

ABB BALDOR RELIANCE III

Customer information packet

ECC101M0H7FF4

7.5HP, 1800RPM, 3PH, 60HZ, 213T, 3730B, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	213T
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	7.500 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	UL 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 @ 230.0 V 8.700 A @ 460.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	8.7 a
Insulation Class	F
Inverter Code	Inverter Duty

Part Detail

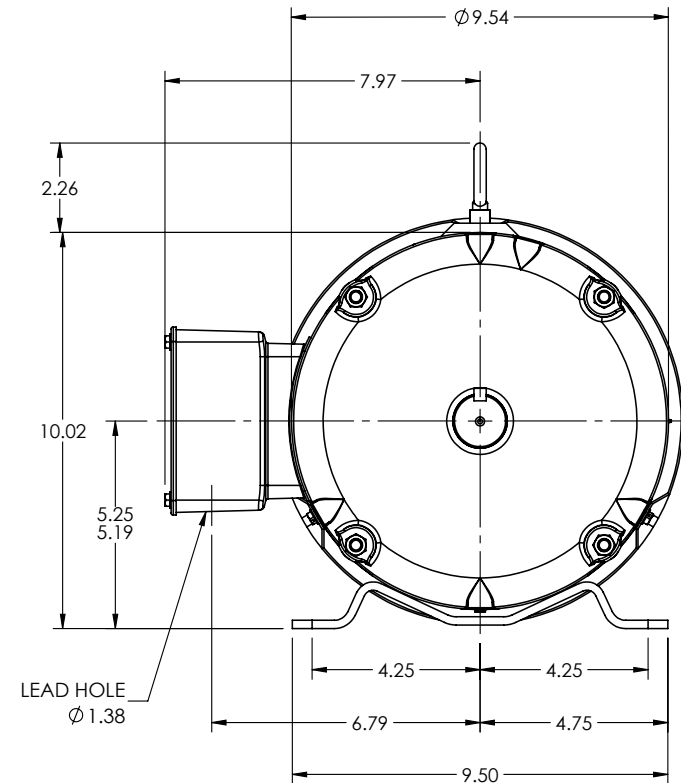
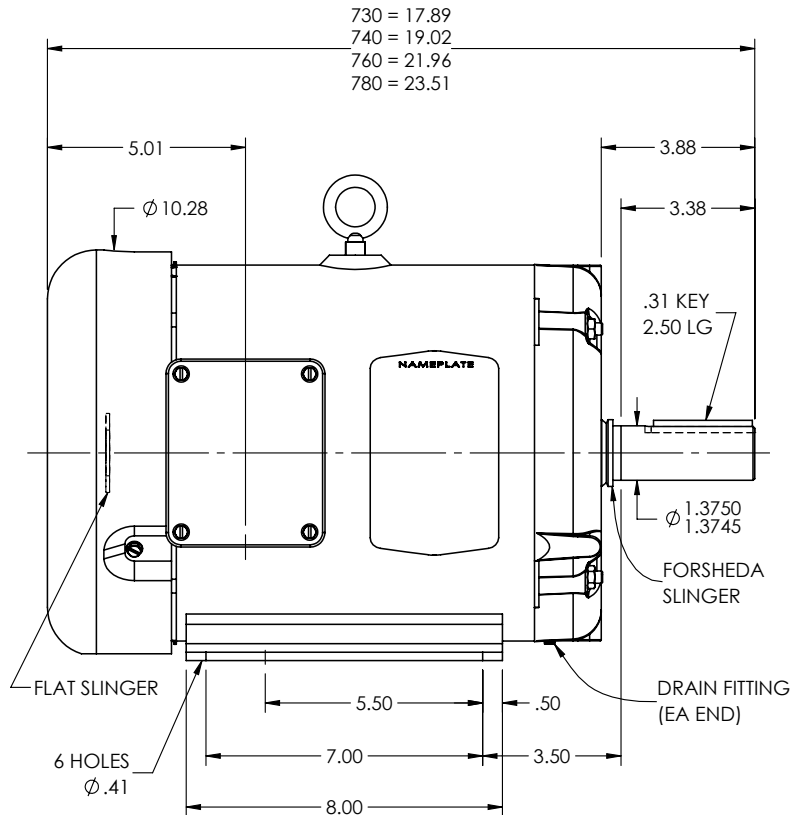
Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0016
Layout	37LY-000-406
Eff. date	01-28-2025
CD Diagram	CD0005A25
Poles	04
Leads	9#12
Proprietary	False
Created date	08-05-2022

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	3000 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3730B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.89 IN
Power Factor	92
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.50
Shaft Diameter	1.375 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

NP4246N15M03												
CAT #	ECC101M0H7FF4						WGT	162	LBS			
SPEC	37-0000-0478						ENCL	TEFC				
SER #					FRAME		213T		IP		54	
HP	7.5		RATING			40C AMB-CONT						
NOM.EFF.	94	PF	92	HZ	60		PH	3	CLASS	F		
VOLTS	230/460				AMPS		17.74/8.87					
SER.F.	1.50	RPM	1800					MAX RPM		3000		
BEMF (V)	113/225				RS (OHMS)			0.35/1.39				
LD(MH)	6.97/28.09				LQ(MH)			20.19/80.586				
VPWM	CHP	60		TO		100						
CT	6	TO		60	VT		1	TO		100		
MATCHED INV	ACS380-04XX-[N/A] / 09A4-4											
DE	6307			ODE		6206		YR:				

