

ABB BALDOR RELIANCE III

Customer information packet D2515R

15 1750/2300 SC2512ATZ TEFC 240V

Specifications

Enclosure	TEFC
Frame	SC2512ATZ
Frame Material	Exposed Laminations
Output Power	15.000 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Feedback Device	CUST SUPPLIED/PROVISIONS
Field Winding Type	STAB SHUNT
Frame Prefix	SC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	35.94 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.	G6304B B
Layout	609951-013
Eff. date	04-13-2015
CD Diagram	406770-001
Poles	00
Leads	
Proprietary	False
Created date	04-10-2015

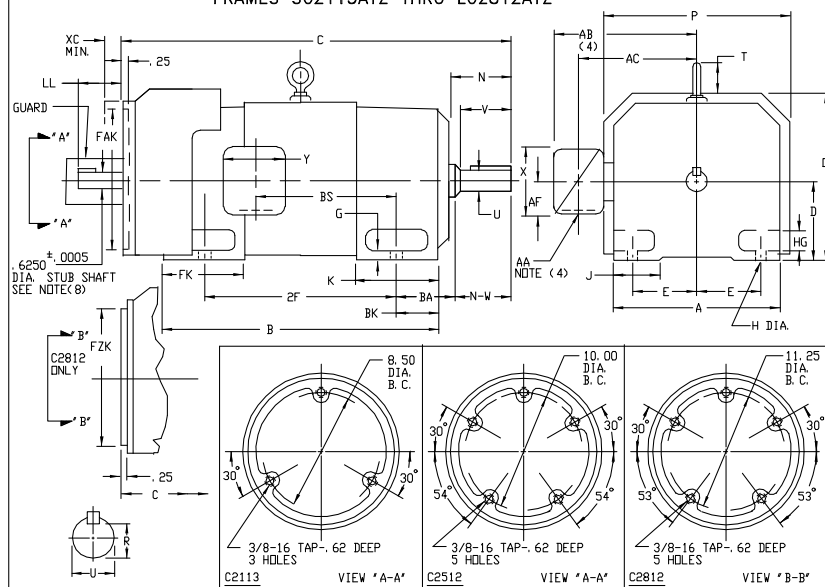
Nameplate

000613006HP									
CAT.NO.			SPEC NO.		T25S0301				
FR	SC 2512ATZ		HP	15		DUTY	CONT		
ENCL.	TEFC		RPM	1750/ 2300		S.F.	1.0		
ENCL MOD			VOLTS	240		INSUL	F		
MAX SAFE SPEED	4500		AMPS	53.50		AMB.	40		
FIELD DATA			SER.NO.						
WINDING	STAB SHUNT		POWER CODE		C				
VOLTS	150		D.E. BRG.		60BC03J30X				
MAX AMPS @ 25 C	2.18		O.D.E. BRG.		50BC02J30X				
HOT AMPS	1.49/ 1.10		MIN. AMB.		0		TYPE	TR	
		BRUSH:419904051AD							

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT
METHOD OF DRIVE: COUPLED OR BELTED

COOLING: FAN COOLED
ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES SC2113ATZ THRU LC2812ATZ



DIMENSIONS ARE IN INCHES

FRAME	A	B(1)	E	G	H	HG	J	D	P	T	BA	K	FK	BK	FAK(6)	FZK(7)	XC
SC2113ATZ-LC2113ATZ	10.25	5.25	4.25	.44	.44	1.38	1.75	11.62	12.75	1.38	3.50	5.19	6.81	2.38	9.750	N/A	1.25
SC2812ATZ-LC2812ATZ	12.31	6.25	5.00	.50	.56	1.62	2.00	13.62	14.75	1.94	4.25	6.06	8.00	3.38	11.250	N/A	1.25
MC2812ATZ-LC2812ATZ	13.78	7.00	5.00	.62	.56	1.88	2.75	15.06	16.12	2.31	4.75	6.75	9.19	3.50	N/A	12.500	1.25

FRAME	C	B	BS	2F	DRIVE END SHAP AND KEY							WT. BS
					N	N-W	UK(2)	Y	RC(3)	SD	LGTH	
SC2113A72	31.29	22.50	11.38	18.00	4.00	3.75	1.875	3.50	591	590	2.50	355
SC2113A72	33.44	23.75	12.62	18.00	4.00	3.75	1.875	3.50	591	590	2.50	380
LC2113A72	35.06	25.38	14.25	18.00	4.00	3.75	1.875	3.50	591	590	2.50	410
SC2113A72	35.94	26.50	12.06	20.00	4.50	2.52	1.260	4.00	845	590	3.00	555
SC2512A72	37.44	26.56	13.56	20.00	4.50	2.52	1.260	4.00	845	590	3.00	590
LC2512A72	38.94	28.06	15.06	20.00	4.50	2.52	1.260	4.00	845	590	3.00	630
MC2812A72	41.62	29.94	14.25	22.00	5.00	4.75	2.375	4.50	502	621	3.50	835
LC2812A72	43.98	32.19	16.50	22.00	5.00	4.75	2.375	4.50	502	621	3.50	900

