

ABB BALDOR RELIANCE III

Customer information packet

D2020R-BV

20HP, 1750RPM, DC, 2113ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	SC2113ATZ
Frame Material	Steel
Output Power	20.000 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Frame Prefix	SC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	28.38 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger

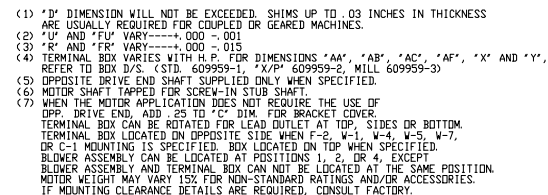
Part Detail

Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	G6339B B
Layout	616002-001
Eff. date	04-13-2015
CD Diagram	406770-006
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006HP									
CAT.NO.		SPEC NO.	T21T1363						
FR	SC 2113ATZ	HP	20	DUTY		CONT			
ENCL.	DP	RPM	1750/ 2300		S.F.	1.0			
ENCL MOD	FORCE VENT	VOLTS	240		INSUL		F		
MAX SAFE SPEED	4500	AMPS	76.50		AMB.		40		
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE	D						
VOLTS	150	D.E. BRG.	50BC03J30X						
MAX AMPS @ 25 C	7.12	O.D.E. BRG.	45BC02J30X						
HOT AMPS	5.07/ 3.32	MIN. AMB.	0		TYPE		TR		
BRUSH:419904051AC									

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED



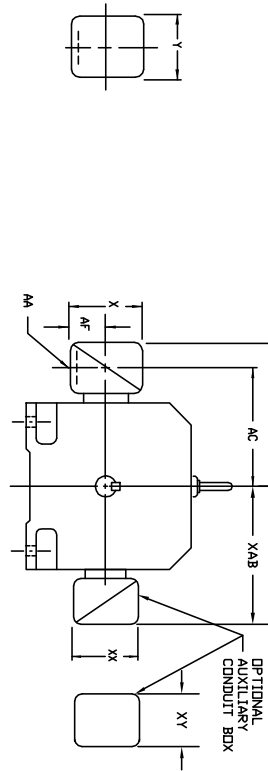
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

BALDOR
 DIMENSION DRAWING,SC2113ATZ – LC2115ATZ,DPP,FOOT MTG
 SH 1 of 1

609959-001

INDUSTRIAL DIRECT CURRENT MOTORS
AND GENERATORS - RPM III
TERMINAL BOX DIMENSIONS
STANDARD SIZE AND ONE SIZE LARGER
FRAMES C2113ATZ THRU C2815ATZ

DIMENSIONS ARE IN INCHES



FRAME SIZE	MAX. AMPS	STANDARD SIZE						STEEL TERMINAL BOX DIMENSIONS						ONE SIZE LARGER					
		AK(1)	AB	AC	AF	X	Y	NUMBER	AK(1)	AB	AC	AF	X	Y	NUMBER	AK(1)	AB	AC	AF
C2113ATZ	40	3/4 & 1"	8.97	7.47	1.94	4.38	5.00	705028-1-R	1-1/4 & 1-1/2	10.03	8.03	2.50	5.50	6.12	705029-1-R	1-1/4 & 1-1/2	10.03	8.03	2.50
C2115ATZ	96	1-1/4 & 1-1/2	10.03	8.03	2.50	5.50	6.12	705029-1-R	2" & 2-1/2	11.16	8.41	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	11.16	8.41	3.19
(2)	208	2" & 2-1/2	11.16	8.41	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	11.16	8.41	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	11.16	8.41	3.19
C2516ATZ	40	3/4 & 1"	10.03	8.53	1.94	4.38	5.00	705028-1-R	1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	705029-1-R	1-1/4 & 1-1/2	11.09	9.09	2.50
C2514ATZ	96	1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	705029-1-R	2" & 2-1/2	12.22	9.47	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	12.22	9.47	3.19
(2)	208	2" & 2-1/2	12.22	9.47	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	12.22	9.47	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	12.22	9.47	3.19
C2816ATZ	128	2"	14.03	10.53	4.23	8.44	7.23	74874-R	3"	14.47	11.22	4.23	8.44	7.23	74874-R	3"	14.47	11.22	4.23
C2815ATZ	195	3"	14.47	11.22	4.23	8.44	7.23	74874-R	3"	15.91	11.84	5.38	10.56	9.00	706308-3-R	3"	15.91	11.84	5.38
(2)	269	4"	15.91	11.84	5.38	10.56	9.00	706308-3-R	5" (4)	18.72	13.47	7.00	12.75	15.00	706589-1-C	5" (4)	18.72	13.47	7.00

