

BALDOR® • RELIANCE

Product Information Packet

IDDRPM21404

40HP,1750RPM,3PH,N/AHZ,2162,DPG-FV,

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	L0231A	CD Diagram:	422927-001	Mfg Plant:	
Mech. Spec:		Layout:	617202-001	Poles:	04	Created Date:	04-10-2015
Base:		Eff. Date:	04-13-2015	Leads:			

Specs			
Catalog Number:	IDDRPM21404		
Enclosure:	DP		
Frame:	RL2162		
Frame Material:	Exposed Laminations		
Output @ Frequency:	40.000 HP @ 60 HZ		
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ		
Voltage @ Frequency:	460.0 V @ 60 HZ		
Agency Approvals:	CCSA US		
	UR		
Auxillary Box:	No Auxillary Box		
Base Indicator:	Rigid		
Bearing Grease Type:	No Grease		
Current @ Voltage:	52.000 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:	Standard		
Shaft Ground Indicator:	No 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	40	1750	52	460	60	
	CONT	40	2000	52	460	69	
CAT.NO.	IDDRPM21404		SPEC. NO.		P21R0211		
SER.NO.			FR	RL 2162	INSUL	H	
PH.	3		MAX SAFE SPEED	5000	AMB.	40	MIN. AMB. 0
DESIGN NO.	L0231A		TYPE		ENCL.	DP	
S.F.	1.00		D.E. BRG.	50BC03JPP30A			
ENCL MOD	FORCE VENT		O.D.E. BRG.	45BC02JPP30A			

REL. S. O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE
FRAME	RL2162	AMPS	49.26	MAX SAFE RPM	5000	(AT BASE RATING, 25 °C)
HP	40	DUTY	CONT	IM (AMPS)	15.52	R1 .177 X1 .748
BASE SPEED	1750	S.F.	1.0	P.F. @NL/FL	.089/.872	R2 .113 X2 .717
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK² (LB-FT²)	1.99	X3 17.6

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1747	40.0	120	460	60	49.6
MAX SPEED	2007	40.0	105	460	69	48.9
MIN SPEED	0	0	120	26.7	1.78	49.6

