TYPE CERTIFICATE DATA SHEET No A-16

This data sheet which is part of Type Certificate No. A-16 prescribes the conditions and limitations under which the product for which the Type Certificate was issued meets the airworthiness requirements of the New Zealand Civil Aviation Rules.

Type Certificate Holder: Pacific Aerospace Limited
333 Airport Road
Hamilton 3282
New Zealand

Transferred on 23 November 2017 from: Found Aircraft Canada Inc.
Parry Sound,
Ontario,
Canada
(See Note 1)

1. MODEL FBA-2C (Normal Category) Approved February 19, 1964

  Engine Lycoming 0-540-A1C5
  Engine Limits Maximum for all operations 250 H.P. at 2575 r.p.m.
  Full throttle at Sea Level
  Propeller and McCauley Variable Pitch 2D36C28/80MM-6
  Propeller Limits Diameter: Maximum 74 ins., Minimum 73 ins.
  No reduction in minimum size allowed.
  Pitch setting at Station 30.0: Low 15.7°
  High 32.0°
  Constant Speed Governor, Woodward 210395
Airspeed Limits

<table>
<thead>
<tr>
<th>CAS</th>
<th>Knots</th>
<th>MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>$V_{NE}$</td>
<td>135</td>
<td>155.3</td>
</tr>
<tr>
<td>$V_{P}$</td>
<td>112.5</td>
<td>130.0</td>
</tr>
<tr>
<td>$V_{NO}$</td>
<td>107</td>
<td>123.3</td>
</tr>
<tr>
<td>$V_{FE}$</td>
<td>93.5</td>
<td>108.0</td>
</tr>
</tbody>
</table>

C.G. Range

**Landplane and Skiplane**

<table>
<thead>
<tr>
<th>Gross Weight</th>
<th>Fwd. Limit</th>
<th>Aft Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2850 lbs. (1293 kg)</td>
<td>+17.0 in</td>
<td>+24.5 in.</td>
</tr>
<tr>
<td>2250 lbs. (1021 kg) or less</td>
<td>+15.3 in.</td>
<td>+24.5 in.</td>
</tr>
</tbody>
</table>

**Seaplane**

<table>
<thead>
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</tr>
</tbody>
</table>

Straight line variation between points.

Additional limitations for specific ski and float installations are contained under "Optional Equipment".

All versions: See Note 2.

Datum

Main landing gear beam centre line.

Maximum Weight

| Landplane and Skiplane | 2,850 lbs. (1293 kg) |
| Seaplane               | 2,850 lbs. (1293 kg) (See Item 602 for higher weight). |

Maximum Occupants

5, including pilot. (2 at +17.8 in., and 3 at +61.75 in.)

Fuel Capacity

56.0 Imperial Gallons Total (+22.2 in.)
28 Imperial Gallons each wing tank.
55.0 Imperial Gallons Usable.

Oil Capacity

10.5 Imperial Quarts Maximum (-38.8 in.)

Control Surface Movements

<table>
<thead>
<tr>
<th>Wing Flaps</th>
<th>0°</th>
<th>Up</th>
<th>32°</th>
<th>Down</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aileron</td>
<td>18°</td>
<td>Up</td>
<td>12°</td>
<td>Down</td>
</tr>
<tr>
<td>Elevator (0° Stab.)</td>
<td>29.5°</td>
<td>Up</td>
<td>21.5°</td>
<td>Down</td>
</tr>
<tr>
<td>Stabilizer</td>
<td>3°</td>
<td>Up</td>
<td>5°</td>
<td>Down***</td>
</tr>
<tr>
<td>Rudder</td>
<td>30°</td>
<td>Left</td>
<td>30°</td>
<td>Right</td>
</tr>
</tbody>
</table>

*** Up and Down refer to the leading edge of the stabilizer
MODEL FBA-2C (Cont’d)

Approved Configuration
No Master Drawing List or equivalent document in existence for the FBA-2C model. Serial production of FBA-2C aircraft not permitted by Pacific Aerospace Ltd.

Serial Numbers Eligible
3 to 27 manufactured by Found Brothers Aviation.

Certification Basis
CAR 3 dated May 15, 1956, and Amendments 3-1 to 3-7 inclusive. Date of Application for Type Certification: February 11, 1963.

Required Equipment
The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis), must be installed in the aircraft. In addition, the following items of equipment are required:

- Landplane, Item 401(a) and Item 601.
- Seaplane, Item 401(a) and Item 601.

Optional Equipment
Propeller and Propeller Accessories
1. (a) Hartzell Constant Speed HC-92ZK-1D/8847-0
   Weight 70 lbs. (32 kg) at -63.0 ins.
   Diameter: Maximum 88 in., Minimum 88 in.
   Pitch Setting at Station 30.0 in.:
       Low 12°
       High 26.4°

   (b) Woodward Constant Speed Governor B210340

Landing Gear
201. Ski Installations
    (a) Federal Model CF 3000
        Ski installation to Found Bros.
        Drawing 2C36-1 Issue 2C dated March 10, 1964.
        Gross Weight 2850 lbs. (1293 kg)
        C.G. Limits: From +15.3 in. to +24.5 in.

    (b) Federal C 3200
        Ski installation to Found Bros.
        Drawings 2C62-1 and 2C35-22
        Gross Weight 2850 lbs. (1293 kg)
        C.G. Limits: From +17.0 in. to +23.5 in.
MODEL FBA-2C (Cont’d)

(c) Fluidyne 4000 MK. 2 Flilite Ski installation to Found Bros. Drawing 2C35-2 Issue 3H.
Gross Weight 2850 lbs (1293 kg)
C.G. Limits: From +17.0 in. to +23.5 in.

202. Float Installations
(a) Edo Model 249A-2870 Floats
Float installation to Found Bros. Drawing 2C-44-1, See Item 602.
(b) Edo Model 249-2870 Floats
Float installation to Found Bros. Drawing 2C48-1, See Item 602.
(c) Edo Model 249A-2870 Modified Floats
Float installation to Found Bros. Drawing 2C44-1, See Item 602.

NOTE: The Edo Model 249A-2870 Modified Floats are Model 249A-2870 Floats modified to Edo Drawing X-43521 and conform in shape with the Edo Model 597-2790 Floats.

(d) Edo Model 597-2790 Floats
Amphibian installation to Found Bros. Drawing 2C44-1.
For Gross Weights up to 3000 lbs. (1361 kg)
C.G. Limits are: Fwd. Limit: +17.0 in.
Aft Limit: +23.5 in.
See Item 602.
(e) PK 3500 Floats
Float installation to Found Bros. Drawing 2C64-1
Issue 2 dated July 30, 1966
C.G. Limits are: Fwd. Limit +17.0 in.
Aft Limit +23.5 in.
See Item 602.

