



Customer information packet

D5040R-BV

40HP, 1750RPM, DC, 2115ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	MC2115ATZ
Frame Material	Steel
Output Power	40.000 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	MC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	32.50 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger

Part detail

Revision	A
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	G8249A A
Layout	616002-001
Eff. date	06-07-2017
CD Diagram	406770-006
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006HP									
CAT.NO.	D5040R-BV	SPEC NO.		T21T2353					
FR	MC 2115ATZ	HP	40		DUTY		CONT		
ENCL.	DP	RPM	1750/2100		S.F.		1.0		
ENCL MOD	FORCE VENT	VOLTS		500		INSUL		F	
MAX SAFE SPEED	2250	AMPS	69.00		AMB.		40		
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		50BC03J30X					
MAX AMPS @ 25 C	4.49	O.D.E. BRG.		45BC02J30X					
HOT AMPS	3.19/2.47	MIN. AMB.		0		TYPE		TR	
BRUSH:419904051AS									

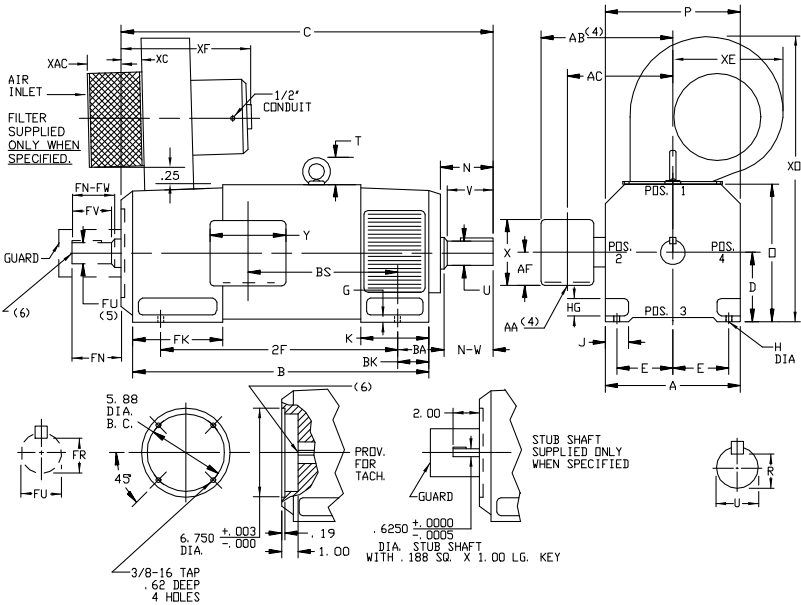
616002-001

INDUSTRIAL DIRECT CURRENT MOTORS
AND GENERATORS - RPM III

ENCLOSURE: DRIP-PROOF FULLY-GUARDED,
SPLASHPROOF
MOUNTING: FOOT
METHOD OF DRIVE: COUPLED OR BELTED

COOLING: FORCE VENTILATED
WITH INTEGRAL
BLOWER AND MOTOR
ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES SC2113ATZ THRU LC2115ATZ



DIMENSIONS ARE IN INCHES

FRAME	XAC	XC	XE	XF	XO
SC2113ATZ-LC2115ATZ	7.75	2.25	10.00	16.00	22.75

FRAME	A	D(1)	E	G	H	HG	J	O	P	T	BA	K	FK	BK
SC2113ATZ-LC2115ATZ	10.25	5.25	4.25	.44	.44	1.38	1.75	10.44	10.31	2.08	3.50	5.19	6.81	2.38

FRAME	C(7)	B	BS	2F	N	N-W	U(2)	V	R(3)	SQ.	LGTH.	FN	FN-FW	FU(2)	FV	FR(3)	SQ.	LGTH.	LBS.
SC2113ATZ	28.38	22.50	11.38	18.00	4.00	3.75	1.875	3.50	1.591	.500	2.50	3.50	3.25	1.625	3.00	1.416	.375	2.25	345
MC2113ATZ	29.62	23.75	12.62	18.00	4.00	3.75	1.875	3.50	1.591	.500	2.50	3.50	3.25	1.625	3.00	1.416	.375	2.25	370
LC2113ATZ	31.25	25.38	14.25	18.00	4.00	3.75	1.875	3.50	1.591	.500	2.50	3.50	3.25	1.625	3.00	1.416	.375	2.25	400
MC2115ATZ	32.50	26.62	15.50	22.00	4.00	3.75	1.875	3.50	1.591	.500	2.50	3.50	3.25	1.625	3.00	1.416	.375	2.25	425
LC2115ATZ	35.25	29.38	18.25	22.00	4.00	3.75	1.875	3.50	1.591	.500	2.50	3.50	3.25	1.625	3.00	1.416	.375	2.25	480

