

ABB BALDOR RELIANCE III

Customer information packet

D5060RS-BV

60HP, 1750RPM, DC, 2812ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	MC2812ATZ
Frame Material	Steel
Output Power	60.000 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	MC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	37.38 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.	G7693A 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.	D5060RS-BV	SPEC NO.		T28T1330					
FR	MC 2812ATZ	HP	60		DUTY		CONT		
ENCL.	DP	RPM	1750/ 2100			S.F.	1.0		
ENCL MOD	FORCE VENT	VOLTS		500		INSUL		F	
MAX SAFE SPEED	4500	AMPS		100.00		AMB.		40	
FIELD DATA		SER.NO.							
WINDING	STAB SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		65BC03J30X					
MAX AMPS @ 25 C	3.43	O.D.E. BRG.		55BC02J30X					
HOT AMPS	2.41/ 1.90	MIN. AMB.		0		TYPE		TR	
BRUSH:419904051AD; AIR BAFFLED									

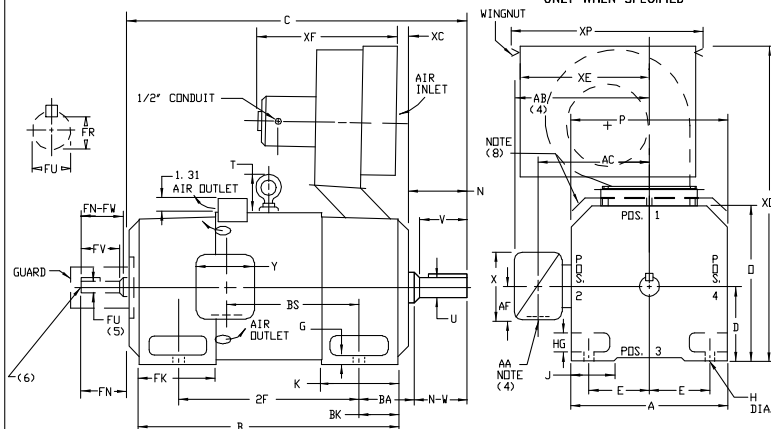
Parts List

Part number	Description	Quantity
SA297062	SA T28T1330	1.000 ea
AA016113	AA T28T1330	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
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
419904-51AD	BRUSH C	8.000 ea
419905003A	FLAT WASHER ROCKER RPM III RGG	4.000 ea
419905008A	HARDWARE	8.000 ea
706364051RF	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
036000075KB	HHCS M10 75MM ZINCPLAT	3.000 ea
036100060JA	M8-1.25 X 60MM HXSOCHDCS	3.000 ea
036310012FB	PHMS M4 X 12MM M2	8.000 ea
036500011AB	METRIC NUT M12-1.75 PLT.	4.000 ea
036500011AB	METRIC NUT M12-1.75 PLT.	4.000 ea
036501006AB	KPNUT M4 ZINC	8.000 ea
406055001C	GRFTG	1.000 ea
049730000L	BPLUG	6.000 ea
400638001AD	WAVEN - 400 (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
609830005V	TBOLT METRIC RP609830-	4.000 ea
706311003E	PLATE	1.000 ea
706311003F	BAFFLE CX NOMEX .24 MI	1.000 ea
706311003X	BAFLE	1.000 ea
801928052A	BRKT,ODE,C280	1.000 ea
801929058A	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
036000020JB	HHCS M8-1.25X20L PLTD-250	4.000 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
036600009AB	METRIC FLWASH M8 PLATED	3.000 ea
036620009AB	M8 EXTERNAL LK WASHER	1.000 ea
074875000A	CONDUIT BOX COVER	1.000 ea
402731000A	GASK 320-400	1.000 ea
410978010E	INLET FLGE	1.000 ea
410978019A	SCREEN, INLET FLANGE	1.000 ea
417077121	FILTER KIT	1.000 ea
417733004D	GASKET CONDUIT BOX	2.000 ea
418014004A	609185004cDPT/BOX	1.000 ea
418018070A	TAG "WARNING THERMOSTA	1.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 ea
422919053	HHCVR KIT, C280, DE, XT	1.000 ea
422919053	HHCVR KIT, C280, DE, XT	1.000 ea
422919053	HHCVR KIT, C280, DE, XT	1.000 ea
422919064	HHCVR KIT, C280, ODE, SOLID	1.000 ea
422919064	HHCVR KIT, C280, ODE, SOLID	1.000 ea

