



Dornier 328 Jet -310

Registration: N401FJ

Serial Number: 3145

Delivery Date: 27 April 2000.

SPECIFICATION & PERFORMANCE

1. BASIC CONFIGURATION

Corporate shuttle, alternatively: special mission
2 pilots, 1 flight attendant, 19 passenger & cargo
One observer seat , the aircraft is equipped with “Phase 2 “ reinforced cockpit door.

2. SEATING

Crew & passenger capacity		3+ 19
Cabin volume	1,183 cu ft	33.5cu m
Cabin floor area	203 sq ft	18.9 sq m
Cabin baggage volumen	35 cu ft	1.0 cu m
Cargo compartment volume	226 cu ft	6.4 cu m
Cargo comparment capacity	1,653 lb	750 Kg

3. PRESSURIZATION

DIFFERENTIAL PRESSURE	7.46 PSI	514MBAR
SEAL LEVEL CABIN ALTITUDE	18,350 FT	5,593M
MAX OPERATING ALTITUDE	35,000 FT	10,668M

4. BASIC WEIGHTS

Max ramp weight	34,789 lb	15,780 Kg
Max takeoff weight	34,524 lb	15,660 Kg
Max landing weight	31,725 lb	14,390 Kg
Max cero fuel weight	28,814 lb	13,070 Kg
Operating Empty weight (inc. Crew)	21,038 lb	9,543 Kg
Fuel capacity-std (fuel density 0.80kg/l)	8,011 lb	3,634 Kg
Fuel capacity-opt (fuel density 0.80Kg/l)	11,115 lb	5,042 Kg
Max useful load	13,486 lb	6,117 Kg
Max payload	7,776 lb	3,527 Kg

5. **PERFORMANCE (ISA,SEA LEVEL)**

POWER LOADING - MTOW	2.85lb/lb thrust	291 Kg/KN
Wing Loading- MTOW	80.2lbs/sq ft	391.5 Kg/sq m
Takeoff Field Length	4,485 ft	1,367 m
Initial Range of climb -95% MTOW	3,690 ft/min	1,125 m/min
Time to Climb 35,000 ft -95% MTOW	22.7 min	
Service ceiling single engine – 95% MTOW	24,700 ft	7,529 m
Max Cruise speed	400 Kts	740km/h
Landing Field Length- MLW (1/0.6)	4,285 ft	1,306 m
Landing Distances – Unfactored (part91)	2,571 ft	784 m

6. **FLIGHT PERFORMNANCE (ISA + 10 °C)**

DISTANCE NM	KM	FLIGHT LEVEL	BLOCK TIME	BLOCK FUEL		PAX LOAD	SPEED
				LB	KG		
200	370	350	0:49	1,431	649	22	HSC
400	741	350	1:21	2,297	1,042	22	HSC
600	1,111	350	1:53	3,173	1,439	22	HSC
800	1,482	350	2:24	4,058	1,841	22	HSC
1000	1,852	350	2:56	4,953	2,247	22	HSC
1200	2,222	350	3:28	5,858	2,657	22	HSC
WITH OPTIONAL EXTENDED RANGE FUEL							
1,400	2,593	350	4:32	7,525	3,413	22	HSC

7. **AVIONICS: (HONEYWELL PRIMUS 2000)**

EFIS, EICAS, 5 CRT's (7 in x 8 in), Flight Management Systems
 Dual Primus II integrated radio Systems, Dual Integrated Avionics Computer
 Dual Altitude & Heading Reference Systems, Primus 660 Weather Radar
 2 mode S Transponder, Fault Recording
 Traffic alert & collision Avoidance System (TCAS 2000)
 Enhanced Ground Proximity Warning Systems (EGPWS) with Wind Shear Detection &
 Guidance. CATII Approach, GPS non Precision Approach 2nd Radar Altimetre



Honeywell Equipment List

Avionics	Component	Model	Part number
Primus II	Radio Management	RM-855B	7013270-934
Integrated Com. Unit	RNZ-851	7510100-831	
Integrated Com. Unit	RCZ-851B	7510700-802	
Attitude Heading Ref.	AH-900	HG2011ACO4	
Integrated Avionics Comp.	IAC-800C	7017300-14123	
Flux Valve	FX-600	70110133	
Flight Management System	Micro Air Data Comp.	AZ-840	7014700-917
	Data Loader	DL-900	7016600-902

Cockpit Display Syst.	Display Unit	DU-870	7014300-902
	Benzel Controller	BL-871	7014332-902
	Data Acquisition Unit.	DAU-800	7013348-918
Flight Control	Guidance Panel Controller	GP-300	7015327-905
Primus II Radio System	Audio Control Unit	AV-850A	751101-912
	Clearance Delivery Control	CD-850	7513000-802
Radar Weather Altimeter	Radio Altimeter Receiver	RT-300	7001840-932
	Radio Altimeter Antenna	AT-300	567-2002-4
	Receiver transmitter Antenna	WU-660	7021450-601



