

ABB BALDOR RELIANCE III

Customer information packet

D5015RS-BV

15HP, 1750RPM, DC, 2113ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	SC2113ATZ
Frame Material	Steel
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	NO FEEDBACK
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	28.38 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.	G7895A A
Layout	609952-096
Eff. date	04-13-2015
CD Diagram	406770-001
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006LP									
CAT.NO.	D5015RS-BV	SPEC NO.		T21T1346					
FR	SC 2113ATZ	HP	15		DUTY		CONT		
ENCL.	DP	RPM	1750/ 2300			S.F.	1.0		
ENCL MOD	FORCE VENT	VOLTS		500		INSUL		F	
MAX SAFE SPEED	4500	AMPS		27.00		AMB.		40	
FIELD DATA		SER.NO.							
WINDING	STAB SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		50BC03J30X					
MAX AMPS @ 25 C	3.04	O.D.E. BRG.		45BC02J30X					
HOT AMPS	2.13/ 1.42	MIN. AMB.		0		TYPE		TR	
BRUSH:419904051AB; AIR BAFFLED									

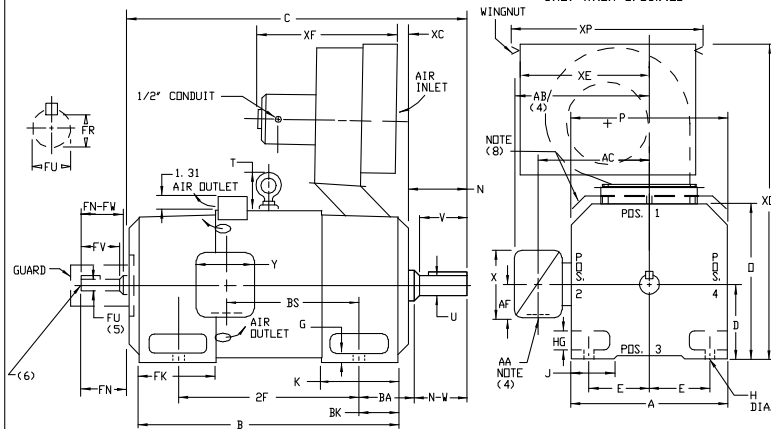
Parts List

Part number	Description	Quantity
SA297137	SA T21T1346	1.000 ea
AA016165	AA T21T1346	1.000 ea
000613006LP	EXTRUDER DUTY D-C MOTOR W/CSA	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
406770001	C/D TAG (STAB SHUNT)	1.000 ea
036000012HB	HHCS M6X12MM LONG 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
419904051AB	BRUSH EXTRUDER DUTY C	4.000 ea
419905003A	FLAT WASHER ROCKER RPM III RGG	4.000 ea
419905008A	HARDWARE	8.000 ea
706364051AA	BRHLD ADD HARDWARE	4.000 ea
706372001B	ROCKR METRIC	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
036000055JB	HHCS,DE CAP	2.000 ea
036000060KB	HHCS,DE CAP	3.000 ea
036310012FB	PHMS M4 X 12MM M2	6.000 ea
036500010AB	METRIC NUT M10-1.5PLTD400	4.000 ea
036500010AB	METRIC NUT M10-1.5PLTD400	4.000 ea
036501006AB	KPNUT M4 ZINC	6.000 ea
406055001B	GRFTG	1.000 ea
400638001H	SPRING WASHER (Customer number 43699)	1.000 ea
412118001B	3/8-16 X 3/4 DRAIN SSTL.	1.000 ea
418057013A	GROMT	2.000 ea
418150003A	GREASE FITTING CAP	2.000 ea

609830005M	TBOLT METRIC RP609830-	4.000 ea
706311004E	PLATE	1.000 ea
706311004F	BAFFLE CX NOMEX .24 MI	1.000 ea
706311004X	BAFLE	1.000 ea
801924102A	BRKT,ODE,C210	1.000 ea
801925114Y	BRKT,DE,C210	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	2.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	3.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	4.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	4.000 ea
036000025JB	HHCS M8X25MM LONG PLATED	2.000 ea
036000045HB	MHHCS M6X45MM PLATED	3.000 ea
036000045JB	M8-1.25 X 45MM HXHCS	4.000 ea
036010012GB	M5-.8 X 12 HXWHD SCREW	6.000 ea
036100012JA	M8-1.25 X 12 MMHXSOCHDCS	2.000 ea
036100012JB	HSCHS BRKT CVR	2.000 ea
036600008AB	MFWSH M6 PLATED	3.000 ea
036600009AB	METRIC FLWASH M8 PLATED	3.000 ea
036620009AB	M8 EXTERNAL LK WASHER	1.000 ea
065564000B	GASK 250-280	1.000 ea
075453000A	CBOXC, PAINTED 250-280	1.000 ea
410978010C	FLANGE, INLET BLOWER HSG.	1.000 ea
410978019A	SCREEN, INLET FLANGE	1.000 ea
417077121	FILTER KIT	1.000 ea
417733001D	GASKT	2.000 ea
418010006A	CAST,MPLATE,180-280,EX1,7BY	1.000 ea
418018070A	TAG "WARNING THERMOSTA	1.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 ea
422919001	CVRKT BE SOLID C210	1.000 ea
422919001	CVRKT BE SOLID C210	1.000 ea