422919075	HHCVR KIT, C280, ODE, LEXAN	1.000 ea
610409052A	ADAPT	1.000 ea
610490001AF	24M 2P TEFC VER 56C SUPER E	1.000 ea
611917001F	GASKT	1.000 ea
611917002F	GASKT	1.000 ea
611965001A	WHEEL, BLOWER	1.000 ea
705034031A	BAFFL	1.000 ea
706303015A	GUARD	2.000 ea
706303015B	GUARD	2.000 ea
706305026A	GUARD,SHAFT	1.000 ea
706320009A	CB, 2.00 CONDUIT, METRIC, SHEET METAL	1.000 ea
708528004B	BLOWER HOUSING	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
000692000NG	LABEL ;NP 4POLE METRIC LABEL	1.000 ea
034180028HA	KEY 5/8X5/8X3-1/2L-445	1.000 ea
418018116	WARNING PLATE	1.000 ea

ENCLOSURE: DRIP-PROOF FULLY-GUARDED, COOLING: FORCE VENTILATED
 SPLASHPROOF WITH INTEGRAL BLOWER AND MOTOR
 AIR FILTERED-SPECIAL BAFFLE
 MOUNTING: FOOT ACCESSORIES: PROVISION FOR
 METHOD OF DRIVE: COUPLED OR BELTED TACHOMETER MOUNTING
 FRAMES SC2113ATZ THRU C2813ATZ ONLY WHEN SPECIFIED



2.00

STUB SHAFT SUPPLIED ONLY WHEN SPECIFIED

GUARD

$\pm .0005$

.6250 DIA. STUB SHAFT WITH 1.88 SQ. X 1.00 L.G. KEY

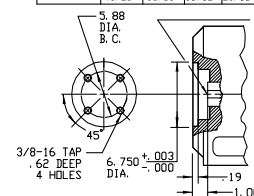
FRAME
SC2113ATZ-LC2113ATZ
SC2512ATZ-LC2512ATZ
MC2812ATZ-LC2813ATZ

DIMENSIONS ARE IN INCHES

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	B
SC2113ATZ-LC2113ATZ	10.25	5.25	4.25	.44	.44	1.38	1.75	10.44	10.31	2.56	3.50	5.19	6.81	2.1
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	3.1
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	3.3

FRAME	C	B	BS	2F	DRIVE END SHUNT AND KEY								OPPOSITE DRIVE END SHUNT AND KEY								WT
					N	N-V	W	W-V	X	Y	RY	SD	LGTH	FN	FN-V	F	F-V	FX	FD	LGTH	
SC2113ATZ	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	34		
SC2113ATZ	29.62	23.75	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	37		
LC2113ATZ	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	40		
SC2113ATZ	31.69	25.86	12.06	20.00	4.50	4.25	2.125	4.00	1.845	500	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	53		
SC2113ATZ	33.19	26.56	15.56	20.00	4.50	4.25	2.125	4.00	1.845	500	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	57		
LC2113ATZ	34.69	28.06	18.06	20.00	4.50	4.25	2.125	4.00	1.845	500	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	61		
SC2113ATZ	36.19	28.56	18.56	20.00	4.50	4.25	2.125	4.00	1.845	500	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	65		
LC2113ATZ	37.69	29.06	19.06	20.00	4.50	4.25	2.125	4.00	1.845	500	3.00	4.00	3.75	1.875	3.50	1.591	500	2.50	69		
LC2113ATZ	39.62	32.19	16.19	22.00	5.00	4.75	2.375	4.50	2.021	625	3.50	4.50	4.25	2.125	4.00	1.845	500	3.00	88		
LC2113ATZ	41.25	33.81	18.25	22.00	5.00	4.75	2.375	4.50	2.021	625	3.50	4.50	4.25	2.125	4.00	1.845	500	3.00	94		



- (1) "D" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) "A" AND "F" VARY FROM .000 TO .001.
- (3) "B" AND "F" VARY FROM .000 TO .001.
- (4) TERMINAL BOX VARIES WITH H.P. FOR DIMENSIONS "AA", "AB", "AC", "AD", "AE", "XK". REF. TO THE MOTOR APPLICATION GUIDE FOR DIMENSIONS "V" AND "VPP". DIMENSIONS "D", MILL 60959S-2.
- (5) OPPOSITE DRIVE END SHAFT SPOULDED WHEN SPECIFIED.
- (6) MOTOR SHAFT TAPPED FOR SCREW-IN STOP SHAFT.
- (7) FOR THE MOTOR APPLICATION GUIDE, SEE THE RECOMMENDED USE OF THE USE OF DDP: DRIVE END, ADD .25 TO "C" DIM. FOR BRACKET COVER.
- (8) FOR HORIZONTAL APPLICATIONS ONLY.
- (9) BOX COVER CAN BE ROTATED 180° 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.
- (10) ASSEMBLY CAN BE MOUNTED TO A RIGID SUPPORT OR A FLEXIBLE SUPPORT.
- (11) MOTOR WEIGHT MAY VARY 1 LB. FROM NON-STANDARD RATINGS AND/OR ACCESSORIES. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
- (12) MOTOR WEIGHT 1/2 LB. 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 DRR FOOT MTC

