

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM322504R1

250HP, 1750, 460V, RL3203, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL3203Z
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	291.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	291.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	46.10 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	2.874 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1770 rpm
Starting Method	Full Voltage
Thermal Device - Bearing	None

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L9455A
Layout	619691-001
Eff. date	12-18-2025
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	02-01-2023

Thermal Device - Winding

Normally Closed Thermostat

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	250	1770		291	460		60	
	CONT	250	2212		281	460		75	
	CONT	250	2948		284	460		100	
CAT.NO.	IDDRPM322504R1		SPEC. NO.		R32-A000-0405				
SER.NO			FR	RL3203Z	INSUL	H			
PH.	3	MAX SAFE SPEED		4000	AMB.	40	MIN. AMB.	-25	
DESIGN NO.	L9455A		TYPE			ENCL.	DPG-FV		
S.F.	1.00		D.E. BRG.		85BC02J30X				
ENCL MOD			O.D.E. BRG.		6313/C3VL0241				

Parts List

Part number	Description	Quantity
WS406050	WS R32-A000-0405	1.000 ea
RA402563	RA R32-A000-0405	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
000613006MY	NP-RPMAC INVERTER DUTY	1.000 ea
LB1613	LABEL, QR CODE, ADHESIVE LABEL	1.000 ea
LB1613	LABEL, QR CODE, ADHESIVE LABEL	1.000 ea
000692000XM	LABEL QR CODE	1.000 ea
422927001	C/D LABEL	1.000 ea
004824007AB	PAINT,XT	0.100 ea
807530028AA	BRKT, ODE RL320 **UNFINISH** DO NOT SELL	1.000 ea
807530003AA	BRKT, DE RL320	1.000 ea
BP5068BJ01	BRUSH, .187 X .187 X 1.00	2.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
004824015A	GREASE POLYREX EM	0.950 lb
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
400638001AD	WAVEN - 400 (Customer number 43699)	1.000 ea
036000016DB	HHCS	4.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
036100090KA	HSHCS BRACKET LE	4.000 ea
036100090KA	HSHCS BRACKET LE	4.000 ea
036140001E	EYEBOLT	2.000 ea
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 ea
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
BP5248	BP5248	2.000 ea
708532004A	L320 AIR BAFFLE	1.000 ea
609830005AAM	TBOLT	2.000 ea
609830005AAK	TBOLT	2.000 ea

610490001AF	24M 2P TEFC VER 56C SUPER E	1.000 ea
415000003E	T/LUG #4AWG-1/0AWG W/HOLE FOR .375 BOLT	2.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	3.000 ea
418057256D	GROUND SCREW	1.000 ea
611965001A	WHEEL, BLOWER	1.000 ea
417733004J	GASKT	2.000 ea
611917002H	GASKT	1.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	6.000 ea
032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
000613006NT	NAME PLATE IEC	1.000 ea
417733036C	GASKT,C/BOX BACKPLATE,REF 706310063B	1.000 ea
418057256C	HHCS M10 25MM 440 IEC	2.000 ea
036600009AB	METRIC FLWASH M8 PLATED	3.000 ea
032018004DK	HHCS,DRIP COVER	4.000 ea
706310389B	ENTRY PLATE 706310389AB	1.000 ea
417733014C	GASKT (REK P/N 187215)	1.000 ea
036000020JD	HHCS M8X20MM LONG 304S.S	5.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	2.000 ea
708528004F	HOUSING, BLOWER	1.000 ea
410978010E	INLET FLGE	1.000 ea
410978019A	SCREEN, INLET FLANGE	1.000 ea
036000045JB	M8-1.25 X 45MM HXHCS	4.000 ea
036620009AB	M8 EXTERNAL LK WASHER	1.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	2.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
418014004A	609185004cDPT/BOX	1.000 ea
613439051A	ADAPT,CBOX,RL320	1.000 ea
422919085	HHCVR KIT,C320,DE,SOLID, XT	1.000 ea
422919088	HHCVR KIT,C320,DE,LOUVERED,S/P, XT	1.000 ea
422919088	HHCVR KIT,C320,DE,LOUVERED,S/P, XT	1.000 ea
422919370	HHCVR KIT,L320,DE,X/T,C/BOX MTG	1.000 ea
422919085	HHCVR KIT,C320,DE,SOLID, XT	1.000 ea
036600008AD	FLTWSHR,T BLK SPT	8.000 ea
706310063B	CBOX (REK)	1.000 ea