Electrical Equipment
301. Position and instrument lights per Modification No. 118.

Interior Equipment
401. (a) CAA Approved Flight Manual AIR 3477 dated February 25, 1964 or later approved revision.
(b) CAA Approved Flight Manual AIR 3478 dated April 28, 1965 or later approved revision.
### Optional Equipment (Cont’d)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>601.</td>
<td>Stall Warning Indicator, Dwg. W-535</td>
</tr>
<tr>
<td>602.</td>
<td>3000 lbs. (1361 kg) gross weight modification on seaplane per Modification No. 117. Limitations as follows:</td>
</tr>
</tbody>
</table>

#### Airspeed Limits

- $V_{NE}$ (Never Exceed): 153 MPH
- $V_{P}$ (Manoeuvring): 133 MPH
- $V_{NO}$ (Max. Structural Cruising): 122 MPH
- $V_{FE}$ (Flaps Extended): 111 MPH

#### Maximum Weight

- 3000 lbs. (1361 kg)

#### C.G. Range

- Fwd. Limit: 15.3 in. aft of datum at all weights.
- Aft Limit: 23.6 in. aft of datum at all weights.

#### Control Surface Movements

<table>
<thead>
<tr>
<th>Surface</th>
<th>Up</th>
<th>Down</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Flaps</td>
<td>0°</td>
<td>32°</td>
</tr>
<tr>
<td>Aileron</td>
<td>18°</td>
<td>12°</td>
</tr>
<tr>
<td>Elevator (0° Stab.)</td>
<td>29.5°</td>
<td>21.5°</td>
</tr>
<tr>
<td>Stabilizer</td>
<td>4.5°</td>
<td>3.5°</td>
</tr>
<tr>
<td>Rudder</td>
<td>30°</td>
<td>Left 30° Right</td>
</tr>
</tbody>
</table>

*** Up and Down refer to the leading edge of the stabilizer

### Miscellaneous (Not Listed Above)

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<td>30°</td>
<td>Left 30° Right</td>
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</table>

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### Required Equipment

- Items 1(a), 1(b), 401(b) and 601

### Serial Nos. Eligible

- 3, 5 to 27 inclusive
2. **MODEL FBA-2C1 (Bush Hawk) (Normal Category) Approved March 5, 1999**

This resumption-of-production model is essentially identical aerodynamically to the earlier production model, but includes a number of mandatory, substitution, and product improvement modifications.

**Engine**

<table>
<thead>
<tr>
<th>Engine</th>
<th>Lycoming IO-540-D4A5 (260 HP) or,</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lycoming IO-540-L1C5 (300 HP)</td>
</tr>
</tbody>
</table>

**Engine Limits**

- Maximum for all operations; Full throttle at Sea Level.
- IO-540-D4A5 260 H.P. at 2700 r.p.m.
- IO-540-L1C5 300 H.P. at 2700 r.p.m.

**Propeller and Propeller Limits**

- Hartzell 3-blade variable pitch HC-C3YR-1RF/F8468A-2R
- Diameter: Maximum 84 ins., Minimum 83 ins.
- Pitch setting at Station 30.0: Low 10.3°
- High 31.0°
- Constant Speed Governor, Hartzell V5-4

**Airspeed Limits (CAS)**

<table>
<thead>
<tr>
<th>With 260 HP IO-540-D4A5 engine</th>
<th>Knots</th>
<th>MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>( V_{NE} ) (Never Exceed)</td>
<td>141</td>
<td>162</td>
</tr>
<tr>
<td>( V_A ) (Manoeuvring)</td>
<td>117</td>
<td>135</td>
</tr>
<tr>
<td>( V_{NO} ) (Max. Structural Cruise)</td>
<td>126</td>
<td>145</td>
</tr>
<tr>
<td>( V_{FE} ) (Flaps Extended)</td>
<td>103</td>
<td>118</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With 300 HP IO-540-L1C5 engine</th>
<th>Knots</th>
<th>MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>( V_{NE} ) (Never Exceed)</td>
<td>141</td>
<td>162</td>
</tr>
<tr>
<td>( V_A ) (Manoeuvring)</td>
<td>117</td>
<td>135</td>
</tr>
<tr>
<td>( V_{NO} ) (Max. Structural Cruise)</td>
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<td>118</td>
</tr>
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**C.G. Range**

**Landplane**

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<tr>
<th>Gross Weight</th>
<th>Fwd. Limit</th>
<th>Aft Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>3200 lbs. (1451 kg)</td>
<td>+17.0 in.</td>
<td>+24.5 in.</td>
</tr>
<tr>
<td>1900 lbs. (862 kg)</td>
<td>+17.0 in.</td>
<td>+24.5 in.</td>
</tr>
</tbody>
</table>

**Skiplane**

<table>
<thead>
<tr>
<th>Gross Weight</th>
<th>Fwd. Limit</th>
<th>Aft Limit</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
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<td>+17.0 in.</td>
<td>+24.5 in.</td>
</tr>
</tbody>
</table>
### MODEL FBA-2C1 (Bush Hawk) (Cont’d)

<table>
<thead>
<tr>
<th>C.G. Range (Cont’d)</th>
<th>Seaplane</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gross Weight</td>
<td>Fwd. Limit</td>
<td>Aft Limit</td>
</tr>
<tr>
<td></td>
<td>3500 lbs. (1588 kg)***</td>
<td>+17.0 in.</td>
<td>+23.5 in.</td>
</tr>
<tr>
<td></td>
<td>1900 lbs. (862 kg)</td>
<td>+17.0 in.</td>
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</tr>
</tbody>
</table>

Straight line variation between points.

*** Gross weight and C of G limits may vary depending on the option installed. See the Optional Equipment section for specific float installation.

All versions: See Note 2.

**Datum**

- **Landplane:** Main wheel axle.
- **Seaplane:** Lower forward corner of the front door.

**Maximum Weight**

- **Landplane:** 3,200 lbs. (1451 kg)
- **Skiplane:** 3,200 lbs. (1451 kg)
- **Seaplane:** 3,500 lbs. (1588 kg)***

*** Maximum weight will vary depending on the floats installed.

**Maximum Occupants**

- 5, including pilot. (2 at +17.8 in., and 3 at +55 in.)

**Fuel Capacity**

- At +21.8 in.
- **Usable:** 372 litres / 81.9 Imp. Gals. / 98.3 U.S. Gals.
- **Unusable:** 6 litres / 1.4 Imp. Gals. / 1.7 U.S. Gals.
- **Total:** 378 litres / 83.3 Imp. Gals. / 100.0 U.S. Gals.

