

ABB BALDOR RELIANCE III

Customer information packet

HBAO3587T

2 AOHP, -RPM, 3PH, 60HZ, 145T, 0532M, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	145T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 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	CSA CURUSEEV NEMA_PREMIUM 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
Current @ Voltage	5.800 A @ 208.0 V 5.600 A @ 230.0 V 2.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Electrically Isolated Bearings
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	K
Type	AC
Mech. spec.	05H189
Base	
Status	PRD/A
Elec. spec.	05WGW649
Layout	05LYH189
Eff. date	08-28-2025
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	09-21-2021

Heater Indicator	No Heater
High Voltage Full Load Amps	2.8 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.44 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 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
NP4312A01M05L

CAT #				HBAO3587T				SER #				CC		WGT		64	LBS								
SPEC				05H189W649G2				RATING				40C AMB-CONT													
HP				VOLTS				AMPS				MAG CUR				CODE		RPM		DES		PF		NEMA NOM. EFF	
2 AO				230/460				5.6/2.8				3.4/1.7				J		1760		B		82		86.5	
2.5 AO				230/460				6.8/3.4				3.3/1.15				J		1750		-		81		85.5	
PH				3	CL		H	HZ		60	ENCL		TEAO		IP		54	SF		1.15	AIR OVER				
DE BRG				6205				ODE BRG				6203				FRAME				145T					
INV TYPE:				VPWM				SL HZ		1.3	CHP		60	TO		90	1.5:1								
WK2		0.189		LB FT2				MAX RPM				2700	CT		6	TO		60			10:1				
												VT		3	TO		60			20:1					
SFA 6/3																									
YR:																									



