

Airbus A320 Neo Asobo / Airbus A320 Neo FlyByWire (standalone)

Limits

| Category | Pax | Weight [LB] |
|--|---------|-----------------|
| Max Payload ¹⁾ (Pax + Cargo, without Fuel) | | 47400,00 |
| Business Class | 12 Max | 2340,00 |
| Economy | 138 Max | 26190,00 |
| Max Cargo ²⁾ | | 20800,00 |
| Max FWD Cargo | | 13300,00 |
| Max Rear Cargo | | 7500,00 |
| Max Fuel ³⁾ (Order: Inner -> Outer -> Center) | | 41989,00 |
| Inner R, L each | | 12167,19 |
| Outer R, L each | | 1527,59 |
| Center | | 14599,29 |
| Default Empty CG ³⁾ | | 26,8% |

Sources:

1) A320neo Realistic Weight Calculator <https://flightsim.to/file/9939/a320neo-realistic-weight-calculator>

2) EASA Type Certificate for Variant A320-251N

4) MSFS Fuel Editor

Fuel Setups

| Fuel Load | [FuelSystem.0] |
|-------------------------|--|
| 25%: 10464 LB | Tank.1=0 Tank.2=0.43 Tank.3=0.43 Tank.4=0 Tank.5=0 |
| 50%: 20928 LB | Tank.1=0 Tank.2=0.86 Tank.3=0.86 Tank.4=0 Tank.5=0 |
| 87% 36587 LB | Tank.1=0.63 Tank.2=1 Tank.3=1 Tank.4=1 Tank.5=1 |

Max Payload

| Payload | | Fuel | | CG | Comment | Tanks | | |
|------------------------------------|-------|-----------|------------|--------|--------------------|--------------|--------------|------------|
| <i>LB</i> | % | <i>LB</i> | % | % | | <i>2xINR</i> | <i>2xOUT</i> | <i>CTR</i> |
| 46750 Max Payload | 63,8% | 10464 | 25% | 39,17% | Max CG | 43% | 0% | 0% |
| | 74,4% | 20928 | 50% | 37,87% | | 86% | 0% | 0% |
| | 99,1% | 36534 | 87% | 36,11% | Max Takeoff Weight | 100% | 100% | 63% |

12/12 Business + 138/138 Economy

Do not go below 25% fuel, as it would violate the CG < 40%

PayloadList= 200.0, 200.0,2340.0,7500.0,26910.0,9600.0

Light Payload

| Payload | | Fuel | | CG | Comment | Tanks | | |
|--------------------------------------|-------|-----------|------------|--------|---------|--------------|--------------|------------|
| <i>LB</i> | % | <i>LB</i> | % | % | | <i>2xINR</i> | <i>2xOUT</i> | <i>CTR</i> |
| 29325 Light Payload | 40,0% | 10464 | 25% | 29,64% | | 43% | 0% | 0% |
| | 46,7% | 20928 | 50% | 28,90% | | 86% | 0% | 0% |
| | 62,2% | 36587 | 87% | 27,83% | | 100% | 100% | 63% |

6/12 Business + 69/138 Economy

PayloadList= 200.0, 200.0,1170.0,7500.0,13455.0,6800.0