DC-8 Freighters
General arrangement

DC-8-54/-55/-61/-71

DC-8-61/-63/-71/-73

DC-8-62/-63/-72/-73

DC-8-54/-55

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DC-8-63/-73 Freighters
Turnaround servicing arrangement

Fuel truck
Loader
Aft airstairs (optional)
Bulk cargo carts
Fuel truck
Engine start
Electrical power cart
Transporter
Main deck cargo carts
**DC-8 Freighters**

**Main deck cargo arrangements**

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**DC-8-50 Series Freighters**

- 13 containers, 88 x 125-in (2.2 x 3.2-m)
- Volume, 162.0 m³ (5,720 ft³)

**DC-8-62/-72 Freighters**

- 14 containers, 88 x 125-in (2.2 x 3.2-m)
- Volume, 174.4 m³ (6,160 ft³)

**DC-8-61/-63/-71/-73 Freighters**

- 18 containers, 88 x 125-in (2.2 x 3.2-m)
- Volume, 224.3 m³ (7,920 ft³)
DC-8 Freighters
Cross section

Main deck side cargo door (LH)
Width: 3.5 m (140 in)
Height: 2.2 m (85 in)

Cargo door (RH)
Forward and aft doors
Height: 0.9 m (36 in)

Width: 3.5 m (140 in)
Height: 2.2 m (85 in)

88 in (223 cm)
125 in (318 cm)
## DC-8-54/-55 Freighters

**Performance summary**

*Pratt & Whitney JT3D-3B engines*

<table>
<thead>
<tr>
<th></th>
<th>DC-8-54AF</th>
<th>DC-8-54CF (cargo mode)</th>
<th>DC-8-55AF</th>
<th>DC-8-55CF (cargo mode)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cargo capacity, m³ (ft³)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main deck, (13) 88- x 125-in (2.2 x 3.2-m) pallets or containers</td>
<td>162.0 (5,720)</td>
<td>162.0 (5,720)</td>
<td>162.0 (5,720)</td>
<td>162.0 (5,720)</td>
</tr>
<tr>
<td>Lower hold bulk</td>
<td>39.4 (1,390)</td>
<td>39.4 (1,390)</td>
<td>39.4 (1,390)</td>
<td>39.4 (1,390)</td>
</tr>
<tr>
<td>Total cargo volume</td>
<td>201.4 (7,110)</td>
<td>201.4 (7,110)</td>
<td>201.4 (7,110)</td>
<td>201.4 (7,110)</td>
</tr>
<tr>
<td>Maximum gross weight, kg (lb)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Takeoff</td>
<td>142,880 (315,000)</td>
<td>142,880 (315,000)</td>
<td>147,420 (325,000)</td>
<td>147,420 (325,000)</td>
</tr>
<tr>
<td>Landing</td>
<td>108,860 (240,000)</td>
<td>108,860 (240,000)</td>
<td>108,860 (240,000)</td>
<td>108,860 (240,000)</td>
</tr>
<tr>
<td>Zero fuel</td>
<td>101,600 (224,000)</td>
<td>101,600 (224,000)</td>
<td>101,600 (224,000)</td>
<td>101,600 (224,000)</td>
</tr>
<tr>
<td>Structural payload (MZFW–OEW)</td>
<td>43,540 (96,000)</td>
<td>41,275 (91,000)</td>
<td>43,540 (96,000)</td>
<td>43,790 (96,550)</td>
</tr>
<tr>
<td>Fuel capacity, L (U.S. gal)</td>
<td>70,880 (18,725)</td>
<td>92,625 (24,470)</td>
<td>92,625 (24,470)</td>
<td>89,867 (23,741)</td>
</tr>
<tr>
<td>Design range (MZFW payload) nmi, (km)</td>
<td>2,250 (4,165)</td>
<td>2,350 (4,350)</td>
<td>2,650 (4,905)</td>
<td>2,600 (4,815)</td>
</tr>
</tbody>
</table>
## DC-8-62 Freighters
### Performance summary