422919001	CVRKT BE SOLID C210	1.000 ea
422919012	HHCVR KIT,C210,ODE,SOLID	1.000 ea
422919012	HHCVR KIT,C210,ODE,SOLID	1.000 ea
422919023	HHCVR KIT, C250,ODE LEXAN	1.000 ea
610409050A	ADAPTER DYE	1.000 ea
610490001AH	.75HP,3450//2850RPM,3PH,60//50HZ,56C,351	1.000 ea
611917001B	GASKT	1.000 ea
611917002A	GASKT	1.000 ea
611917002B	GASKT	1.000 ea
611965001A	WHEEL, BLOWER	1.000 ea
705034033A	BAFFL	1.000 ea
706303018A	GUARD	2.000 ea
706303018B	GUARD	2.000 ea
706305026A	GUARD,SHAFT	1.000 ea
706320005A	CONDUIT BOX	1.000 ea
708528004G	HOUSING, BLOWER	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
000692000NG	LABEL ;NP 4POLE METRIC LABEL	1.000 ea
034180020GA	KEY 1/2X1/2X2-1/2 L	1.000 ea
418018116	WARNING PLATE	1.000 ea

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED



2.00

STUB SHAFT
SUPPLIED ONLY
WHEN SPECIFIED

GUARD

$\pm .0005$

.6250

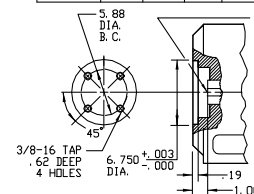
B/A
STUB SHAFT WITH
.188 SQ. X 1.00 L.G. KEY

FRAME	
SC2113ATZ-LC2113ATZ	
SC2521ATZ-LC2521ATZ	
MC2612ATZ-LC2613ATZ	

FRAME	XC	XE	XF	XD	XP
SC2113ATZ-LC2113ATZ	1.00	10.00	17.25	28.00	14.50
SC2512ATZ-LC2512ATZ	2.50	10.00	17.25	30.31	14.50
MC2812ATZ-LC2813ATZ	1.75	10.00	18.50	30.62	14.50

FRAME	A	D(1)	E	G	H	HG	J	D	P	T	BA	K	FK	BK
SC2113ATZ-LC2113ATZ	10.25	6.25	4.25	.44	.44	1.38	1.75	10.44	10.31	2.56	3.50	5.19	6.81	2.38
SC2512ATZ-LC2512ATZ	12.31	6.25	5.00	.50	.56	1.62	2.00	12.50	12.44	3.06	4.25	6.06	8.00	3.00
MC2812ATZ-LC2813ATZ	13.78	7.00	5.50	.62	.56	1.88	2.75	14.00	13.94	3.38	4.75	6.75	9.19	3.00

FRAME	C	B	S	2F	DRIVE END SHFT AND KEY					OPPOSITE DRIVE END SHFT AND KEYS					VT.				
					N	N-W	W	V	K45	S	LGTH	FN	FN-PT	FUC-2		FN	FRK-3	S	LGTH
SC2113AT7	28.38	22.50	11.38	18.00	4.00	3.75	1.875	3.50	1.591	500	2.50	3.50	3.25	1.625	3.00	1.416	375	2.25	345
SC2113AT7	29.62	23.15	12.62	18.00	4.00	3.75	1.875	3.50	1.591	500	2.50	3.50	3.25	1.625	3.00	1.416	375	2.25	370
LC2113AT7	31.25	25.38	14.25	18.00	4.00	3.75	1.875	3.50	1.591	500	2.50	3.50	3.25	1.625	3.00	1.416	375	2.25	400
SC2151AT7	31.69	25.38	12.06	20.00	4.00	4.25	2.125	4.00	1.845	500	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	535
SC2151AT7	32.19	26.16	13.56	20.00	4.00	4.25	2.125	4.00	1.845	500	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	570
SC2151AT7	32.69	26.94	15.06	22.00	5.00	4.75	2.375	4.50	2.021	625	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	605
SC2181AT7	37.38	29.94	14.25	22.00	5.00	4.75	2.375	4.50	2.021	625	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	810
LC2181AT7	39.62	32.91	16.10	22.00	5.00	4.75	2.375	4.50	2.021	625	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	885
LC2181AT7	41.25	33.81	18.50	22.00	5.00	4.75	2.375	4.50	2.021	625	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	940



