

Boeing 747-8F

Freighter specifications

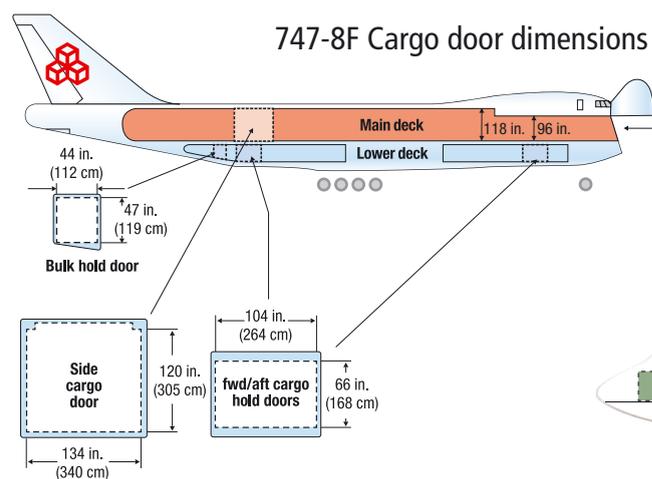
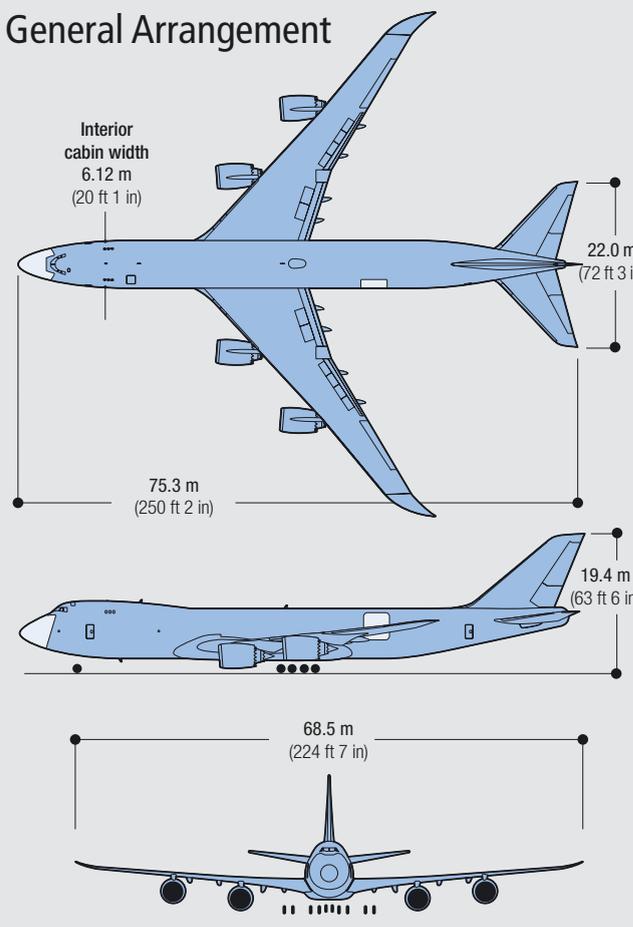
The 747-8 Freighter is Boeing's new large-capacity freighter for the 21st century. Cargolux is a launch customer for this aircraft with 13 units on order. The 747-8 Freighter offers a range of 8,185 km (4,390 nmi) and has 16 percent more cargo volume than the 747-400. With a maximum structural payload capacity of 140 metric tonnes (140,000kg) including tare weight, the 747-8 Freighter offers 16 percent more revenue cargo volume than the 747-400F. The additional 120 cu m (4,245 cu ft) of volume mean that the airplane can accommodate four additional main-deck pallets and three additional lower-hold pallets.

At the same time, the new B747-8Fs will further reduce the fuel consumption as well as the CO₂ emission by 17% and the noise "foot print" by 30%.

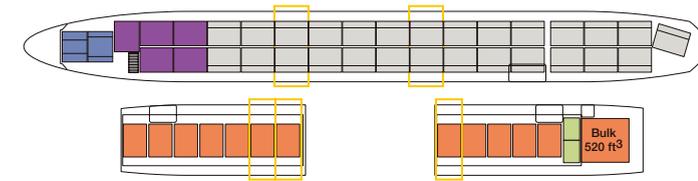
Built as a freighter first, the 747-8F has a remarkable loading flexibility with a large side cargo door and a unique nose door, designed to be loaded quickly and easily, whether it's standard containers and pallets or outsized cargo.



