Dornier 328TP

**CERTIFICATION BASIS**
- Regulations: JAR 25 / FAR PART 25

**SEATING**
- Crew & Passenger Capacity: 3 + 31 - 34
- Cabin Volume: 1,183 cu ft / 33.5 cu m
- Cabin Floor Area: 203 sq ft / 18.9 sq m
- Cabin Baggage Volume: 35 cu ft / 1.0 cu m
- Cargo Compartment Volume: 226 cu ft / 6.4 cu m
- Cargo Compartment Capacity: 1,653 lb / 750 kg

**POWERPLANTS / PROPELLERS**
- Engine Manufacturer / Model: Pratt & Whitney Canada / PW 1198
- Takeoff Power: 2x 2,180 SHP / 2x 1,626 kW
- Propeller Manufacturer / Type: Hartzell / 6 Blades Composite
- Propeller Diameter: 11.8 ft / 3.6 m

**PRESSURIZATION**
- Differential Pressure: 6.75 psi / 465 mbar
- Sea Level Cabin Altitude: 16,026 ft / 4,886 m
- Max Operating Altitude - STD: 25,000 ft / 7,620 m
- - OPT: 31,000 ft / 9,440 m

**BASIC WEIGHTS**
- Max Ramp Weight: 31,019 lb / 14,070 kg
- Max Takeoff Weight: 30,843 lb / 13,990 kg
- Max Landing Weight: 29,167 lb / 13,230 kg
- Max Zero Fuel Weight: 27,800 lb / 12,610 kg
- Typical Operating Empty Weight (incl. crew): 20,062 lb / 9,100 kg
- Fuel Capacity (fuel density 0.80 kg/l): 7,577 lb / 3,428 kg
- Max Useful Load: 10,781 lb / 4,890 kg
- Max Payload: 7,738 lb / 3,510 kg

**PAYLOAD RANGE CAPABILITY**
- Payload Range: 32 PAX @ 225 lb
- FL 250
- FL 310

**PERFORMANCE**
- Power Loading - MTOW: 7.07 lb/SHP / 4.30 kg/kW
- Wing Loading - MTOW: 71.6 lb/sq ft / 349.8 kg/sq m
- Takeoff Field Length - MTOW: 3,570 ft / 1,088 m
- Initial Rate of Climb - MTOW: 2,060 ft/min / 628 m/min
- Gross Climb Gradient 2nd Segment - MTOW: 5.4%
- Time to Climb to 25,000 ft - 95% MTOW: 14.5 min
- Service Ceiling Single Engine - 95% MTOW: 15,570 ft / 4,746 m
- Max Cruise Speed - 95% MTOW: 335 kts / 386 m/h / 620 km/h
- Landing Field Length - MLW (1/0.5): 3,525 ft / 1,075 m
- Landing Distance - MLW, unfactored (Part 91): 2,115 ft / 645 m

**FLIGHT PERFORMANCE**
- Distance (ISA +10°C)
  - | FLIGHT | BLOCK | BLOCK | PAX | SPEED |
  - | LEVEL | TIME | FUEL | LOAD |
  - | LB | KG | |
  - 100 | 185 | 170 | 0.37 | 701 | 318 | 32 | HSC |
  - 200 | 370 | 240 | 0.57 | 1,101 | 499 | 32 | HSC |
  - 300 | 556 | 250 | 1.17 | 1,493 | 677 | 32 | HSC |
  - 400 | 741 | 250 | 1.36 | 1,892 | 858 | 32 | HSC |
  - 500 | 926 | 250 | 1.55 | 2,292 | 1,040 | 32 | HSC |
  - 600 | 1,111 | 260 | 2.16 | 2,691 | 1,198 | 31 | HSC |
  - 700 | 1,296 | 270 | 2.36 | 2,978 | 1,351 | 29 | HSC |
  - 800 | 1,482 | 280 | 2.58 | 3,201 | 1,497 | 28 | HSC |

**SPECIFICATIONS & PERFORMANCE**
- Black Data: No winds, 5 + 5 min. ground allowance, 3 min. maneuvering allowance
- 100 nm IFR reserves with 45 min. LRC @ Cruising FL, Passenger weight 225 lb each

**BASIC CONFIGURATION**
- Airline Transport Aircraft, alternatively: Corporate/Executive, Special Mission
- 2 Pilots, 1 Flight Attendant, 32 Passengers & Cargo
- Operating Empty Weight is subject to equipment installed

**INTERIOR**
- 32 seats standard, other configurations available as required
- Galley/Refreshment Center, Aft Lavatory, Wardrobes

**AVIONICS (Honeywell PRIMUS 2000)**
- EFIS, EICAS, 5 CRT's (7 in x 8 in), Flight Management System
- Dual Primus II Integrated Radio System, Dual Integrated Avionics Computer
- Automatic Flight Control System, Dual Digital Air Data Reference Unit
- Dual Altitude and Heading Reference System, Primus 650 Weather Radar
- Mode S Transponder, Fault Recording
- Ground Proximity Warning System (GPWS)

**OPTIMAL EQUIPMENT**
- Allied-Signal STCP 36-150 APU, Ground Spoiler
- 5% Engine Thermodynamic Power Increase (PW 119C)
- FL 310, RVSM Compliance, Steep Approach Supplement
- GPS with Non Precision Approach, Primus 870 Weather Radar, HF, CAT II Approach
- 2nd Radar Altimeter, 2nd Mode S Transponder
- Enhanced Ground Proximity Warning System (EGPWS)