



Customer information packet

ECS101M5H15FF4

15HP, 1800RPM, 3PH, 60HZ, 215T, 3760B, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215T
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	15.000 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	14.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	14.0 a
Insulation Class	F
Inverter Code	Inverter Duty
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0053
Layout	37LYQ435
Eff. date	02-12-2026
CD Diagram	CD0006B03
Poles	04
Leads	3#12
Proprietary	False
Created date	07-07-2023

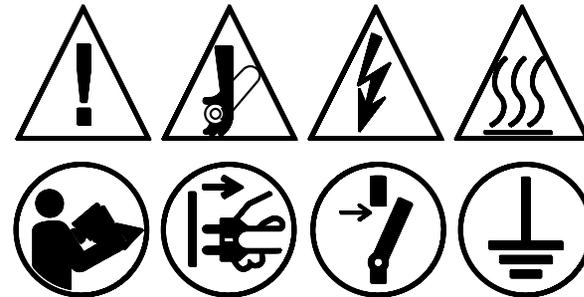
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3760B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	21.96 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Rodent Screen	None
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

BALDOR • RELIANCE

EC-Titanium™

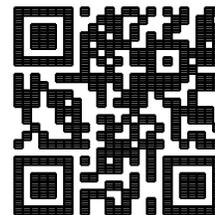
CAT. NO.	ECS101M5H15FF4										
SPEC.	37-0000-0501							YR	***		
FRAME	215T			ENCL.	TEFC		IP	54			
HP	15	RATING	40C AMB-CONT								
NOM. EFF.	95.6		PF	97		SF	1.0				
VOLTS	575			FLA	14						
RPM	1800		RPM MAX	4000							
HZ	60		PH.	3		CLASS	F				
BEMF (V)	293			Rs (Ω)	.789						
Ld (mH)	20			Lq (mH)	67						
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#	***										

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.

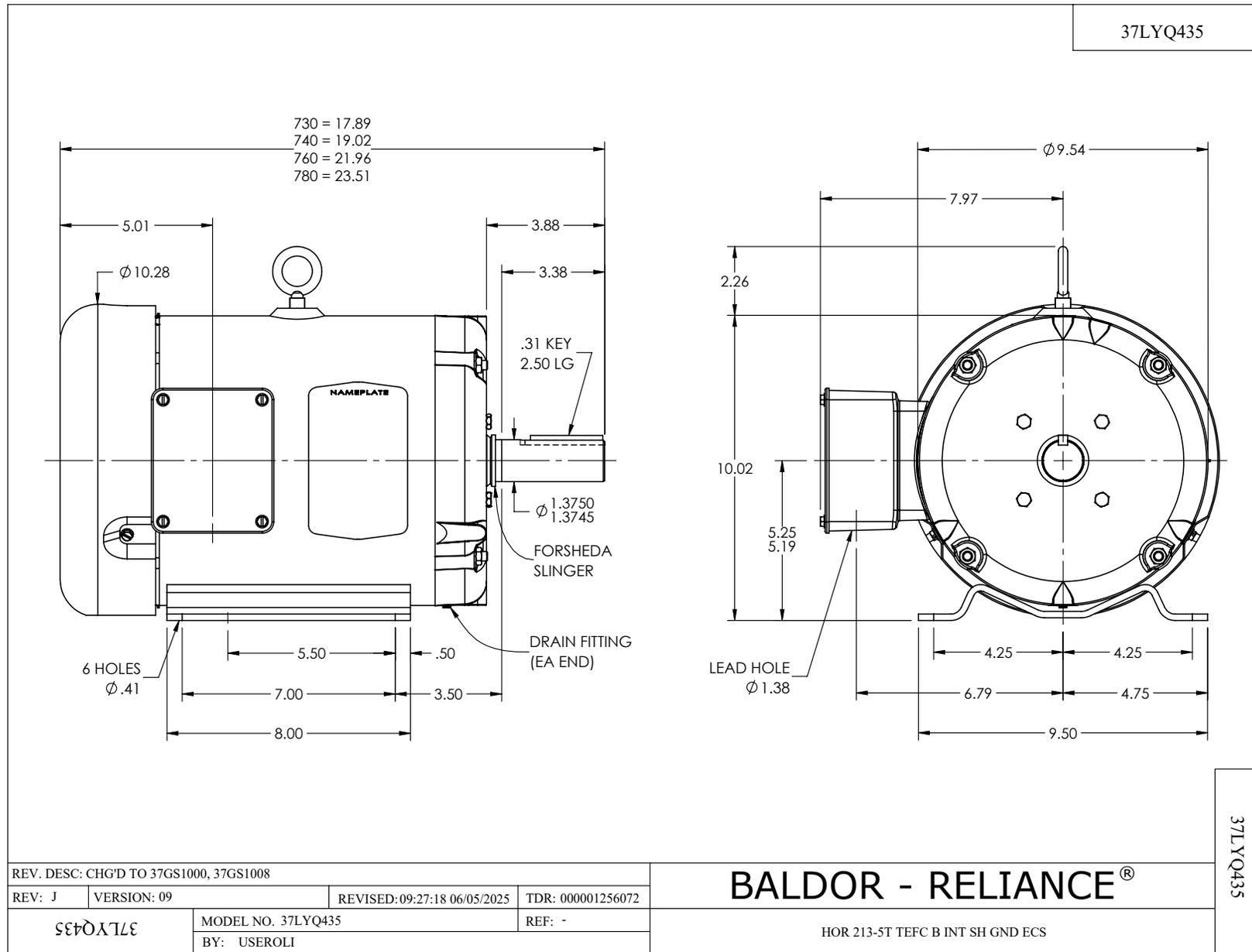
BALDOR-RELIANCE
SHAFT GROUNDING BRUSH INSTALLED



