



Ejemplos de aeronaves existentes similares a las propuestas en los RFP 2008

NGI

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EADS CASA CN-235

■ General characteristics

- Crew: two, pilot and co-pilot
- Capacity: up to 45 passengers
- Length: 21.40 m (70 ft 3 in)
- Wingspan: 25.81 m (84 ft 8 in)
- Height: 8.18 m (26 ft 10 in)
- Wing area: 59.1 m² (636 ft²)
- Empty weight: 9,800 kg (21,605 lb)
- Loaded weight: 15,500 kg (16,500 kg Military load) (34,172 lb (36,376 lb))
- Max takeoff weight: 15,100 kg (33,290 lb)
- Powerplant: 2× General Electric CT7C turboprop, 1,395 kW (1,850 bhp) each

■ Performance

- Maximum speed: 509 km/h (317 mph)
- Range: 5,003 km with max fuel / 2,870 km with 4,000 kg payload (3,108 miles with max fuel / 1,783 miles with 8,818 lb payload)
- Service ceiling: 9,145 m (30,000 ft)
- Rate of climb: 542 m/min (1,780 ft/min)



EADS CASA C-295

■ General characteristics

- Crew: Two + 71 passengers
- Capacity: 9,250 kg
- Payload: 9,250 kg (20,392 lbs)
- Length: 24.50 m (80 ft 3 in)
- Wingspan: 25.81 m (84 ft 8 in)
- Height: 8.60 m (28 ft 3 in)
- Wing area: 59 m² (ft²)
- Loaded weight: 9,250 kg (20,392 lbs)
- Max takeoff weight: 23,200 kg (51,146 lbs)
- Powerplant: 2× Pratt & Whitney Canada PW127G Hamilton Standard 586-F (six bladed), 1,972 kW each (2,645 hp each)

■ Performance

- Cruise speed: 481 km/h (300 mph)
- Range: 5,630 km (3,280 mi) 3,040 nm



P-3 Orion

■ General characteristics

- Crew: 11
- Length: 116 ft 10 in (35.6 m)
- Wingspan: 99 ft 8 in (30.4 m)
- Height: 33 ft 8.5 in (10.3 m)
- Wing area: 1300 ft² (120.8 m²)
- Airfoil: NACA 0014-1.10 (Root) - NACA 0012-1.10 (Tip)
- Empty weight: 77,200 lb (35,000 kg)
- Loaded weight: 135,000 lb (61,400 kg)
- Useful load: 57,800 lb (26,400 kg)
- Max takeoff weight: 142,000 lb (64,400 kg)
- Powerplant: 4× Allison T56-A-14(T56-A-10 in P-3A) turboprop, 4,600 shp (3,700 kW) each
- Propellers: Four-bladed Hamilton Standard propeller, 1 per engine
 - Propeller diameter: 13 ft 6 in (4.11 m)

■ Performance

- Maximum speed: 405 knots (750 km/h)
- Cruise speed: 330 knots (610 km/h)
- Range: 5,600 miles ferry (9,000 km)
- Service ceiling: 34,000 ft (10,400 m)
- Rate of climb: 3,140 ft/min (16 m/s)
- Wing loading: 107 lb/ft² (530 kg/m²)
- Power/mass: 0.03 hp/lb (0.06 kW/kg)



Aeritalia G.222 (C-27J Spartan)

■ General characteristics

- Crew: Three: pilot, co-pilot, loadmaster
- Capacity:
 - 60 troops *or*
 - 46 paratroops *or*
 - 36 litters with 6 medical personnel
- Payload: 11,500 kg (25,353 lb)
- Length: 22.7 m (74 ft 6 in)
- Wingspan: 28.7 m (94 ft 2 in)
- Height: 9.6 m (31 ft 8 in)
- Wing area: 82 m² (882.7 ft²)
- Empty weight: 17,000 kg (37,479 lb)
- Max takeoff weight: 31,800 kg (70,100 lb)
- Powerplant: 2× Rolls-Royce Allison AE2100-D2 turboprop, 3,460 kW (4,637 shp) each