**Pratt & Whitney JT3D-3B engines**

<table>
<thead>
<tr>
<th>Cargo capacity, m³ (ft³)</th>
<th>DC-8-62AF</th>
<th>DC-8-62CF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main deck, (14) 88- x 125-in (2.2 x 3.2-m) pallets or containers</td>
<td>174.4 (6,160)</td>
<td>174.4 (6,160)</td>
</tr>
<tr>
<td>Lower hold bulk</td>
<td>45.7 (1,615)</td>
<td>45.7 (1,615)</td>
</tr>
<tr>
<td>Total cargo volume</td>
<td>220.1 (7,775)</td>
<td>220.1 (7,775)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum gross weight, kg (lb)</th>
<th>DC-8-62AF</th>
<th>DC-8-62CF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Takeoff</td>
<td>151,955 (335,000)</td>
<td>151,955 (335,000)</td>
</tr>
<tr>
<td>Landing</td>
<td>113,395 (250,000)</td>
<td>113,395 (250,000)</td>
</tr>
<tr>
<td>Zero fuel</td>
<td>104,320 (230,000)</td>
<td>104,320 (230,000)</td>
</tr>
<tr>
<td>Structural payload (MZFW–OEW)</td>
<td>42,635 (94,000)</td>
<td>39,915 (88,000)</td>
</tr>
<tr>
<td>Fuel capacity, L (U.S. gal)</td>
<td>94,635 (25,000)</td>
<td>94,635 (25,000)</td>
</tr>
<tr>
<td>Design range (MZFW payload) nmi, (km)</td>
<td>2,800 (5,185)</td>
<td>2,850 (5,275)</td>
</tr>
</tbody>
</table>
# DC-8-61/-71 Freighters

## Performance summary

**Pratt & Whitney JT3D-3B engines, CFM56-2C1 engines**

<table>
<thead>
<tr>
<th>Cargo capacity, m³ (ft³)</th>
<th>DC-8-61CF</th>
<th>DC-8-71CF</th>
</tr>
</thead>
<tbody>
<tr>
<td>(cargo mode)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main deck, (18) 88- x 125-in (2.2 x 3.2-m) pallets or containers</td>
<td>224.3 (7,920)</td>
<td>224.3 (7,920)</td>
</tr>
<tr>
<td>Lower hold bulk</td>
<td>70.8 (2,500)</td>
<td>70.8 (2,500)</td>
</tr>
<tr>
<td>Total cargo volume</td>
<td>295.1 (10,420)</td>
<td>295.1 (10,420)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum gross weight, kg (lb)</th>
<th>DC-8-61CF</th>
<th>DC-8-71CF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Takeoff</td>
<td>148,775 (328,000)</td>
<td>148,775 (328,000)</td>
</tr>
<tr>
<td>Landing</td>
<td>117,025 (258,000)</td>
<td>117,025 (258,000)</td>
</tr>
<tr>
<td>Zero fuel</td>
<td>106,140 (234,000)</td>
<td>106,140 (234,000)</td>
</tr>
<tr>
<td>Structural payload (MZFW–OEW)</td>
<td>39,005 (86,000)</td>
<td>36,875 (81,300)</td>
</tr>
<tr>
<td>Fuel capacity, L (U.S. gal)</td>
<td>89,865 (23,740)</td>
<td>89,865 (23,740)</td>
</tr>
<tr>
<td>Design range (MZFW payload) nmi, (km)</td>
<td>2,200 (4,070)</td>
<td>2,800 (5,185)</td>
</tr>
</tbody>
</table>

*DC-8-71CF.

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## DC-8-63/-73 Freighters
### Performance summary