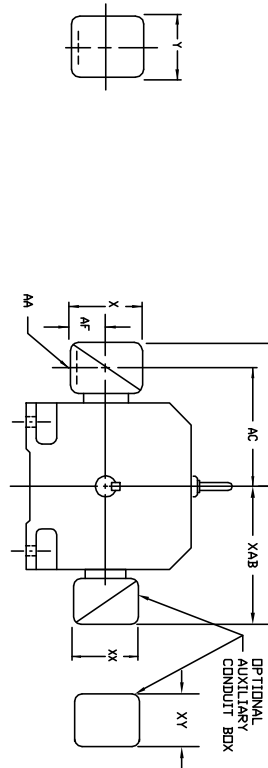
SH 1 of 1

**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



FRAME	MAX.	STANDARD SIZE						ONE SIZE LARGER						PART
		AB	AC	AF	X	Y	NUMBER	AA(1)	AB	AC	AF	X	Y	
C2113A7	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
C2115A7	41 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
C2115B7	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
C2512A7	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
C2512B7	41 1-1/4 & 1-1/2	11.09	9.09	2.50	5.50	6.12	705029-1-R	2" & 2-1/2	12.82	9.47	3.19	7.00	7.62	705030-1-R
C2515A7	208 2" & 2-1/2	12.82	9.47	3.19	7.00	7.62	705030-1-R	2" & 2-1/2	12.82	9.47	3.19	7.00	7.62	705030-1-R
C2515B7	40 3/4 & 1"	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
C2815A7	185 3"	14.47	11.22	4.25	8.44	7.25	74874-R	3"	15.91	11.84	5.38	10.50	7.00	705030-3-R
C2815B7	269 4"	15.91	11.84	5.38	10.50	7.00	705030-3-R	5" (4)	18.72	13.47	7.00	12.75	15.00	70655-1-C

CAST IRON TERMINAL BOX DIMENSIONS															
FRAME SIZE		STANDARD SIZE						ONE SIZE LARGER							
MAX. AMP'S	AC(1)	AB	AC	AF	Y	NUMBER	AC(2)	AB	AC	AF	Y	NUMBER	PART		
18	3/4	10.03	8.03	2.50	5.00	7.75	705028-2-S	1"	10.03	8.03	2.50	5.00	7.75	705028-2-R	
25113M7	40	1"	10.03	8.03	2.50	5.00	7.75	705028-2-T	1-1/2	10.97	8.53	3.00	6.00	7.00	705029-2-R
25115M7	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
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	
2512M7	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
2513M7	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
25135M7	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
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	
25812M7	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-R
25815M7	165	3"	14.47	10.72	3.62	7.88	9.25	767001-R	4"	15.78	11.59	4.12	8.50	10.50	767001-R
25817M7	265	4"	15.78	11.59	4.12	9.50	10.50	767001-R	5" (4)	18.59	13.34	4.75	13.50	15.50	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	706310-226-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	706310-453-B & 706310-636	
	800	17.48	12.75	6.20	14.39	---	14.39	706310-63-B & 706310-636	706310-453-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	706310-453-B & 706310-636	
	800	18.27	13.54	6.20	14.39	---	14.39	706310-63-B & 706310-636	706310-453-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	7.98	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 TAB.
- (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 "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.

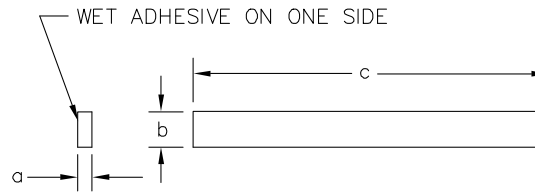
REV. DESC: ADD 706310-63G C/BOX TO C250 AND C280 FRAMES		
REV. LTR: A	VERSION: 01	TDR: 000000816512
FILE: \RGG\00021\153		REVISED: 03:09:09 09/06/2013
MTL: -		BY: RGGWT

BALDOIR

DIMENSION SHEET

SH 1 of 1

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

