



Customer information packet

D51200R-1BV

MC4013ATZ, 200HP, 1150RPM, 500, 300, , F1

Specifications

Armature Voltage	500 V
Base Speed	1150 rpm
Enclosure	DPG-FV
Field Voltage	300 V
Frame	MC4013ATZ
Output Power	200.000 HP
Ambient Temperature	40 °C
Armature Current	320.0 a
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
IP Rating	IP23
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Service Factor	1.00
Shaft Diameter	3.624 IN
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.	G7635D B
Layout	609962-001
Eff. date	08-30-2023
CD Diagram	406770-006
Poles	00
Leads	
Proprietary	False
Created date	01-22-2019

Nameplate

000613006HP									
CAT.NO.	D51200R-1BV	SPEC NO.		D40-A000-0028					
FR	MC4013ATZ	HP	200			DUTY	CONT		
ENCL.	DPG-FV	RPM	1150/2000			S.F.	1.00		
ENCL MOD		VOLTS	500			INSUL	F		
MAX SAFE SPEED	03000	AMPS	320.00			AMB.	40		
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT		POWER CODE		C				
VOLTS	300		D.E. BRG.		95BC02J30X				
MAX AMPS @ 25 C	7.57		O.D.E. BRG.		95BC02J30X				
HOT AMPS	5.70/3.07		MIN. AMB.		0		TYPE		TR
BRUSH:419904052AA									

INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS - RPM III

ENCLOSURE: DRIP-PROOF FULLY-GUARDED.

SPLASHPROOF

MOUNTING:FOOT

COOLING: FORCE VENTILATED

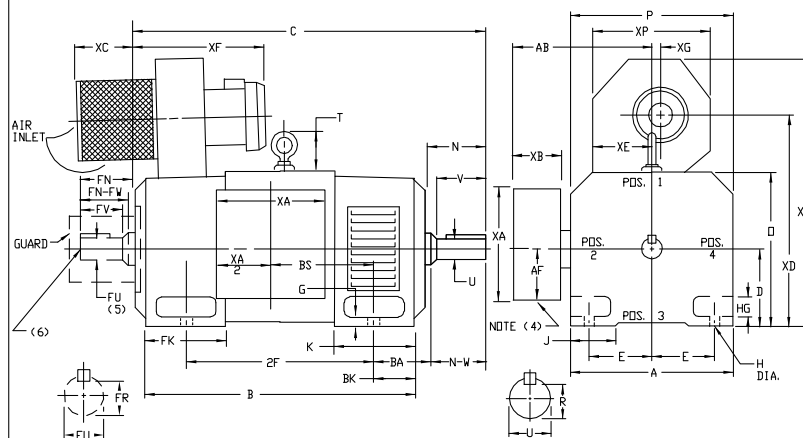
FORGE-VENTILATED
WITH INTEGRAL
BLOWER AND MOTOR

BLOWER AND MOTOR
AIR FILTERED

AIR FILTERED
RIES. PROVISION

ACCESSORIES: AIR FILTERED
PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES C4011ATZ THRU ULC4013ATZ

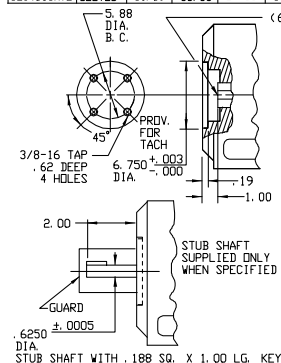


DIMENSIONS ARE IN INCHES

FRAME	A	D(1)	E	G	H	HG	J	O	P	T	BA	K	FK	BK	AB	AF	RHK6
C40I1A7Z-ULC40I3ATZ	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	624

METHOD OF		DRIVE END SHAFT AND KEY										CSD OPPOSITE DRIVE END SHAFT AND KEY										V. LOSS
FRAME	DRIVE	CY (1)	B	BS	2F	N-W	U (2)	V	R (3)	SQ	LGTH	FN-FN	FW-FW	FK	FR (3)	SQ	LGTH					
UC401A17Z	COUPLED	52.10	42	16	06	28	06	7.62	7.25	3.625	7.00	1.34	875	5.75	7.62	7.25	3.625	7.00	1.34	875	5.75	2500
UC401A17Z	BELTED	53.10	42	16	06	28	06	7.62	7.25	3.625	7.00	1.34	875	5.75	7.62	7.25	3.625	7.00	1.34	875	5.75	2500
UC401A17Z		56.92	46	18	07.5	36	06	7.62	7.25	3.625	7.00	1.34	875	5.75	7.62	7.25	3.625	7.00	1.34	875	5.75	2800
UC401A17Z		57.88	46	18	07.5	36	06	7.62	7.25	3.625	7.00	1.34	875	5.75	7.62	7.25	3.625	7.00	1.34	875	5.75	2800
UC401A17Z	COUPLED	59.09	50	24	06	36	06	7.62	7.25	3.625	7.00	1.34	875	5.75	7.62	7.25	3.625	7.00	1.34	875	5.75	3100
UC401A17Z		61.09	50	24	06	36	06	7.62	7.25	3.625	7.00	1.34	875	5.75	7.62	7.25	3.625	7.00	1.34	875	5.75	3100

FRAME	XA	XB	XC	XD	XE	XF	XG	XD	XP
C4011ATZ-ULC4013ATZ	16.00	6.00	4.88	26.00	8.69	23.50	3.38	33.62	15.12



- (1) "B" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) "U" AND "FU" 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 END OF MOTOR.
- (7) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF DPP, 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 BLOWER ASSEMBLY AND TERMINAL BOX CAN NOT BE LOCATED AT THE SAME POSITION. 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		
REV. LTR: -	VERSION: 00	TDR: 000000577407
FILE: \RGG\00015\598	REVISED: 12:02:57 01/26/2011	BY: CONNAS
MTL: -		

BALDOR

DIMENSION DRAWING.C4011ATZ - ULC4013ATZ.DPP.FOOT MTG.

SH 1 of 1

406770-006			406770-006	
CONNECTION DIAGRAM D-C MOTOR - STRAIGHT SHUNT W1 <NOTE 6> H1 H2 SHUNT FIELD ARMATURE INTER-COIL F1 A1 A2 F2 <NOTE 3> <CAUTION-SEE NOTE 1> <NOTE 4> THREE WIRE RTD TD1 TD2 TD3 <NOTE 5> ARMATURE AND FIELD EXTERNAL CONNECTIONS WARNING- SEE NOTE 7 FOR GROUNDING INSTRUCTIONS A1 A2 F1 F2 - + - + CCW ROTATION ROTATION FACING COMMUTATOR END A1 A2 F1 F2 - + - + CW ROTATION 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 CUSTOMER ORDER NO. RELIANCE S.D. NO.				
REV. DESC: UPDATE LOGO AND TITLEBLOCK: LOADED TO BUS		TDR: 000000781086		
REV. LTR: -	VERSION: 00	REVISED: 02: 41:08 02/01/2013		
FILE: \RSN\00026\515		BY: MGHPC		
MTL: -		D-C MOTOR CONNECTION DIAGRAM, STRAIGHT SHUNT		
		SH 1 of 1		