LOAD PERFORMANCE AT BASE SPEED

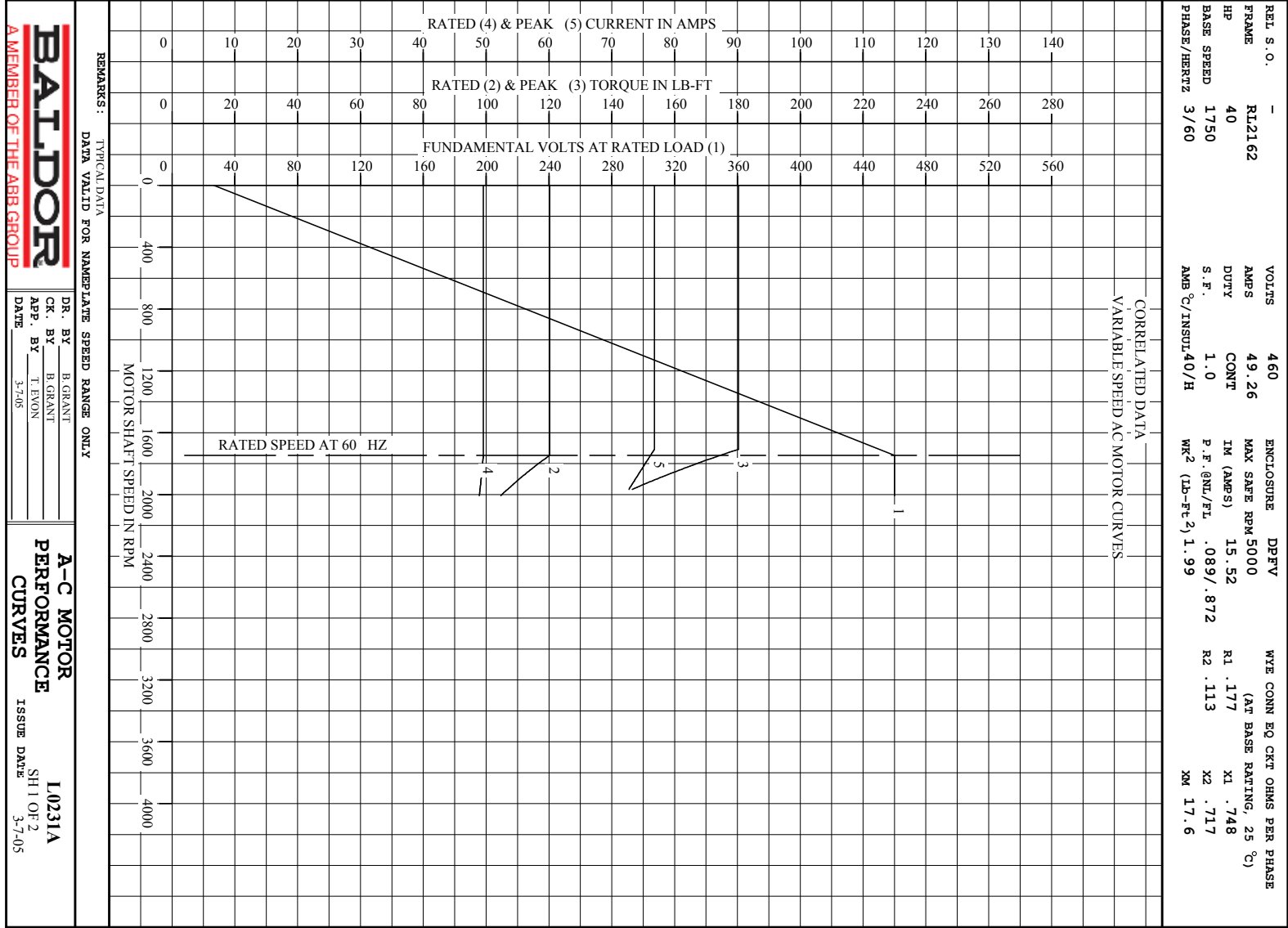
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	15.3
1/4	1788	10.0	29	460	60	19.4
1/2	1776	20.0	59	460	60	27.6
3/4	1762	30.0	89	460	60	37.7
FULL LOAD	1747	40.0	120	460	60	49.6
O/L	1707	58.6	180	460	60	76.8