FRAME SIZE	MAX. AMPS	STANDARD SIZE						CAST IRON TERMINAL BOX DIMENSIONS						ONE SIZE LARGER					
		AK(3)	AB	AC	AF	X	Y	NUMBER	AK(3)	AB	AC	AF	X	Y	NUMBER	AK(3)	AB	AC	AF
C2113ATZ	18	3/4	10.03	8.03	2.50	5.00	5.75	705028-2-S	1"	10.03	8.03	2.50	5.00	5.75	705028-2-T	1-1/2	10.97	8.53	3.00
C2115ATZ	40	1"	10.03	8.03	2.50	5.00	5.75	705028-2-T	1-1/2	10.97	8.53	3.00	5.00	5.75	705029-2-R	2"	10.97	8.53	3.00
C2115ATZ	96	1-1/2	10.97	8.53	3.00	6.00	7.00	705029-2-R	2"	12.66	8.91	3.62	7.88	9.25	705030-2-R	2-1/2	12.66	8.91	3.62
(2)	208	2"	10.97	8.53	3.00	6.00	7.00	705029-2-S	2-1/2	11.09	9.09	2.50	5.00	5.75	705028-2-S	1"	11.09	9.09	2.50
C2516ATZ	40	3/4	11.09	9.09	2.50	5.00	5.75	705028-2-S	1-1/2	12.03	9.59	3.00	6.00	7.00	705029-2-R	2"	12.03	9.59	3.00
C2514ATZ	96	1-1/2	12.03	9.59	3.00	6.00	7.00	705029-2-R	2"	13.72	9.97	3.62	7.88	9.25	705030-2-R	2-1/2	13.72	9.97	3.62
C2514ATZ	208	2"	12.78	10.34	3.00	6.00	7.00	75460-T	3"	14.47	10.72	3.62	7.88	9.25	76700-R	3"	14.47	10.72	3.62
C2813ATZ	128	2"	14.47	10.72	3.62	7.88	9.25	76700-R	3"	15.78	11.59	4.12	9.50	10.50	76700-R	3"	15.78	11.59	4.12
C2815ATZ	195	3"	15.78	11.59	4.12	9.50	10.50	76700-R	5" (4)	18.59	13.34	7.00	12.75	15.00	76870-S	5" (4)	18.59	13.34	7.00
C2815ATZ	269	4"	15.78	11.59	4.12	9.50	10.50	76700-R	5" (4)	18.59	13.34	7.00	12.75	15.00	76870-S	5" (4)	18.59	13.34	7.00

CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (IEC TYPE BOX)

FRAME SIZE	AMPS	STANDARD SIZE						ONE SIZE LARGER					
		AB	AC	AF	X	Y	AA	AB	AC	AF	X	Y	AA
C210	100	10.71	8.98	2.72	7.48	7.48	---	10.71	8.98	2.72	7.48	7.48	---
	200	11.66	9.23	3.33	8.82	8.82	---	11.66	9.23	3.33	8.82	8.82	---
	100	11.30	9.57	2.72	7.48	7.48	---	11.30	9.57	2.72	7.48	7.48	---
C250	200	11.85	9.84	3.35	8.82	8.82	---	11.85	9.84	3.35	8.82	8.82	---
	400	17.48	12.75	6.20	14.39	14.39	---	17.48	12.75	6.20	14.39	14.39	---
	800	17.48	12.75	6.20	14.39	14.39	---	17.48	12.75	6.20	14.39	14.39	---
	200	12.60	10.59	3.76	8.82	8.82	---	12.60	10.59	3.76	8.82	8.82	---
	400	18.27	13.54	6.20	14.39	14.39	---	18.27	13.54	6.20	14.39	14.39	---
	800	18.27	13.54	6.20	14.39	14.39	---	18.27	13.54	6.20	14.39	14.39	---
C280	1600	18.27	13.54	7.68	15.35	15.35	---	18.27	13.54	7.68	15.35	15.35	---

FRAME SIZE	YAB	OPTIONAL AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM)					
		XX	YY	PART NUMBER	FRAME SIZE	XX	YY
C210	7.38	4.25	4.25	602007-26-A	C210	10.88	8.00
C250	8.44	4.25	4.25	602007-26-A	C250	11.88	8.00
C280	9.12	4.25	4.25	602007-26-A	C280	12.62	8.00

(1) 1/4" CONDUIT.
(2) RACEWAYS PROVIDED WITH DOUBLE KNUCKLE.
(3) 1/4" PIPE LAP.(4) TERMINAL BOX 76870-S AND 76870-98 EXTENDS BELOW MOTOR FEET.
TERMINAL BOX 76870-S AND 76870-98 EXTENDS BELOW MOTOR FEET.
DR - C-1 MOUNTING IS SPECIFIED. BOX LOCATED IN TOP WHEN SPECIFIED.
FOR "X"/P/TERMINAL BOX DIMENSIONS SEE 609959-2.
FOR MILL TYPE TERMINAL BOX DIMENSIONS SEE 609959-3.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADD 706310-63G C/BOX TO C250 AND C280 FRAMES

REV. LTR: A

VERSION: 01

TDR: 000000816512

FILE: \RGG\00021\153

REVISED: 03: 09: 09 09/06/2013

MTL: -

BY: RGGWT

BALDOR

DIMENSION SHEET

SH 1 of 1

609959-001