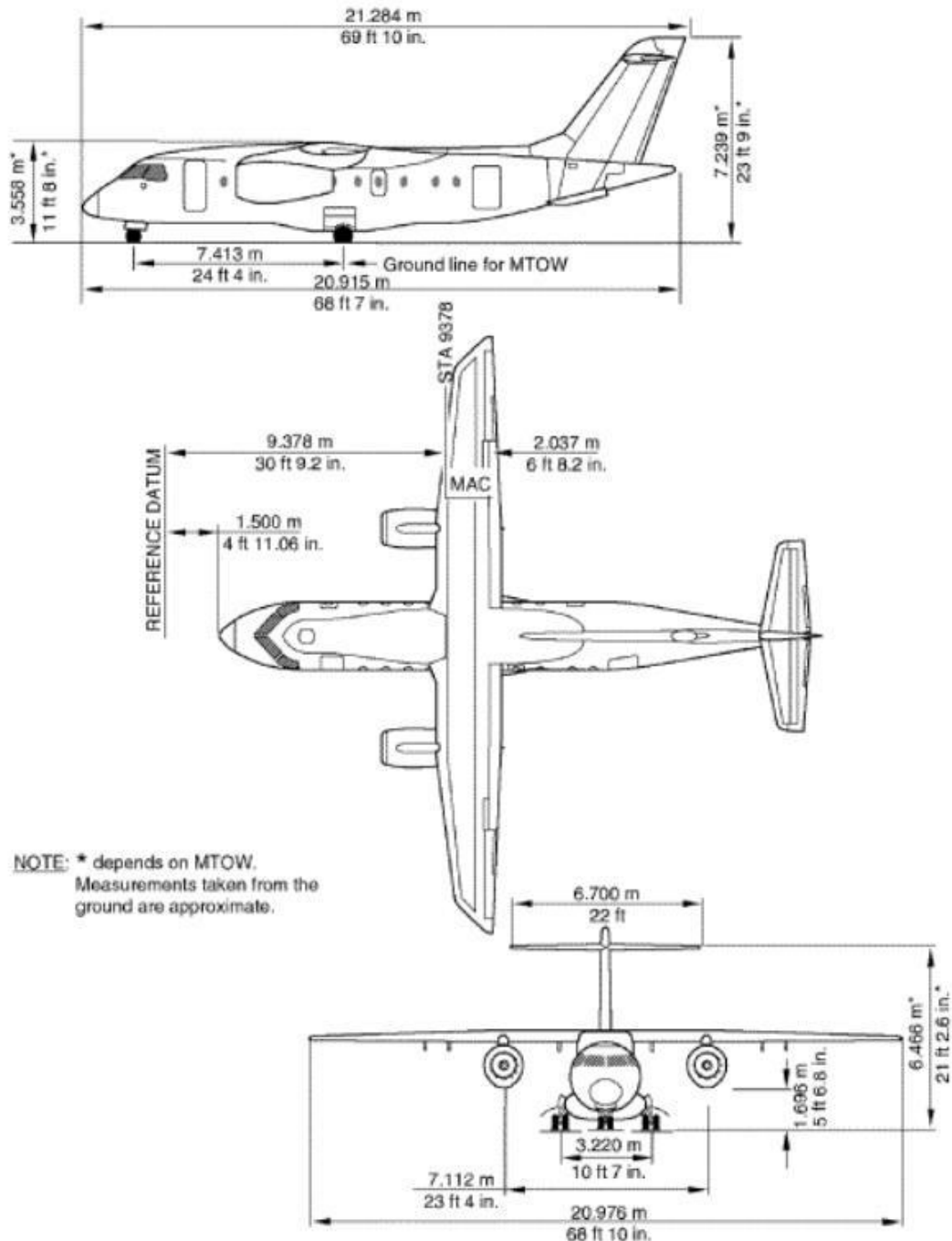
8. POWER PLANT

Manufacturer/ Model		Phase 4 - Pratt & Whitney Canada / 306B	
Takeoff Thrust	2X 6,050 lbs	2X 26.9 Kn	Instalation date Sep-2009
Serial Number	Fresh from Pratt & Whitney in Clarksburg, WV USA		
49			
51			

9. APU

Serial Number: P213	Model: Allied Signal GCTP 36-150	Hobbs: 1041
Time since new	Time Since Overhaul	Time Since Hot Section Inspec.
10141	189	304

10. DIMENSIONS AND AREAS



NOTE: * depends on MTOW.
Measurements taken from the ground are approximate.

Aircraft Basic Dimensions

11. INTERIOR:



19 Passenger Seats Standard, Galley/ Refreshment Center Aft Lavatory, Wardrobes



GALLERY CONFIGURATION



Vendor: Albert Muehlenberg
Certification: FAA/ JAA / EASA

Configuration: Atlas Standard



AIRCRAFT DATA

Model: Dornier328-310		
Aircraft Registration Number	Aircraft Serial Number	Production Date
N401FJ	3145	27-April- 2000
ATSN: 9744		ACSN: 9777

MANTENANCE SYSTEM

According To: Low Utilization Maintenance Planning Document (LUMPD).

Inspection status	Hr/Cyc Limit	Calendar Limit	Date Last C/W
Phase 1	N/A	14 Days	Oct-2010
Phase 2	N/A	06 Mths	Sep-2010
Phase 3	N/A	12 Mths	Mar-2010
Phase 4	N/A	24 Mths	Mar-2009
Phase 5	N/A	48 Mths	Mar-2007
Phase 6	N/A	96 Mths	April-2008