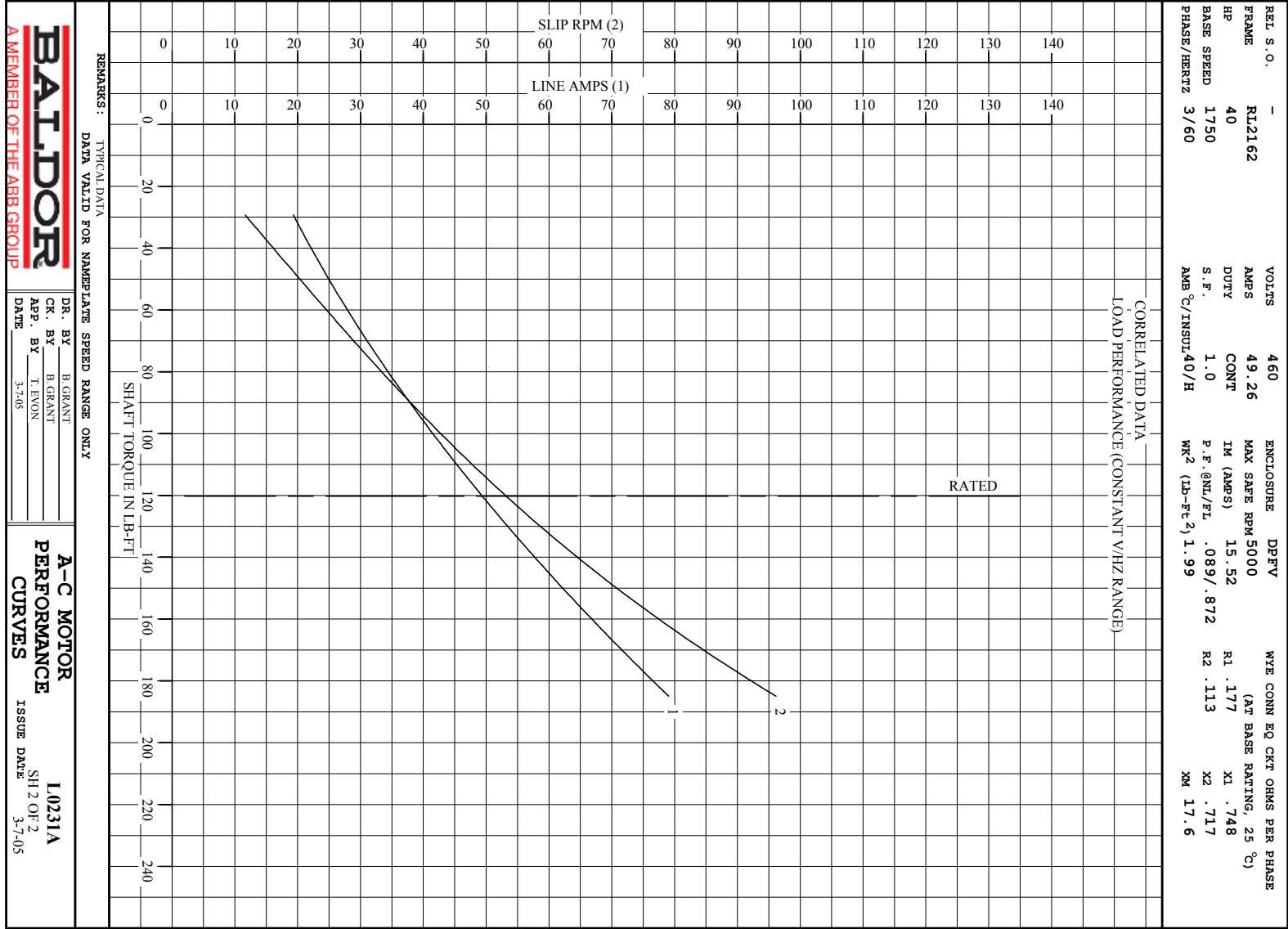
REMARKS: TYPICAL DATA
CORRELATED DATA

BALDOR		DR. BY <u>B. GRANT</u>	A-C MOTOR PERFORMANCE DATA
A MEMBER OF THE ABB GROUP		CK. BY <u>T. EVON</u>	
		APP. BY <u>3-7-05</u>	
		DATE <u>3-7-05</u>	ISSUE DATE <u>3-7-05</u>

C/R 393520

Printed on 12/14/11 12:02 @ rgg







616779-050

SEE MOTOR D/S

ROTATION IN 90°

LEAD HOLE

TA

Y

XAB

T

XX

XY

OPTIONAL AUXILIARY CONDUIT BOX

FRAME	TYPE	TERMINAL STRIP	AMPS	C/BOX	Y	TA	T	AA
FL180	STEEL	N	40	7063200034	5.10	1.83	3.00	1.12
FL180	STEEL	Y/N	75	7063200034	6.12	2.36	4.38	1.52/2.00
FL180	STEEL	N	208	7063200074	7.52	2.00	7.00	2.50/3.00
FL180	CAST IRON	Y/N	60	706320004C	4.75	2.30	4.38	1.0.1AP
FL180 & FDL11	MILL	Y	100	706310006A	7.75	2.38	4.40	PC29/PG16

[illegible]

FL250 & RL250	STEEL	N	61	07545/0050/L	6.34	2.00	4.12	1.34
FL250 & RL250	STEEL	N	121	07545/0050/JM	7.69	2.38	5.25	1.95
FL250 & RL250	STEEL	N	305	706320016/A	9.00	4.12	8.44	4.29
FL250 & RL250	CAST IRON	N	110	07546/0002B	7.25	2.50	5.45	1.5
FL250 & RL250	CAST IRON	N	210	706320013/A	10.50	4.88	9.00	4.10
FL16 & RL16	MILL	Y	100	706310056/A	7.75	2.30	5.40	P032/G16
FL250 & RL250	MILL	Y	160	706310056B	9.00	3.06	5.40	P036/G16
FL16 & RL16	MILL	Y	400	706310053B	14.39	7.43	12.15	BLANK