**Oil Capacity**

- 11.4 litres / 10 imperial quarts / 12 U.S. quarts maximum

**Control Surface Movements**

- **Wing Flaps:**
  - 0° Up: 8,15,22,32° Down

- **Aileron:**
  - 18° Up: 12° Down

- **Elevator (0° Stab.):**
  - 29.5° Up: 21.5° Down

- **Stabilizer:**
  - 6° Up: 4° Down***

- **Rudder:**
  - 30° Left: 30° Right

*** Up and Down refer to the leading edge of the stabilizer

**Approved Configuration**

The approved configuration is defined by the latest CAA approved revision of the “Master Drawing List”, Document No. MDL-2C1, or other CAA approved data.

**Serial Numbers Eligible**

- 28 to 59 manufactured by Found Aircraft Canada Inc.
MODEL FBA-2C1 (Bush Hawk) (Cont’d)

Certification Basis

Part 23 of the U. S. Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6 except as follows:

As amended by Amendment 23-7

As amended by Amendment 23-10
23.1524

As amended by Amendment 23-14
23.771, 23.1365

As amended by Amendment 23-17
23.607, 23.675, 23.685, 23.733, 23.1309

As amended by Amendment 23-18
23.959

As amended by Amendment 23-20
23.1301

As amended by Amendment 23-21
23.1353, 23.1541, 23.1559

As amended by Amendment 23-23
23.603, 23.605, 23.863, 23.1545

As amended by Amendment 23-26
23.1529

As amended by Amendment 23-29
23.995, 23.1143

As amended by Amendment 23-33
23.777, 23.779, 23.781

As amended by Amendment 23-34
23.1, 23.853, 23.1165

As amended by Amendment 23-36
23.787

As amended by Amendment 23-41
23.1311, 23.1321

As amended by Amendment 23-42
23.301, 23.331, 23.351, 23.421, 23.423, 23.425, 23.427
23.441, 23.443, 23.677, 23.701, 23.735, 23.831

As amended by Amendment 23-43

As amended by Amendment 23-44
23.562(a), 23.562(e)

As amended by Amendment 23-45
MODEL FBA-2C1 (Bush Hawk) (Cont’d)

Certification Basis (contd)

As amended by Amendment 23-46
23.783, 23.805, 23.807, 23.811
Canadian Aviation Regulations Part V, Airworthiness Manual
Chapter 516, Change 516-06, Volume I, Aircraft Noise, effective 23
November 1999.

Required Equipment

The basic required equipment as prescribed in the
applicable airworthiness requirements (see
Certification Basis), must be installed in the aircraft.

Approved Publications

With 260 HP engine:
CAA Approved Flight Manual AIR 3479 P/N FAC2-M100 dated
November 10, 2000 or later approved revision.

With 300 HP engine:
CAA Approved Flight Manual AIR 3480 P/N FAC2-M300 dated
November 10, 2000 or later approved revision.

With 300 HP engines with Modification 1043:
CAA Approved Flight Manual AIR 3481 P/N FAC2-M400 dated
November 10, 2000 or later approved revision.

With 260 HP or 300 HP engine:
Maintenance Program P/N FAC2-M200.

Optional Equipment

Propeller and Propeller Accessories - (reserved)

Landing Gear
203. Ski Installations
(a) Wipaire/Fluidyne/Federal C3200 skis
Maximum gross weight allowable 3200 lbs. (1451 kg).
Installation and operation in accordance with the latest CAA
approved revisions of Master Drawing List, Document No.
MDL-2C1 and Flight Manual Supplement, P/N M300-S04 or
other CAA approved data.
(b) Wipaire/Fluidyne/Federal C3600 skis
Maximum gross weight allowable 3200 lbs. (1451 kg).
Installation and operation in accordance with the latest CAA
approved revisions of Master Drawing List, Document No.
MDL-2C1 and Flight Manual Supplement, P/N M300-S04 or
other CAA approved data.
MODEL FBA-2C1 (Bush Hawk) (Cont’d)

204. Float Installations

(a) EDO Model 628-2960 Floats, or Model 249A-2870 (modified per EDO drawing X-43521) floats, with 260 HP engine.
   Maximum gross weight allowable 3,200 lbs (1451 kg).
   Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C1 and Flight Manual Supplement, P/N FAC2-M100 or other CAA approved data.

(b) Aerocet Model 3500 Floats, with 260 HP engine.
   Maximum gross weight allowable 3,400 lbs (1542 kg).
   Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C1 and Flight Manual Supplement, P/N FAC2-M100 or other CAA approved data.

(c) Aerocet Model 3500L Floats, with 260 HP engine.
   Maximum gross weight allowable 3,350 lbs (1520 kg).
   Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C1 and Flight Manual Supplement, P/N FAC2-M100 or other CAA approved data.

(d) Aerocet Model 3500 Floats, with 300 HP engine.
   Maximum gross weight allowable 3,500 lbs (1588 kg).
   Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C1 and Flight Manual Supplement, P/N M300-S01 or other CAA approved data.

(e) Aerocet Model 3500L Floats, with 300 HP engine.
   Maximum gross weight allowable 3,500 lbs (1588 kg).
   Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C1 and Flight Manual Supplement, P/N M300-S01 or other CAA approved data.

205. Oversize Tire Installation.

(a) Gar-Aero Wheel Adapters and 8.50-10 Tires with 260 HP or 300 HP engine.
   Maximum gross weight allowable 3,200 lbs (1451 kg).
   Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C1 and Flight Manual Supplement, P/N FAC2-M100 for 260 HP engine equipped aircraft or P/N M300-S02 for 300 HP engine equipped aircraft or other CAA approved data.
MODEL FBA-2C1 (Bush Hawk) (Cont’d)

**Electrical Equipment** - (reserved)

**Interior Equipment**

(a) Height Adjustable Front Seats
   Installation in accordance with the latest CAA approved revision of “Master Drawing List”, Document No. MDL-2C1 or other CAA approved data.

(b) Individual Rear Seats
   Installation and operation in accordance with the latest CAA approved revision of “Master Drawing List”, Document No. MDL-2C1 and Flight Manual Supplement, P/N FAC2-M111 or other CAA approved data.

**Miscellaneous**

Model FBA-2C1 aircraft modified per Found Aircraft Canada Inc. Mod 1043 are structurally and functionally equivalent to the FBA-2C2 and may be equipped and operated with the optional equipment listed in Section 3. These aircraft must be operated in accordance with CAA Approved Flight Manual AIR 3481 flight manual P/N FAC2-M400.
3. **MODEL FBA-2C2 (Bush Hawk XP) (Normal Category) Approved May 17, 2004**

This model is the 300 HP version of the FBA-2C1 modified to have Fowler-type slotted flaps in place of the original plain flaps.

