

# D. MacArthur & Associates

ABN 69 317 590 696

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Phone (07) 3283 3817 Fax (07) 3319 6171 Mobile 0439 328 338



## AIRCRAFT VALIDATION SUMMARY

### REASON FOR REPORT INSTALL FIRE RADIO'S

No. of Report Pages 4

These "Owners Copies" are supplied to ensure compliance with CAO 100.7 para 5.2 (5) which requires that, "The owner or operator shall keep in a safe place on the ground, duplicate copies of all current approved loading data applicable to his aircraft."

Aircraft Type	Partenavia P68B		
Aircraft Registration	VH-IYC		
Aircraft Serial No.	119		
Owner or Operator	S. Wilson		
Aircraft Datum	F.S. 0.0 Wing Leading Edge		
Place	N/A		
Scales Number	N/A		
Organisation	D. MacArthur & Associates		
Authority No.	AQ-45		
Work Order No.	WB-6153	Date	18-Apr-16

### LOAD DATA SHEET



Issue No.  
**FIVE**

Date of Expiry  
**INDEFINITE**

Empty Weight  
**1358.3** kg

Arm  
**401.0** mm

Moment  
**544685** kg.mm

## CURRENT WEIGHING DETAILS

Aircraft Registration

VH-IYC

Type

Partenavia P68B

Date

02-May-02

## LOAD DATA SHEET

Issue No.

FOUR

Date of Expiry

INDEFINITE

Empty Weight

lbs

Arm

ins

FALSE

Moment

Empty Weight

1353.0 kg

Arm

393.75 mm AFT

Moment

532741

Configuration at time of weighing (refer also to Equipment List)  
UNUSABLE FUEL & FULL ENGINE OIL

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## DATA FOR VALIDATION

Data for validation extracted from LDS issue 4 dated 02-May-2002

Fire radio data supplied by AMS Caloundra.

Equipment list Issue 4 remains current

### NOTE:

Load Data sheet prepared by the **VALIDATION** of cumulative data and  
and not by weighing the aircraft.

  
WEIGHT CONTROL OFFICER AQ45

Date 18-Apr-16

## DETERMINE BASIC WEIGHT

[illegible]

## DETERMINE INDEX

$$W \times (\text{Arm-311})/1000$$

122259.7

122

**DETERMINE MAX & MINIMUM EMPTY C of G AND ARM FOR REWEIGH**

0.5% or 10kg which ever is greater

= 0.5%

+/- empty weight

Max Take Off weight kg =

1990.0

MTOW

10.0

10.0 kg

2% or 5mm which ever is the greater

$$= 2\%$$

+/- mm C of G

Max C of G range mm =

266.70

C of G

### 5.3

5.3 mm

*D. J. MacArthur.*  
WEIGHT CONTROL OFFICER AQ45

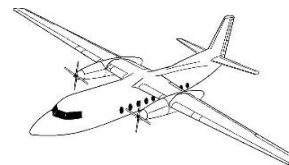
Date 18-Apr-16

	3.28		
	5.84		
	2.63		
141	11.75	76	
	3581	1923	
	8	203	2126
	15	381	2304
	18	457	2380
	21	533	2456
	22	559	2482

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# LOAD DATA SHEET

D. MacArthur & Associates  
(NAME OF ORGANISATION)



Aircraft Type Partenavia P68B S/N 119 Aircraft Reg VH-IYC

Approved loading system Trim Sheet JL-63 Issue 4 OR P68B Flight Manual

AUTHORISED	DATE	DATE OF EXPIRY	ISSUE
D. J. MacArthur	18-Apr-16	INDEFINITE SUBJECT TO C.A.O. 100.7	FIVE

This LOAD DATA SHEET  
has been prepared by the  
**VALIDATION**  
of cumulative data and not  
by weighing the aircraft.



ITEM	WEIGHT Kg	ARM mm	MOMENT	INDEX * (IU)	CONFIGURATION (ALSO SEE EQUIPMENT LIST)
EMPTY WEIGHT	1358.3	401	544685		SIX PASSENGER CONFIGURATION
BASIC WEIGHT	1358.3	401	544685	<b>122</b>	

**THE ABOVE WEIGHTS INCLUDE:**

EMPTY WEIGHT: UNUSABLE FUEL & FULL ENGINE OIL

BASIC WEIGHT: SAME AS EMPTY WEIGHT

**LOAD SYSTEM**

- 1) REFER TO FLIGHT MANUAL & SUPPLEMENTS FOR LOAD LIMITATIONS.
- 2) LOAD AIRCRAFT USING LOAD SYSTEM JL-63 Issue 4
- 3) CHECK LOADING AT ZERO FUEL AND TAKE OFF WEIGHTS.