706310058B	CBCVR(REK P/N 187296)	1.000 ea
417733013B	GASKT (REK P/N 189486)	1.000 ea
036000020HD	HHCS M6X20MM LONG 304S.S	8.000 ea
036000012KB	M10 1.50 X 12MM HXHDCS	4.000 ea
417744401H	GROUND WIRE	1.000 ea
706305301A	GUARD, SHAFT	1.000 ea
034180034JA	KEY 3/4X3/4X4-1/4 L	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
004824007CQR	C2 PAINT SYSTEM MEDIUM GRAY CHARCOAL MET	0.300 ea
418018116	WARNING PLATE	1.000 ea
LB1549	LABEL, BLANK 1.375 X 2.250 IMPRINTABLE	1.000 ea

FRAME	RL3203	AMPS	289	MAX SAFE SPEED	4000		
HP	250	DUTY	CONT	IM (AMPS)	89.9	R1	.0179 X1 .104
BASE SPEED	1768	S.F.	1.0	P.F. @NL / FL	.042/.883	R2	.0116 X2 .100
PHASE/HZ	3/60	AMB.°C / INSUL	52/H	WK ² (Lb-Ft ²)	21.3		XM 3.02

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1769	250	742	460	60	289
MAX SPEED	2943	250	446	460	100	291
MIN SPEED	0	0	742	15.3	1.04	289

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	88.1
1/4	1793	62.5	183	460	60	113
1/2	1785	125	368	460	60	162
3/4	1777	187	554	460	60	222
FULL LOAD	1769	250	742	460	60	289
0/L	1726	488	1485	460	60	599

