

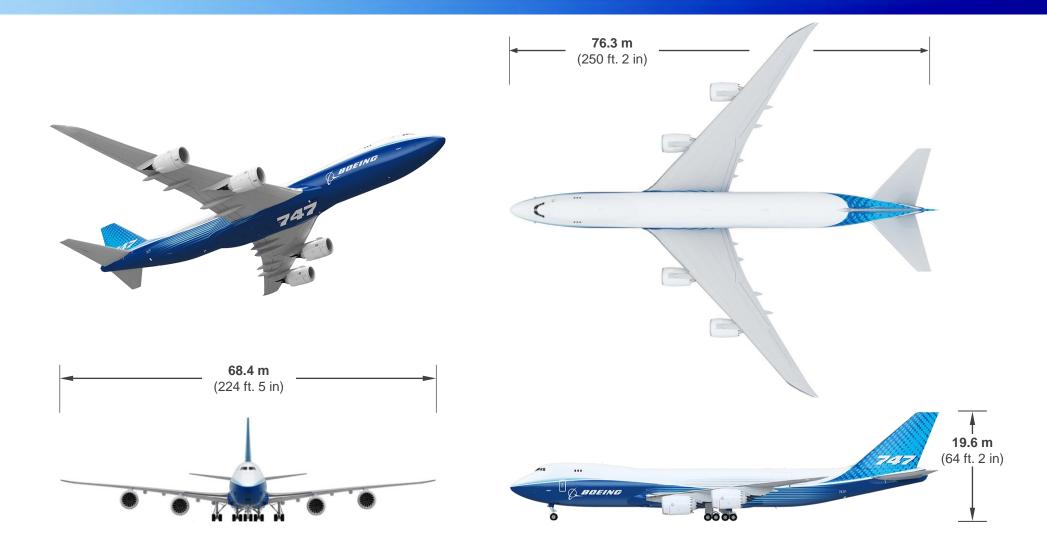
747-8F

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Boeing 747-8F General arrangement

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747-8F and 777F size comparison

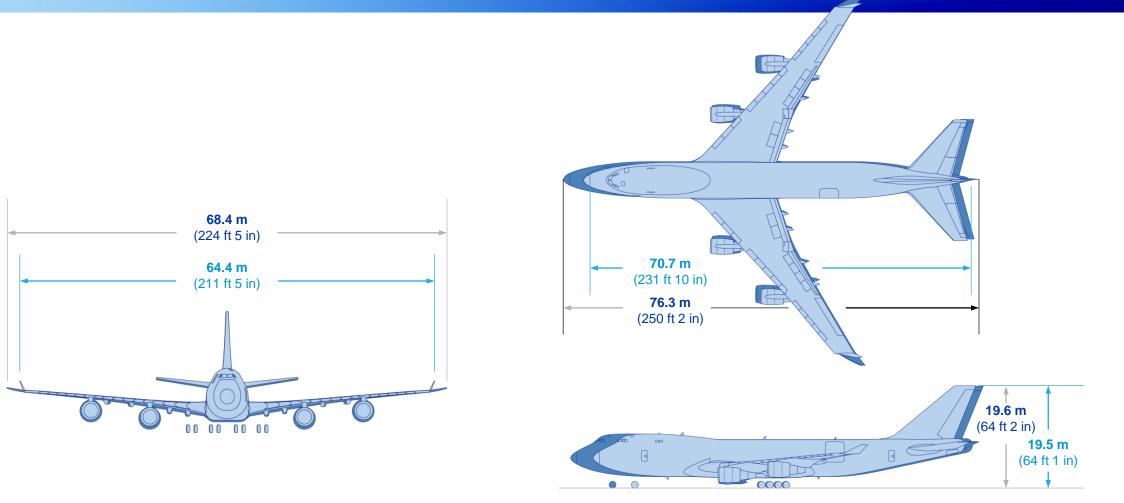
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777F length dimension to H-stab; 747-8F length dimension to V-stab Copyright © 2018 Boeing. All rights reserved.