- (1) "D" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) "W" AND "FUT" VARY-----
- (3) "R" AND "FR" VARY-----< .015
- (4) TERMINAL BOX VARIANTS WITH H.P. FOR DIMENSIONS "AA," "AB," "AC," "AD," "AE," "AF," "AG," "AH," "AI," "AJ," "AK," "AL," "AM," "AN," "AO," "AP," "AQ," "AR," "AS," "AT," "AU," "AV," "AW," "AX," "AY," "AZ," "BA," "BB," "BC," "BD," "BE," "BF," "BG," "BH," "BI," "BJ," "BK," "BL," "BM," "BN," "BO," "BP," "BQ," "BR," "BS," "BT," "BU," "BV," "BW," "BX," "BY," "BZ," "CA," "CB," "CC," "CD," "CE," "CF," "CG," "CH," "CI," "CJ," "CK," "CL," "CM," "CN," "CO," "CP," "CQ," "CR," "CS," "CT," "CU," "CV," "CW," "CX," "CY," "CZ," "DA," "DB," "DC," "DD," "DE," "DF," "DG," "DH," "DI," "DJ," "DK," "DL," "DM," "DN," "DO," "DP," "DQ," "DR," "DS," "DT," "DU," "DV," "DW," "DX," "DY," "EZ," "FA," "FB," "FC," "FD," "FE," "FF," "FG," "FH," "FI," "FJ," "FK," "FL," "FM," "FN," "FO," "FP," "FQ," "FR," "FS," "FT," "FU," "FV," "FW," "FX," "FY," "GZ," "HA," "HB," "HC," "HD," "HE," "HF," "HG," "HH," "HI," "HJ," "HK," "HL," "HM," "HN," "HO," "HP," "HQ," "HR," "HS," "HT," "HU," "HV," "HW," "HX," "HY," "IZ," "JA," "JB," "JC," "JD," "JE," "JF," "JG," "JH," "JI," "JJ," "JK," "JL," "JM," "JN," "JO," "JP," "JQ," "JR," "JS," "JT," "JU," "JV," "JW," "JX," "JY," "KZ," "LA," "LB," "LC," "LD," "LE," "LF," "LG," "LH," "LI," "LJ," "LK," "LL," "LM," "LN," "LO," "LP," "LQ," "LR," "LS," "LT," "LU," "LV," "LW," "LX," "LY," "MZ," "NA," "NB," "NC," "ND," "NE," "NF," "NG," "NH," "NI," "NJ," "NK," "NL," "NM," "NN," "NO," "NP," "NQ," "NR," "NS," "NT," "NU," "NV," "NW," "NX," "NY," "OZ," "PA," "PB," "PC," "PD," "PE," "PF," "PG," "PH," "PI," "PJ," "PK," "PL," "PM," "PN," "PO," "PP," "PQ," "PR," "PS," "PT," "PU," "PV," "PW," "PX," "PY," "QZ," "RA," "RB," "RC," "RD," "RE," "RF," "RG," "RH," "RI," "RJ," "RK," "RL," "RM," "RN," "RO," "RP," "RQ," "RR," "RS," "RT," "RU," "RV," "RW," "RX," "RY," "SZ," "TA," "TB," "TC," "TD," "TE," "TF," "TG," "TH," "TI," "TJ," "TK," "TL," "TM," "TN," "TO," "TP," "TQ," "TR," "TS," "TT," "TU," "TV," "TW," "TX," "TY," "UZ," "VA," "VB," "VC," "VD," "VE," "VF," "VG," "VH," "VI," "VJ," "VK," "VL," "VM," "VN," "VO," "VP," "VQ," "VR," "VS," "VT," "VU," "VV," "VW," "VX," "VY," "WZ," "XA," "XB," "XC," "XD," "XE," "XF," "XG," "XH," "XI," "XJ," "XK," "XL," "XM," "XN," "XO," "XP," "XQ," "XR," "XS," "XT," "XU," "XV," "XW," "XX," "XY," "YZ," "ZA," "ZB," "ZC," "ZD," "ZE," "ZF," "ZG," "ZH," "ZI," "ZJ," "ZK," "ZL," "ZM," "ZN," "ZO," "ZP," "ZQ," "ZR," "ZS," "ZT," "ZU," "ZV," "ZW," "ZX," "ZY."
- (5) OPPOSITE DRIVE END SHAFT SCREENED ONLY WHEN SPECIFIED.
- (6) MOTOR SHAFT TAPPED FOR SCREW-IN STOP SHAFT.
- (7) IF THE MOTOR APPLICATION IS NOT RECORDED, THE USE OF
PPR, DRIVE END, ADD, .25 TO .6" D.I.M. FOR BRACKET COVER,
OR HORIZONTAL APPLICATION, MAY BE ASSUMED.
- (8) TERMINAL BOX CAN BE ROTATED FOR END OUTLET AT TOP, SIDES 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 BY BOX LOCATED ON TOP WHEN SPECIFIED.
- (9) BLADE ASSEMBLY CAN BE REMOVED FROM POSITION BY TURNING MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.
IF MOUNTING CLARENCE IS NOT SPECIFIED, REQUIRED, CONSULT FACTORY.
- BLOWER MOTOR

