**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*

# Fuel Setups

|  |  |
| --- | --- |
| **Fuel Load** | **[FuelSystem.0]** |
| **Fuel 17%:**  **72607 LB** *29941 LB without Reserve* | Tank.1=0  Tank.2=0.42  Tank.3=0  Tank.4=0  Tank.5=0.42  Tank.6=1  Tank.7=1  Tank.8=1 |
| **Fuel 42%:**  **177763 LB** | Tank.1=0  Tank.2=1  Tank.3=0.33  Tank.4=0.33  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 Max Payload** | 35,9% | 72607 | **17%** | 28,91% |  | 100% | 100% | 42% | 0% | 0% |
| 47,6% | 177763 | **42%** | 30,09% |  | 100% | 100% | 100% | 33% | 0% |
| 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 Light** | 20,20 | 72607 | **17%** | 26,84% |  | 100% | 100% | 42% | 0% | 0% |
| 26,8% | 177763 | **42%** | 28,41% |  | 100% | 100% | 100% | 33% | 0% |
| 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