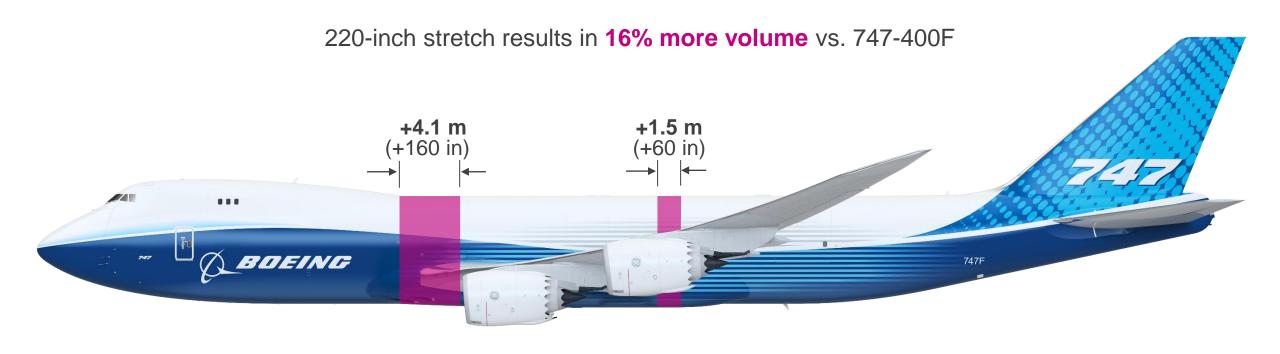
747-8F and 747-400F size comparison





Stretched to accommodate additional payload





additional main deck pallets

additional lower hold pallets

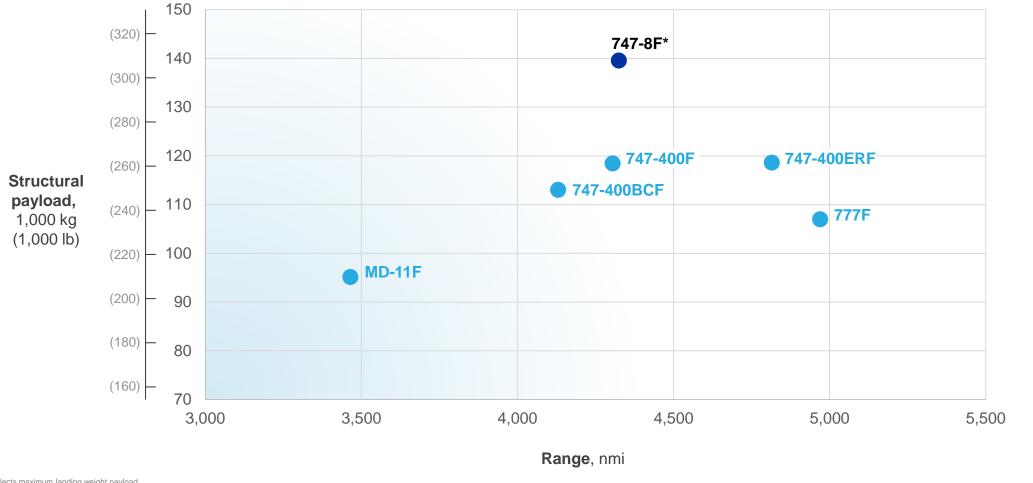
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Compared to 747-400F

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747-8F offers unmatched payload capability

Maximum structural payload



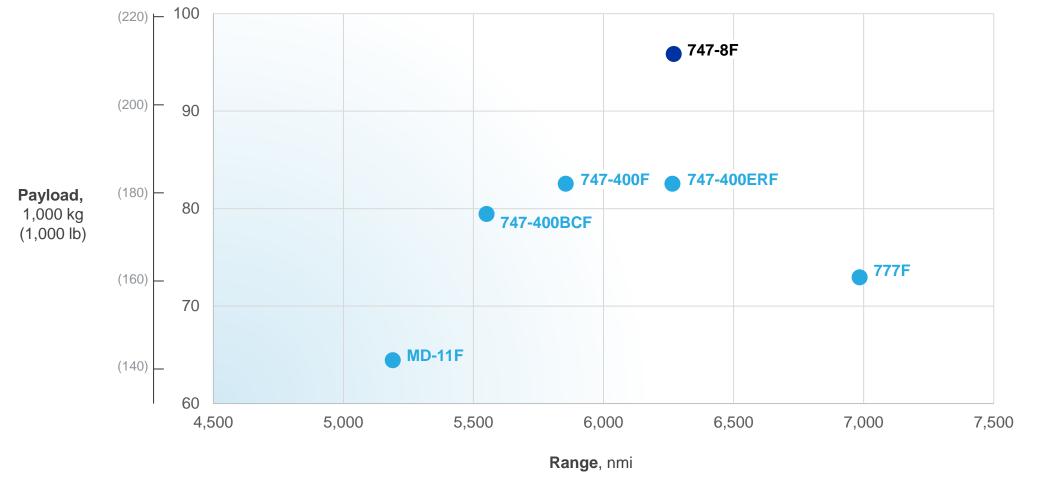
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* Reflects maximum landing weight payload Standard rules Maximum structural payload 3% fuel factor for MD-11F, 747-400F, 747-400ERF, and 747-400BCF

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747-8F offers unmatched payload capability

