

BALDOR® • RELIANCE

Product Information Packet

D5025R-BV

25HP, 1750RPM, DC, 2113ATZ, DPG-FV,

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	G6005E B	CD Diagram:	406770-006
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	616002-001
Frame:	MC211	Mounting:	F1	Poles:	00	Created Date:	04-09-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	04-13-2015
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Specs			
Enclosure:	DP		
Frame:	MC2113ATZ		
Frame Material:	Steel		
Agency Approvals:	CCSA US		
Bearing Grease Type:	Polyrex EM (-20F +300F)		
Drip Cover:	No Drip Cover		
Duty Rating:	CONT		
Feedback Device:	NO FEEDBACK		
Field Winding Type:	STR SHUNT		
Frame Prefix:	MC		
Heater Indicator:	No Heater		
Insulation Class:	F		
Lifting Lugs:	Standard Lifting Lugs		
Mounting Arrangement:	F1		
Shaft Extension Location:	Pulley End		
Shaft Ground Indicator:	No Shaft Grounding		

Shaft Slinger Indicator:	No Slinger		
Motor Standards:	NEMA		

Nameplate 000613006HP	
CAT.NO.	D5025R-BV
FR	MC 2113ATZ
ENCL.	DP
ENCL MOD	FORCE VENT
MAX SAFE SPEED	4500
FIELD DATA	
WINDING	STR SHUNT
VOLTS	300
MAX AMPS @ 25 C	3.32
HOT AMPS	2.40/ 1.57
	BRUSH:419904051AB
SPEC NO.	T21T1351
HP	25
RPM	1750/ 2300
VOLTS	500
AMPS	46.00
SER.NO.	
DUTY	CONT
S.F.	1.0
INSUL	F
AMB.	40
POWER CODE	C
D.E. BRG.	50BC03J30X
O.D.E. BRG.	45BC02J30X
MIN. AMB.	0
TYPE	TR