General Arrangement

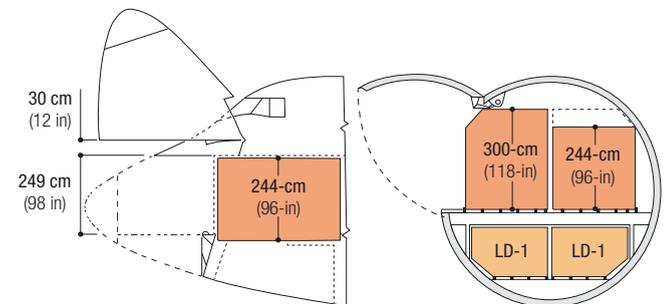


16% More Volume Than the 747-400F



Additional pallets and containers

- (27) 96-in x 125-in x 10-ft contoured pallets, 21.1 m³ (750 ft³)
- (5) 96-in x 125-in x 8-ft contoured pallets, 17.4 m³ (613 ft³)
- (2) 96-in x 125-in x 8-ft contoured pallets, 15.3 + 17.2 m³ (540 + 607 ft³)
- (12) 96-in x 125-in contoured pallets, 11.8 m³ (415 ft³)
- (2) LD-1/3 containers, 5.0 m³ (175 ft³)

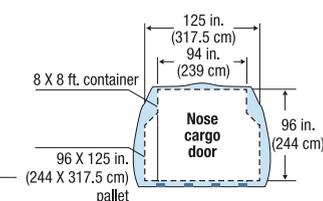


Principal Characteristics

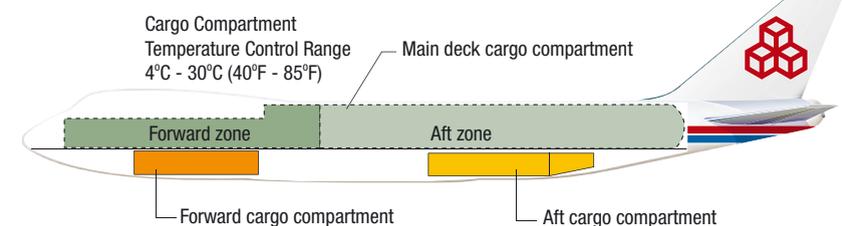
		Basic
Maximum taxi weight	kg (lb)	443,610 (978,000)
Maximum takeoff weight	kg (lb)	442,250 (975,000)
Maximum landing weight	kg (lb)	344,280 (759,000)
Maximum zero fuel weight	kg (lb)	326,130 (719,000)
Maximum payload	kg (lb)	140,590 (309,880) ¹
Fuel capacity	L (U.S. gal)	229,980 (60,755)
Cargo volume	m ³ (ft ³)	858.4 (30,312)
Design range	nmi	4,390
Fuel consumed ²	Liters per 100 tonne-km	11.2
Carbon emissions	g CO ₂ per tonne-km	283.9

¹ includes tare

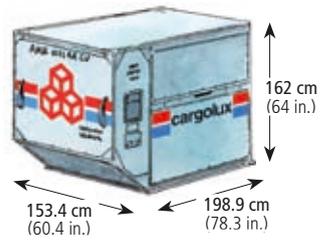
² 3,000-nmi (5,555-km) trip



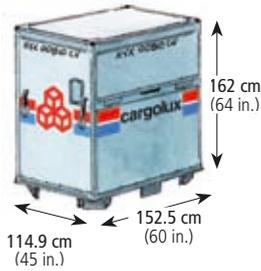
747-8F Temperatur Control



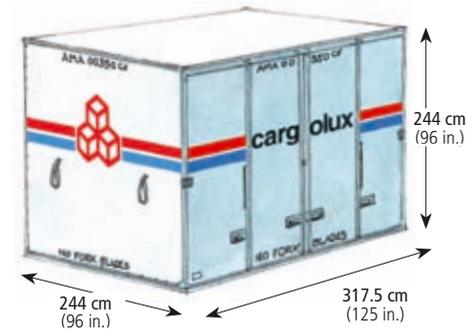
AKE
 MRW* : 1,588 Kg (3,500 lbs)
 Volume : 4.3 m³ (153 ft³)
 GOH** provisions



