



Customer information packet

ECS101M0H7FF4

7.5HP, 1800RPM, 3PH, 60HZ, 213T, TEFC, N

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
Phase	3
Agency Approvals	WEEE UL
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
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3730B
Mounting Arrangement	F1

Part detail

Revision	W
Type	AC
Mech. spec.	37Q435
Base	
Status	PRD/A
Elec. spec.	37WGL000
Layout	37LYQ435
Eff. date	07-17-2025
CD Diagram	CD0005
Poles	04
Leads	9#16 Y
Proprietary	False
Created date	12-05-2018

Number of Poles	4
Overall Length	17.89 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Shaft Diameter	1.375 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	INVERTER SPECIAL
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.	ECS101M0H7FF4										
SPEC.	37Q435L000G1								YR	***	
FRAME	213T				ENCL.		TEFC		IP	54	
HP	7.5		RATING		40C AMB-CONT						
NOM. EFF.	94.0%			PF		92.3%		SF	1.50		
VOLTS	230/460					FLA		17.75/8.87			
RPM	1800				RPM MAX			3000			
HZ	60				PH.		3	CLASS		F	
BEMF (V)	108/216					Rs (Ω)		0.35/1.39			
Ld (mH)	7/28.1					Lq (mH)		20.2/80.6			
INV TYP	VPWM		CHP		60		TO 100		HZ		
	CT	6				TO 60 HZ		VT	1		TO 100 HZ
MATCHED INV	ACS380-04XX-[N/A]/12A6-4										
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