**Engine**
- Lycoming IO-540-L1C5 (300 HP)

**Engine Limits**
- Maximum 2700 r.p.m. for all operations

**Propeller and Propeller Limits**
1. Hartzell 3-blade variable pitch HC-C3YR-1RF/F8068
   - Diameter: Maximum 82 ins., Minimum 81 ins.
   - Pitch setting at Station 30.0: Low 12.3°
   - High 31.0°
   - Constant Speed Governor, Hartzell V5-4

2. Hartzell 3-blade variable pitch HC-C3YR-1RF/F8468A-2R
   - Diameter: Maximum 84 ins., Minimum 83 ins.
   - Pitch setting at Station 30.0: Low 10.3°
   - High 31.0°
   - Constant Speed Governor, Hartzell V5-4

**Airspeed Limits (CAS)**
- $V_{NE}$ (Never Exceed) 158 182
- $V_A$ (Manoeuvring) 114 131
- $V_{NO}$ (Max. Structural Cruise) 140 161
- $V_{FE}$ (Flaps Extended) 115 132

**C.G. Range**

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<th><strong>Fwd. Limit</strong></th>
<th><strong>Aft Limit</strong></th>
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<td>Gross Weight</td>
<td>+20.5 in.</td>
<td>+24.5 in.</td>
</tr>
<tr>
<td>3500 lbs. (1588 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2750 lbs. (1247 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950 lbs. (885 kg)</td>
<td></td>
<td></td>
</tr>
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Straight line variation between points

<table>
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<tr>
<th><strong>Seaplane</strong></th>
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<th><strong>Aft Limit</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Weight</td>
<td>+20.5 in.</td>
<td>+23.5 in.</td>
</tr>
<tr>
<td>3800 lbs. (1724 kg) ***</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2750 lbs. (1247 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2250 lbs. (1021 kg)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Straight line variation between points

***Gross weight and C of G limits may vary depending on the option installed. See the Optional Equipment section for specific float installations.

All versions: See Note 2.
MODEL FBA-2C2 (Bush Hawk XP) (Cont’d)

Datum
Landplane: Main wheel axle
Seaplane: Lower forward corner of the front door

Maximum
Weight
Landplane 3,500 lbs. (1588 kg)
Seaplane 3,800 lbs. (1724 kg) ***
*** Gross weight and C of G limits may vary depending on the option installed.

Maximum Occupants
5, including pilot. (2 at +17.8 in., and 3 at +62 in.)

Fuel Capacity
At +21.8 in.
Usable 372 81.9 98.3
Unusable 6 1.4 1.7
Total 378 83.3 100.0

Oil Capacity
11.4 litres / 10 imperial quarts / 12 U.S. quarts maximum

Control Surface Movements
Wing Flaps 0° Up 30° Down
Aileron 18° Up 12° Down
Elevator (0° Stab.) 29.5° Up 21.5° Down
Stabilizer 3° Up *** 5° Down ***
Rudder 24° Left 24° Right
*** Up and Down refer to the leading edge of the stabilizer

Approved Configuration
The approved configuration is defined by the latest CAA approved revision of the “Master Drawing List”, Document No. MDL-2C2, or other CAA approved data.

Serial Numbers Eligible
100 – 105 manufactured by Found Aircraft Canada Inc.

Certification Basis
Same as Section 2 (FBA-2C1) except for:
As amended by Amendment 23-7
23.49, 23.141, 23.207, 23.867
As amended by Amendment 23-11
23.1397, 23.1401
As amended by Amendment 23-23
23.345, 23.723
As amended by Amendment 23-36
23.2
As amended by Amendment 23-43
23.1305, 23.1307, 23.1365, 23.1387, 23.1389, 23.1391, 23.1393, 23.1395, 23.1431
As amended by Amendment 23-45
23.25, 23.207, 23.473

MODEL FBA-2C2 (Bush Hawk XP) (Cont’d)

Required Equipment

The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis), must be installed in the aircraft.

Approved Publications

CAA Approved Flight Manual AIR 3481 P/N FAC2-M400 dated December 09, 2003, or later approved revision.

Maintenance Program P/N FAC2-M200.

Optional Equipment

Propeller and Propeller Accessories - (reserved)

Landing Gear

203. Ski Installations

(a) Wipaire/Fluidyne/Federal C3200 skis

Maximum gross weight allowable 3200 lbs. (1452 kg).

Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S05 or other CAA approved data.

(b) Wipaire/Fluidyne/Federal C3600 skis

Maximum gross weight allowable 3500 lbs. (1587 kg).

Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S06 or other CAA approved data.

204. Float Installations

(a) Aerocet Model 3500 floats

Maximum gross weight allowable 3600 lbs. (1633 kg).

Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S02 or other CAA approved data.

(b) Aerocet Model 3500L floats

Maximum gross weight allowable 3800 lbs. (1724 kg).

Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S01 or other CAA approved data.
### Optional Equipment (Cont’d)

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(c) Aerocet Model 3400 amphibious floats</td>
<td>Maximum gross weight allowable 3775 lbs. (1712 kg). Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S10 or other CAA approved data.</td>
</tr>
<tr>
<td>(d) Wipaire 3450 amphibious floats</td>
<td>Maximum gross weight allowable 3700 lbs. (1678 kg). Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S09 or other CAA approved data.</td>
</tr>
<tr>
<td>(e) Wipaire 3450 seaplane floats</td>
<td>Maximum gross weight allowable 3700 lbs. (1678 kg). Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S08 or other CAA approved data.</td>
</tr>
</tbody>
</table>

### 205. Oversize Tire Installation

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Gar-Aero Wheel Adapters and 8.50-10 Tires</td>
<td>Maximum gross weight allowable 3500 lbs. (1587 kg). Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement, P/N M400-S03 or other CAA approved data.</td>
</tr>
</tbody>
</table>

**Electrical Equipment** - (reserved)

**Interior Equipment**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Height Adjustable Front Seats</td>
<td>Installation in accordance with the latest CAA approved revision of Master Drawing List, Document No. MDL-2C2 or other CAA approved data.</td>
</tr>
<tr>
<td>(b) Individual Rear Seats</td>
<td>Installation and operation in accordance with the latest CAA approved revision of Master Drawing List, Document No. MDL-2C2 and Flight Manual Supplement P/N M400-S07 or other CAA approved data.</td>
</tr>
</tbody>
</table>

**Miscellaneous** (Not listed above) – (reserved)
4. **MODEL FBA-2C3 (Expedition E350) (Normal Category)**  
**Approved July 25, 2008**

This model is the 315 HP tricycle landing gear equipped version of the FBA-2C2.

**Engine**

Lycoming IO-580-B1A (315 HP)

**Engine Limits**

Maximum 2700 r.p.m. for all operations

**Propeller and Propeller Limits**

Hartzell 3-blade variable pitch HC-C3YR-1RF/F8068

Diameter: Maximum 82 ins., Minimum 81 ins.

