

ABB BALDOR RELIANCE III

Customer information packet

D50125UR-BV

125HP, 1750RPM, DC, 2813ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	UC2813ATZ
Frame Material	Steel
Output Power	125.000 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	UC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	41.75 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.	G8290A B
Layout	616022-001
Eff. date	04-13-2015
CD Diagram	406770-006
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006HP									
CAT.NO.	D50125UR-BV	SPEC NO.		T28T1349					
FR	UC 2813ATZ	HP	125		DUTY		CONT		
ENCL.	DP	RPM	1750/ 2000			S.F.	1.0		
ENCL MOD	FORCE VENT	VOLTS		500		INSUL		F	
MAX SAFE SPEED	4000	AMPS		204.00		AMB.		40	
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		75RU02M30X					
MAX AMPS @ 25 C	6.93	O.D.E. BRG.		55BC02J30X					
HOT AMPS	4.87/ 4.24	MIN. AMB.		0		TYPE		TR	
BRUSH:419904051AF									

Parts List

Part number	Description	Quantity
SA297057	SA T28T1349	1.000 ea
AA016108	AA T28T1349	1.000 ea
000613006HP	NAMEPLATE - RPM III D-C MOTOR W/CSA LOGO	1.000 ea
000692000FP	NP, WARNING LIFT INSTRUCTIONS	1.000 ea
000692000FS	WARNING LABEL	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	6.000 ea
406770006	C/D TAG STRAIGHT SHUNT	1.000 ea
416822013AB	NU215 AFBMA3 BRS RBEC1 S SLUSH	1.000 ea
036000020HB	HHCS M6-1.0X20MM PLATED	4.000 ea
036000020KB	MHHCS M10-1.5X20MM PLTD.	4.000 ea
036501008AB	KPNUT M6-1.0 ZINCPLTED	8.000 ea
036610010AB	MHSLW M10 PLATED	4.000 ea
419904-51AF	BRUSH METRIC C	8.000 ea
419905003A	FLAT WASHER ROCKER RPM III RGG	4.000 ea
419905008A	HARDWARE	8.000 ea
706364051H	BRHLD METRIC SPRING CHG.	4.000 ea
706372011RG	BR STUD/ROCKER	1.000 ea
034693001AB	PPLG - G508- use 034692001AB	1.000 ea
034693001AB	PPLG - G508- use 034692001AB	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001BB	GREASE FTG,GRS.IN	1.000 ea
036000060KB	HHCS,DE CAP	3.000 ea
036100060JA	M8-1.25 X 60MM HXSOCHDCS	3.000 ea
036500011AB	METRIC NUT M12-1.75 PLT.	4.000 ea
036500011AB	METRIC NUT M12-1.75 PLT.	4.000 ea
406055001C	GRFTG	1.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
609830005AAX	TBOLT .500" X 20.38"	4.000 ea
801928102D	BRKT,ODE,C280	1.000 ea
801929102B	BRKT,DE,C280	1.000 ea
000613006NT	NAME PLATE IEC	1.000 ea

032018004CK	HHCS 3/8-16X1/2L PLATED	4.000 ea
032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
036000012HB	HHCS M6X12MM LONG PLATED	4.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	3.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	4.000 ea
036000045JB	M8-1.25 X 45MM HXHCS	4.000 ea
036600009AB	METRIC FLWASH M8 PLATED	3.000 ea
036620009AB	M8 EXTERNAL LK WASHER	1.000 ea
077176001A	CBOX Cover 360-400	1.000 ea
402731001A	GASK 360-440	1.000 ea
410978010E	INLET FLGE	1.000 ea
410978019A	SCREEN, INLET FLANGE	1.000 ea
417733004E	GASKT	2.000 ea
418014004A	609185004cDPT/BOX	1.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 ea
422919053	HHCVR KIT, C280, DE, XT	1.000 ea
422919055	HHCVR KIT, C280, DE, LOUVERED	1.000 ea
422919055	HHCVR KIT, C280, DE, LOUVERED	1.000 ea
422919064	HHCVR KIT, C280, ODE, SOLID	1.000 ea
422919064	HHCVR KIT, C280, ODE, SOLID	1.000 ea
610490001AF	24M 2P TEFC VER 56C SUPER E	1.000 ea
611917002E	GASKT	1.000 ea
611965001A	WHEEL, BLOWER	1.000 ea
706305026A	GUARD,SHAFT	1.000 ea
706320016A	CONDUIT BOX	1.000 ea
708528004A	BLOWER HOUSING	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
000692000NG	LABEL ;NP 4POLE METRIC LABEL	1.000 ea
032018024DK	HHCS 1/2-13X3L PLATED	1.000 ea
034001016AB	WSHR .562ID 1.375OD .109	1.000 ea
034180032HA	KEY 5/8X5/8X4	1.000 ea
418018116	WARNING PLATE	1.000 ea