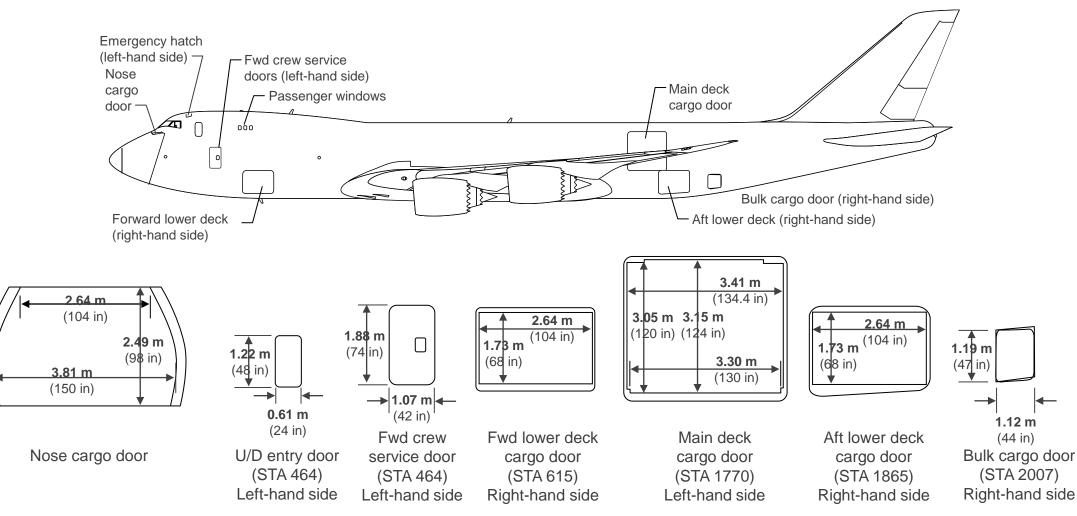
Volume-limited payload



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Standard rules Volume-limited payload at 112 kg/m³ (7 lb/ft³) density 3% fuel factor for MD-11F, 747-400F, 747-400ERF, and 747-400BCF

Boeing 747-8F

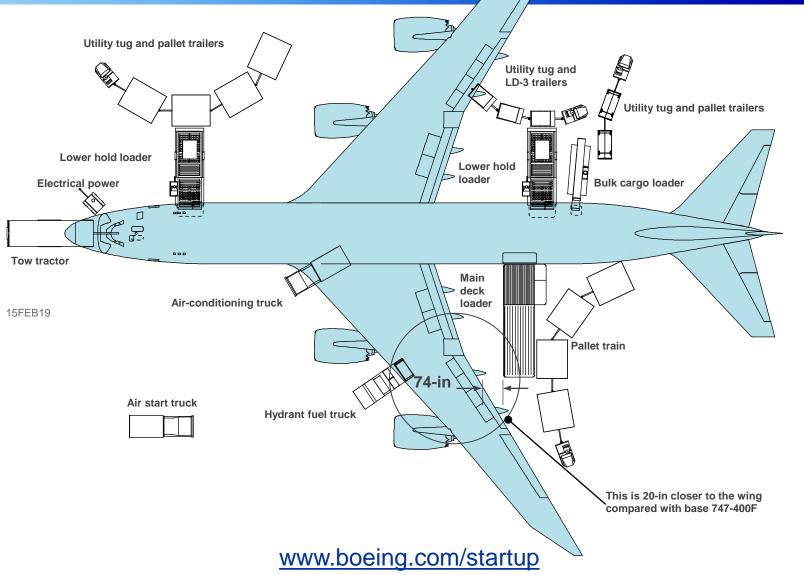


Clear opening dimensions

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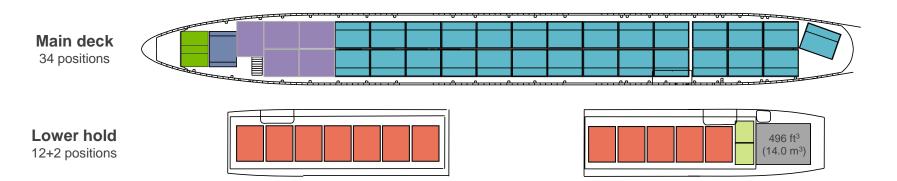
The 747-8F has similar ground servicing positions to the 747-400F

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747-8F offers 34 main deck pallet positions





	ULD	Capacity ft ³ (m ³)	Tare lb. (kg)	Deck	Cargo volume	
27	96" x 125" x 118" pallet	750 (21.2)	300 (136.1)	Main deck	24,462 ft ³ (692.7 m ³)	
5	96" x 125" x 96" pallet	613 (17.4)	300 (136.1)	Main deck		
1	96" x 125" x 96" pallet	607 (17.2)	300 (136.1)	Main deck		
1	96" x 125" x 96" pallet	540 (15.3)	300 (136.1)	Main deck		
12	96" x 125" x 64" pallet	407 (11.5)	290 (131.5)	Lower hold	5,730* ft ³	
2	LD-1 container	175 (5.0)	200 (90.7)	Lower hold	(162.3* m ³)	

Total cargo volume

30,192 ft³ (854.9 m³)

Total tare weight

14,080 lb (6,387 kg)

* includes bulk cargo

Main deck pallet arrangements

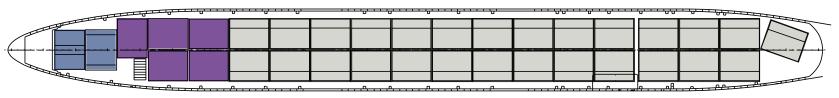
Main deck

2 96-in x 125-in x 96" contoured pallets, 15.3 m³ + 17.2 m³ (540 + 607 ft³) = **32.5 m³** (1,147 ft³)

5 96-in x 125-in x 96" pallets, 17.4 m³ (613 ft³) = **86.8 m**³ (3,065 ft³)

27 96-in x 125-in contoured pallets, 21.2 m³ (750 ft³) = **573.4 m³** (20,250 ft³)