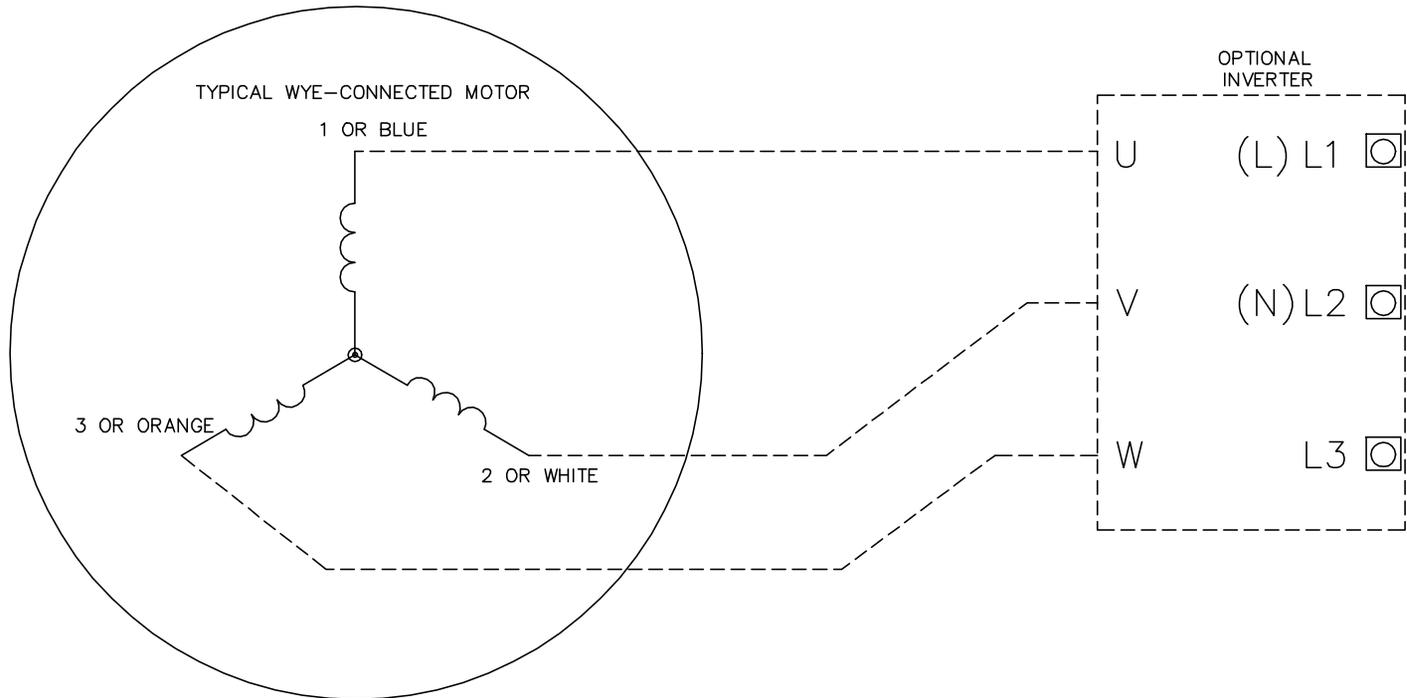
ELECTRIC MOTOR FOR INDUSTRIAL USE



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



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: -	© □	

BALDOR - RELIANCE®

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

SH 1 of 1