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

REV. DESC: UPDATE FRAME SIZE		
REV. LTR: A	VERSION: 01	TDR: 000000845571
FILE: \\RGG\00015\585	REVISED: 10:46:47 03/25/2014	BY: RGGWT
MTL: -		

BALDOR

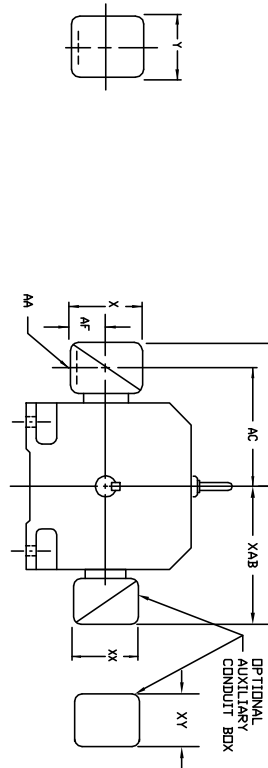
DIMENSION DRAWING, SC2113ATZ - C2813ATZ, DPP, FOOT MTG.

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		ONE SIZE LARGER					PART	
		AB	AC	AF	X	Y	NUMBER	AB	AC	AF	X	Y	NUMBER		
C2113M12	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-R
C2113M17	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
C2115M12	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-S
C2512M12	208	2"	10.97	8.53	3.00	6.00	7.00	705029-2-S	2-1/2	12.66	8.91	3.62	7.88	9.25	705030-2-R
C2512M17	18	3/4	11.09	9.09	2.50	5.00	5.75	705028-2-T	1"	11.09	9.09	2.50	5.00	5.75	705028-2-T
C2513M12	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
C2513M17	96	1-1/2	12.03	9.59	3.00	6.00	7.00	705029-2-S	2"	12.03	9.59	3.00	6.00	7.00	705029-2-T
C2515M12	208	2"	12.03	9.59	3.00	6.00	7.00	705029-2-T	2-1/2	13.72	9.97	3.62	7.88	9.25	705030-2-S
C2812M12	128	3"	12.78	10.34	3.00	6.00	7.00	756001-R	3"	14.47	10.72	3.62	7.88	9.25	767001-RB
C2812M17	165	3"	14.47	10.72	3.62	7.88	9.25	767001-RB	4"	15.78	11.59	4.12	9.50	10.50	767001-R
C2815M12	365	4"	15.78	11.59	4.12	9.50	10.50	767001-R	5" (4)	18.59	13.34	4.75	13.50	15.00	768701-S

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	706310-225-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	706310-225-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	706310-225-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-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 W/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.