- (1) "B" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
(2) "U" AND "FU" VARY-----+.000 -.001
(3) "R" AND "FR" VARY-----+.000 -.015
(4) TERMINAL BOX VARIES WITH H.P. FOR DIMENSIONS "AA", "AB", "AC", "AF", "X" AND "Y", REFER TO BOX D/S. (STD. 609959-1, "X/P" 609959-2, MILL 609959-3)
(5) OPPOSITE DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.
(6) MOTOR SHAFT TAPPED FOR SCREW-IN STUB SHAFT.
(7) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF DPP, DRIVE END, ADD .25 TO "C" DIM. FOR BRACKET COVER.
TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM.
TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.
BLOWER ASSEMBLY CAN BE LOCATED AT POSITIONS 1, 2, OR 4, EXCEPT BLOWER ASSEMBLY AND TERMINAL BOX CAN NOT BE LOCATED AT THE SAME POSITION.
MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

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

REV. DESC: LOADED TO BUS	VERSION: 00	TDR: 000000578087
REV. LTR: -	REVISED: 08:22:49 01/28/2011	BY: CONNAS
MTL: -		

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

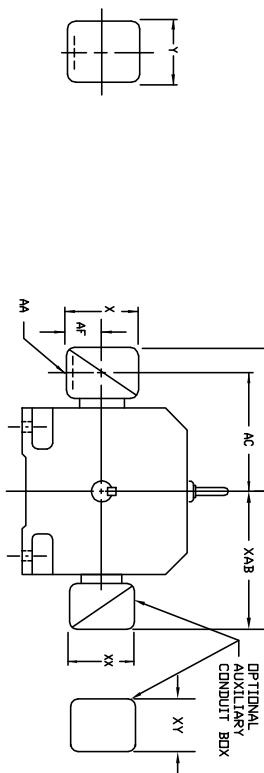
616002-001

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



STEEL TERMINAL, BOLT DIMENSIONS															
FRAME SIZE	MAX. AMP'S	STANDARD SIZE					PART NUMBER		ONE SIZE LARGER					PART NUMBER	
		AB	AC	AF	X	Y	AK(1)	AB	AC	AF	X	Y			
C21/3A1Z	40	3/4 & 1"	8.97	4.7	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
C21/5A1Z	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
C21/5A1Z (E)	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
C25/1A1Z	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
C25/1A1Z (E)	96	1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	705029-1-R	2" & 2-1/2	12.82	9.47	3.19	7.00	7.62	705030-1-R
C25/1A1Z (E)	208	2" & 2-1/2	12.82	9.47	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	12.82	9.47	3.19	7.00	7.62	705030-1-R
C28/1A1Z	128	2"	14.03	10.53	4.25	8.44	7.25	748747-1-R		15.47	11.82	4.25	8.44	7.25	748747-2-R
C28/1A1Z (E)	185	3"	14.47	11.52	4.25	8.44	7.25	748747-2-R		15.91	11.84	5.38	8.44	7.25	748748-3-R
C28/1A1Z (E)	269	4"	15.91	11.84	5.38	8.44	7.25	748748-3-R	5" (4)	18.72	13.47	7.00	12.75	9.00	702506-1-C

