

ABB BALDOR RELIANCE III

Customer information packet

CECP4111T

25HP, 1180RPM, 3PH, 60HZ, 324TC, 1260M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	324TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	25.000 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	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM 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
Constant Torque Speed Range	1.0
Current @ Voltage	69.000 A @ 208.0 V 63.000 A @ 230.0 V 32.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	S
Type	AC
Mech. spec.	12G214
Base	
Status	PRD/A
Elec. spec.	12WGY116
Layout	12LYG214
Eff. date	11-03-2025
CD Diagram	CD0180
Poles	06
Leads	9#8
Proprietary	False
Created date	01-10-2014

Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	32.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1260M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.28 IN
Power Factor	79
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
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
NP3241

CAT.NO.	CECP4111T		P/N					ENCLOSURE		TEFC		
SPEC.	12G214Y116		CC	010A	FRAME	324TC		S/N				
HP	25		CLASS	F	HZ	60	DES	A				
RPM	1180		RPM MAX	1800		PH	3	KVA-CODE	H			
VOLT	230/460		MOTOR WEIGHT			626						
AMP	63/32		SER.F.	1.15	PF	79	ODE BRG	6312	DE BRG	6312		
RATING	40C AMB-CONT			NEMA-NOM-EFF		93	GREASE	POLYREX EM				
						INV.TYPE		PWM				
TEMP CODE	T3	INVERTER-TEMP-CODE			200							
TEMP =	200	C HP FR	60	C HP TO	90							
CT HZ FROM	1.0	CT HZ TO		60								
HTR-VOLTS		HTR-AMPS		HTR-WATTS		MAX. SPACE HEATER TEMP.			VT HZ FROM	O	VT HZ TO	60

AC Induction Motor Performance Data

Record # 47247

Typical performance - not guaranteed values

Winding: 12WGY116-R017			Type: 1260M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		25		Full Load Torque		111 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		63/32		Breakdown Torque		308 LB-FT	
R.P.M.		1180		Pull-up Torque		117 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		171 LB-FT	
NEMA Design Code		A	KVA Code	H		Starting Current	198 A
Service Factor (S.F.)		1.15		No-load Current		13.8 A	
NEMA Nom. Eff.		93	Power Factor	79		Line-line Res. @ 25°C	0.27033 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		46°C	
S.F. Amps				Temp. Rise @ S.F. Load		56°C	
				Rotor inertia		11.5 LB-FT2	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	75	79	81	81	80
Efficiency	89.1	92.8	93.5	93.2	92.6	91.5	92.8
Speed	1195.4	1191.8	1188.2	1183.9	1179.3	1172.9	1181
Line amperes	15.6	19.7	25.4	31.9	39.2	49.1	36.3

ABB Motors and Mechanical Inc.

WINDING # 12WGY116

Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1180 RPM 460 V 1260M

TORQUES (LB-FT): PO=308 PU=117 LR=171 LRA=198





