

BALDOR® • RELIANCE 

Product Information Packet

IDDRPM406004R1

600HP, 1780/2665RPM, 460V, 3PH, DPGFV, RL4046

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	L6222A	CD Diagram:	422927-001	Mfg Plant:	
Mech. Spec:		Layout:	619657-001	Poles:	04	Created Date:	04-09-2015
Base:		Eff. Date:	10-24-2019	Leads:			

Specs			
Catalog Number:	IDDRPM406004R1		
Enclosure:	DPFV		
Frame:	RL4046		
Frame Material:	Exposed Laminations		
Output @ Frequency:	600.000 @ 60 HZ		
	600.000 HP @ 60 HZ		
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ		
Voltage @ Frequency:	460.0 V @ 60 HZ		
	460 V @ 60 HZ		
Agency Approvals:	CCSA US		
	UR		
Auxillary Box:	No Auxillary Box		
Base Indicator:	Rigid		
Bearing Grease Type:	Polyrex EM (-20F +300F)		
Current @ Voltage:	669.000 A @ 460.0 V		
Duty Rating:	CONT		
Enclosure Modification:	FORCE VENT		
Feedback Device:	NO FEEDBACK		

Frame Prefix:	RL		
Heater Indicator:	No Heater		
Insulation Class:	H		
Mounting Arrangement:	F1		
Product Family:	General Industrial		
Pulley End Bearing Type:	Ball		
Pulley Face Code:	C-Face		
Shaft Ground Indicator:	Shaft Grounding		
Shaft Rotation:	Reversible		
Motor Standards:	NEMA		
Thermal Device - Bearing:	None		
Thermal Device - Winding:	Normally Closed Thermostat		

Nameplate 000613006NN										
	DUTY	HP	RPM	AMPS	VOLTS	HZ				
	CONT	600	1780	669	460	60				
	CONT	600	2665	667	460	90				
CAT.NO.	IDDRPM406004R1		SPEC. NO.	P40R1328						
SER.NO.			FR	RL 4046		INSUL	H			
PH.	3		MAX SAFE SPEED	3750		AMB.	40		MIN. AMB.	-25
DESIGN NO.	L6222A		TYPE			ENCL.	DP			
S.F.	1.00		D.E. BRG.	95BC02J30X						
ENCL MOD	FORCE VENT		O.D.E. BRG.	6316/C3VL0241						

Parts List		
Part Number	Description	Quantity
WS286592	WS P40R1328	1.000 EA
RA282824	RA P40R1328	1.000 EA
000692000FP	NP, WARNING LIFT INSTRUCTIONS	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
418057747A	METAL FASTENER	8.000 EA
000613006NN	RPM AC WITH CERTIFIED LOGOS	1.000 EA
422927001	C/D LABEL	1.000 EA
004824015A	GREASE POLYREX EM	0.900 LB
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 EA
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
036100090KA	HSHCS SHAFT BLOCK	4.000 EA
036100090KA	HSHCS SHAFT BLOCK	4.000 EA
036140001F	M30-3.5 X 45MM EYEBOLT	2.000 EA
036500013AB	HX NUT,ODE BRKT	4.000 EA
423317001A	GRD BRUSH HOLDER	1.000 EA
036500013AB	HX NUT,ODE BRKT	4.000 EA
418150003A	GREASE FITTING CAP	2.000 EA
419912001B	W WASHER	1.000 EA
036000020GB	HHCS SH B/HLDR MT	2.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
609830005ABA	TBOLT METRIC	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
609830005ACY	STUD,FRAME,FL4046	2.000 EA
708532016A	AIR BAFFLE	1.000 EA
807532003AA	BRKT,RL400	1.000 EA
423317001B	GRD BRUSH	1.000 EA
036310010FB	RHMS TERM/BLK MTG	1.000 EA
807532004AA	BRKT,RL400	1.000 EA
000613006NT	NAME PLATE IEC	1.000 EA
032018004DK	HHCS,DRIP COVER	4.000 EA
032018006CK	HHCS 3/8-16X3/4L PLATED	4.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
036000012JB	M8-1.25 X 12MM HXHDC	3.000 EA
036000016HD	HXHCS	8.000 EA
036000020JB	HHCS M8-1.25X20L PLTD-250	6.000 EA
036000020JD	HHCS M8X20MM LONG 304S.S	5.000 EA
036000025JB	HHCS M8X25MM LONG PLATED	4.000 EA
036000055KB	M10-1.5 X 55MM HHCS	4.000 EA
036600008AD	FLTWSHR,T BLK SPT	8.000 EA
036620010AB	M10 EXT. TOOTH LK WASHER	1.000 EA
417733036C	GASKT,C/BOX BACKPLATE,REF 706310063B	1.000 EA
410978010F	FLANGE, INLET BLOWER HSG	1.000 EA
410978015A	GRILL, INLET FLANGE	1.000 EA
417733004G	GASKT	2.000 EA
417733013B	GASKT (REK P/N 189486)	1.000 EA
417733014C	GASKT (REK P/N 187215)	1.000 EA

