

ABB BALDOR RELIANCE III

Customer information packet

D5160R-BV

60HP, 1150RPM, DC, 2515ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	C2515ATZ
Frame Material	Exposed Laminations
Output Power	60.000 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	C
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	42.44 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger

Part Detail

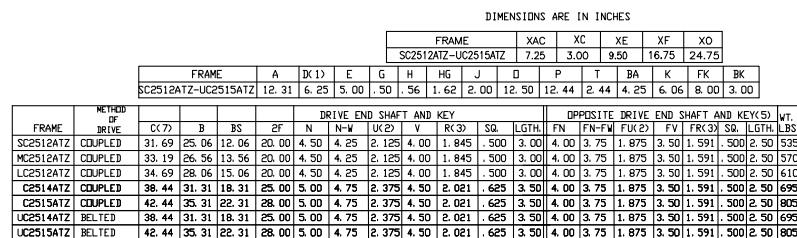
Revision	B
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	G8384A B
Layout	616012-001
Eff. date	05-02-2015
CD Diagram	406770-006
Poles	00
Leads	
Proprietary	False
Created date	04-22-2015

Nameplate

000613006HP									
CAT.NO.	D5160R-BV	SPEC NO.		T25T1364					
FR	C2515ATZ	HP	60		DUTY		CONT		
ENCL.	DP	RPM	1150			S.F.	1.0		
ENCL MOD	FORCE VENT	VOLTS		500		INSUL		F	
MAX SAFE SPEED	3400	AMPS		102.00		AMB.		40	
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		65BC03J30X					
MAX AMPS @ 25 C	5.18	O.D.E. BRG.		50BC02J30X					
HOT AMPS	3.96	MIN. AMB.		0		TYPE		TR	
BRUSH:419904051AB									

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES SC2512ATZ THRU UC2515ATZ



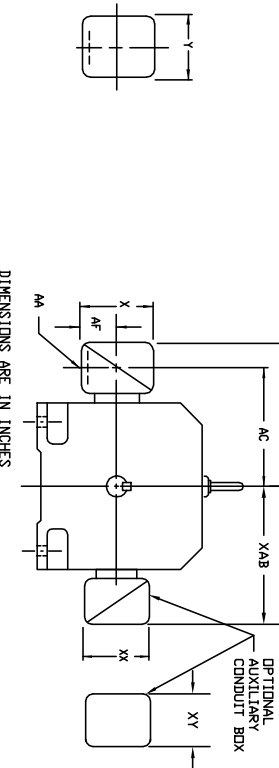
- (1) "B" DIMENSION WILL NOT EXCEED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) "P" AND "F" MAY VARY .000 TO .005 INCHES.
- (3) "AB" AND "FR" VARY .000 TO .010 INCHES.
- (4) "X" AND "Y" MAY VARY .000 TO .005 INCHES.
- (5) "X" AND "Y" MAY VARY .000 TO .005 INCHES. DIMENSIONS "A", "AB", "AC", "AF", "X" AND "Y", REFER TO BOX D/S. (S.D.T. 609959-1, "X"/P 609959-2, "Y"/P 609959-3).
- (6) OPPOSITE DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.
- (7) SHAFT MUST TAPPED FOR SCREW DRIVES.
- (8) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF SCREW DRIVES, THE DRIVE END AND .250 TO .375 INCHES FROM THE TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM.
- (9) BOX LOCATED ON TOP OF MOTOR. BOX LOCATED ON TOP OF MOTOR, C-1 OR C-2 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.
- (10) DRIVE LOUVER LOCATED ON TOP OF MOTOR. DRIVE LOUVER LOCATED ON TOP OF BLOWER ASSEMBLY AND TERMINAL BOX CAN NOT BE LOCATED AT THE SAME POSITION.
- (11) MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.
- (12) MOUNTING FLANGE DETAIL IS NOT SHOWN.

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

REV. DESC: LOADED TO BUS		
REV. LTR: -	VERSION: 00	TDR: 000000578087
FILE: \RGG\00015\979	REVISED: 11:06:09 01/28/2011	BY: CONNAS
MTL: -		

BALDOR
 DIMENSION DRAWING, SC2512ATZ – UC2515ATZ, 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

STEEL TERMINAL BOX DIMENSIONS															
FRAME SIZE	MAX. AMPS	STANDARD SIZE					ONE SIZE LARGER					PART NUMBER			
		AA(1)	AB	AC	AF	Y	AA(1)	AB	AC	AF	Y				
C2113ATZ	40	3/4 & 1"	8.97	7.47	1.94	4.38	5.00	7.05028-1-R	1-1/4 & 1-1/2	10.03	8.03	2.50	5.50	6.12	7.05029-1-R
C2115ATZ	96	1-1/4 & 1-1/2	10.03	8.03	2.50	5.50	6.12	7.05029-1-R	2" & 2-1/2	11.16	8.41	3.19	7.00	7.62	7.05030-1-R
(2)	208	2" & 2-1/2	11.16	8.41	3.19	7.00	7.62	7.05030-1-R	2" & 2-1/2	11.16	8.41	3.19	7.00	7.62	7.05030-1-R
C2514ATZ	40	3/4 & 1"	8.03	6.53	1.94	4.38	5.00	7.05028-1-R	1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	7.05029-1-R
C2514ATZ	96	1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	7.05029-1-R	2" & 2-1/2	12.22	9.47	3.19	7.00	7.62	7.05030-1-R
(2)	208	2" & 2-1/2	12.22	9.47	3.19	7.00	7.62	7.05030-1-R	2" & 2-1/2	12.22	9.47	3.19	7.00	7.62	7.05030-1-R
C2815ATZ	155	3"	14.03	10.53	4.25	8.44	7.25	7.06704-R	3"	14.47	11.22	4.25	8.44	7.25	7.06704-R
C2815ATZ	259	4"	15.91	11.84	5.38	10.56	9.00	7.06308-3-R	5" (4)	18.72	13.47	7.00	12.75	15.00	7.06358-1-C