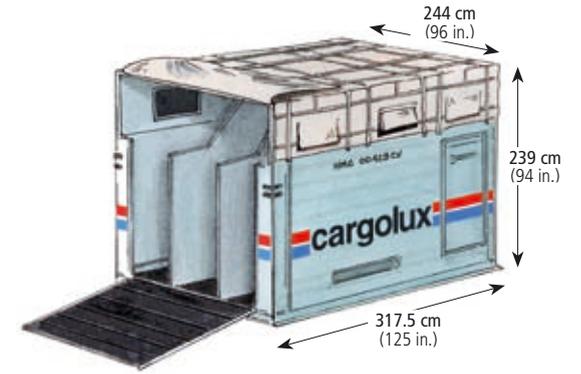
XYX
 MRW* : 750 Kg (1,658 lbs)
 Volume : 2,17 m³ (76.6 ft³)
 GOH** provisions



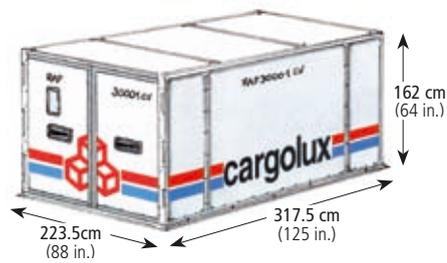
AMA
 MRW* : 6,804 Kg (15,000 lbs)
 Volume : 15,18 m³ (536 ft³)
 GOH** provisions



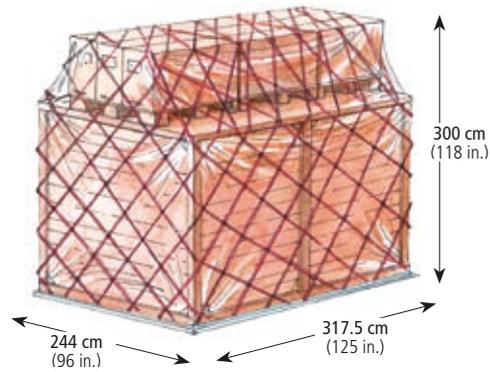
HMC (Collapsible Horse Stall)
 MRW* : 6,804 Kg (15,000 lbs)
 Volume : 10.85 m³ (383 ft³)



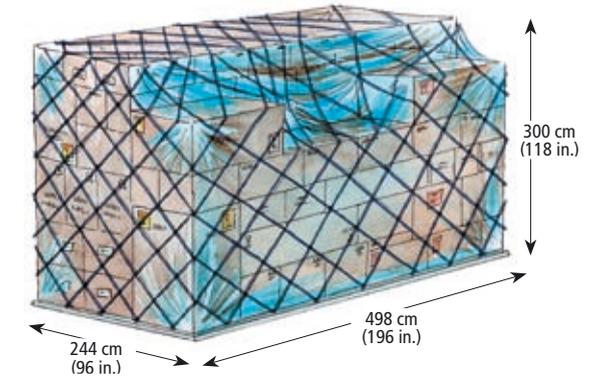
RAP - Cool Container
 MRW* : 6,033 Kg (13,337 lbs) Main Deck
 4,626 Kg (10,226 lbs) Belly
 Volume : 8,2 m³ (302 ft³)



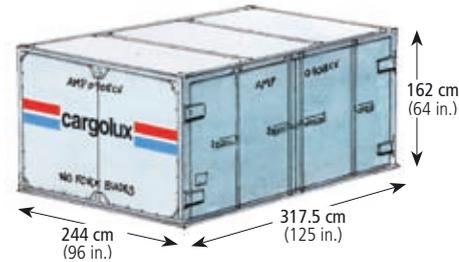
PMC Q7
 MRW* : 6,804 Kg (15,000 lbs) Main Deck
 Volume: up to 19.35 m³ (683 ft³)



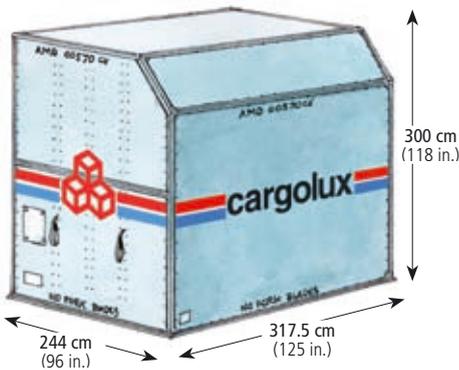
PRF - 16 Ft Pallet
 MRW* : 11,340 Kg (25,000 lbs)
 23,700 Kg (53,317 lbs) with additional restraints on the aircraft
 Volume : 30.3 m³ (1,070 ft³)