Pitch setting at Station 30.0:  
Low 12.3°  
High 31.0°

Constant Speed Governor, Hartzell V5-4

**Airspeed Limits (CAS)**

<table>
<thead>
<tr>
<th>Speed Type</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>V&lt;sub&gt;NE&lt;/sub&gt; (Never Exceed)</td>
<td>188</td>
</tr>
<tr>
<td>V&lt;sub&gt;A&lt;/sub&gt; (Manoeuvring)</td>
<td>117</td>
</tr>
<tr>
<td>V&lt;sub&gt;NO&lt;/sub&gt; (Max. Structural Cruise)</td>
<td>153</td>
</tr>
<tr>
<td>V&lt;sub&gt;FE&lt;/sub&gt; (Flaps Extended)</td>
<td>115</td>
</tr>
</tbody>
</table>

**C.G. Range**

**Landplane**

<table>
<thead>
<tr>
<th>Gross Weight</th>
<th>Fwd. Limit</th>
<th>Aft Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>3800 lbs. (1724 kg)</td>
<td>+20.5 in.</td>
<td>+24.5 in.</td>
</tr>
<tr>
<td>2600 lbs. (1179 kg)</td>
<td>+15.0 in.</td>
<td>+24.5 in.</td>
</tr>
<tr>
<td>2200 lbs. (997 kg)</td>
<td>+15.0 in.</td>
<td>+24.5 in.</td>
</tr>
</tbody>
</table>

Straight line variation between points

**Seaplane**

See the Optional Equipment section for specific float installations.

All versions: See Note 2.
MODEL FBA-2C3 (Expedition E350) (Cont’d)

<table>
<thead>
<tr>
<th>Datum</th>
<th>Landplane: ½” aft of the lower hinge pin on front door.</th>
<th>Seaplane: Same as above.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Weight</td>
<td>Landplane 3,800 lbs. (1724 kg)</td>
<td>Seaplane 3,800 lbs. (1724 kg) ***</td>
</tr>
</tbody>
</table>

*** Gross weight and C of G limits may vary depending on the option installed.

<table>
<thead>
<tr>
<th>Maximum Occupants</th>
<th>5, including pilot. (2 at +17.8 in., and 3 at +62 in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Capacity</td>
<td>At +21.8 in.</td>
</tr>
<tr>
<td></td>
<td>Litres</td>
</tr>
<tr>
<td>Usable</td>
<td>372</td>
</tr>
<tr>
<td>Unusable</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>378</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oil Capacity</th>
<th>10.4 litres / 11 U.S. quarts maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Surface Movements</td>
<td>Wing Flaps: 0° Up 30° Down</td>
</tr>
<tr>
<td></td>
<td>Aileron: 18° Up 12° Down</td>
</tr>
<tr>
<td></td>
<td>Elevator (0° Stab.): 33° Up 22° Down</td>
</tr>
<tr>
<td></td>
<td>Stabilizer: 3° Up*** 5° Down***</td>
</tr>
<tr>
<td></td>
<td>Rudder: 24° Left 28° Right</td>
</tr>
</tbody>
</table>

*** Up and Down refer to the leading edge of the stabilizer

Approved Configuration
The approved configuration is defined by the latest CAA approved revision of the “Master Drawing List”, Document No. MDL-2C3, or other CAA approved data.

Serial Numbers Eligible
300 – 313 manufactured by Found Aircraft Canada Inc.
314 and subsequent manufactured by Pacific Aerospace Ltd.

Certification Basis
Part 23 of the U. S. Federal Aviation Regulations effective February 1, 1965, as amended by 23-1 through 23-6 except as follows:
As amended by Amendment 23-7
23.141, 23.395, 23.505, 23.619, 23.623, 23.625, 23.683,
23.689, 23.726, 23.727, 23.871, 23.954, 23.1147 23.1505
As amended by Amendment 23-10
23.1524
As amended by Amendment 23-11
23.1397, 23.1401
As amended by Amendment 23-14
23.507, 23.509, 23.771, 23.1017, 23.1182
### MODEL FBA-2C3 (Expedition E350) (Cont’d)

MODEL FBA-2C3 (Expedition E350) (Cont’d)

<table>
<thead>
<tr>
<th>Certification Basis (Cont’d)</th>
<th>As amended by Amendment 23-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.3, 23.25, 23.33, 23.45, 23.49, 23.51, 23.53, 23.63, 23.65, 23.69, 23.71, 23.73, 23.75, 23.77, 23.201, 23.203, 23.207, 23.237, 23.1325, 23.1511</td>
<td></td>
</tr>
<tr>
<td>As amended by Amendment 23-50 cont’d</td>
<td></td>
</tr>
<tr>
<td>As amended by Amendment 23-51</td>
<td></td>
</tr>
<tr>
<td>As amended by Amendment 23-52</td>
<td></td>
</tr>
<tr>
<td>23.1305</td>
<td></td>
</tr>
<tr>
<td>As amended by Amendment 23-53</td>
<td></td>
</tr>
<tr>
<td>23.901</td>
<td></td>
</tr>
<tr>
<td>As amended by Amendment 23-54</td>
<td></td>
</tr>
<tr>
<td>23.903</td>
<td></td>
</tr>
<tr>
<td>For aircraft equipped with a Garmin G500, G500TXi or G600 avionics system (which includes a Garmin GNS430W, GNS530W, GTN6XX or GTN7XX Navigator), the additional certification basis, for installation specific items only, is amended to include the following regulations at the amendment level stated:</td>
<td></td>
</tr>
<tr>
<td>23.1303 as amended by Amendment 23-49</td>
<td></td>
</tr>
<tr>
<td>23.1307 as amended by Amendment 23-49</td>
<td></td>
</tr>
<tr>
<td>23.1308 as amended by Amendment 23-57</td>
<td></td>
</tr>
<tr>
<td>23.1431 as amended by Amendment 23-49</td>
<td></td>
</tr>
<tr>
<td>For aircraft equipped with an S-Tec autopilot system, the additional certification basis, for installation specific items only, is amended to include the following regulations at the amendment level stated:</td>
<td></td>
</tr>
<tr>
<td>23.1329 as amended by Amendment 23-49</td>
<td></td>
</tr>
<tr>
<td>23.1335 as amended by Amendment 23-20</td>
<td></td>
</tr>
</tbody>
</table>

**Required Equipment**

The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis), must be installed in the aircraft.

**Approved Publications**

CAA Approved Flight Manual AIR 3654 P/N FM2C3 dated July 25, 2008 or later approved revision.

Maintenance Program P/N FAC2-M200.