*Pratt & Whitney JT3D-7* engines, CFM56-2 engines

<table>
<thead>
<tr>
<th>Cargo capacity, m³ (ft³)</th>
<th>DC-8-63AF</th>
<th>DC-8-63CF (cargo mode)</th>
<th>DC-8-73AF</th>
<th>DC-8-73CF (cargo mode)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main deck, (18) 88- x 125-in (2.2 x 3.2-m) pallets or containers</td>
<td>224.3 (7,920)</td>
<td>224.3 (7,920)</td>
<td>224.3 (7,920)</td>
<td>224.3 (7,920)</td>
</tr>
<tr>
<td>Lower hold bulk</td>
<td>70.8 (2,500)</td>
<td>70.8 (2,500)</td>
<td>70.8 (2,500)</td>
<td>70.8 (2,500)</td>
</tr>
<tr>
<td>Total cargo volume</td>
<td>295.1 (10,420)</td>
<td>295.1 (10,420)</td>
<td>295.1 (10,420)</td>
<td>295.1 (10,420)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum gross weight, kg (lb)</th>
<th>DC-8-63AF</th>
<th>DC-8-63CF (cargo mode)</th>
<th>DC-8-73AF</th>
<th>DC-8-73CF (cargo mode)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Takeoff</td>
<td>161,025 (355,000)</td>
<td>161,025 (355,000)</td>
<td>161,025 (355,000)</td>
<td>161,025 (355,000)</td>
</tr>
<tr>
<td>Landing</td>
<td>124,735 (275,000)</td>
<td>124,735 (275,000)</td>
<td>124,735 (275,000)</td>
<td>124,735 (275,000)</td>
</tr>
<tr>
<td>Zero fuel</td>
<td>118,385 (261,000)</td>
<td>118,385 (261,000)</td>
<td>118,385 (261,000)</td>
<td>118,385 (261,000)</td>
</tr>
<tr>
<td>Structural payload (MZFW–OEW)</td>
<td>52,615 (116,000)</td>
<td>49,440 (109,000)</td>
<td>50,710 (111,800)</td>
<td>47,535 (104,800)</td>
</tr>
<tr>
<td>Fuel capacity, L (U.S. gal)</td>
<td>94,635 (25,000)</td>
<td>94,635 (25,000)</td>
<td>94,635 (25,000)</td>
<td>94,635 (25,000)</td>
</tr>
<tr>
<td>Design range (MZFW payload) nmi, (km)</td>
<td>2,400 (4,440)</td>
<td>2,400 (4,440)</td>
<td>2,800 (5,185)</td>
<td>2,800 (5,185)</td>
</tr>
</tbody>
</table>

*DC-8-63F.*
DC-8-54 Freighters
Payload-range capability

Pratt & Whitney JT3D-3B engines

Payload, 1,000 kg (1,000 lb)

Fuel capacity
L (U.S. gal)
DC-8-54AF
70,880 (18,725)
DC-8-54CF
92,625 (24,470)

MTOW
142,880-kg (315,000-lb)

MZFW
101,600-kg (224,000-lb)

Range, 1,000 nmi (1,000 km)
DC-8-55 Freighters
Payload-range capability

Pratt & Whitney JT3D-3B engines

Payload, 1,000 kg (1,000 lb)

Range, 1,000 nmi (1,000 km)

Fuel capacity L (U.S. gal)
DC-8-55AF
89,865 (23,740)

DC-8-55CF
Fuel capacity L (U.S. gal)
92,625 (24,470)

101,600-kg (224,000-lb) MZFW

147,420-kg (325,000-lb) MTOW

147,420-kg (325,000-lb) MTOW

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May 2010
DC-8-62 Freighters
Payload-range capability

**Pratt & Whitney JT3D-3B engines**

**Payload, 1,000 kg (1,000 lb)**

- **DC-8-62CF**
  - MTOW: 151,955 kg (335,000 lb)
- **DC-8-62AF**
  - MTOW: 151,955 kg (335,000 lb)

**Fuel capacity**
- L (U.S. gal):
  - DC-8-62CF: 94,635 (25,000)

**Range, 1,000 nmi (1,000 km)**

- **104,320 kg (230,000 lb) MZFW**
- **151,955 kg (335,000 lb) MTOW**
- **151,955 kg (335,000 lb) MTOW**
DC-8-61/-71 Freighters
Payload-range capability

Pratt & Whitney JT3D-3B engines, CFM56-2C1 engines*

Payload, 1,000 kg (1,000 lb)

Fuel capacity
L (U.S. gal)
89,865 (23,740)

MTOW
DC-8-61CF
148,775-kg (328,000-lb)

MZFW
DC-8-71CF
106,140-kg (234,000-lb)

Range, 1,000 nmi (1,000 km)

*DC-8-71CF.
DC-8-63 Freighters
Payload-range capability

Pratt & Whitney JT3D-7

Payload, 1,000 kg (1,000 lb)

Range, 1,000 nmi (1,000 km)

118,385-kg (261,000-lb) MZFW

DC-8-63AF
161,025-kg (355,000-lb) MTOW

DC-8-63CF
161,025-kg (355,000-lb) MTOW

Fuel capacity
L (U.S. gal)
94,635 (25,000)
DC-8-73 Freighters
Payload-range capability

**CFM56-2 engines**

**Payload, 1,000 kg (1,000 lb)**

- **DC-8-73AF**
  - 161,025-kg (355,000-lb) MTOW
  - 118,385-kg (261,000-lb) MZFW

- **DC-8-73CF**
  - 161,025-kg (355,000-lb) MTOW

**Fuel capacity**
- L (U.S. gal)
  - 94,635 (25,000)

**Range, 1,000 nmi (1,000 km)**

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