Bell 412CF with BLR FastFin® System

NOTE: ALLOWABLE GROSS WEIGHTS OBTAINED FROM THIS CHART MAY EXCEED HOVER CAPABILITY UNDER CERTAIN AMBIENT CONDITIONS. REFER TO HOVER CEILING CHARTS IN SECTION 4.

Figure 1-1. Weight-altitude-temperature limitations chart - Takeoff, landing, and IGE maneuvers

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Figure 1-2. Maximum speed chart – Sideward and rearward flight, crosswind and tailwind at a hover
Section 6 – Weight and Balance

Note all items remain as in the basic Flight Manual except the following:

The BLR FastFin™ System adds 3.8 lb to the empty weight of the helicopter when installed. Revise the rotorcraft equipment list and weight and balance using the following data:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Weight</th>
<th>Arm</th>
<th>Moment</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLR 412 S&amp;FF Kit</td>
<td>3.8</td>
<td>266</td>
<td>1011.4</td>
</tr>
</tbody>
</table>

Section 7 – System Description

No Change from the basic Flight Manual

Section 8 – Supplemental Performance Data

8.15. Weight-altitude-temperature

Figure 8-1 shows the WAT (Weight-altitude-temperature) limits for OGE (out of ground effect) and IGE (in ground effect) conditions. Figure 8-1, Sheet 1 defines the OGE gross weight limits for all wind azimuths. Figure 8-1, Sheet 2 defines the IGE gross weight limits for all wind azimuths. These gross weight limits should not be exceeded even when the maximum gross weight for the hovering charts (refer to Figure 8 of Section 8 of the basic Flight Manual) indicate higher capabilities.

WAT limits for OGE and IGE operations with 9 passengers or less and winds from -45 degrees to +45 degrees azimuths remain unchanged from the basic Flight Manual.

Section 9 – Handling and Servicing

No Change from the basic Flight Manual