616002-001

INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS - RPM III

ENCLOSURE: DRIP-PROOF FULLY-GUARDED,
SPLASHPROOF

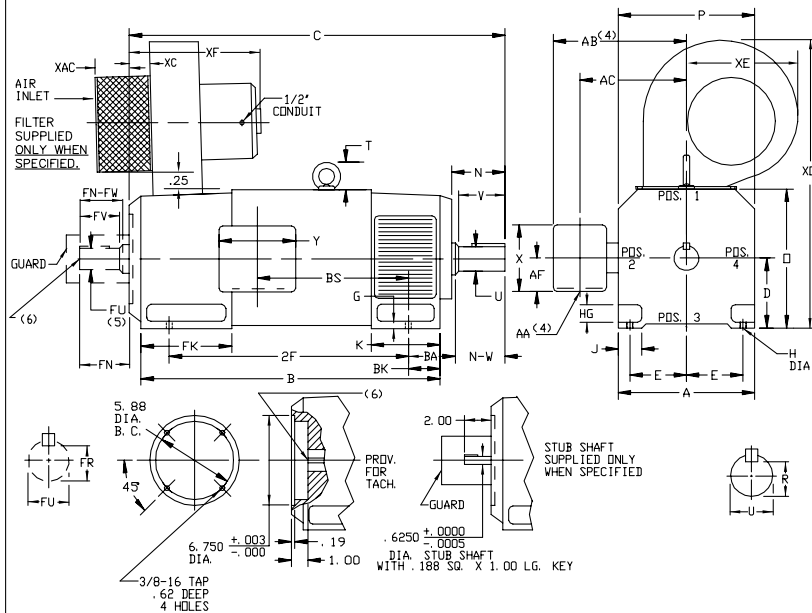
COOLING: FORCE VENTILATED
WITH INTEGRAL
BLOWER AND MOTOR

MOUNTING: FOOT

METHOD OF DRIVE: COUPLED OR BELTED

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES SC2113ATZ THRU LC2115ATZ



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

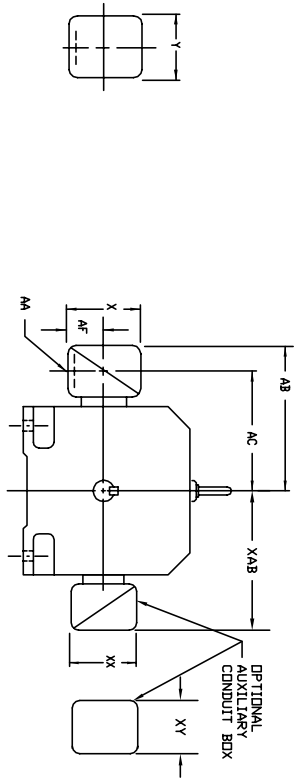
REV. DESC: LOADED TO BUS	VERSION: 00	TDR: 000000578087
REV. LTR: -	REVISED: 08:22:49 01/28/2011	BY: CONNAS
FILE: \RGG\00015\944		
MTL: -		

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

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609959-001

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



FRAME SIZE	STANDARD SIZE						ONE SIZE LARGER											
	MAX. AMPS	AK(1)	AB	AC	AF	PART NUMBER	AK(1)	AB	AC	AF	PART NUMBER							
C2113ATZ	40	3/4 & 1"	8.97	7.47	1.94	4.38	5.00	7.05	5.00	1-1/4 & 1-1/2	10.03	8.03	2.50	5.50	6.12	7.05	5.00	2-1/2
C2115ATZ	96	1-1/4 & 1-1/2	10.03	8.03	2.50	5.50	6.12	7.05	5.00	1-1/4 & 1-1/2	11.16	8.41	3.19	7.00	7.62	7.05	5.00	2-1/2
C2115ATZ (2)	208	2" & 2-1/2"	11.16	8.41	3.19	7.00	7.62	7.05	5.00	1-1/4 & 1-1/2	11.16	8.41	3.19	7.00	7.62	7.05	5.00	2-1/2
C2513ATZ	40	3/4 & 1"	10.03	8.53	1.94	4.38	5.00	7.05	5.00	1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	7.05	5.00	2-1/2
C2515ATZ	96	1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	7.05	5.00	1-1/4 & 1-1/2	12.22	9.47	3.19	7.00	7.62	7.05	5.00	2-1/2
C2515ATZ (2)	208	2" & 2-1/2"	12.22	9.47	3.19	7.00	7.62	7.05	5.00	1-1/4 & 1-1/2	12.22	9.47	3.19	7.00	7.62	7.05	5.00	2-1/2
C2813ATZ	128	2"	14.03	10.53	4.25	8.44	7.25	7.62	7.05	1-1/4 & 1-1/2	14.47	11.22	4.25	8.44	7.25	7.62	7.05	2-1/2
C2815ATZ	185	3"	14.47	11.22	4.25	8.44	7.25	7.62	7.05	1-1/4 & 1-1/2	15.91	11.84	5.38	10.56	9.00	7.62	7.05	2-1/2
C2815ATZ (2)	259	4"	15.91	11.84	5.38	10.56	9.00	7.62	7.05	1-1/4 & 1-1/2	18.72	13.47	7.00	12.75	15.00	7.62	7.05	2-1/2