**Optional Equipment**

Propeller and Propeller Accessories  - (reserved)
MODEL FBA-2C3 (Expedition E350) (Cont’d)

Optional Equipment Cont’d

Landing Gear

203. Ski Installations – (reserved)

204. Float Installations
   (a) Aerocet Model 3500L and 3500 floats
       Maximum gross weight allowable 3800 lbs. (1724 kg).
       Installation and operation in accordance with the latest CAA
       approved revisions of Master Drawing List, Document No.
       MDL-1273 and Flight Manual Supplement, P/N S02 or other
       CAA approved data.

   (b) Aerocet Model 3400 amphibious floats
       Maximum gross weight allowable 3775 lbs. (1712 kg).
       Installation and operation in accordance with the
       latest CAA approved revisions of Master Drawing
       List, Document No. MDL-1272 and Flight Manual Supplement, P/N S01 or other CAA
       approved data.

205. Oversize Tire Installation – (reserved)
5. MODEL FBA-2C4 (Normal Category) Approved June 5, 2012

This model is a tail wheel landing gear version of the FBA-2C3.

**Engine**  
Lycoming IO-580-B1A (315 HP)

**Engine Limits**  
Maximum 2700 r.p.m. for all operations

**Propeller and Propeller Limits**  
Hartzell 3-blade variable pitch HC-C3YR-1RF/F8068  
Diameter: Maximum 82 ins., Minimum 81 ins.  
Pitch setting at Station 30.0:  
   - Low 12.3°  
   - High 31.0°  
Constant Speed Governor, Hartzell V-5-4

**Airspeed Limits (CAS)**  

<table>
<thead>
<tr>
<th>Knots</th>
</tr>
</thead>
</table>
| $V_{NE}$ (Never Exceed) | 188  
| $V_{A}$ (Manoeuvring) | 117  
| $V_{NO}$ (Max. Structural Cruise) | 153  
| $V_{FE}$ (Flaps Extended) | 115

**C.G. Range**

<p>| Landplane |</p>
<table>
<thead>
<tr>
<th>Gross Weight</th>
<th>Fwd. Limit</th>
<th>Aft Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>3800 lbs. (1724 kg)</td>
<td>+20.5 in.</td>
<td>+24.5 in.</td>
</tr>
<tr>
<td>2600 lbs. (1179 kg)</td>
<td>+15.0 in.</td>
<td>+24.5 in.</td>
</tr>
<tr>
<td>2200 lbs. (997 kg)</td>
<td>+15.0 in.</td>
<td>+24.5 in.</td>
</tr>
</tbody>
</table>

Straight line variation between points

**Seaplane**  
See the Optional Equipment section for specific float installations.

**Datum**  
Landplane: $\frac{1}{2}$“ aft of the lower hinge pin on front door.  
Seaplane: Same as above.

**Maximum Weight**  
Landplane 3,800 lbs. (1724 kg)  
Seaplane 3,800 lbs. (1724 kg) ***

*** Gross weight and C of G limits may vary depending on the option installed.

**Maximum Occupants**  
5, including pilot. (2 at +17.8 in., and 3 at +62 in.)
Model FBA-2C4 (Cont’d)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable</td>
<td>372</td>
<td>98.3</td>
<td></td>
</tr>
<tr>
<td>Unusable</td>
<td>6</td>
<td>1.7</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>378</td>
<td>100.0</td>
<td></td>
</tr>
</tbody>
</table>

Oil Capacity 10.4 litres / 11 U.S. quarts maximum

Control Surface Movements

<table>
<thead>
<tr>
<th>Surface</th>
<th>Movements</th>
<th>°</th>
<th>Up</th>
<th>°</th>
<th>Down</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Flaps</td>
<td>0</td>
<td>Up</td>
<td>30</td>
<td>Down</td>
<td></td>
</tr>
<tr>
<td>Aileron</td>
<td>18</td>
<td>Up</td>
<td>12</td>
<td>Down</td>
<td></td>
</tr>
<tr>
<td>Elevator (0° Stab.)</td>
<td>33</td>
<td>Up</td>
<td>22</td>
<td>Down</td>
<td></td>
</tr>
<tr>
<td>Stabilizer</td>
<td>30°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up***</td>
<td>5°</td>
<td>Down***</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rudder</td>
<td>24°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Left</td>
<td>28°</td>
<td>Right</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*** Up and Down refer to the leading edge of the stabilizer

Approved Configuration

The approved configuration is defined by the latest CAA approved revision of the “Master Drawing List”, Document No. MDL-2C4, or other CAA approved data.

Serial Numbers Eligible

4000 manufactured by Found Aircraft Canada Inc.

Certification Basis

Same as in Section 4 (FBA-2C3), with the addition of the following requirement:
23.497 Supplementary conditions for tail wheels (Amdt. 23-48)

Required Equipment

The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis), must be installed in the aircraft.

Approved Publications

CAA Approved Flight Manual AIR 3482 P/N FM2C4 dated December 31, 2011 or later approved revision.

Maintenance Program P/N FAC2-M200.

Optional Equipment

Propeller and Propeller Accessories - (reserved)

Landing Gear

203. Ski Installations – (reserved)
204. Float Installations

(a) Aerocet Model 3500L and 3500 floats
Maximum gross weight allowable 3800 lbs. (1724 kg).
Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-1273 and Flight Manual Supplement, P/N S02 or other CAA approved data.
MODEL FBA-2C4 (Cont’d)

(b) Aerocet Model 3400 amphibious floats
Maximum gross weight allowable 3775 lbs. (1712 kg).
Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-1272 and Flight Manual Supplement, P/N S01 or other CAA approved data.

205. Oversize Tire Installations
(a) Alaskan Bushwheel Tires, 26” (P/N 26126) and 29” (P/N 29136)
Maximum gross weight allowable 3800 lbs. (1724 kg).
Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C4 and Flight Manual AIR 3482 P/N FM2C4 or other CAA approved data.

(b) Alaskan Bushwheel 10” Wheels (P/N ABI-1010) with 8.50-10 or 29x11-10 Tires
Maximum gross weight allowable 3800 lbs. (1724 kg).
Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C4 and Flight Manual AIR 3482 P/N FM2C4 or other CAA approved data.
6. **MODEL FBA-2C3T (Normal Category)**  
   Approved June 5, 2012

This model is the 300 HP turbocharged engine equipped version of the FBA-2C3.

**Engine**  
Lycoming TIO-540-AH1A (300 HP)

**Engine Limits**  
Maximum 2500 r.p.m. for all operations

**Propeller and Propeller Limits**  
Hartzell 3-blade variable pitch HC-C3YR-1RF/F8068+2  
Diameter: Maximum 84 ins., Minimum 83 ins.  
Pitch setting at Station 30.0:  
- Low 12.3°  
- High 41.5°

**Airspeed Limits**  
(Knots)  
- \( V_{NE} \) (Never Exceed): 188 from S/L to 14,000 ft MSL  
  Linearly reducing from 188 @ 14,000 ft to 150 @ 25,000 ft.  
- \( V_{A} \) (Manoeuvring): 117  
- \( V_{NO} \) (Max. Structural Cruise): 153 from S/L to 14,000 ft MSL  
  Linearly reducing from 153 @ 14,000 ft to 122 @ 25,000 ft.  
- \( V_{FE} \) (Flaps Extended): 115

**C.G. Range**  
**Landplane**  
- Gross Weight  
  - 3800 lbs. (1724 kg)  
  - 2600 lbs. (1179 kg)  
  - 2200 lbs. (997 kg)  
  Straight line variation between points  
- Fwd. Limit: +20.5 in.  
- Aft Limit: +24.5 in.