[illegible]

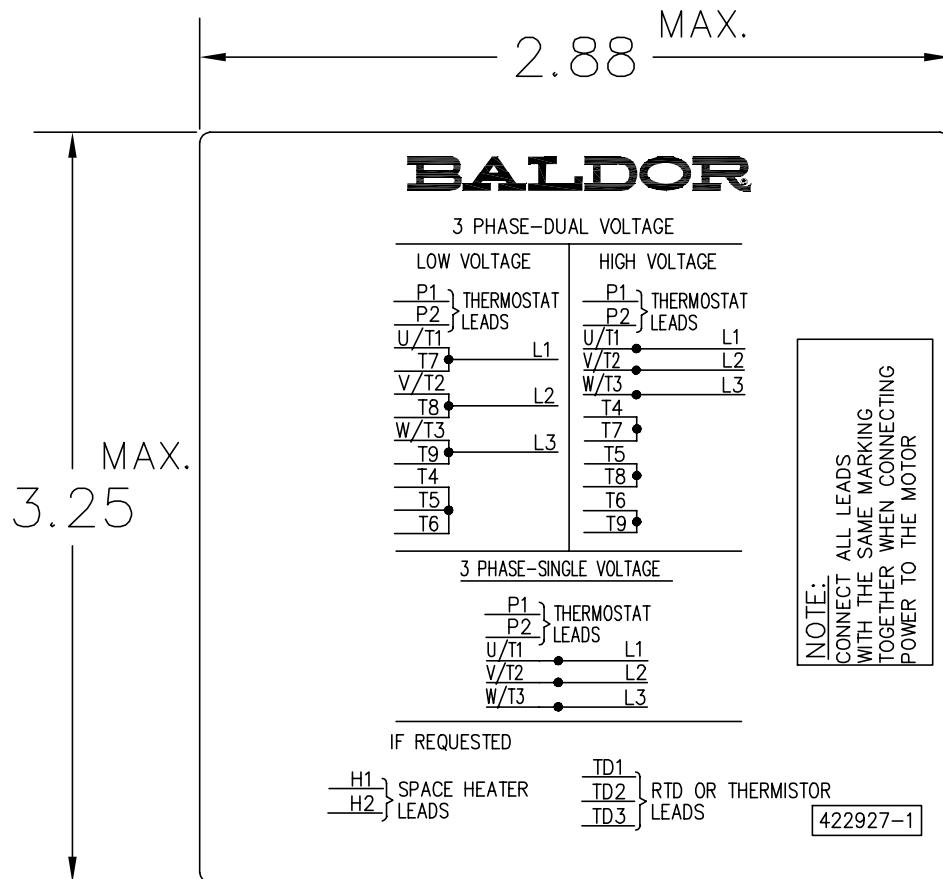
OPTIMAL AUXILIARY CONJUGATE BOX DIMENSIONS (MAXIMUM)													
FRAME SIZE		XX		XY		PART NUMBER	FRAME SIZE		XX		XY		PART NUMBER
F200T	F120T	7	38	4	25	6020T-26-A	F200T	F120T	10	88	8	00	706310-3-B
F200T	F160T	8	44	4	25	6020T-26-A	F250T	F160T	11	86	8	00	706310-3-B
F280T	F200T	9	12	4	25	6020T-26-A	F280T	F200T	12	62	8	00	706310-3-B

- TERMINAL BOX CAN BE ROTATED FOR LEAD 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. BOX LOCATED ON TOP WHEN SPECIFIED.

MTL: —

SH 1 of 1

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.

NOTE:
CONNECT WITH THE TOGETHER POWER TEAM

422927-1

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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