FRAME SIZE	MAX. AMPS	CAST IRON TERMINAL BOX DIMENSIONS										PART									
		STANDARD SIZE					PART					DNE SIZE LARGER					PART				
		AA3/2	AB	AC	AF	X	Y	Z	NUMBER		AA3/2	AB	AC	AF	X	Y	Z	NUMBER			
C21 13A1Z	18	3/4	10.03	8.03	2.50	5.00	5.75	705028-2-S	1	1-1/2	10.03	8.03	2.50	5.00	5.75	705028-2-T	1				
C21 13A1Z	40	1"	10.03	8.03	2.50	5.00	5.75	705028-2-T	1	1-1/2	10.97	8.53	3.00	6.00	7.00	705029-2-R	2"				
C21 13A1Z	96	1-1/2	10.97	8.53	3.00	6.00	7.00	705029-2-R	2"	1-1/2	12.66	8.91	3.62	7.88	9.25	705030-2-S	4"				
C21 13A1Z	208		10.97	8.53	3.00	6.00	7.00	705029-2-R	2"	1-1/2	12.66	8.91	3.62	7.88	9.25	705028-2-T	1				
C21 13A1Z	18	3/4	11.09	9.09	2.50	5.00	5.75	705028-2-T	1	1"	11.09	9.09	2.50	5.00	5.75	705028-2-T	1				
C21 13A1Z	40	1"	11.09	9.09	2.50	5.00	5.75	705028-2-T	1	1-1/2	12.03	9.59	3.00	6.00	7.00	705029-2-S	2"				
C21 13A1Z	96	1-1/2	12.03	9.59	3.00	6.00	7.00	705029-2-R	2"	1-1/2	12.03	9.59	3.00	6.00	7.00	705029-2-S	2"				
C21 13A1Z	208		12.03	9.59	3.00	6.00	7.00	705029-2-R	2"	1-1/2	13.47	9.97	3.62	7.88	9.25	705030-2-R	4"				
C21 13A1Z	128	2"	12.78	10.34	3.00	6.00	7.00	705030-1	3"	1-1/2	14.47	10.72	3.62	7.88	9.25	767000-R8					
C21 13A1Z	185	3"	14.47	10.72	3.62	7.88	9.25	767000-R8	4"	1-1/2	15.78	11.39	4.12	9.50	10.50	767000-R					
C21 13A1Z	269	4"	15.78	11.39	4.12	9.50	10.50	767000-R	5"	(4)	18.59	12.97	4.10	12.75	15.00	766700-S					

CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (IEC TYPE BOX)									
STANDARD SIZE									
FRAME SIZE	AMP'S	AB	AC	AE	X	AA	Y	PART NUMBER	PART NUMBER
C210	100	10.71	8.98	2.72	7.48	--	7.48	706310-56-A	706310-225-R
	200	11.26	9.25	3.35	8.82	--	8.82	706310-56-B	706310-225-R
	100	11.30	9.57	2.72	7.48	--	7.48	706310-56-A	706310-225-R
	200	11.85	9.84	3.35	8.82	--	8.82	706310-56-B	706310-225-R
C250	400	17.48	12.75	6.20	14.39	--	14.39	706310-63-B & 706310-636	706310-63-B & 706310-636
	800	17.48	12.75	6.20	14.39	--	14.39	706310-63-B & 706310-636	706310-63-B & 706310-636
	200	12.60	10.59	3.76	8.82	--	8.82	706310-56-B	706310-225-R
	400	18.27	13.54	6.20	14.39	--	14.39	706310-63-B & 706310-636	706310-63-B & 706310-636
C280	800	18.27	13.54	6.20	14.39	--	14.39	706310-63-B & 706310-636	706310-63-B & 706310-636
	1600	18.27	13.54	7.68	15.35	--	15.35	706310-63-C	706310-63-C

FRAME SIZE				PART NUMBER			
YAB	XY	YX	YB	YAB	XY	YX	YB
C210	7.38	4.25	6.02007-26-A	C210	10.88	8.00	705310-3-B
C250	8.44	4.25	6.02007-26-A	C250	11.88	8.00	705310-3-B
C280	9.12	4.25	6.02007-26-A	C280	12.62	8.00	705310-3-B

- (1) 'AAL CONDUTIT.
- (2) 'STEEL TERMINAL BOX FOR C2119A17Z AND C2512A17Z FRAMES PROVIDED WITH DOUBLE KNOCKOUT.
- (3) 'AAL PIPE TAP.
- (4) TERMINAL BOX 76670-5 AND 76870-9 EXTENDS BELOW MOTOR FEED.
- TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP. SIZES DR BOTTOM DR C-1 AND TOP DR C-2 ARE SPECIFIED. BOX LOCATED ON OPPOSITE SIDE WHEN F-2, -U-1, -U-4, -U-5, -U-7, DR -X/P-TERMINAL BOX DIMENSIONS SEE 609955-2 FOR MILL TYPE TERMINAL BOX DIMENSIONS SEE 609955-3.

609959-001

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

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