37LY-000-406



REV. DESC: CHG'D TO HA3104A59, 37GS1002A01, 37GS1008A01

REV: A VERSION: 01 REVISED: 09:06:06 06/05/2025 TDR: 000001256072

37LY-000-406

MODEL NO. 37LY-000-406

BY: USEROLI

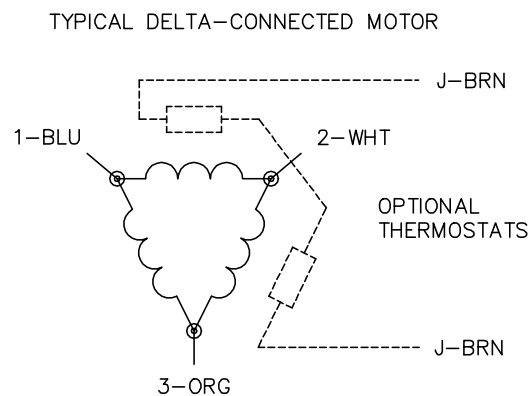
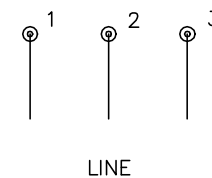
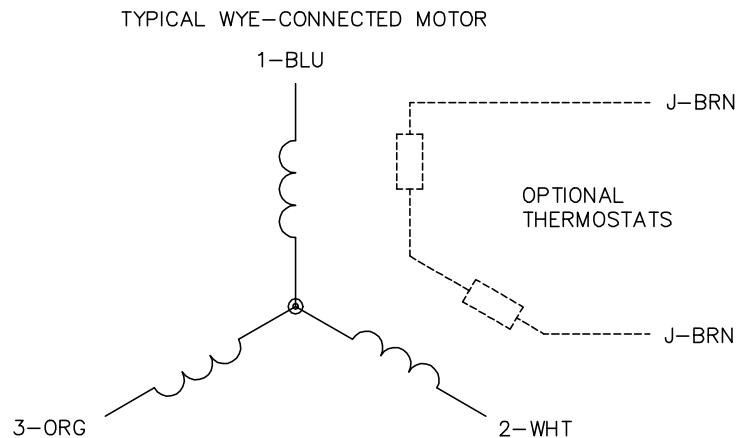
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BALDOR - RELIANCE®

HORZ 213-5T TEFC B ECS

37LY-000-406

CD0006


NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

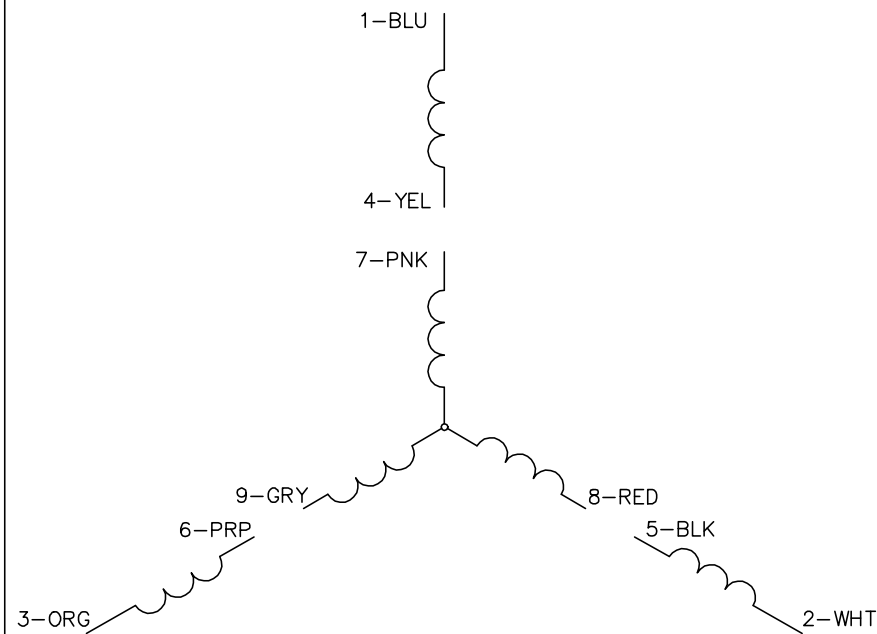
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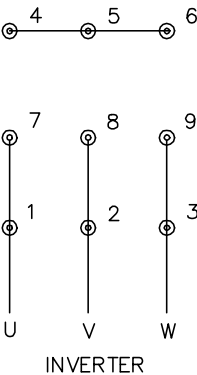
3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1

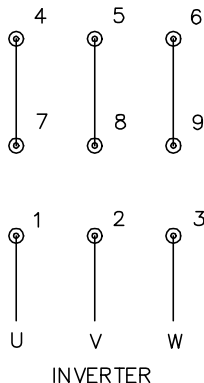
CD0005A25



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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