

Boeing 747-8i Asobo

Limits

Category	#	Weight [LB]
Max Structural Payload ¹⁾ (Pax + Cargo, without Fuel)		169100
Seat Map (Pax incl Crew + 2 Pilot) ²⁾	376	73720
Upper Deck Business Class	32	6240
First Class	8	1560
Main Deck Business Class	48	9360
Premium Economy	32	6240
FWD Economy	36	7020
AFT Economy	208	40560
Crew	12	2340
Max Cargo (Container) ³⁾	38 LD1	133000
Max FWD Cargo	22 LD1	77000
or	7 Full Width	24500
Max Rear Cargo	16 LD1	56000
or	5 Full Width	17500
Max Fuel ⁴⁾ (Order: Stab->Rsv2,3-> Main2,3->Main1,4->Ctr)		421216
Stab Tank		22110
Reserve Tank 2,3, each		10277,79
Main Tank 2,3, each		96681,00
Main Tank 1,4, each		35644,00
Center Wing Tank		113900,00
Default Empty CG ⁴⁾		14,0%

Sources:

1) EASA Type Certificate B747-8

2) Lufthansa Seat Map (Crew Count from Type Certificate)

3) Boeing 747-8 Airplane Characteristics for Airport Planning

4) MSFS Fuel Editor, Salty Mod has 26,4%, Payloads will have wrong trim with Salty Mod

Fuel Setups

Fuel Load	[FuelSystem.0]
Fuel 18%: 74826 LB <i>29941 LB without Reserve</i>	Tank.1=0.05 Tank.2=0.1 Tank.3=0.1 Tank.4=0.1 Tank.5=0.1 Tank.6=1 Tank.7=1 Tank.8=1
Fuel 42%: 177657 LB	Tank.1=0.05 Tank.2=1 Tank.3=0.3 Tank.4=0.3 Tank.5=1 Tank.6=1 Tank.7=1 Tank.8=1
Fuel 82% 344903 LB	Tank.1=0.33 Tank.2=1 Tank.3=1 Tank.4=1 Tank.5=1 Tank.6=1 Tank.7=1 Tank.8=1

Max Payload

Payload		Fuel		CG	Comment	Tanks				
LB	%	LB	%	%		Stab	2xRsv	Main1+4	Main2+3	Ctr
154220	36,1%	74826	18%	27,23%		100%	100%	10%	10%	5%
Max	47,6%	177657	42%	29,85%		100%	100%	100%	30%	5%
Payload	98,4%	344903	82%	27,23%	Max Takeoff Weight	100%	100%	100%	100%	33%

Lufthansa Seat Map:

Business Upper Deck 32, First Class 8 Business Main Deck 48 Premium Economy 32 FWD Economy 36 AFT Economy 208 Crew 12

Cargo:

FWD 7/7 Full Container AFT: 16/16 LD1 Container

PayloadList= 200.0, 200.0,6240.0,1560.0,9360.0,6240.0,7020.0,40560.0,24500.0,56000.0,2340.0

Light Payload

Payload		Fuel		CG	Comment	Tanks				
LB	%	LB	%	%		Stab	2xRsv	Main1+4	Main2+3	Ctr
86840	20,3%	74826	18%	24,98%		100%	100%	10%	10%	5%
Light	26,8%	177657	42%	28,15%		100%	100%	100%	30%	5%
	55,4%	344903	82%	25,65%		100%	100%	100%	100%	33%

Lufthansa Seat Map:

Business Upper Deck 16/32, First Class 4/8 Business Main Deck 24/48 Premium Economy 16/32 FWD Economy 18/36 AFT Economy

104/208 Crew 10

Cargo:

FWD 4/22 LD1 Container AFT: 10/16 LD1 Container

PayloadList= 200.0, 200.0,3120.0, 780.0,4680.0,3120.0,3510.0,20280.0,14000.0,35000.0,1950.0