REMARKS:
TYPICAL DATA

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CHECKED BY: R.GARCIA
APPROVED BY: J.MARTIN
DATE: 01-23-23

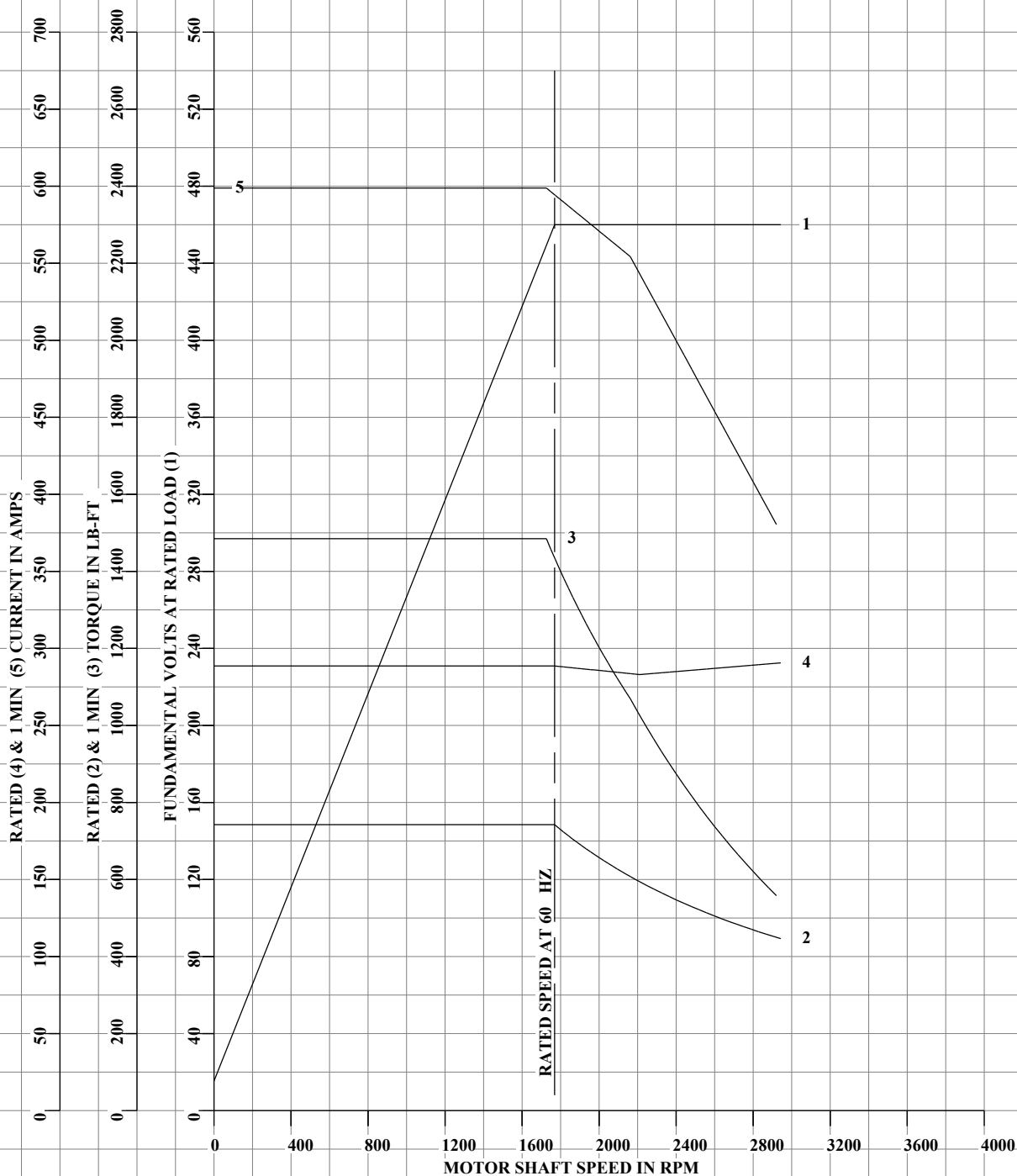
**AC MOTOR
PERFORMANCE
DATA**

L9455A

ISSUE DATE 01-23-23

FRAME	RL3203	VOLTS	460	ENCLOSURE	DPFV	WYE CONNEQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
HP	250	AMPS	289	MAX SAFE SPEED	4000	R1	.0179	X1 .104
BASE SPEED	1768	DUTY	CONT	IM (AMPS)	89.9	R2	.0116	X2 .100
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.042/.883			XM 3.02
		AMB.°C / INSUL	52/H	WK ² (Lb-Ft ²)	21.3			

VARIABLE SPEED AC MOTOR CURVES



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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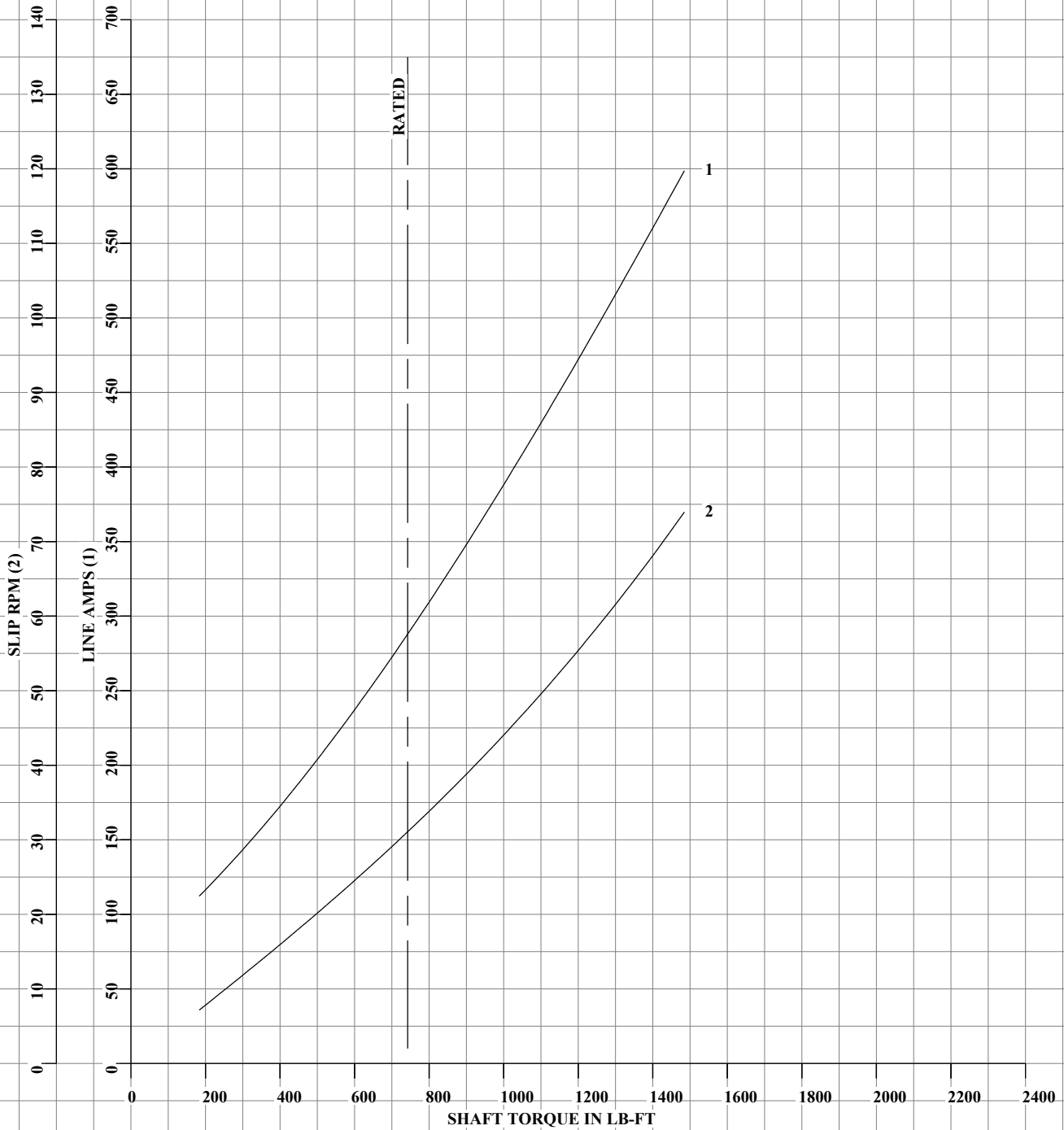
**AC MOTOR
PERFORMANCE
DATA**