- (1) "B" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) "E" VARIES-----, 0.000 - 0.001
- (3) "F" VARIES-----, 0.000 - 0.015
- (4) "G" VARIES-----, 0.000 - 0.015
- (5) "H" VARIES-----, 0.000 - 0.015
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- (24) "AA" VARIES-----, 0.000 - 0.015
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- (86) "CK" VARIES-----, 0.000 - 0.015
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- (111) "DJ" VARIES-----, 0.000 - 0.015
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- (113) "DL" VARIES-----, 0.000 - 0.015
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- (115) "DN" VARIES-----, 0.000 - 0.015
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- (123) "DV" VARIES-----, 0.000 - 0.015
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- (127) "DZ" VARIES-----, 0.000 - 0.015
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- (138) "EK" VARIES-----, 0.000 - 0.015
- (139) "EL" VARIES-----, 0.000 - 0.015
- (140) "EM" VARIES-----, 0.000 - 0.015
- (141) "EN" VARIES-----, 0.000 - 0.015
- (142) "EO" VARIES-----, 0.000 - 0.015
- (143) "EP" VARIES-----, 0.000 - 0.015
- (144) "EQ" VARIES-----, 0.000 - 0.015
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TACHOMETER	LU
BC-42	
BC-46	
RD-11	
RD-12	4.
RD-51	
RD-61	
RD-62	
RE-210	
M627, M628	
M727, M737	
M738	
DYNAPAR 74S	
RE-045	3. 8
SPY	1. 1
	SEE NOTES (9)

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

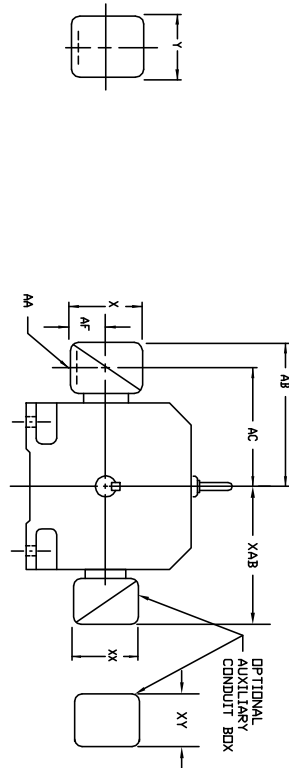
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MTL: -				

BALDOR

DIMENSION DRAWING,SC2113ATZ – LC2812ATZ,TEFC,FOOT MTG

SH 1 of 1

INDUSTRIAL DIRECT CURRENT MOTORS
AND GENERATORS - RPM III
TERMINAL BOX DIMENSIONS
STANDARD SIZE AND ONE SIZE LARGER
FRAMES C2113A1Z THRU C2815A1Z



DIMENSIONS ARE IN INCHES

[illegible]

CAST IRON TERMINAL BOX DIMENSIONS																		
FRAME SIZE	MAX. AMPS	STANDARD SIZE							PART NUMBER		DNE SIZE LARGER				PART NUMBER			
		AA(2)	AB	AC	AF	X	Y			AA(3)	AB	AC	AF	X	Y			
C2812A17	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		
C2113A17	40	1"	10.03	8.03	2.50	5.00	5.75	705028-2-T		1-1/2	10.97	8.53	3.00	6.00	7.00	705029-2-R		
C2115A17	96	1-1/2	10.97	8.53	3.00	6.00	7.00	705029-2-R		2"	10.97	8.53	3.00	6.00	7.00	705029-2-R		
C2512A17	18	3/4	11.09	9.09	2.50	5.00	5.75	705028-2-S		1"	11.09	9.09	2.50	5.00	5.75	705028-2-T		
C2514A17	40	1"	11.09	9.09	2.50	5.00	5.75	705028-2-T		1-1/2	12.03	9.99	3.00	6.00	7.00	705029-2-R		
C2515A17	96	1-1/2	12.03	9.99	3.00	6.00	7.00	705029-2-R		2"	12.03	9.99	3.00	6.00	7.00	705029-2-R		
C2812A17	18	3/4	10.34	8.34	3.00	6.00	7.00	705029-2-S		1-1/2	11.32	9.37	3.62	7.88	9.25	705030-2-R		
C2814A17	40	1"	10.34	8.34	3.00	6.00	7.00	705029-2-T		2"	11.32	9.37	3.62	7.88	9.25	705030-2-R		
C2815A17	185	3"	14.47	10.72	3.62	7.88	9.25	767000-RB		4"	14.47	10.72	3.62	7.88	9.25	767000-RB		
C2815A17	269	4"	15.78	11.39	4.12	9.50	10.50	767008-RR		5" (4)	18.59	13.59	4.12	12.75	15.00	768700-RR		

CONDUIT BOX DIMENSIONS WITH TERMINAL BORDERS (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	706310-56-A	706310-225-R	
	200	11.26	9.25	3.35	8.82	---	8.82	706310-56-B	706310-226-R	
	100	11.30	9.57	2.72	7.48	---	7.48	706310-56-A	706310-225-R	
C250	200	11.85	9.84	3.35	8.82	---	8.82	706310-56-B	706310-226-R	
	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	
C280	200	12.60	10.99	3.76	8.82	---	8.82	706310-56-B	706310-226-R	
	400	18.27	13.54	6.20	14.39	---	14.39	706310-63-B & 706310-636	706310-63-B & 706310-636	
	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		X-Y		PART NUMBER	
C310	7.48	4.25	4.25	602007-26-A	C310
C350	8.44	4.23	4.23	602007-26-A	C350
C380	9.12	4.23	4.23	602007-26-A	C380

- (1) STEEL CONDUIT.
(2) "AA" TERMINAL BOX FOR CELL13A17 AND C5512A17
(3) FRAMES PROVIDED WITH DOUBLE KNOCKOUT.
(4) "AA" PIPE TAP.
- (4) TERMINAL BOX 76870-05 AND 76870-0R EXTENDS BELOW MOTOR FEET.
TERMINAL BOX CAN BE ROUTED FOR LEAD OUTLET AT TOP, SIZES 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.
FOR "X"PP TERMINAL BOX DIMENSIONS SEE 609393-2
FOR "LL" TYPE TERMINAL BOX DIMENSIONS SEE 609393-3.

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

BALDOIR

DIMENSION SHEET

SH 1 of 1