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418014014T	ADAPT,C/BOX	1.000 EA
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 EA
418057256C	HHCS M10 25MM 440 IEC	1.000 EA
422919133	HHCVR KIT,C400,DE,LOUVERED	1.000 EA
422919133	HHCVR KIT,C400,DE,LOUVERED	1.000 EA
422919137	HHCVR KIT,C400,DE,SOLID,X/T	1.000 EA
422919137	HHCVR KIT,C400,DE,SOLID,X/T	1.000 EA
422919418	HHCVR KIT,RL400,ODE/DE,C/BOX MTG	1.000 EA
610490001BW	3//2.5HP,3450//2850RPM,3PH,60//50HZ,145T	1.000 EA
415000103E	T/LUG #4AWG-1/0AWG W/HOLE FOR .375 BOLT	1.000 EA
611917002P	GASKT C400	1.000 EA
611965001E	BLOWER WHEEL	1.000 EA
613439048A	C/BOX,ADAPT,BACKPLATE	1.000 EA
706305301A	GUARD, SHAFT	1.000 EA
706310058B	CBCVR(REK P/N 187296)	1.000 EA
706310389B	ENTRY PLATE 706310389AB	1.000 EA
706310063B	CBOX (REK)	1.000 EA
706313062B	BLHSG FE MTG C400	1.000 EA
000640000P	TAG WINDING THERMOST	1.000 EA
004824007K	SPECIAL PAINT	0.300 EA
034180046KA	KEY 7/8X7/8X5-3/4L	1.000 EA
418018116	WARNING PLATE	1.000 EA

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE	CONN EQ	CKT OHMS	PER PHASE
FRAME	RL4046	AMPS	669	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)			
HP	600	DUTY	CONT	IM (AMPS)	177	R1	.00431	X1	.0423
BASE SPEED	1780	S.F.	1.0	P.F. @NL/FL	.039/.90	R2	.00323	X2	.0456
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (lb-ft ²)	85			XM	1.53

RATED FULL LOAD DATA


	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1779	600	1772	460	60	666
MAX SPEED	2667	600	1181	460	90	662
MIN SPEED	0	0	1772	8.60	.700	666

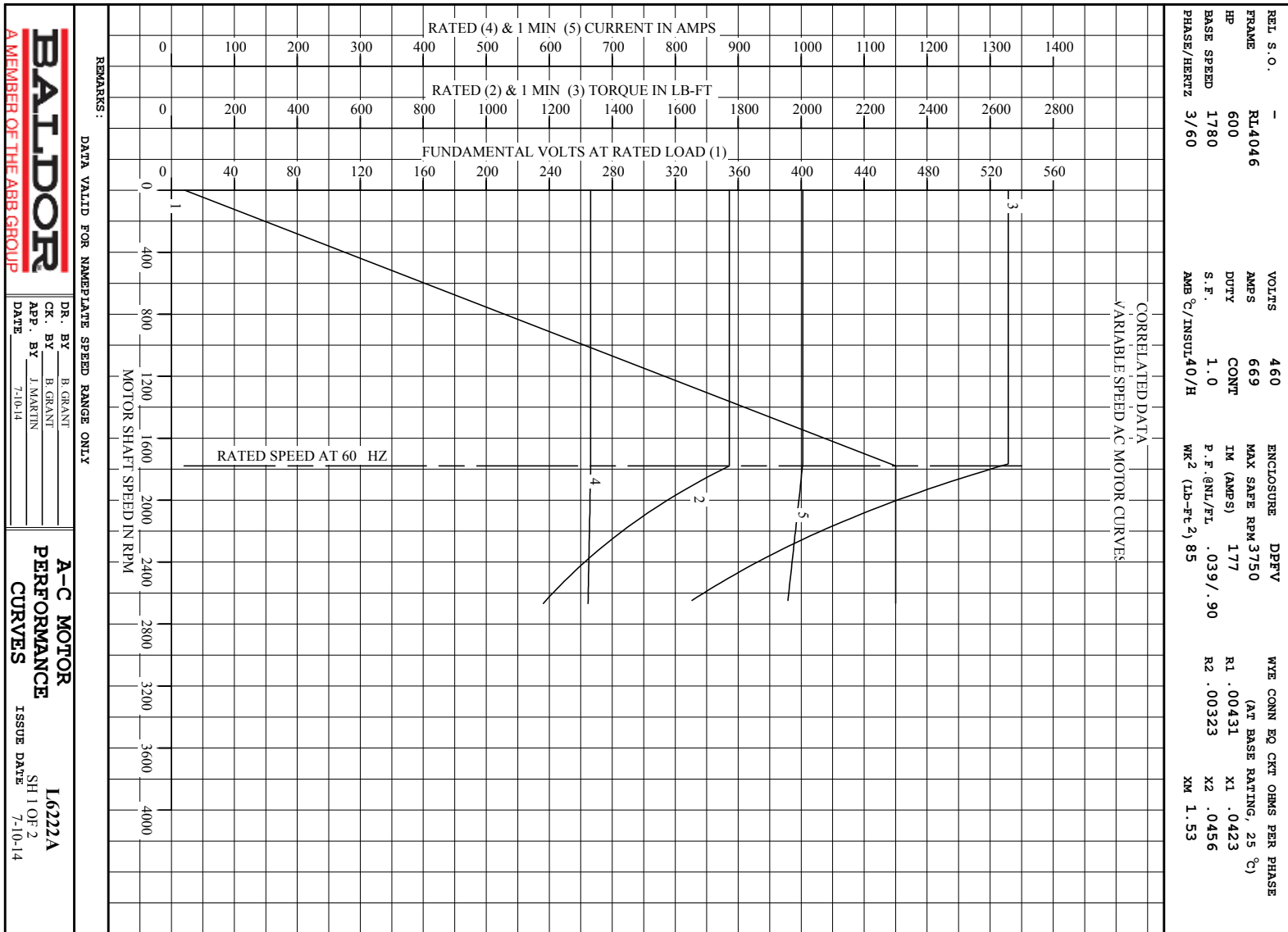
LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	174
1/4	1795	150	440	460	60	239
1/2	1790	300	881	460	60	364
3/4	1785	450	1324	460	60	509
FULL LOAD	1779	600	1772	460	60	666
O/L	1766	894	2657	460	60	1002