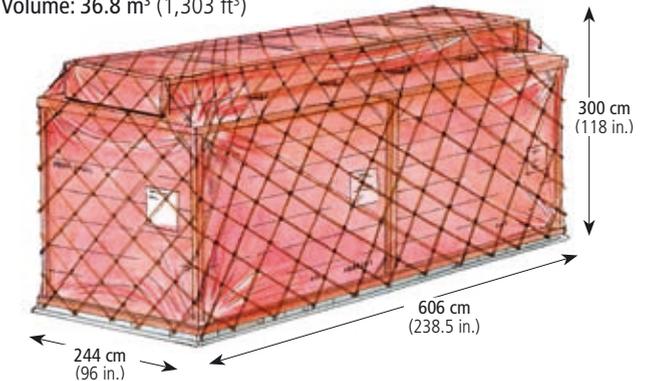
AMP
 MRW* : 6,804 Kg (15,000 lbs) Main Deck
 5,035 Kg (11,100 lbs) Belly
 Volume : 10.85 m³ (382 ft³)
 GOH** provisions



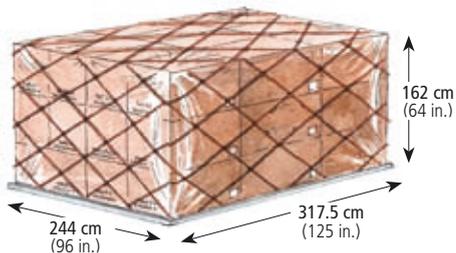
AMD
 MRW* : 6,804 Kg (15,000 lbs)
 Volume: 20,10 m³ (710 ft³)



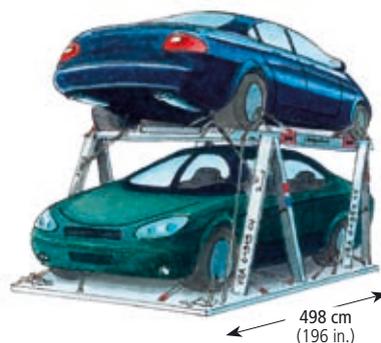
PGF - 20 Ft Pallet
 MRW* : 11,340 Kg (25,000 lbs)
 28,800 Kg (63,490 lbs) with additional restraints on the aircraft
 Volume: 36.8 m³ (1,303 ft³)



PMC Belly
 MRW* : 5,035 Kg (11,100 lbs) Belly
 Volume : up to 10.85 m³ (382 ft³)

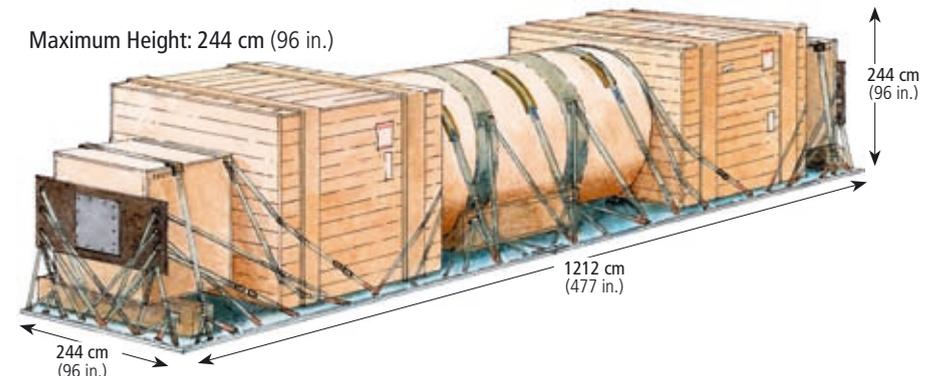


Double Carrack



2 x PGF (2 connected 20 Ft Pallets)
 MRW* : 22,680 Kg (50,000 lbs)
 57,600 Kg (126,984 lbs) with additional restraints on the aircraft
 Volume : 73.8 m³ (2,606 ft³)

Maximum Height: 244 cm (96 in.)



*MRW : Maximum Restrained Weight - **GOH : Garments On Hanger