

**BALDOR® • RELIANCE®**

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## **Customer information packet**

### **ECS101M5H7EF4**

7.5HP, 1800RPM, 3PH, 60HZ, 182T, 3648B, TEFC, F

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	182T
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	7.500 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	575.0 V @ 60 HZ
<b>Agency Approvals</b>	CULUS WEEE
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	AEROSHELL #7 (-73°C TO +149°
<b>Blower</b>	None
<b>Constant Torque Speed Range</b>	6
<b>Current @ Voltage</b>	7.000 A @ 575.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	94.0 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	7.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>Lifting Lugs</b>	No Lifting Lugs

**Part detail**

<b>Revision</b>	H
<b>Type</b>	AC
<b>Mech. spec.</b>	
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	36WGA0057
<b>Layout</b>	36LYT257
<b>Eff. date</b>	10-23-2025
<b>CD Diagram</b>	CD0006B03
<b>Poles</b>	04
<b>Leads</b>	3#14
<b>Proprietary</b>	False
<b>Created date</b>	07-06-2023

<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3648B
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	18.04 IN
<b>Power Factor</b>	94
<b>Product Family</b>	General Purpose
<b>Pulley Face Code</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.50
<b>Shaft Diameter</b>	1.125 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1800 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Full Voltage
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

# BALDOR • RELIANCE®

## EC-Titanium™

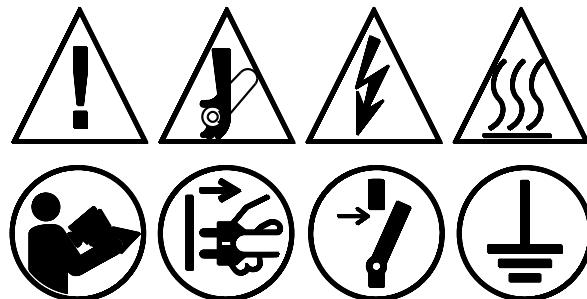
CAT. NO.	ECS101M5H7EF4				
SPEC.	36-0000-3659			YR	***
FRAME	182T		ENCL.	TEFC	IP 54
HP	7.5	RATING	40C AMB-CONT		
NOM. EFF.	94	PF	94	SF	1.5
VOLTS	575		FLA	7	
RPM	1800	RPM MAX		4000	
Hz	60	PH.	3	CLASS	F
BEMF (V)	268		Rs ( $\Omega$ )	2.0	
Ld (mH)	39		Lq (mH)	146	
INV TYP	VPWM	CHP	60	TO 133	Hz
	CT	6	TO 60	Hz	
	VT	1	TO 60	Hz	
MATCHED INV	ACS580-01-09A0-6				
BEARING	DE	6206		ODE	6205
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.

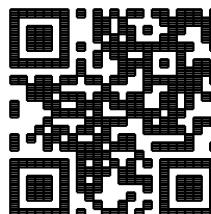
FERRITE ASSISTED  
SYNCHRONOUS RELUCTANCE MOTOR  
FOR INVERTER USE ONLY



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

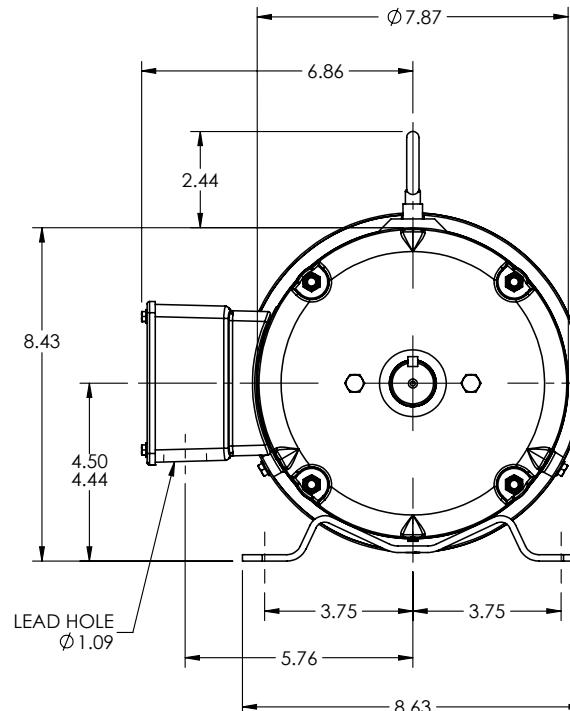
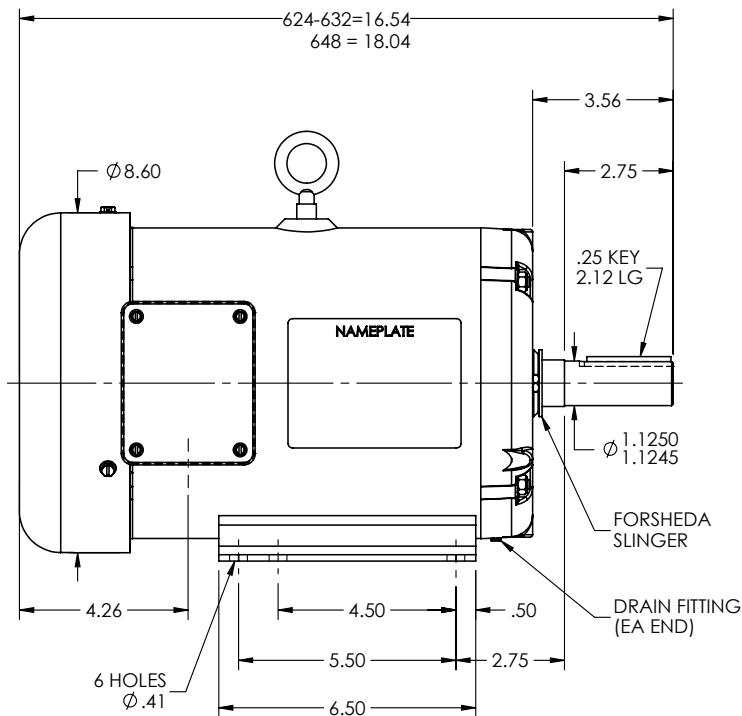
MOTEUR À AIMANT PERMANENT. LORSQUE L'ARBRE TOURNE, UNE TENSION SERA GÉNÉRÉE AUX BORNES DU MOTEUR.

BALDOR-RELIANCE  
SHAFT GROUNDING BRUSH INSTALLED



E46145

36LYT257



REV. DESC: CHANGE NAMEPLATE TO NP4246A01

REV: K VERSION: 10 REVISED: 07:22:51 10/06/2022 TDR: 000001196734



MODEL NO. 36LYT257

BY: ENALEM0 Material: -

**BALDOR**

HOR 182-4T TEFC B EYEBOLT INT SH GND ECS

36LYT257

