

ABB BALDOR RELIANCE III

Customer information packet

CEM7032T-I

1//.75HP, 1155//960RPM, 3PH, 60//50HZ, 145TC

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	XPFC
Frame	145TC
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ .750 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	UL CSA CSA EEV UR
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	1.700 A @ 380.0 V 1.800 A @ 460.0 V 3.400 A @ 190.0 V 3.600 A @ 208.0 V 3.600 A @ 230.0 V
Design Code	B

Part Detail

Revision	J
Type	AC
Mech. spec.	35X732
Base	
Status	NLA/A
Elec. spec.	35WGM497
Layout	35LYX732
Eff. date	01-18-2023
CD Diagram	CD0005
Poles	06
Leads	9#18
Proprietary	False
Created date	11-25-2013

Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.23 IN
Power Factor	64
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding

Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1155 rpm
	960 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0977XPSLEV											
NO.								CC	010A		
SER.								TEMP CODE	T3C		
SPEC.	35X732M497G1										
CAT.NO.	CEM7032T-I										
HP	1//.75										
VOLTS	230/460//190/380										
AMPS	3.6/1.8//3.4/1.7										
RPM	1155//960					MOTOR WEIGHT			49		
HERTZ	60//50		PH	3	CL	F	DE BRG	6205			
SER.F.	1.15		DES	B	CODE		K	ODE BRG	6203		
FRAME	145TC		GREASE			POLYREX EM					
RATING	40C AMB-CONT 55C AMB AT 1.0 SF										
NEMA-NOM-EFF	82.5		PF	64							
	NEMA MG-1 PT 5,IP55										

AC Induction Motor Performance Data

Record # 35596

Typical performance - not guaranteed values

Winding: 35WGM497-R003			Type: 3526M		Enclosure: XPFC			
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1//.75		Full Load Torque		4.51 LB-FT		
Volts		230/460//190/380		Start Configuration		direct on line		
Full Load Amps		3.6/1.8//3.4/1.7		Breakdown Torque		15.3 LB-FT		
R.P.M.		1155//960		Pull-up Torque		11.1 LB-FT		
Hz		60//50	Phase	3	Locked-rotor Torque		11.9 LB-FT	
NEMA Design Code		B		KVA Code	K	Starting Current		10.8 A
Service Factor (S.F.)		1.15		No-load Current		1.21 A		
NEMA Nom. Eff.		82.5	Power Factor	64	Line-line Res. @ 25°C		16.1 Ω	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		47°C		
S.F. Amps				Temp. Rise @ S.F. Load		56°C		
				Locked-rotor Power Factor		42		
				Rotor inertia		0.155 LB-FT2		

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	64	70	75	68
Efficiency	69.3	79.4	82.1	82.8	82.1	80.5	82.4
Speed	1190	1181	1170	1159	1146	1130	1151
Line amperes	1.25	1.36	1.53	1.75	2.02	2.33	1.91

ABB Motors and Mechanical Inc.

WINDING # 35WGM497

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 1159 RPM 460 V 3526M

TORQUES (LB-FT): PO=15.3 PU=11.1 LR=11.9 LRA=10.8