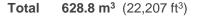


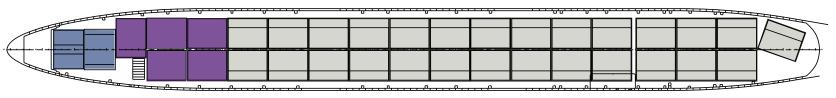
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Main deck (alternate) **2 88-in x 125-in x 96" contoured pallets, 14.0 m³ + 15.7 m³** (493 + 554 ft³) = **29.6 m³** (1,047 ft³)

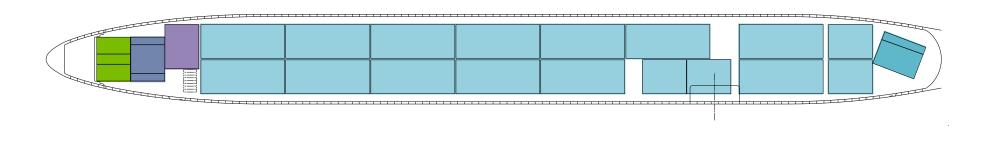
5 88-in x 125-in x 96" pallets, 15.9 m3 (560 ft3) = 79.3 m3 (2,800 ft3)

27 88-in x 125-in contoured pallets, 19.3 m3 (680 ft3) = 519.9 m3 (18,360 ft3)

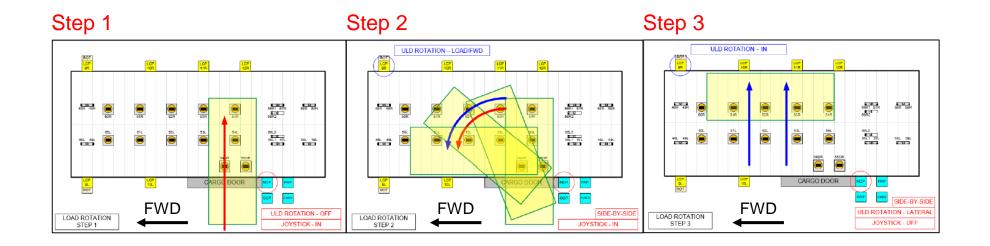




747-8F side cargo door accommodates loading of 20-ft (6-m) ULDs

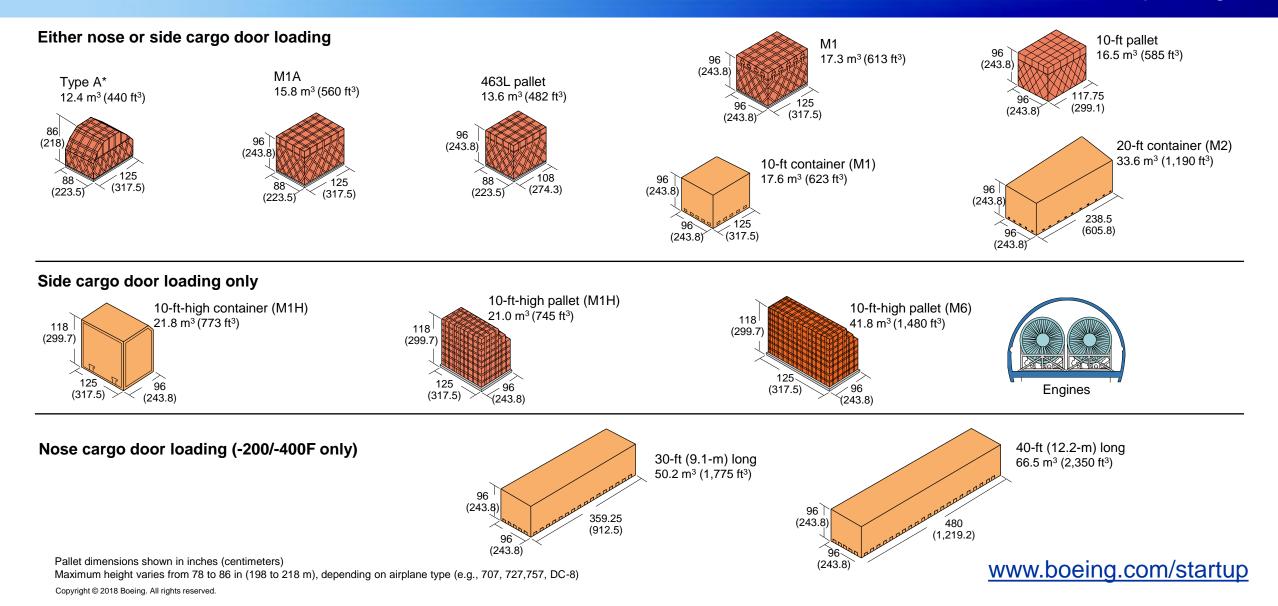


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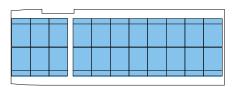
747-8F main deck loading versatility

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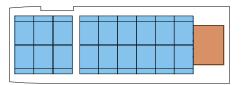


The lower hold can carry any combination of pallets and containers

747-8 Freighter lower hold cargo arrangements Forward



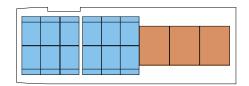
22 LD-1/-3



1 pallet and 18 LD-1/-3



2 pallets and 14 LD-1/-3



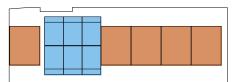
3 pallets and 12 LD-1/-3

Most common arrangements shown: movable locks allow for many other possible arrangements