**Seaplane**  
See the Optional Equipment section for specific float installations.

All versions: See Note 2.

**Datum**  
- Landplane: ½” aft of the lower hinge pin on front door.  
- Seaplane: Same as above.

**Maximum Weight**  
- Landplane: 3,800 lbs. (1724 kg)  
- Seaplane: 3,800 lbs. (1724 kg) ***

*** Gross weight and C of G limits may vary depending on the option installed.

**Maximum Occupants**  
5, including pilot. (2 at +17.8 in., and 3 at +62 in.)
MODEL FBA-2C3T (Cont’d)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable</td>
<td>372</td>
<td>98.3</td>
<td></td>
</tr>
<tr>
<td>Unusable</td>
<td>6</td>
<td>1.7</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>378</td>
<td>100.0</td>
<td></td>
</tr>
</tbody>
</table>

Oil Capacity 10.4 litres / 11 U.S. quarts maximum

Control Surface Movements

<table>
<thead>
<tr>
<th>Movement</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Flaps</td>
<td>0° Up 30° Down</td>
</tr>
<tr>
<td>Aileron</td>
<td>18° Up 12° Down</td>
</tr>
<tr>
<td>Elevator (0° Stab.)</td>
<td>33° Up 22° Down</td>
</tr>
<tr>
<td>Stabilizer</td>
<td>3° Up*** 5° Down***</td>
</tr>
<tr>
<td>Rudder</td>
<td>24° Left 28° Right</td>
</tr>
</tbody>
</table>

*** Up and Down refer to the leading edge of the stabilizer

Approved Configuration The approved configuration is defined by the latest CAA approved revision of the “Master Drawing List”, Document No. MDL-2C3T, or other CAA approved data.

Serial Numbers Eligible NIL manufactured by Found Aircraft Canada Inc.

Certification Basis Same as in Section 4 (FBA-2C3) with the addition of the following requirements:

23.909 Turbocharger systems (Amdt 23-43)
23.939 Powerplant operating characteristics (Amdt 23-42)
23.1441 Oxygen equipment and supply (Amdt 23-43)
23.1443 Minimum mass flow of supplemental oxygen (Amdt. 23-62)
23.1445 Oxygen distribution system (Amdt. 23-62)
23.1447 Equip’t standards for oxygen dispensing units (Amdt. 23-62)
23.1449 Means for determining use of oxygen (Amdt. 23-9)
23.1451 Fire protection for oxygen equipment (Amdt. 23-49)
23.1453 Protection of oxygen equipment from rupture (Amdt. 23-49)

Required Equipment The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis), must be installed in the aircraft.

Approved Publications CAA Approved Flight Manual AIR 3483 P/N FM2C3T dated February 20, 2012 or later approved revision.

Maintenance Program P/N FAC2-M200.
MODEL FBA-2C3T (Cont’d)

Optional Equipment

| Propeller and Propeller Accessories | - (reserved) |

Landing Gear

203. Ski Installations – (reserved)
204. Float Installations – (reserved)
205. Oversize Tire Installation – (reserved)
7. **MODEL FBA-2C4T (Normal Category)** Approved June 5, 2012

This model is the 300 HP turbocharged engine equipped version of the FBA-2C4.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td>Lycoming TIO-540-AH1A (300 HP)</td>
</tr>
<tr>
<td><strong>Engine Limits</strong></td>
<td>Maximum 2500 r.p.m. for all operations</td>
</tr>
<tr>
<td><strong>Propeller and</strong></td>
<td>Hartzell 3-blade variable pitch HC-C3YR-1RF/F8068+2</td>
</tr>
<tr>
<td><strong>Propeller Limits</strong></td>
<td>Diameter: Maximum 84 ins., Minimum 83 ins.</td>
</tr>
<tr>
<td></td>
<td>Pitch setting at Station 30.0: Low 12.3° High 41.5°</td>
</tr>
<tr>
<td><strong>Airspeed Limits (CAS)</strong></td>
<td><strong>Knots</strong></td>
</tr>
<tr>
<td><strong>V_NE</strong> (Never Exceed)</td>
<td>188 from S/L to 14,000 ft MSL</td>
</tr>
<tr>
<td></td>
<td>Linearly reducing from 188 @ 14,000 ft to 150 @ 25,000 ft.</td>
</tr>
<tr>
<td><strong>V_A</strong> (Manoeuvring)</td>
<td>117</td>
</tr>
<tr>
<td><strong>V_NO</strong> (Max. Structural Cruise)</td>
<td>153 from S/L to 14,000 ft MSL</td>
</tr>
<tr>
<td></td>
<td>Linearly reducing from 153 @ 14,000 ft to 122 @ 25,000 ft.</td>
</tr>
<tr>
<td><strong>V_FE</strong> (Flaps Extended)</td>
<td>115</td>
</tr>
<tr>
<td><strong>C.G. Range</strong></td>
<td><strong>Landplane</strong></td>
</tr>
<tr>
<td><strong>Gross Weight</strong></td>
<td>Fwd. Limit  Aft Limit</td>
</tr>
<tr>
<td>3800 lbs. (1724 kg)</td>
<td>+20.5 in.  +24.5 in.</td>
</tr>
<tr>
<td>2600 lbs. (1179 kg)</td>
<td>+15.0 in.  +24.5 in.</td>
</tr>
<tr>
<td>2200 lbs. (997 kg)</td>
<td>+15.0 in.  +24.5 in.</td>
</tr>
<tr>
<td>Straight line variation between points</td>
<td></td>
</tr>
</tbody>
</table>

**Seaplane**
See the Optional Equipment section for specific float installations.

All versions: See Note 2.

