**Boeing 787-10 Asobo**

# Limits

|  |  |  |
| --- | --- | --- |
| **Category** | **#** | **Weight [LB]** |
| **Max Structural Payload 1)** *(Pax + Cargo, without Fuel)* |  | **126300** |
| **Seat Map (Pax + 2 Pilot) 2)** | **296** | **57730** |
| Business Class | 38 | 7410 |
| Premium Economy | 21 | 4095 |
| Economy | 235 | 45825 |
| Remaining Cargo Payload With Full Pax |  | 68570 |
| **Max Payload per Compartment3)** |  |  |
| Max FWD Cargo |  | 81500 |
| Max Rear Cargo |  | 67500 |
| **Max Fuel 4)** *(Order: L,R Main ->Ctr)* |  | **223672,79** |
| Main Tank L,R, each |  | 37319,00 |
| Center Tank |  | 149034,79 |
| **Default Empty CG 4)** |  | **23,5%** |

Sources:  
*1) EASA Type Certificate B787-10, calculated as Maximum Zero Fuel Weight (MZFW) – Operating Empty Weight (OEW)  
2) ANA Seat Map  
3) EASA Type Certificate B787-10  
4) MSFS Fuel Editor*

# Fuel Setups

|  |  |
| --- | --- |
| **Fuel Load** | **[FuelSystem.0]** |
| **Fuel 8%:**  **17913 LB** | Tank.1=0  Tank.2=0.24  Tank.3=0.24 |
| **Fuel 33%:**  **74638 LB** | Tank.1=0  Tank.2=1  Tank.3=1 |
| **Fuel 59% 131271 LB** | Tank.1=0.38  Tank.2=1  Tank.3=1 |
| **Fuel 87% 193866 LB** | Tank.1=0.8  Tank.2=1  Tank.3=1 |

# Max Payload

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Payload** | | **Fuel** | | **CG** | **Comment** | **Tanks** | |
| ***LB*** | ***%*** | ***LB*** | ***%*** | ***%*** |  | ***Main L+R*** | ***Center*** |
| **125730 Max Payload** | 52,3% | 17913 | **8%** | 31,34% | **Reserve Fuel** | 24% | 0% |
| 68,5% | 74638 | **33%** | 28,57% |  | 100% | 0% |
| 99% | 131271 | **59%** | 23,62% | **Max Takeoff Weight** | 100% | 38% |

ANA Seat Map:  
Business 38, Premium Economy: 21, Economy: 235

PayloadList= 200.0, 200.0,7410.0,4095.0,45825.0,38000.0,30000.0

# Light Payload

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Payload** | | **Fuel** | | **CG** | **Comment** | **Tanks** | |
| ***LB*** | ***%*** | ***LB*** | ***%*** | ***%*** |  | ***Main L+R*** | ***Center*** |
| **56870 Light Payload** | 10,4% | 17913 | **8%** | 32,18% | **Reserve Fuel** | 24% | 0% |
| 31,0% | 74638 | **33%** | 28,86% |  | 100% | 0% |
| 88,3% | 193866 | **87%** | 18,21% | **CG near FWD Limit** | 100% | 80% |

ANA Seat Map:  
Business 19/38, Premium Economy: 10/21, Economy: 117/235

PayloadList= 200.0, 200.0,3705.0,1950.0,22815.0,10000.0,18000.0