

Dornier 328TP

SPECIFICATIONS & PERFORMANCE

CERTIFICATION BASIS

Regulations	JAR 25 / FAR PART 25
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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 119B	
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

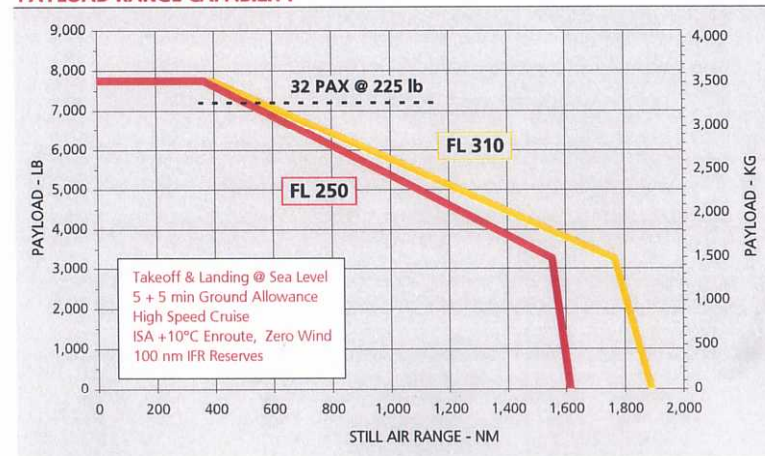
PRESSURIZATION

Differential Pressure	6.75 psi	465 mbar
Sea Level Cabin Altitude	16,029 ft	4,886 m
Max Operating Altitude - STD	25,000 ft	7,620 m
- OPT	31,000 ft	9,449 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)	7,557 lb	3,428 kg
Max Useful Load	10,781 lb	4,890 kg
Max Payload	7,738 lb	3,510 kg

PAYLOAD RANGE CAPABILITY



PERFORMANCE (ISA, SEA LEVEL)

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 mi/h / 620 km/h
Landing Field Length - MLW (1/0.6)	3,525 ft	1,075 m
Landing Distance - MLW, unfactored (Part 91)	2,115 ft	645 m

FLIGHT PERFORMANCE (ISA +10°C)

DISTANCE	FLIGHT		BLOCK	BLOCK FUEL		PAX	SPEED
	NM	KM		LEVEL	TIME		
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	2,641	1,198	31	HSC
700	1,296	270	2:36	2,978	1,351	29	HSC
800	1,482	280	2:58	3,301	1,497	28	HSC

*Block 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
Traffic Alert and Collision Avoidance System (TCAS 2000)
Ground Proximity Warning System (GPWS)

OPTIONAL EQUIPMENT

Allied-Signal GTCP 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)