**Freighter Conversion Data Sheet**

The Aeronautical Engineers Inc. (AEI) B737-300SF Cargo Conversion per FAA STC ST01827LA, consists of the installation of a 86"x140" cargo door on the left side of the fuselage, and modification of the main deck to a Class E cargo compartment. After conversion the aircraft can carry ten containers or pallets; the only B737-300SF Freighter with this capability.

AEI's cargo door has earned a reputation of being the most robust and reliable in the conversion industry. The cargo door is hydraulically operated and actuated from the inside of the aircraft by an independent system. Hydraulic pressure is available from two sources; a 28VDC electrically operated hydraulic pump or a manual hand pump. The door control and manual pump are located on the 9g barrier, allowing a single person to operate the door manually.

**Approvals**

United States FAA, European EASA, Chinese CAAC, Brazilian ANAC, Russian & CIS, India Transport Canada, Guernsey, Malaysia CAAM
Main Attributes

- The only ten position B737-300SFFreighter Conversion!
  Can accommodate eight AAA containers and 2 half containers
- Up to 42,900 LB (19,460 KG) Payload (depending on Model & Aircraft Weight Limits)
- Reinforced Floor structure for highest average position weights in industry
- 86" x 140" cargo door
- Dual Vent Door System
- High reliability, 28VDC, independent cargo door hydraulic system
- Cabin windows replaced with lightweight aluminum window plugs
- 9g rigid cargo / smoke barrier with sliding door
- Relocated DFDR for 86" ceiling height throughout cargo compartment, including last position
- Stretch Formed fuselage skins

Freighter Weights and Volumes

<table>
<thead>
<tr>
<th>Standard Gross Weight Aircraft</th>
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<tbody>
<tr>
<td>MTW*</td>
<td>Up to 140,000 LB Max</td>
<td>(63,500 kg)</td>
</tr>
<tr>
<td>MTOW*</td>
<td>Up to 139,500 LB Max</td>
<td>(63,276 kg)</td>
</tr>
<tr>
<td>MZFW*</td>
<td>Up to 109,600 LB Max</td>
<td>(49,710 kg)</td>
</tr>
<tr>
<td>MLW*</td>
<td>Up to 116,600 LB Max</td>
<td>(52,880 kg)</td>
</tr>
<tr>
<td>BEW**</td>
<td>66,700 LB</td>
<td>(30,250 kg)</td>
</tr>
<tr>
<td>Payload***</td>
<td>Up to 42,900 LB Max</td>
<td>(19,460 kg)</td>
</tr>
<tr>
<td>Fuel Capacity</td>
<td>5,311 USG</td>
<td>(20,103 L)</td>
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</tbody>
</table>

*Aircraft as-delivered weights
**Typical BEW after conversion, depends on original aircraft configuration
***Typical Max Payload, depends on aircraft OEW and MZFW

Main Deck Usage Volume

| 8 ULD’s - 88” x 125” + 1 ULD - 53” x 88” x 64” + 1 ULD - 53” x 88” x 64” or 60.4” x 61.5” x 64” or 61.5” x 88” x 64” | 3,860 Ft³ | (109.3 m³) |

Position 2 to 9
88”x125”x82”H CONTAINER

83.75 IN (2.13 M) DOOR OPENING CLEARANCE
66.0 IN (2.18 M) CFII ING HFIGHT

Position 1
53”x88”x64” H Pallet or 53”x88”x64” AEP/AEH

Position 10
53”x88”x64” H Pallet AEP/AEH or 60.4”x61.5” AEK/LD3 or

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