CAST IRON TERMINAL BOX DIMENSIONS															
FRAME SIZE	MAX. AMPS	STANDARD SIZE					ONE SIZE LARGER								
		AB	AC	AF	X	Y	NUMBER	AB	AC	AF	X	Y	NUMBER		
C2113ATZ	18	3/4	10.03	8.03	2.50	5.00	5.75	7.05028-2-S	1"	10.03	8.03	2.50	5.00	5.75	7.05028-2-T
C2113ATZ	40	1"	10.03	8.03	2.50	5.00	5.75	7.05028-2-T	1-1/2	10.97	8.53	3.00	6.00	7.00	7.05029-2-R
C2115ATZ	96	1-1/2	10.97	8.53	3.00	6.00	7.00	7.05029-2-R	2"	10.97	8.53	3.00	6.00	7.00	7.05029-2-S
C2514ATZ	208	2"	10.97	8.53	3.00	6.00	7.00	7.05029-2-S	2-1/2	12.66	8.91	3.62	7.88	9.25	7.06300-2-R
C2514ATZ	18	3/4	11.09	9.09	2.50	5.00	5.75	7.05028-2-S	1"	11.09	9.09	2.50	5.00	5.75	7.05028-2-T
C2514ATZ	40	1"	11.09	9.09	2.50	5.00	5.75	7.05028-2-T	1-1/2	12.03	9.59	3.00	6.00	7.00	7.05029-2-R
C2514ATZ	96	1-1/2	12.03	9.59	3.00	6.00	7.00	7.05029-2-R	2"	12.03	9.59	3.00	6.00	7.00	7.05029-2-S
C2515ATZ	208	2"	12.03	9.59	3.00	6.00	7.00	7.05029-2-S	2-1/2	13.72	9.97	3.62	7.88	9.25	7.06300-2-R
C2813ATZ	158	2"	12.78	10.34	3.00	6.00	7.00	7.06460-T	3"	14.47	10.72	3.62	7.88	9.25	7.06700-4R
C2813ATZ	195	3"	14.47	10.72	3.62	7.88	9.25	7.06700-4R	4"	15.78	11.59	4.12	9.50	10.50	7.06708-4R
C2815ATZ	259	4"	15.78	11.59	4.12	9.50	10.50	7.06708-4R	5" (4)	18.59	13.34	7.00	12.75	13.50	7.06707-5

CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (IEC TYPE BOX)									
STANDARD SIZE									
FRAME SIZE	AMPS	AB	AC	AF	X	AA	Y	PART NUMBER	PART NUMBER
C210	100	10.71	8.98	2.72	7.48	--	7.48	7.06310-56-A	7.06310-225-R
	200	11.66	9.23	3.33	8.82	--	8.82	7.06310-56-B	7.06310-226-R
	100	11.30	9.57	2.72	7.48	--	7.48	7.06310-56-A	7.06310-225-R
C250	200	11.85	9.84	3.35	8.82	--	8.82	7.06310-56-B	7.06310-226-R
	400	17.48	12.75	6.20	14.39	--	14.39	7.06310-63-B & 7.06310-63G	7.06310-63-B & 7.06310-63G
	800	17.48	12.75	6.20	14.39	--	14.39	7.06310-63-B & 7.06310-63G	7.06310-63-B & 7.06310-63G
C280	200	12.60	10.59	3.76	8.82	--	8.82	7.06310-56-B	7.06310-226-R
	400	18.27	13.54	6.20	14.39	--	14.39	7.06310-63-B & 7.06310-63G	7.06310-63-B & 7.06310-63G
	800	18.27	13.54	6.20	14.39	--	14.39	7.06310-63-B & 7.06310-63G	7.06310-63-B & 7.06310-63G
	1600	18.27	13.54	7.68	15.35	--	15.35	7.06310-63-C	7.06310-63-C

OPTIONAL AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM)										
FRAME SIZE	XAB	XY	PART NUMBER	FRAME SIZE	XAB	XY	PART NUMBER	FRAME SIZE	PART NUMBER	
C210	7.38	4.25	6.02007-26-A	C210	10.88	8.00	7.06310-3-B	C250	11.88	8.00
C250	8.44	4.25	6.02007-26-A	C250	11.88	8.00	7.06310-3-B	C280	12.62	8.00
C280	9.12	4.25	6.02007-26-A	C280	12.62	8.00	7.06310-3-B			

(1) MAX CONDUIT
(2) RATES PROVIDED WITH DOUBLE KNUCKLE
(3) MAX PIPE DIA.

(4) TERMINAL BOX 76870-5 AND 76870-98 EXTENDS BELOW MOTOR FEET
TERMINAL BOX 76870-5 AND 76870-98 EXTENDS BELOW MOTOR FEET
DR C-1 MOUNTING IS SPECIFIED. BOX LOCATED IN TOP WHEN SPECIFIED.
FOR "X"/"Y" 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

