777 Freighter
Airport Compatibility

September, 2007

Specific airport compatibility questions concerning commercial aircraft should be forwarded to:
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AirportTechnology@Boeing.com
This brochure provides airport compatibility data for the 777 Freighter. This information is intended solely for airport planning purposes. All information in this brochure is preliminary and may change during development and testing.

As the newest 777, the 777 Freighter will build upon the family’s extensive use of advanced technologies. The 777 Freighter will fly farther and provide more capacity than any other twin-engine cargo airplane. The 777 Freighter will share the 777 family’s advanced features: state-of-the-art flight deck, fly-by-wire design and an advanced wing design, including raked wing tips. It will be powered by the world’s most powerful commercial jet engine, General Electric’s GE190-110B1. The 777 Freighter will meet QC2 noise standards for maximum accessibility to noise-sensitive airports.

The 777 Freighter is scheduled to enter into service during the fourth quarter of 2008.
## General Airplane Characteristics

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>UNITS</th>
<th>777-200ER</th>
<th>777-200LR</th>
<th>777 Freighter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX DESIGN</td>
<td>POUNDS</td>
<td>658,000</td>
<td>768,000</td>
<td>768,800</td>
</tr>
<tr>
<td>TAXI WEIGHT</td>
<td>KILOGRAMS</td>
<td>298,464</td>
<td>348,359</td>
<td>348,722</td>
</tr>
<tr>
<td>MAX DESIGN</td>
<td>POUNDS</td>
<td>632,500</td>
<td>766,800</td>
<td>766,800</td>
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<tr>
<td>TAKEOFF WEIGHT</td>
<td>KILOGRAMS</td>
<td>286,898</td>
<td>347,815</td>
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<tr>
<td>MAX DESIGN</td>
<td>POUNDS</td>
<td>460,000</td>
<td>492,000</td>
<td>575,000</td>
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<tr>
<td>LANDING WEIGHT</td>
<td>KILOGRAMS</td>
<td>208,653</td>
<td>223,168</td>
<td>260,816</td>
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<tr>
<td>MAX DESIGN ZERO</td>
<td>POUNDS</td>
<td>430,000</td>
<td>461,000</td>
<td>547,000</td>
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<tr>
<td>FUEL WEIGHT</td>
<td>KILOGRAMS</td>
<td>195,045</td>
<td>209,160</td>
<td>248,115</td>
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<tr>
<td>MAXIMUM FUEL CAPACITY</td>
<td>US GALLONS</td>
<td>45,220</td>
<td>53,515 (1)</td>
<td>47,890</td>
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<tr>
<td>MAXIMUM FUEL CAPACITY</td>
<td>LITERS</td>
<td>171,176</td>
<td>202,576 (1)</td>
<td>181,283</td>
</tr>
</tbody>
</table>

(1) INCLUDES OPTIONAL 3 X 1,850-US GAL BODY TANKS IN AFT CARGO COMPARTMENT
Clear opening dimensions

Preliminary
Main Deck Cargo Door Sill Height
208 in (528 cm) minimum
213 in (541 cm) maximum
777 Freighter Cargo Arrangement

Main deck

27 pallets

Forward lower lobe

2,442 ft³

Aft lower lobe

1,628 ft³

Bulk 600 ft³

(22) 96-in x 125-in x 10-ft contoured pallets (690 ft³/19.5 m³)
(4) 96-in x 125-in x 116-in contoured pallets (627 ft³/17.7 m³)
(1) 96-in x 125-in x 8-ft pallet (613 ft³/17.3 m³)
(10) 96-in x 125-in x 64-in pallets (407 ft³/11.5 m³)

Total volume = 22,371 ft³ (633 m³)*

* Excludes bulk

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Preliminary
Main Deck Cargo Arrangements
777 Freighter

12.8 in (33 cm) aisle

(27) 96 x 125 pallets

(11) 96 x 238.5 pallets
(5) 96 x 125 pallets

(17) 96 x 196 pallets
(1) 96 x 125 pallet
Additional pallet locks required

(14) 96 x 125 pallets
or M1 containers

Preliminary
## Landing Gear Footprint
### 777 Freighter

### CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>UNITS</th>
<th>777-200ER</th>
<th>777-200LR</th>
<th>777 FREIGHTER</th>
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<td>348,722</td>
</tr>
<tr>
<td>NOSE GEAR TIRE SIZE</td>
<td>IN.</td>
<td>42X17R18/26PR</td>
<td>43x17.5R17/32PR</td>
<td>43x17.5R17/32PR</td>
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<tr>
<td>NOSE GEAR TIRE PRESSURE</td>
<td>PSI</td>
<td>200</td>
<td>218</td>
<td>218</td>
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<tr>
<td>PRESSURE</td>
<td>KG/CM²</td>
<td>14.06</td>
<td>15.30</td>
<td>15.30</td>
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<tr>
<td>MAIN GEAR TIRE SIZE</td>
<td>IN.</td>
<td>50x20R22/32PR</td>
<td>52x21R22/36PR</td>
<td>52x21R22/36PR</td>
</tr>
<tr>
<td>MAIN GEAR TIRE PRESSURE</td>
<td>PSI</td>
<td>215</td>
<td>218</td>
<td>221</td>
</tr>
<tr>
<td>PRESSURE</td>
<td>KG/CM²</td>
<td>15.12</td>
<td>15.30</td>
<td>15.53</td>
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</table>
Aircraft Classification Number – Flexible Pavement – 777 Freighter

Preliminary

CODE D – CBR 3 (ULTRA LOW)
CODE C – CBR 6 (LOW)
CODE B – CBR 10 (MEDIUM)
CODE A – CBR 15 (HIGH)

NOTES:
1. ACN WAS CALCULATED USING ALPHA FACTORS PROPOSED BY THE ICAO ACN STUDY GROUP
2. TO DETERMINE MAIN LANDING GEAR LOADING, SEE SECTION 7.4
3. PERCENT WEIGHT ON MAIN LANDING GEAR: 91.7
Aircraft Classification Number – Rigid Pavement – 777 Freighter

NOTES:
1. TO DETERMINE MAIN LANDING GEAR LOADING, SEE SECTION 7.4.
2. PERCENT WEIGHT ON MAIN LANDING GEAR: 91.7

CODE D: k=75 (ULTRA LOW)
CODE C: k=150 (LOW)
CODE B: k=300 (MPD/LW)
CODE A: k=550 (HIGH)