FRAME SIZE	STANDARD SIZE						ONE SIZE LARGER											
	MAX. AMPS	AK(3)	AB	AC	AF	PART NUMBER	AK(3)	AB	AC	AF	PART NUMBER							
C2113ATZ	18	3/4	10.03	8.03	2.50	5.00	5.75	7.05	5.00	1-1/2	10.03	8.03	2.50	5.00	5.75	7.05	5.00	2-1/2
C2115ATZ	40	1"	10.03	8.03	2.50	5.00	5.75	7.05	5.00	1-1/2	10.97	8.53	3.00	6.00	7.00	7.05	5.00	2-1/2
C2115ATZ (2)	96	1-1/2"	10.97	8.53	3.00	6.00	7.00	7.05	5.00	1-1/2	12.66	8.91	3.62	7.88	9.23	7.05	5.00	2-1/2
C2513ATZ	18	3/4	10.97	8.53	3.00	6.00	7.05	5.00	5.75	1-1/2	11.09	9.09	2.50	5.00	5.75	7.05	5.00	2-1/2
C2515ATZ	40	1"	11.09	9.09	2.50	5.00	5.75	7.05	5.00	1-1/2	12.03	9.59	3.00	6.00	7.00	7.05	5.00	2-1/2
C2515ATZ (2)	96	1-1/2"	12.03	9.59	3.00	6.00	7.00	7.05	5.00	1-1/2	12.03	9.59	3.00	6.00	7.00	7.05	5.00	2-1/2
C2813ATZ	128	2"	12.78	10.34	3.00	6.00	7.00	7.05	5.00	1-1/2	14.47	10.72	3.62	7.88	9.23	7.05	5.00	2-1/2
C2815ATZ	185	3"	14.47	10.72	3.62	7.88	9.23	7.05	5.00	1-1/2	15.78	11.59	4.12	9.50	10.50	7.62	7.05	2-1/2
C2815ATZ (2)	259	4"	15.78	11.59	4.12	9.50	10.50	7.62	7.05	1-1/2	18.59	13.34	7.00	12.75	15.00	7.62	7.05	2-1/2

FRAME SIZE	STANDARD SIZE						ONE SIZE LARGER					
	AMP(S)	AB	AC	AF	X	Y	AB	AC	AF	X	Y	
C210	100	10.71	8.98	2.72	7.48	7.48	10.98	9.25	3.35	8.82	8.82	
200	11.26	9.25	3.35	7.48	7.48	10.98	9.25	3.35	7.48	7.48		
100	11.30	9.57	2.72	7.48	7.48	10.98	9.25	3.35	8.82	8.82		
200	11.85	9.84	3.35	8.82	8.82	10.98	9.25	3.35	7.48	7.48		
400	17.48	12.75	6.20	14.39	14.39	10.98	9.25	3.35	8.82	8.82		
800	17.48	12.75	6.20	14.39	14.39	10.98	9.25	3.35	7.48	7.48		
200	12.60	10.99	3.76	8.82	8.82	10.98	9.25	3.35	7.48	7.48		
400	18.27	13.54	6.20	14.39	14.39	10.98	9.25	3.35	7.48	7.48		
800	18.27	13.54	6.20	14.39	14.39	10.98	9.25	3.35	7.48	7.48		
1600	18.27	13.54	7.68	15.35	15.35	10.98	9.25	3.35	7.48	7.48		

(1) *MAX. CONDUIT
(2) STEEL TERMINAL BOX FOR C2113ATZ AND C2515ATZ
(3) *MAX. PIPE TAP
(4) TERMINAL BOX 76870-9R EXTENDS BELOW MOTOR FEET.
TERMINAL BOX CAN BE ROTATED FOR LEAD DULLET AT TOP, SIDES OR BOTTOM.
TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, V-1, V-4, V-5, V-7,
OR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.
FOR *X/P TERMINAL BOX DIMENSIONS SEE 609959-2.
FOR *Y/P 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	VERSION: 01	TDR: 000000816512
REV. LTR: A		
FILE: \RGG\00021\153		REVISED: 03:09:09 09/06/2013
MTL: -		BY: RGGWT