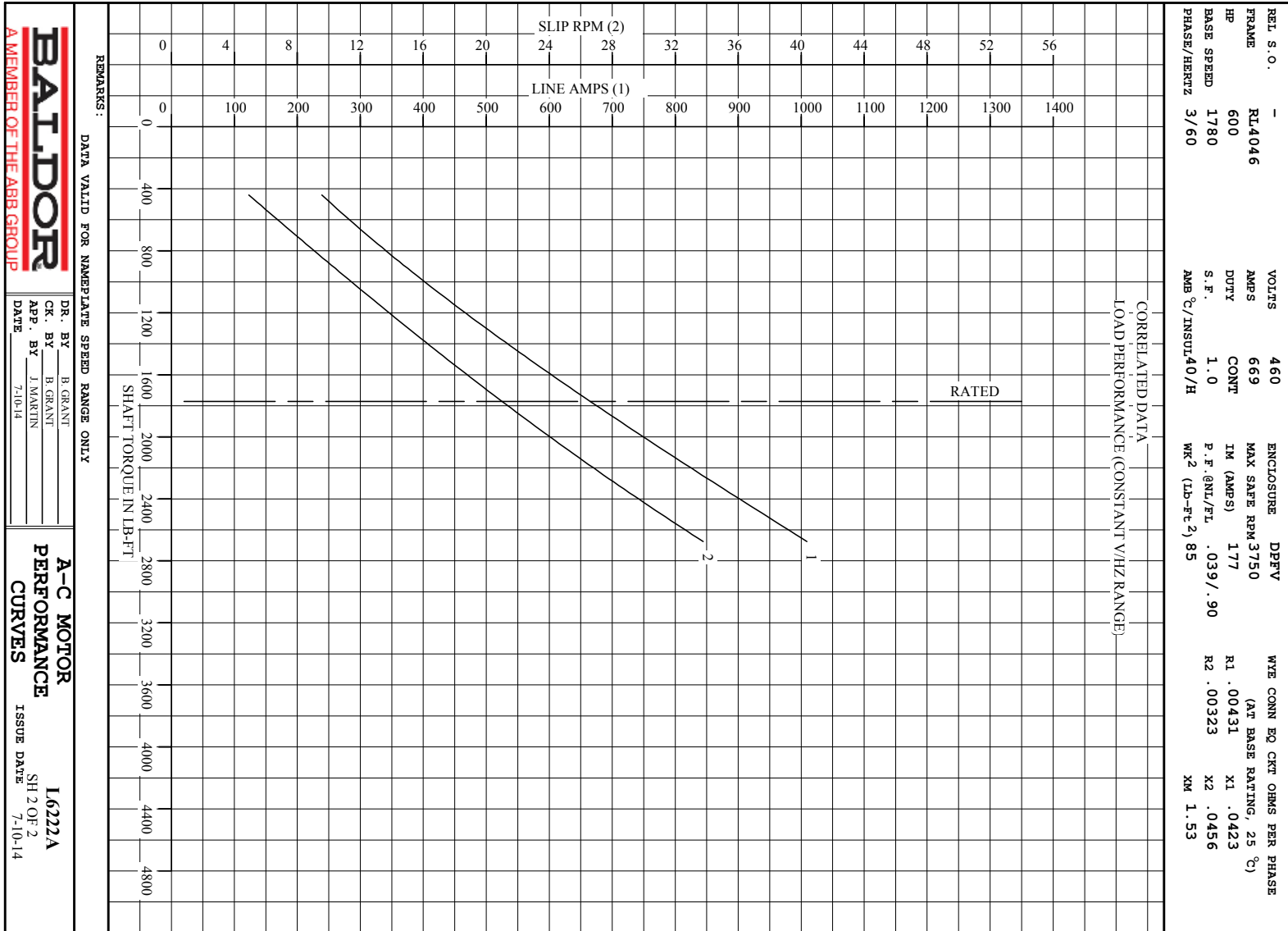
BLOWER DATA	VOLTS	PH/Hz	FL AMPS	LR AMPS	FRAME	CFM