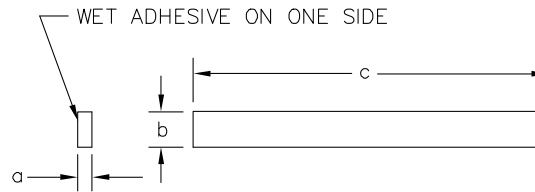
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REV. LTR: A	VERSION: 01	TDR: 000000816512
FILE: \RGG\00021\153		REVISED: 03:09:09 09/06/2013
MTL: -		BY: RGGWT

BALDOR

DIMENSION SHEET

SH 1 of 1

065564-004



SYM	MAKE FROM 065564-004	a	b	c	REMARKS
A	X	1/8	5/8	24*	TERMBX & CVR 180AT-250AT
B	X	1/8	5/8	37 1/2*	TERMBX & CVR 280AT-320AT
C	Y	1/4	5/8	44 1/2 Δ	FILTER TO HOUSING GASKET
D	X	1/8	5/8	170"	TEAO HEAT EXCH.
E	Y	1/4	5/8	72" Δ	TERMBX & CVR

SYM	MAT'L SPEC	a	b	c
X	46024-XV	1/8	5/8	* 50' ROLL; WET ADHESIVE ON ONE SIDE
Y	46024-XV	1/4	5/8	* 50' ROLL; WET ADHESIVE ON ONE SIDE

Δ RELIANCE WILL CUT AND MOUNT ON FILTER HOUSING PER ASSEMBLY DRAWING 603989-2.

* PROD. NOTE: WHEN ORDERING THRU PURCHASING ORDER AS 50 FT. ROLLS, WET ADHESIVE ON ONE SIDE. RELIANCE WILL CUT AND MOUNT ON COVER. PER INSTRUCTIONS ON COVER DRAWINGS.

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

REV. DESC: CHANGE DESCRIPTION ON TITLE BLOCK		
REV. LTR: C	VERSION: 03	TDR: 000000571980
FILE: \RGG\00000\220	REVISED: 10:54:04 12/16/2010	BY: RGGWT
MTL: -		

BALDOR
GASKET,STRIP,CLOSED CELL NEOPRENE
SH 1 of 1

065564-004

406770-001			406770-001	
406770-001 CONNECTION DIAGRAM D-C MOTOR - STAB. SHUNT W1 (NOTE 7) SHUNT FIELD INTER-COIL AX2 A2 S1 SERIES FIELD S2 S3 (NOTE 2) S4 F2 P1 P2 (NOTE 5) THREE WIRE RTD TD1 TD2 TD3 (NOTE 6)				

ARMATURE AND FIELD EXTERNAL CONNECTIONS

WARNING- SEE NOTE 8 FOR GROUNDING INSTRUCTIONS

CCW ROTATION

A1 A2 S1 S2 F1 F2

CW ROTATION

A1 S1 A2 S2 F1 F2

ROTATION FACING COMMUTATOR END

1. CAUTION — ARMATURE AND SERIES FIELD MAY HAVE MULTIPLE LEADS. CONNECT ALL LUGS WITH THE SAME MARKING TOGETHER.

2. OPTIONAL SERIES FIELD IS MARKED S3 AND S4. FOR CUMULATIVE SERIES FIELD, CONNECT S3 TO S2 AND CONNECT S4 TO NEGATIVE. FOR DIFFERENTIAL SERIES FIELD CONNECT S4 TO S2 AND S3 TO NEGATIVE.

3. OPTIONAL CONTROL SIGNAL LEAD IS MARKED AX2. ALWAYS TAKE INTERPOLE DROP BETWEEN A2 AND AX2. NOTE: NEMA DESIGNATION FOR AX2 IS LETTER C.

4. SPACE HEATERS, WHEN PROVIDED, WILL HAVE LEADS MARKED H1 AND H2, H3, H4, ETC.

5. THERMAL PROTECTOR, WHEN PROVIDED, WILL HAVE LEADS MARKED P1 AND P2, P3, P4, ETC.

6. WINDING RTD'S, WHEN PROVIDED, WILL HAVE LEADS MARKED TD1, TD2, & TD3

7. BRUSH WEAR SENSOR, WHEN PROVIDED, WILL HAVE LEAD MARKED W1.

8. 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 DRIVE END BRACKET, ADJACENT TO THE TERMINAL BOX FOR MOTOR GROUNDING. GROUND LEAD, WHEN PROVIDED, WILL BE GREEN.

CUSTOMER _____ ORDER NO. _____ S.D. NO. _____

REL
CUMULATIVE
DIFFERENTIAL
AX2
H1, H2, H3, H4
P1, P2, P3, P4
TD1, TD2, TD3
W1
TD

REV. DESC: DELETED DUPLICATE WORDS FROM NOTE 8

REV. LTR: A

FILE: \RSN\00026\422

MTL: -

VERSION: 01

REVISED: 10:19:12 03/11/2016

TDR: 000000970330

BY: RAGTBM

BALDOR

D-C MOTOR CONNECTION DIAGRAM STAB. SHUNT

SH 1 of 1