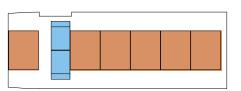
* bulk compartment: 14.0 m³ (496 ft3)

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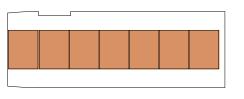
4 pallets and 8 LD-1/-3



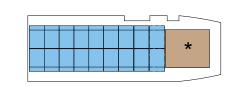
5 pallets and 6 LD-1/-3



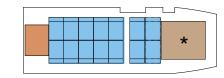
6 pallets and 2 LD-1/-3



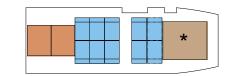
7 pallets



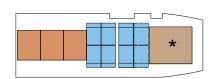
18 LD-1/-3



1 pallet and 14 LD-1/-3

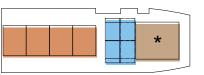


2 pallets and 10 LD-1/-3

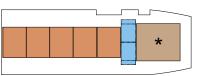


Aft

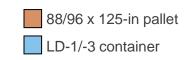
3 pallets and 8 LD-1/3



4 pallets and 4 LD-1/-3



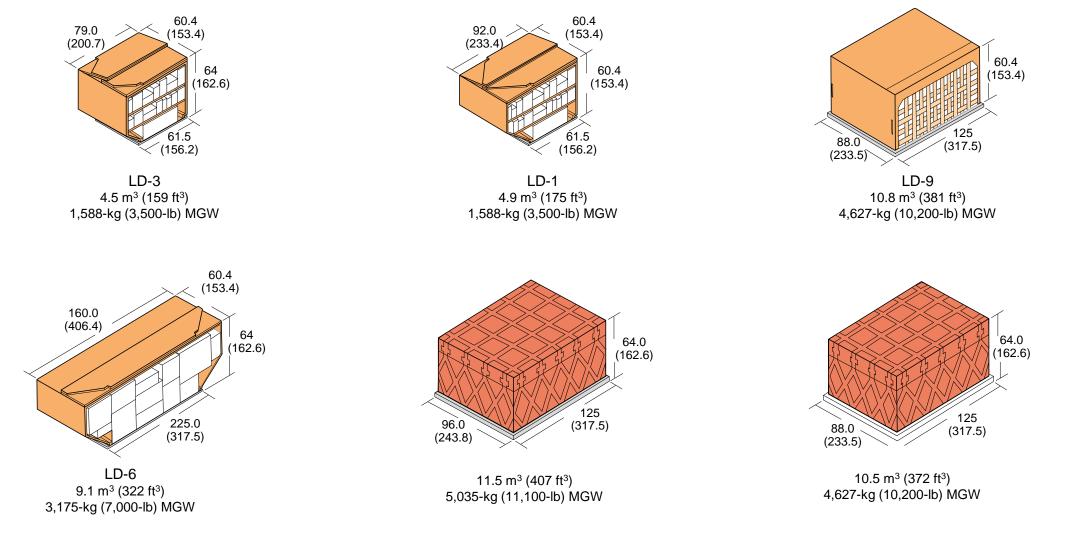
5 pallets and 2 LD-1/-3



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747-8 Freighter lower hold loading versatility

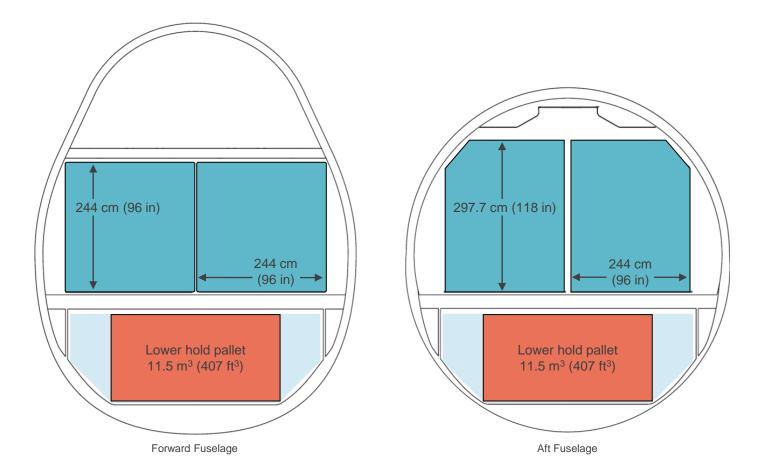
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Maximum gross weights shown are based on lower hold floor running load capability (116 lb/in), subject to overall airframe structural limits Pallet dimensions shown in inches (centimeters)