REMARKS: CORRELATED DATA

 <p>A MEMBER OF THE ABB GROUP</p>	DR. BY	B. GRANT	<p>A-C MOTOR PERFORMANCE DATA</p> <p>ISSUE DATE 7-10-14</p>
	CR. BY	B. GRANT	
	APP. BY	J. MARTIN	
	DATE	7-10-14	



REMARKS: DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

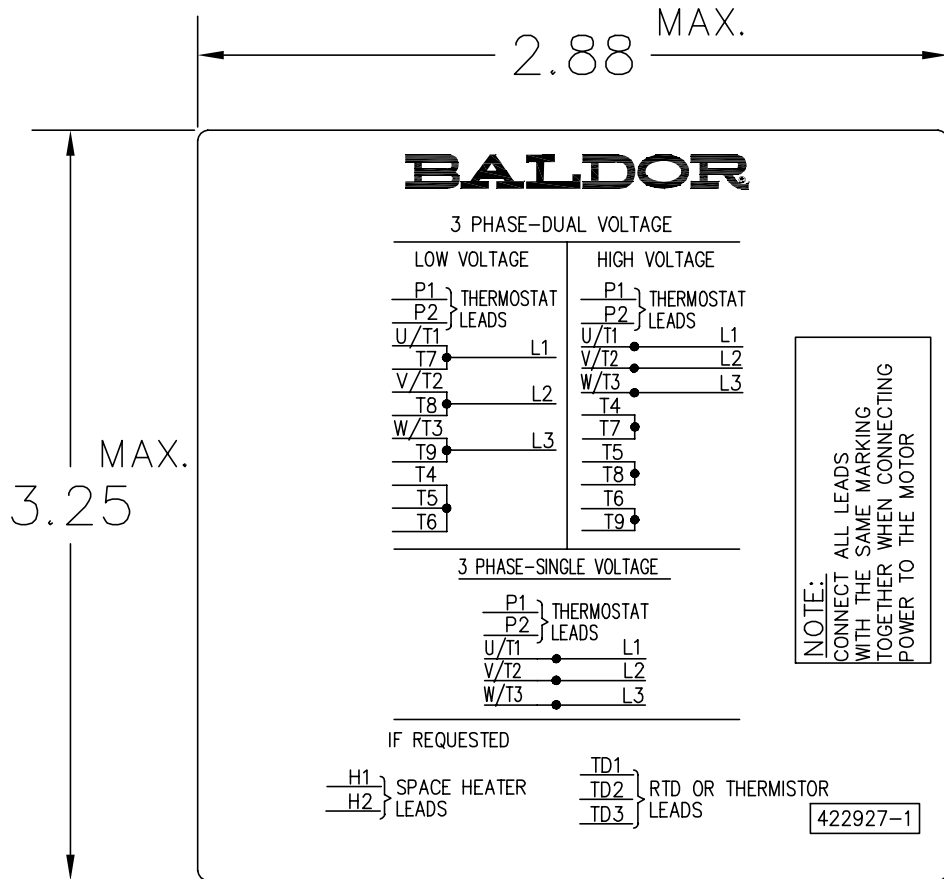


BALDOR
A MEMBER OF THE ABB GROUP

DR. BY B. GRANT
CR. BY H. GRANT
APP. BY J. MARTIN
DATE 7-10-14

A-C MOTOR
PERFORMANCE
CURVES
ISSUE DATE SH 2 OF 2
7-10-14 I6222A

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

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