**Datum**
- **Landplane**: ½” aft of the lower hinge pin on front door.
- **Seaplane**: Same as above.

**Maximum Weight**
- **Landplane**: 3,800 lbs. (1724 kg)
- **Seaplane**: 3,800 lbs. (1724 kg) ***

*** Gross weight and C of G limits may vary depending on the option installed.
**MODEL FBA-2C4T (Cont’d)**

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Occupants</strong></td>
<td>5, including pilot. (2 at +17.8 in., and 3 at +62 in.)</td>
</tr>
<tr>
<td><strong>Fuel Capacity</strong></td>
<td>At +21.8 in.</td>
</tr>
<tr>
<td>Usable</td>
<td>Litres</td>
</tr>
<tr>
<td></td>
<td>372</td>
</tr>
<tr>
<td>Unusable</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>378</td>
</tr>
<tr>
<td><strong>Oil Capacity</strong></td>
<td>10.4 litres / 11 U.S. quarts maximum</td>
</tr>
<tr>
<td><strong>Control Surface</strong></td>
<td>Wing Flaps</td>
</tr>
<tr>
<td>Aileron</td>
<td>18° Up 12° Down</td>
</tr>
<tr>
<td>Elevator (0° Stab.)</td>
<td>33° Up 22° Down</td>
</tr>
<tr>
<td>Stabilizer</td>
<td>3° Up*** 5° Down***</td>
</tr>
<tr>
<td>Rudder</td>
<td>24° Left 28° Right</td>
</tr>
</tbody>
</table>

*** Up and Down refer to the leading edge of the stabilizer

**Approved Configuration**
The approved configuration is defined by the latest CAA approved revision of the “Master Drawing List”, Document No. MDL-2C4T, or other CAA approved data.

**Serial Numbers Eligible**
NIL manufactured by Found Aircraft Canada Inc.

**Certification Basis**
Same as in Section 4 (FBA-2C3) with the addition of the following requirements:
- 23.497 Supplementary conditions for tail wheels (Amdt. 23-48)
- 23.909 Turbocharger systems (Amdt 23-43)
- 23.939 Powerplant operating characteristics (Amdt 23-42)
- 23.1441 Oxygen equipment and supply (Amdt 23-43)
- 23.1443 Minimum mass flow of supplemental oxygen (Amdt. 23-62)
- 23.1445 Oxygen distribution system (Amdt. 23-62)
- 23.1447 Equip’t standards for oxygen dispensing units (Amdt. 23-62)
- 23.1449 Means for determining use of oxygen (Amdt. 23-9)
- 23.1451 Fire protection for oxygen equipment (Amdt. 23-49)
- 23.1453 Protection of oxygen equipment from rupture (Amdt. 23-49)

**Required Equipment**
The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis), must be installed in the aircraft.

**Approved Publications**
- CAA Approved Flight Manual AIR 3484 P/N FM2C4T dated February 20, 2012 or later approved revision.
- Maintenance Program P/N FAC2-M200.
### MODEL FBA-2C4T (Cont’d)

#### Optional Equipment

<table>
<thead>
<tr>
<th>Propeller and Propeller Accessories</th>
<th>(reserved)</th>
</tr>
</thead>
</table>

#### Landing Gear

203. Ski Installations– (reserved)

204. Float Installations– (reserved)

#### Optional Equipment (Cont’d)

<table>
<thead>
<tr>
<th>205. Oversize Tire Installations</th>
</tr>
</thead>
</table>

(a) Alaskan Bushwheel Tires, 26” (P/N 26126) and 29” (P/N 29136)

Maximum gross weight allowable 3800 lbs. (1724 kg).

Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C4 and Flight Manual AIR 3484 P/N FM2C4 or other CAA approved data.

(b) Alaskan Bushwheel 10” Wheels (P/N AB1-1010) with 8.50-10 or 29x11-10 Tires

Maximum gross weight allowable 3800 lbs. (1724 kg).

Installation and operation in accordance with the latest CAA approved revisions of Master Drawing List, Document No. MDL-2C4 and Flight Manual AIR 3484 P/N FM2C4T or other CAA approved data.
**DATA PERTINENT TO ALL MODELS EXCEPT AS INDICATED**

<table>
<thead>
<tr>
<th>Fuel</th>
<th>Model FBA-2C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>91/96 Minimum Grade Aviation Gasoline</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Leveling Means</th>
<th>Aircraft cabin floor level - laterally and longitudinally.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Maximum Baggage</th>
<th>Model FBA-2C</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 lbs. (68 kg) at 92.5 in.</td>
<td>Refer to Flight Manual as listed in Approved Publications.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Baggage</th>
<th>Models FBA-2C1, -2C2, -2C3, -2C3T, -2C4 &amp; -2C4T</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 lbs. (113 kg) at 94 in.</td>
<td>Refer to Flight Manual as listed in Approved Publications.</td>
</tr>
</tbody>
</table>

**NOTE 1**

This type certificate has been issued on the basis of Canadian Department of Transport Type Certificate A-67 Issue 15 dated 05 June 2012 and which was transferred to Pacific Aerospace Ltd on 23 November 2017 from Found Aircraft Canada Inc., Parry Sound, Ontario, Canada.

Upon transfer of the type certificate New Zealand became state-of-design and Pacific Aerospace Ltd assumed responsibility for continuing airworthiness of all aircraft eligible under this type certificate.

**NOTE 2**

(a) Current weight and balance report including list of equipment included in the certificated weight empty, and loading instructions when necessary, must be in each aircraft at the time of original certification and at all times thereafter.

(b) The certificated empty weight and corresponding centre of gravity locations must include unusable fuel.

- FBA-2C: 7.5 lbs. (+20.75 in.)
- FBA-2C1 Bush Hawk: 10.2 lbs. (+21.8 in.)
- FBA-2C2 Bush Hawk XP: 10.2 lbs. (+21.8 in.)
- FBA-2C3 Expedition E350: 10.2 lbs. (+21.8 in.)
- FBA-2C4: 10.2 lbs. (+21.8 in.)
- FBA-2C3T: 10.2 lbs. (+21.8 in.)
- FBA-2C4T: 10.2 lbs. (+21.8 in.)
DATA PERTINENT TO ALL MODELS EXCEPT AS INDICATED (Cont’d)

NOTE 3 The following placards must be displayed in clear view of the pilot:
Model FBA-2C
(a) "THIS AIRPLANE MUST BE OPERATED AS A NORMAL CATEGORY AIRPLANE IN COMPLIANCE WITH THE OPERATING LIMITATIONS IN THE FORM OF PLACARDS, MARKINGS AND MANUAls."

(b) "NO ACROBATIC MANOEUVRES INCLUDING SPINS APPROVED."

Models FBA-2C1, -2C2, -2C3, 2C3T, 2C4 & 2C4T
(a) "The markings and placards installed in this airplane contain operating limitations which must be complied with when operating this airplane in the normal category. Other operating limitations which must be complied with when operating this airplane in this category are contained in the Airplane Flight Manual."

(b) Normal Category:
   “No acrobatic manoeuvres including spins approved.”
(c) “Flight into known icing conditions is prohibited.
   This airplane is certified for the following flight operations:
   DAY – NIGHT – VFR – IFR
   (WITH REQUIRED EQUIPMENT)"

- END -