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 Compartment[3]		
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