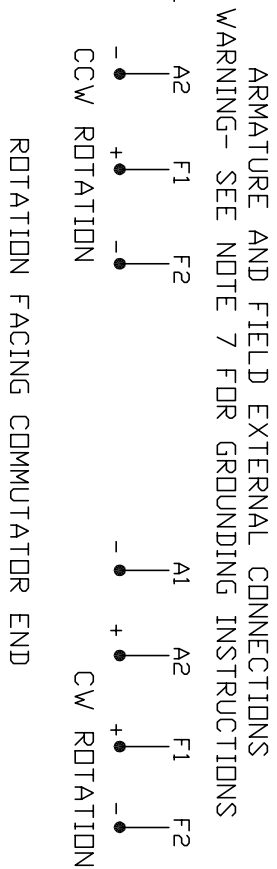
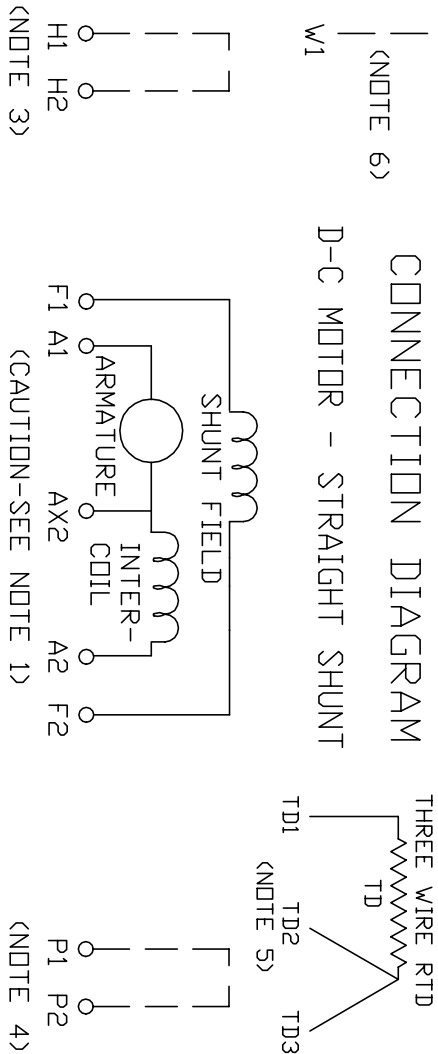


DIMENSION SHEET
SH 1 of 1

609959-001

406770-006

406770-006



1. **CAUTION** — ARMATURE MAY HAVE MULTIPLE LEADS. CONNECT ALL LUGS WITH THE SAME MARKING TOGETHER.
2. OPTIONAL CONTROL SIGNAL LEAD IS MARKED AX2. ALWAYS TAKE INTERPOLE DROP BETWEEN A2 AND AX2. NOTE: NEMA DESIGNATION FOR AX2 IS LETTER C.
3. SPACE HEATERS, WHEN PROVIDED, WILL HAVE LEADS MARKED H1 AND H2, H3, H4, ETC.
4. THERMAL PROTECTOR, WHEN PROVIDED, WILL HAVE LEADS MARKED P1 AND P2, P3, P4, ETC.
5. WINDING RTD'S, WHEN PROVIDED, WILL HAVE LEADS MARKED TD1, TD2, & TD3.
6. BRUSH WEAR SENSOR, WHEN PROVIDED, WILL HAVE LEAD MARKED W1.
7. **WARNING** — MOTOR MUST BE GROUNDED TO PREVENT SERIOUS INJURIES TO PERSONNEL. GROUND THE MOTOR PER IEC, NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL ELECTRICAL CODES. A TAPPED HOLE IS PROVIDED IN THE CONDUIT BOX, ON THE FOOT. FRAME BRACE OR OPPOSITE OPPOSITE DRIVE END BRACKET, ADJACENT TO THE TERMINAL BOX FOR FOR MOTOR GROUNDING. GROUND LEAD, WHEN PROVIDED, WILL BE GREEN.

CUSTOMER _____ RELIANCE _____
ORDER NO. _____ S.D. NO. _____

REV. DESC: UPDATE LOGO AND TITLEBLOCK: LOADED TO BUS		
REV. LTR: -	VERSION: 00	TDR: 000000781086
FILE: \RSN\00026\515	REVISED: 02: 41: 08 02/01/2013	
MTL: -	BY: MGHPC	

BALDOR

D-C MOTOR CONNECTION DIAGRAM, STRAIGHT SHUNT

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