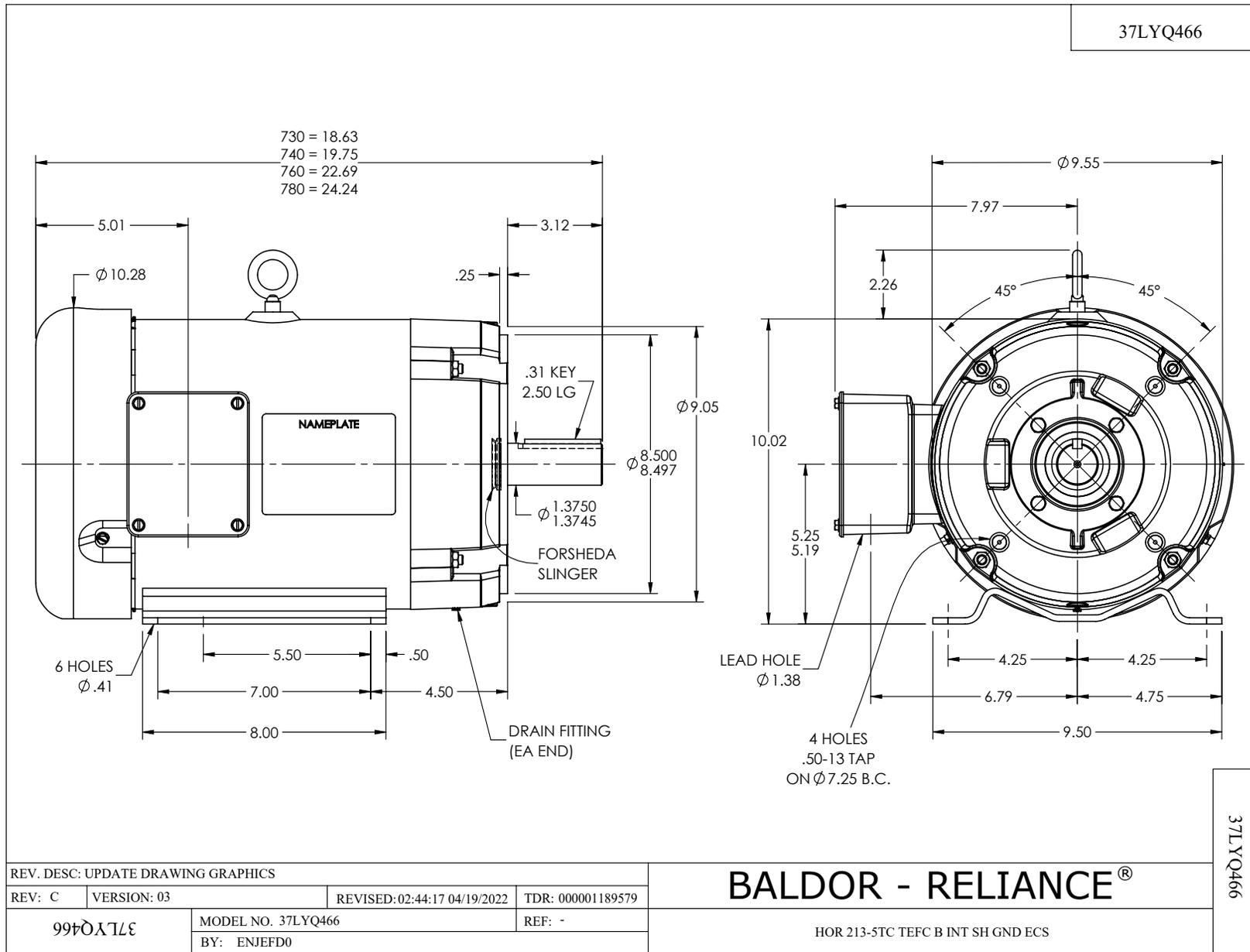


PERMANENT MAGNET MOTOR. WHEN SHAFT IS ROTATED, VOLTAGE WILL BE GENERATED AT THE MOTOR TERMINALS.
MOTEUR À AIMANT PERMANENT. LORSQUE L'ARBRE TOURNE, UNE TENSION SERA GÉNÉRÉE AUX BORNES DU MOTEUR.

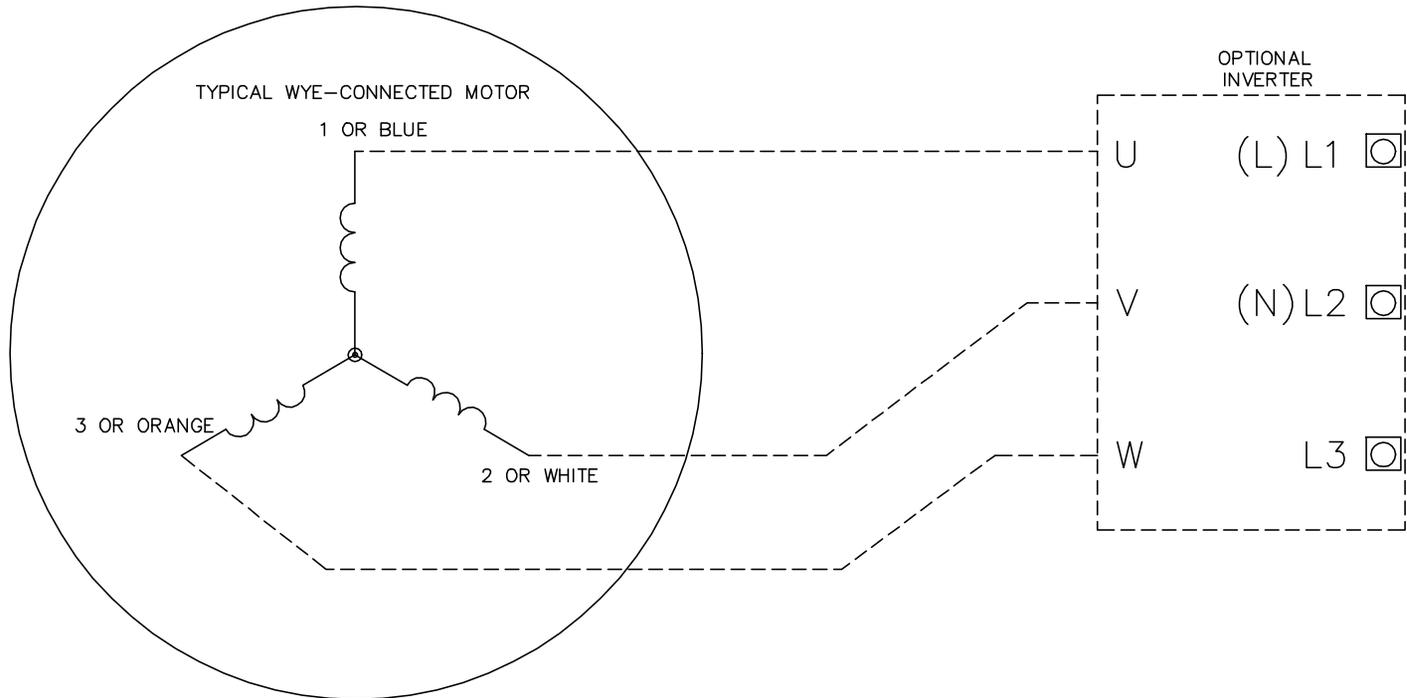
BALDOR-RELIANCE
SHAFT GROUNDING BRUSH INSTALLED



37LYQ466



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: -	© □	

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3PH, SV, 3 LEADS, WYE CONNECTED, ECS

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