747-8F and 777F both can carry 3-m (10-ft) tall pallets StartupBoeing

Fuselage cross section

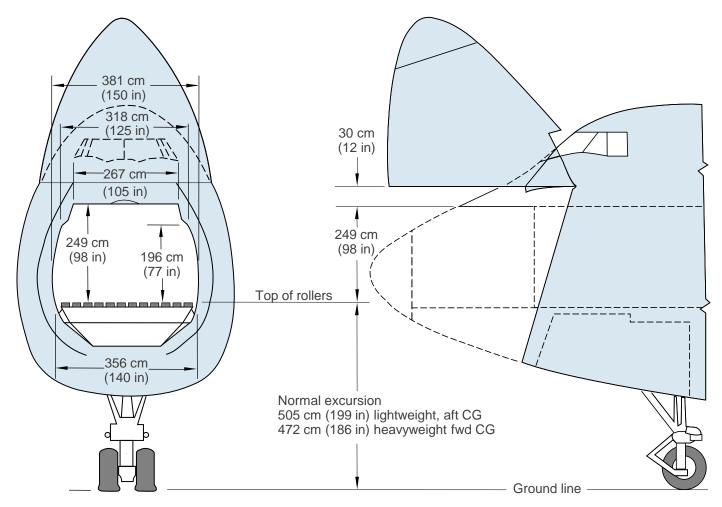


Note that the 747-8F main deck side cargo door is located aft of the wing Note: main deck clear height is variable

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Boeing 747-8F

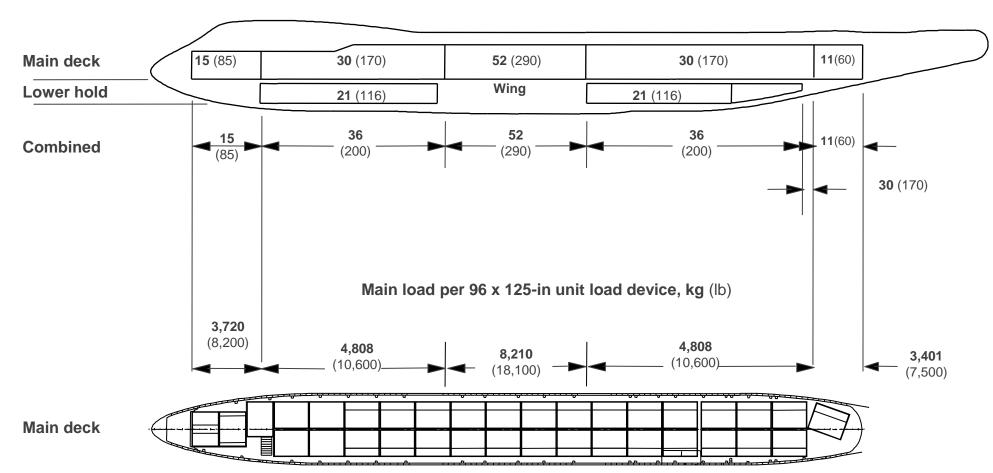
Nose cargo door



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Clear opening dimensions

747-8F has the same floor running loading limits as the 747-400F



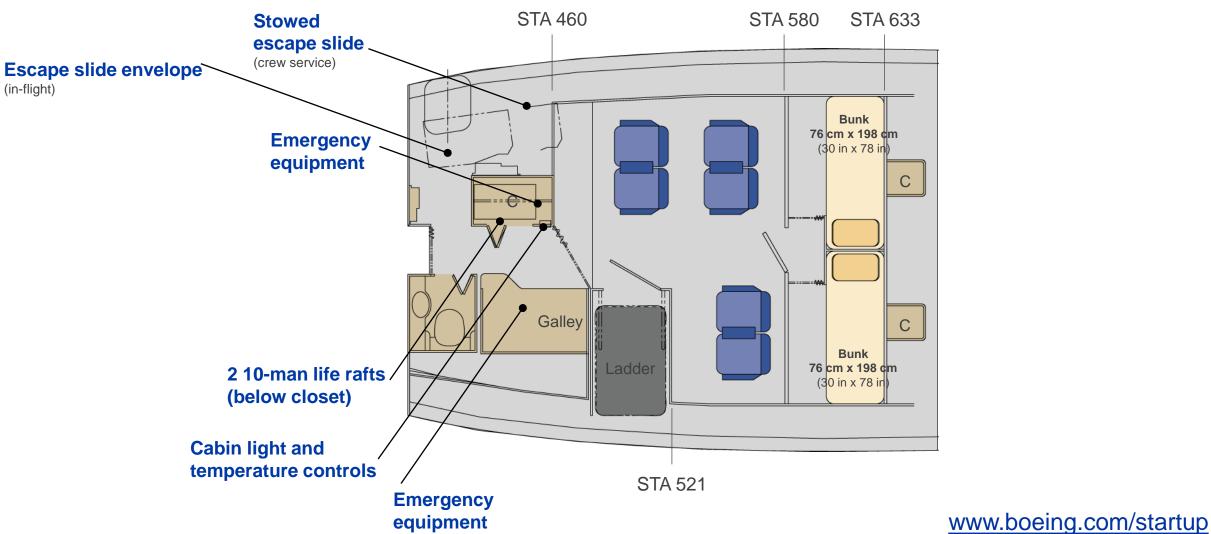
Running load capability, kg/cm (lb/in)

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747-8F offers increased supernumerary area comfort