ACCESSORIES: PROVISION FOR
FRAMES MC2812ATZ THRU UC2815ATZ TACHOMETER MOUNTING
ONLY WHEN SPECIFIED



FRAME	XAC	XC	XE	XF	XO
MC2812ATZ-UC2815ATZ	6.38	4.00	9.25	19.00	26.25

FRAME		13	DK 12	E	G	62	56	HG	J	D	10	P	9	T	BA	K	FK	BK	
MC2812ATZ-UC2815ATZ		13.78	7.00	5.0	5.0	62	56	1.98	2.75	14.00	13.94	2.80	4.75	6.75	9.19	3.50			
N-NAME	METHOD OF REPAIR	CT(7)	B	BS	DRIVE END SHAFT AND KEY				OPPOSITE END SHAFT AND KEY(S)										VT.
N-NAME	METHOD OF REPAIR	CT(7)	B	BS	PK	UK	UK	PK	UK	UK	PK	UK	UK	PK	UK	UK	PK	UK	
C2812ATZ	COUPLED	37.38	29.94	14.25	22.00	5.00	4.75	2.375	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.00110
UC2812ATZ	BELTED	37.88	29.94	14.25	22.00	5.00	5.25	2.625	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.00015
C2812ATZ	COUPLED	39.62	32.19	16.50	22.00	5.00	4.75	2.375	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.00885
ULC2812ATZ	BELTED	40.12	32.19	16.50	22.00	5.00	5.25	2.625	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.00990
C2813ATZ	COUPLED	41.25	33.81	18.12	25.00	5.00	4.75	2.375	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.00940
UC2813ATZ	BELTED	41.75	33.81	18.12	25.00	5.00	5.25	2.625	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.00945
C2815ATZ	COUPLED	46.75	39.31	23.62	32.00	5.00	4.75	2.375	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.001125
UC2815ATZ	BELTED	47.25	39.31	23.62	32.00	5.00	5.25	2.625	4.50	6.01	625	3.50	4.50	4.25	1.25	4.00	1.845	300	3.001130

- [illegible]

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

REV. LTR: -			VERSION: 00	TDR: 000000578087
FILE: \RGG\00016\005		REVISED: 01:13:50 01/28/2011		BY: CONNAS
MTL: -				

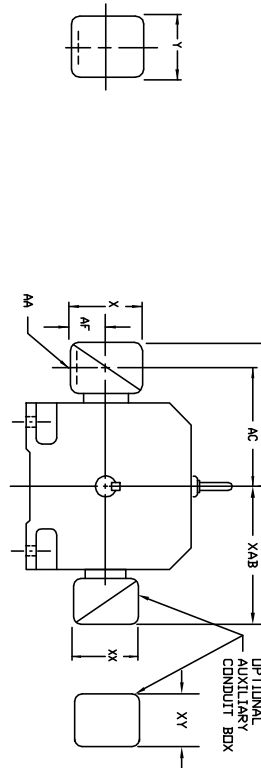
DIMENSION DRAWING,MC2812ATZ - UC2815ATZ,DPP,FOOT MTG

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	155	3"	14.03	10.53	4.25	8.44	7.25	74874-R	3"	14.47	11.22	4.25	8.44	7.25	74874-R	3"	14.47	11.22	4.25
C2815ATZ	259	4"	15.91	11.82	4.25	8.44	7.25	74874-24-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"	10.03	8.03	2.50
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	6.00	7.00	705029-2-R	1-1/2	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"	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-T	2-1/2	11.09	9.09	2.50
C2516ATZ	18	3/4	11.09	9.09	2.50	5.00	5.75	705028-2-S	1"	12.03	9.59	3.00	6.00	7.00	705029-2-R	1-1/2	12.03	9.59	3.00
C2514ATZ	40	1"	11.09	9.09	2.50	5.00	5.75	705028-2-T	1-1/2	12.03	9.59	3.00	6.00	7.00	705029-2-S	1-1/2	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"	13.72	9.97	3.62
C2813ATZ	128	2"	12.78	10.34	3.00	6.00	7.00	75460-T	3"	14.47	10.72	3.62	7.88	9.25	76708-R	3"	14.47	10.72	3.62
C2815ATZ	195	3"	14.47	10.72	3.62	7.88	9.25	76708-R	4"	15.78	11.59	4.12	9.50	10.50	76708-R	4"	15.78	11.59	4.12
C2815ATZ	259	4"	15.78	11.59	4.12	9.50	10.50	76708-R	5" (4)	18.59	13.34	7.00	12.75	15.00	706589-1-C	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	NUMBER	AB	AC	AF	X	Y	NUMBER
C210	100	10.71	8.98	2.72	7.48	7.48	706310-56-A	10.71	8.98	2.72	7.48	7.48	706310-56-A
	200	11.66	9.25	3.35	8.82	8.82	706310-56-B	11.66	9.25	3.35	8.82	8.82	706310-56-B
	400	11.30	9.57	2.72	7.48	7.48	706310-56-A	11.30	9.57	2.72	7.48	7.48	706310-56-A
C250	200	11.85	9.84	3.35	8.82	8.82	706310-56-B	11.85	9.84	3.35	8.82	8.82	706310-56-B
	400	17.48	12.75	6.20	14.39	14.39	706310-63-B & 706310-63G	17.48	12.75	6.20	14.39	14.39	706310-63-B & 706310-63G
	800	17.48	12.75	6.20	14.39	14.39	706310-63-B & 706310-63G	17.48	12.75	6.20	14.39	14.39	706310-63-B & 706310-63G
C280	200	12.60	10.59	3.76	8.82	8.82	706310-56-B	12.60	10.59	3.76	8.82	8.82	706310-56-B
	400	18.27	13.54	6.20	14.39	14.39	706310-63-B & 706310-63G	18.27	13.54	6.20	14.39	14.39	706310-63-B & 706310-63G
	800	18.27	13.54	6.20	14.39	14.39	706310-63-B & 706310-63G	18.27	13.54	6.20	14.39	14.39	706310-63-B & 706310-63G
	1600	18.27	13.54	7.68	15.35	15.35	706310-63-C	18.27	13.54	7.68	15.35	15.35	706310-63-C

FRAME SIZE	XAB	XY	PART NUMBER		FRAME SIZE	XAB	XY	PART NUMBER	
			C210	C250				C210	C250
C210	7.38	4.25	602007-26-A	C250	11.88	8.00	706310-3-B	11.88	8.00
C250	8.44	4.25	602007-26-A	C280	12.62	8.00	706310-3-B	12.62	8.00
C280	9.12	4.25	602007-26-A						

(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"/"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