L9455A

ISSUE DATE: 01-23-23

FRAME	RL3203	VOLTS	460	ENCLOSURE	DPFV	WYE CONNEQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
HP	250	AMPS	289	MAX SAFE SPEED	4000	R1	.0179	X1 .104
BASE SPEED	1768	DUTY	CONT	IM (AMPS)	89.9	R2	.0116	X2 .100
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.042/.883			XM 3.02
		AMB.°C / INSUL	52/H	WK ² (Lb-Ft ²)	21.3			

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

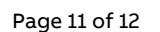


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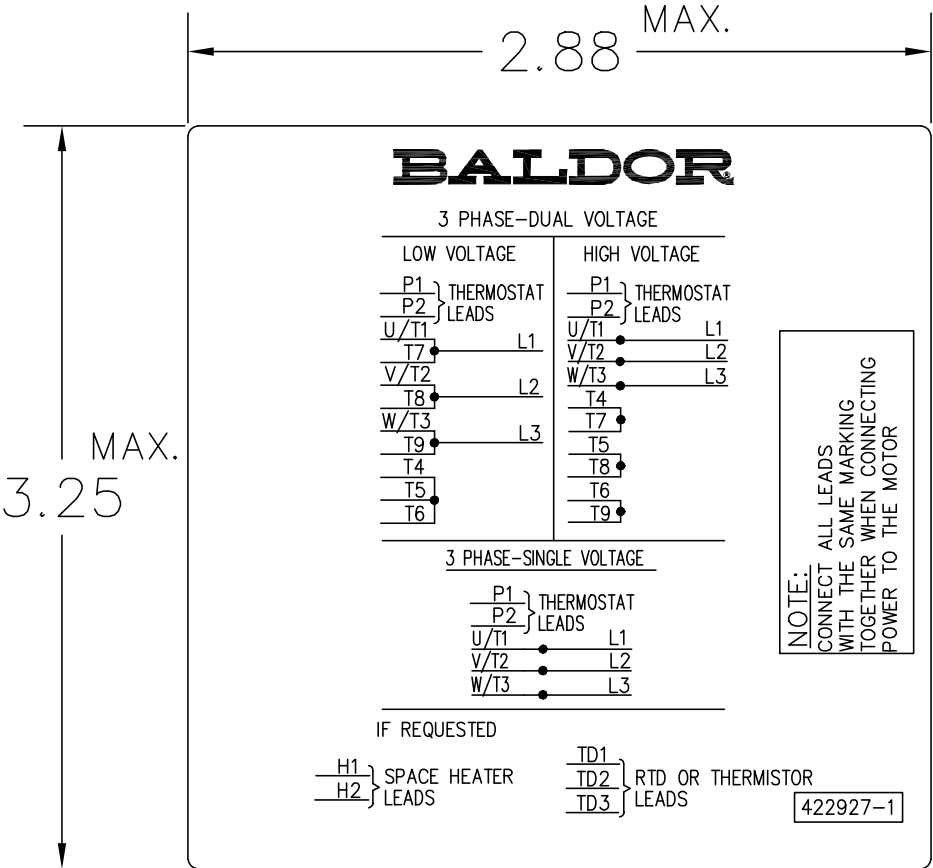
AC MOTOR
PERFORMANCE
DATA

L9455A

ISSUE DATE: 01-23-23



422927-001



NOTE:
DATA TO BE SIZED
SO THAT IT FITS INTO
MATERIAL DECAL
DIMENSIONS. MAKE
LETTERS & NUMBERS
AS LARGE AS POSSIBLE.

MATERIAL: CERAMATIC DGF-P4
 PERMA GRIP ADHESIVE

ALL LETTERS, NUMBERS
AND LINES TO BE BLACK
ON WHITE BACKGROUND.

422927-001

REV. DESC: CHANGE BACKGROUND COLOR FROM GOLD TO WHITE		
REV. LTR: B	VERSION: 02	TDR: 000000788708
FILE: \RGG\00000\203		REVISED: 08:09:29 03/04/2013
MTL: -		BY: RGGWT

BALDOR

EXTERNAL CONNECTION LABEL

SH 1 of 1