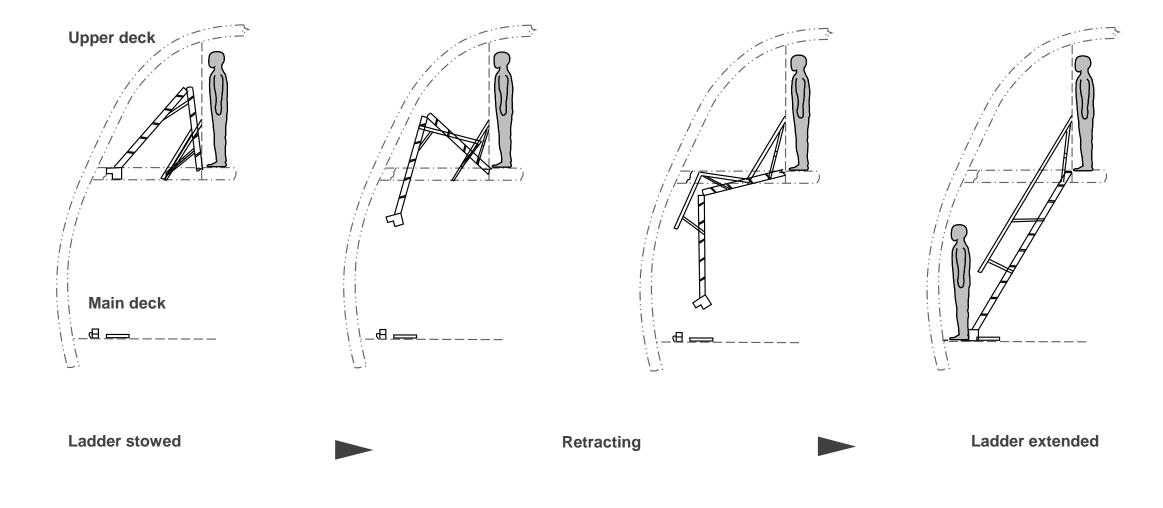
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6 crew seats and 2 bunks

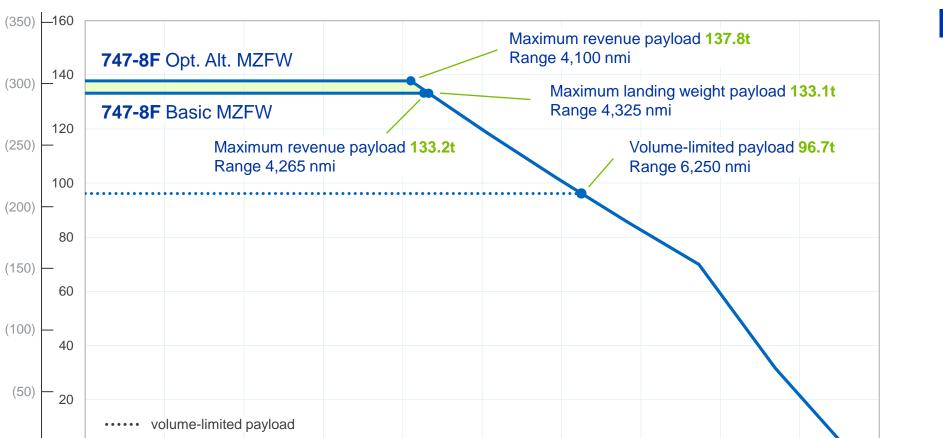


Upper deck access to main deck in flight

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747-8F offers unmatched payload capability



747-8F

447,700-kg MTOW (987,000-lb)

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Standard rules Volume-limited payload at 112 kg/m 3 (7 lb/ft 3) density

0

1

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Range, 1,000 nmi

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Revenue payload

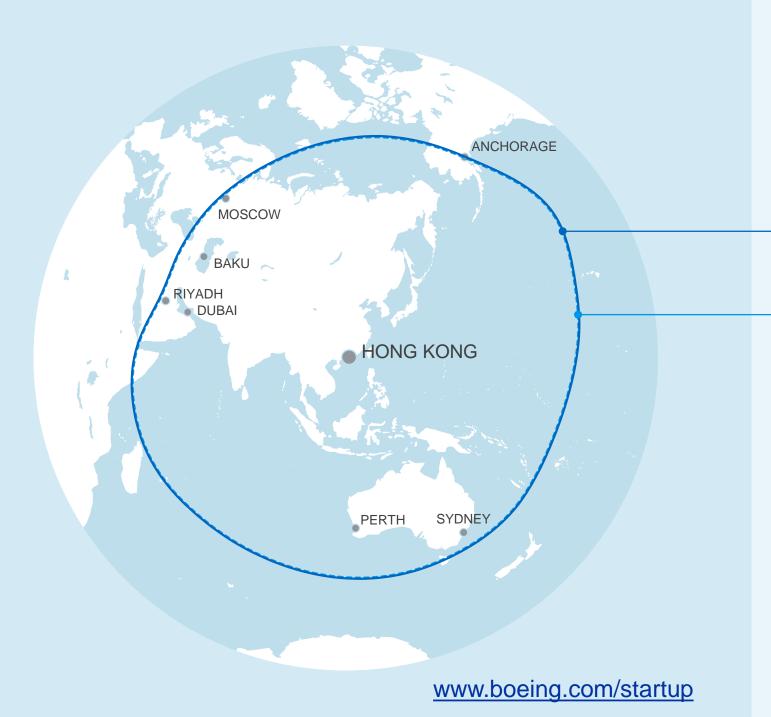
1,000 kg (1,000 lb)