**NOTE:**

LOAD SYSTEM JL-63 IS BASED ON A NON STANDARD DATUM 311mm AFT OF THE  
STANDARD DATUM.

**DO NOT USE DATA RELATING TO THE STANDARD DATUM.**



REFER TO TRIM SHEET FOR INDEX FORMULA



6153-119

WORK ORDER WB-6153	DATUM F.S. 0.0 Wing Leading Edge
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## WEIGHT AND BALANCE RECORD

Part A - Weight & Balance Maintenance Data (to be completed by a Weight and Balance Control Officer (WBCO))		Revision and Re-issue Required <span style="color: red;">INDEFINITE</span>  SUBJECT TO C.A.O. 100.7																		
D. J. MACARTHUR 11 PARADISE COURT CLONTARF 4019 AUSTRALIA  PHONE: (07) 3283 3817 FAX: (07) 3319 6171     <small>WEIGHT CONTROL OFFICER AQ45</small>  Date 18-Apr-16	Weight and Balance Report Ref: <span style="color: red;">WB-6153</span> Centre of Gravity Position (CG) is  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">LONGITUDINAL</div>  measured      AFT      of datum		Empty Weight and Empty Weight CG  <div style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">Validation Dated      18-Apr-16</div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 33%;">Weight (kg)</th> <th style="width: 33%;">Arm (mm)</th> <th style="width: 33%;">Index</th> </tr> <tr> <td style="text-align: center;">1358.3</td> <td style="text-align: center;">401.0</td> <td style="text-align: center;">544685</td> </tr> </table>	Weight (kg)	Arm (mm)	Index	1358.3	401.0	544685											
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	1358.3	401.0	544685																	
Configuration:  <div style="text-align: center;">             SIX PASSENGER              CONFIGURATION              UNUSABLE FUEL &amp; FULL              ENGINE OIL           </div>		<b>Maximum &amp; Minimum Empty Weight &amp; Empty Weight CG</b> Revision and Reissue by WBCO is required when calculated running totals are  <table style="width: 100%;"> <tr> <td style="width: 30%;"></td> <td style="width: 35%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Weight (kg)</th> <th style="width: 33%;">Arm (mm)</th> </tr> <tr> <td style="text-align: center;">1368.3</td> <td style="text-align: center;">406.3</td> </tr> <tr> <td style="text-align: center;">1348.3</td> <td style="text-align: center;">395.7</td> </tr> </table> </td> <td style="width: 35%;"></td> </tr> <tr> <td style="width: 30%;"></td> <td style="width: 35%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Weight (kg)</th> <th style="width: 33%;">Arm (mm)</th> </tr> <tr> <td style="text-align: center;">1368.3</td> <td style="text-align: center;">406.3</td> </tr> <tr> <td style="text-align: center;">1348.3</td> <td style="text-align: center;">395.7</td> </tr> </table> </td> <td style="width: 35%;"></td> </tr> </table>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Weight (kg)</th> <th style="width: 33%;">Arm (mm)</th> </tr> <tr> <td style="text-align: center;">1368.3</td> <td style="text-align: center;">406.3</td> </tr> <tr> <td style="text-align: center;">1348.3</td> <td style="text-align: center;">395.7</td> </tr> </table>	Weight (kg)	Arm (mm)	1368.3	406.3	1348.3	395.7			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Weight (kg)</th> <th style="width: 33%;">Arm (mm)</th> </tr> <tr> <td style="text-align: center;">1368.3</td> <td style="text-align: center;">406.3</td> </tr> <tr> <td style="text-align: center;">1348.3</td> <td style="text-align: center;">395.7</td> </tr> </table>	Weight (kg)	Arm (mm)	1368.3	406.3	1348.3	395.7	
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Aircraft Longitudinal Datum  F.S. 0.0 Wing Leading Edge																				

Part B - Record of Empty Weight and Balance (the person co-ordinating maintenance shall ensure that Part B is calculated and recorded in accordance with CAO 100.7)

[illegible]

Organisation	D. MacArthur & Associates	Aircraft Type	Partenavia P68B	Registration	VH-IYC	Page	1 of 1
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## WEIGHT AND BALANCE RECORD