

ABB BALDOR RELIANCE III

Customer information packet

HBEM2332T

60M 6P TEFC HOR 256T

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	256T
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	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	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	28.200 A @ 230.0 V 30.000 A @ 208.0 V 14.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Electrically Isolated Bearings
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	H
Type	AC
Mech. spec.	09T115
Base	
Status	PRD/A
Elec. spec.	09WGT193
Layout	09LYT115
Eff. date	12-06-2024
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	01-05-2022

High Voltage Full Load Amps	14.1 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.36 IN
Power Factor	72
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	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1180 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

NP4312A01A01L																						
CAT #		HBEM2332T							SER						CC	010A		WGT			LBS	
SPEC		09T115T193G1							RATING		40C AMB-CONT											
HZ		VOLTS				AMPS				RPM				HP		SF		NEMA NOM. EFF				
60		230/460				28.2/14.1				1180				10		1.15		91				
PH	3	CL	H	CODE		H	DES	B	ENCL	TEFC		IP	54	PF	72	%						
DE BRG		6309							ODE BRG		6208				FRAME		256T					
INV TYPE:		VPWM				SL HZ		1		CHP		60	TO		90	1.5:1						
WK2		4.82		LB FT2		MAX RPM		1800		CT	6	TO		60	10:1							
13.8/6.9									VT	3	TO		60	20:1								
SFA 32.2/16.1																						
YR																						

AC Induction Motor Performance Data

Record # 52520

Typical performance - not guaranteed values

Winding: 09WGT193-R005			Type: 0960M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		44.3 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		28.2/14.1	Breakdown Torque		121 LB-FT		
R.P.M.		1180	Pull-up Torque		50.6 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		67 LB-FT	
NEMA Design Code		B	KVA Code	H	Starting Current		81 A
Service Factor (S.F.)		1.15		No-load Current		6.84 A	
NEMA Nom. Eff.		91	Power Factor	72	Line-line Res. @ 25°C		0.746 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		38°C	
S.F. Amps				Temp. Rise @ S.F. Load		46°C	
				Locked-rotor Power Factor		24.9	
				Rotor inertia		4.82 LB-FT2	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	57	67	72	74	75	73
Efficiency	85.8	90.7	91.9	91.7	91.1	89.4	91.3
Speed	1195	1191	1186	1181	1174	1166	1177
Line amperes	7.45	9.13	11.4	14.1	17.3	21.1	16

ABB Motors and Mechanical Inc.

WINDING # 09WGT193

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1180 RPM 460 V 0960M

TORQUES (LB-FT): PO=121 PU=50.6 LR=67 LRA=81