■ Performance

- Maximum speed: 602 km/h (325 kts, 374 mph)
- Cruise speed: 583 km/h (315 kts, 362 mph)
- Range: 4,260 km, 1,852 km at full load (2,300 nmi, 1,000 nmi at full load)
- Ferry range: 5,926 km (3,200 nmi)
- Service ceiling: 9,144 m (30,000 ft)



C-130J Super Hercules

■ General characteristics

- **Crew:** 3-6 (at least 2 pilots, crew chief, and 1 loadmaster; additional loadmaster and navigator are usually part of the crew)
- **Capacity:**
 - 92 passengers *or*
 - 64 airborne troops *or*
 - 74 litter patients with 2 medical personnel
- **Payload:** 42,000 lb (19,090 kg) including 2-3 Humvees or an M113 Armored Personnel Carrier
- **Length:** 97 ft 9 in (29.79 m)
- **Wingspan:** 132 ft 7 in (40.41 m)
- **Height:** 38 ft 10 in (11.84 m)
- **Wing area:** 1,745 ft² (162.1 m²)
- **Empty weight:** 75,562 lb (34,274 kg)
- **Useful load:** 72,000 lb (33,000 kg)
- **Max takeoff weight:** up to 175,000 lb (79,378 kg), 155,000 lb recommended (70,305 kg)
- **Powerplant:** 4× Rolls-Royce AE 2100D3 turboprops, 4,637 shp (3,458 kW) each

■ Performance

- **Maximum speed:** 362 knots (417 mph, 671 km/h)
- **Cruise speed:** 348 knots, 644 km/h (400 mph, 643 km/h)
- **Range:** 2,835 nm (3,262 mi, 5,250 km)
- **Service ceiling** 28,000 ft, 8,540 m (8,615 m)



Alenia AC-27J

■ General characteristics

- **Crew:** TBD
- **Capacity:** TBD
- **Payload:** 11,500 kg (25,353 lb)
- **Length:** 22.7 m (74 ft 6 in)
- **Wingspan:** 28.7 m (94 ft 2 in)
- **Height:** 9.6 m (31 ft 8 in)
- **Wing area:** 82 m² (882.7 ft²)
- **Empty weight:** 17,000 kg (37,479 lb)
- **Max takeoff weight:** 31,800 kg (70,100 lb)
- **Powerplant:** 2× Rolls-Royce Allison AE2100-D2 turboprop, 3,460 kW (4,637 shp) each

■ Performance

- **Maximum speed:** 602 km/h (325 kts, 374 mph)
- **Cruise speed:** 583 km/h (315 kts, 362 mph)
- **Range:** 4,260 km, 1,852 km (2,300 nmi, 1,000 nmi) at full load
- **Ferry range:** 5,926 km (3,200 nmi)
- **Service ceiling** 9,144 m (30,000 ft)



Transall C-160

■ General characteristics

- **Crew:** five - two pilots, flight engineer, tactics officer, Loadmaster
- **Capacity:** cargo or up to 80 troops
- **Payload:** 16,000 kg (32,300 lb)
- **Length:** 32.40 m (106 ft 4 in)
- **Wingspan:** 40.00 m (131 ft 3 in)
- **Height:** 12.36 m (38 ft 3 in)
- **Wing area:** 160 m² (1,721 ft²)
- **Empty weight:** 30,000 kg (62,700 lb)
- **Loaded weight:** 46,000 kg (103,400 lb)
- **Max takeoff weight:** 49,150 kg (112,200 lb)
- **Powerplant:** 2× Rolls-Royce Tyne 22 turboprops, 4,225 kW (5,565 hp [\[1\]](#))

■ Performance

- **Maximum speed:** 513 km/h (319 mph)
- **Range:** 1,850 km (1,150 miles)
- **Service ceiling:** 8,230 m (30,000 ft)
- **Rate of climb:** 6.67 m/s (1,312 ft/min)
- **Wing loading:** 294 kg/m² (60 lb/ft²)
- **Power / mass:** 180 W/kg (0.11 hp/lb)

