

ABB BALDOR RELIANCE III

Customer information packet

D50400R-BV

400HP, 1750RPM, DC, 4013ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	MC4013ATZ
Frame Material	Exposed Laminations
Output Power	400.000 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	F2
Overall Length	56.94 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.	G7518A A
Layout	609962-013
Eff. date	08-30-2023
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

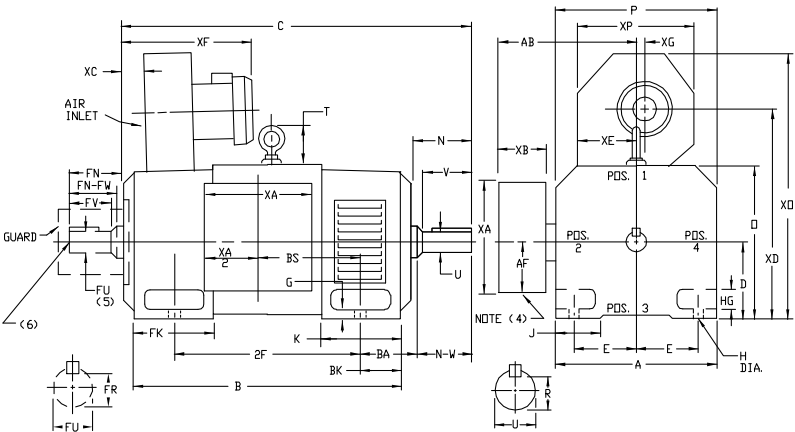
000613006HP									
CAT.NO.	D50400R-BV	SPEC NO.	T40S1314						
FR	MC 4013ATZ	HP	400	DUTY	CONT				
ENCL.	DP	RPM	1750/2000		S.F.	1.0			
ENCL MOD	FORCE VENT	VOLTS	500		INSUL	F			
MAX SAFE SPEED	03000	AMPS	640.00		AMB.	40			
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE	C						
VOLTS	300	D.E. BRG.	95BC02J30X						
MAX AMPS @ 25 C	11.94	O.D.E. BRG.	95BC02J30X						
HOT AMPS	8.27/7.10	MIN. AMB.	0		TYPE	TR			
BRUSH:419904052AB									

609962-013

INDUSTRIAL DIRECT CURRENT MOTORS
AND GENERATORS - RPM III

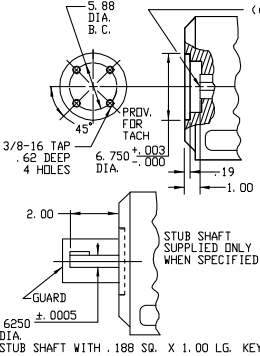
ENCLOSURE: DRIP-PROOF FULLY-GUARDED COOLING: FORCE VENTILATED
WITH INTEGRAL
SPLASHPROOF BLOWER AND MOTOR
MOUNTING: FOOT ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES C4011ATZ THRU ULC4013ATZ



DIMENSIONS ARE IN INCHES

FRAME		A	DC	(1)	E	G	H	HG	J	D	P	T	BA	K	FK	BK	AB	AF	RH(6)	
C4011ATZ-ULC4013ATZ		19.38	10.00	8.00	1.06	1.06	2.82	3.50	19.81	19.56	4.31	6.62	8.75	12.12	5.25	16.12	8.00	.6240		
FRAME	METHOD OF DRIVE	C(7)	B	BS	2F	N	N-W	UC(2)	V	R(3)	SQ	LGTH	FN	FN-FW	FUC(2)	FV	FR(3)	SQ	LGTH	WT. LBS.
C4011ATZ	COUPLED	52.19	42.06	16.00	28.00	7.62	7.25	3.625	7.00	3.134	.875	5.75	7.62	7.25	3.625	7.00	3.134	.875	5.75	2500
UC4011ATZ	BELTED	53.19	42.06	16.00	28.00	8.62	8.25	4.125	8.00	3.563	1.000	6.50	7.62	7.25	3.625	7.00	3.134	.875	5.75	2505
MC4013ATZ	COUPLED	56.94	46.81	20.75	36.00	7.62	7.25	3.625	7.00	3.134	.875	5.75	7.62	7.25	3.625	7.00	3.134	.875	5.75	2800
UMC4013ATZ	BELTED	57.94	46.81	20.75	36.00	8.62	8.25	4.125	8.00	3.563	1.000	6.50	7.62	7.25	3.625	7.00	3.134	.875	5.75	2805
LC4013ATZ	COUPLED	60.19	50.06	24.00	36.00	7.62	7.25	3.625	7.00	3.134	.875	5.75	7.62	7.25	3.625	7.00	3.134	.875	5.75	3100
ULC4013ATZ	BELTED	61.19	50.06	24.00	36.00	8.62	8.25	4.125	8.00	3.563	1.000	6.50	7.62	7.25	3.625	7.00	3.134	.875	5.75	3105



FRAME	XA	XB	XC	XD	XE	XF	XG	XD	XP
C4011ATZ-ULC4013ATZ	16.00	6.00	6.88	26.00	8.69	23.50	3.38	33.62	15.12

- (1) "D" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
(2) "UP" AND "FP" VARY -----.000 - .001
(3) "R" AND "FR" VARY -----.000 - .015
(4) CUSTOMER TO PROVIDE HOLE IN TERMINAL BOX FOR CONDUIT.
(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 OPP. DRIVE END, ADD .25 TO "C" DIM. FOR BRACKET COVER.
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 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: 000000577407
REV. LTR: -	REVISED: 12:04:54 01/26/2011	BY: CONNAS
FILE: \RGG\00015\600		
MTL: -		

BALDOR
DIMENSION DRAWING, C4011ATZ - ULC4013ATZ, DPP, FOOT MTG.
SH 1 of 1

609962-013