Performance summary

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		747-8F	747-8F **
Engines		GEnx-2B67-P	GEnx-2B67-P
Boeing equivalent thrust/flat-rated temperature	lb/°C	66,500 / 30	66,500 / 30
Cargo arrangement	MD/LD	34 / 12+2	34 / 12+2
Maximum taxi weight	kg (lb)	449,050 (990,000)	449,050 (990,000)
Maximum takeoff weight	kg (lb)	447,700 (987,000)	447,700 (987,000)
Maximum landing weight	kg (lb)	346,100 (763,000)	350,650 (773,000)
Maximum zero fuel weight	kg (lb)	329,750 (727,000)	334,300 (737,000)
Operating empty weight (with tare)	kg (lb)	196,550 (433,300)	196,550 (433,300)
Operating empty weight (without tare)	kg (lb)	190,150 (419,200)	190,150 (419,200)
Fuel capacity	L (U.S. gal)	226,118 (59,734)	226,118 (59,734)
Cruise Mach		0.845	0.845
Maximum structural payload (incl. tare)	kg (lb)	139,600 (307,800)	144,150 (317,800)
Maximum revenue payload (excl. tare)	kg (lb)	133,200 (293,700)	137,750 (303,700)
Design range	nmi (km)	4,265 * (7,900) *	4,100 (7,590)
Maximum landing weight payload (incl. tare)	kg (lb)	139,550 (307,600)	and any Paralala
Design range	nmi (km)	4,325 (8,010)	not applicable
Volume-limited payload (excl. tare)	kg (lb)	95,860 (211,340)	95,860 (211,340)
Design range	nmi (km)	6,270 (11,610)	6,270 (11,610)
Fuel use at maximum revenue payload (3,000 nmi)	kg (lb)	68,862 (151,816)	69,838 (153,967)
Fuel use at volume-limited payload (3,000 nmi)	kg (lb)	61,360 (135,275)	61,360 (135,275)
Total cargo volume	m³ (ft ³)	854.9 (30,192)	854.9 (30,192)
Main deck cargo volume	m³ (ft ³)	692.7 (24,462)	692.7 (24,462)
Lower deck cargo volume (excl. bulk)	m ³ (ft ³)	148.2 (5,234)	148.2 (5,234)
Bulk volume	m ³ (ft ³)	14.0 (496)	14.0 (496)
Cargo tare	kg (lb)	6,387 (14,080)	6,387 (14,080)
Fuel factor		0%	0%

* Range limited by maximum landing weight
** Opt. Alt. MZFW
Standard rules
Volume-limited payload at 112 kg/m³ (7 lb/ft³) density
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747-8F is designed to carry more payload Maximum structural payload

747-8F

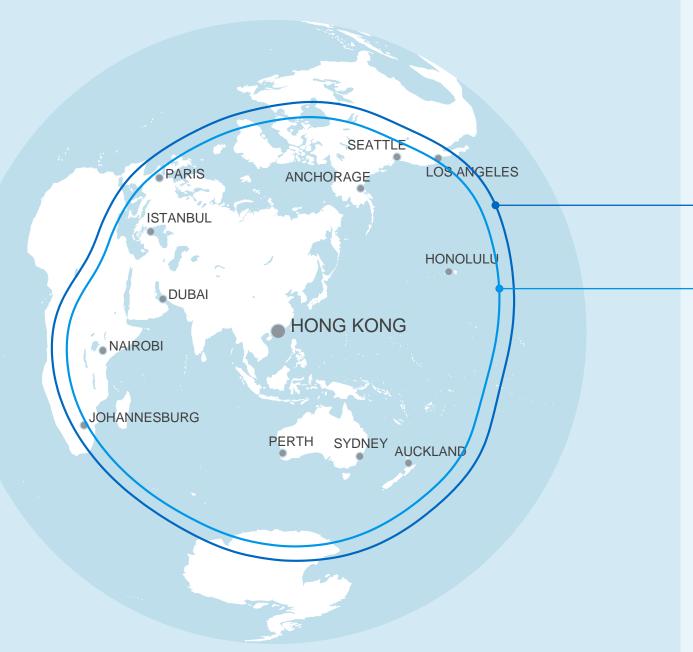
447,700-kg (987,000-lb) MTOW 139,550-kg (307,600-lb) payload

747-400F

396,900-kg (875,000-lb) MTOW 118,450-kg (261,100-lb) payload



Standard rules 50% annual winds, airways and traffic allowances included Maximum structural payload 3% fuel factor for 747-400F Range capability from Hong Kong



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747-8F is designed to carry more payload Volume-limited payload

747-8F

447,700-kg (987,000-lb) MTOW 95,860-kg (211,340-lb) payload

747-400F

396,900-kg (875,000-lb) MTOW 82,540-kg (181,970-lb) payload



Standard rules 50% annual winds, airways and traffic allowances included Volume-limited payload at 112 kg/m³ (7 lb/ft³) density 3% fuel factor for 747-400F Range capability from Hong Kong

Getting quieter with each generation



