



Advanced Aviation Logistic GmbH

<p>➤ Aircraft Operation</p>	<p>➤ Worldwide Aircraft Delivery</p>	<p>➤ Pilot Lease ➤ Pilot Training</p>	<p>➤ ACMI Lease C 208 B /D 228</p>
<p>Office: Glockeneichweg 135 Airport Saulgau D 88348 Bad Saulgau Phone :+49-7581-7046 Fax: + 49-7581-7047 aal@advancedaviation.de</p>	<p>FO-Mgr Paul Lehner Phone :+49-7581-7046 Fax: + 49-7581-7047 Cell: + 49-173-3566655 aal-ops@advancedaviation.de paule@advancedaviation.de</p>	<p>CEO: Joachim Wirths Phone : +49-7542-952657 Fax: + 49-7542-953476 Joachim@advancedaviation.de aal-ceo@advancedaviation.de</p>	<p>GM & Account Mgr Ingeborg Hildebrand-Wirths Phone:+49-8342-899021 Fax: + 49-8342-899022 inge@advancedaviation.de www.advancedaviation.de</p>

AAAL - Dornier 228 202K – Aircraft Performance – 5 Blade MT Propeller



Specifications and Performance D-CAAL / D-CAAW

BASIC CONFIGURATION: Two Garret TPE 331-5A-252 D or TPE 331-5 engines, 715 shp each, flat rated to ISA+11¼C (52¼F), Two Five-Bladed MT Propellers with Reversible Pitch, Propeller Syncrophaser, Hydraulically Operated Landing Gear with Electro/Hydraulically controlled nose wheel steering system via rudder pedals, Electrical Stabilizer and Aileron Trim, Engine Torque and Temperature Limiter, Dual Engine Air Intake De-icing, Electrical heated Pitot Tubes, Windshield Wipers, Windows, Engine Fire Extinguishing System, Cockpit and Cabin Fire Extinguishers, Dual Landing and Taxi Lights, Position Lights Anti Collision Lights, Hydraulic Power Pack Check Lights **INTERIOR:** Air Conditioning System, Individual Air Outlets, Dual Handrail Air stair Door, Cargo Door, Cockpit Door, Front and Rear Baggage Compartment Doors, Textile Seat linings, Cabin Panel Infill, Decor, Partition, Linings and Exterior Paint Scheme to customer's choice, Floor carpet, Polycarbonate Cabin Lining, Cabin Signs, Cabin Lights, Baggage Compartment Lights, Baggage Net.





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AVIONICS: Dual IFR Flight Instruments: Airspeed Indicators, Altimeters, Vertical Speed Indicators, Turn and slip Indicators, Clocks, OAT Indicator, Reference Speed Deviation Indicator, Flying Hours Counter, Microphone, Stabilizer Trim and Nose wheel Steering Buttons on Pilot's and Co-Pilot's Control Yokes, Instrument Panel Lighting (integrated/flood), Cockpit Lighting



OPTIONAL EQUIPMENT: Surface De-icing, Propeller De-icing, Windshield De-icing, Auxiliary Power Unit, Pressure Refuelling, "Magna Sticks", Gravel Kit, Strobe, Logo Lights, Electrical Cabin and Cockpit Heaters, Individual Reading Lights

DIMENSIONS:		
EXTERNAL:		
Wing Span	55 ft. 8in	16.97 m
Wing Area	344 sq. ft	32.00 m ²
Overall Length	54 ft. 4 in	16.56 m
Overall Height	15 ft. 11 in	4.86 m
Wheel Track	10 ft. 10 in	3.30 m
Wheel Base	20 ft. 8 in	6.29 m
Prop. Clearance	42 in	1,06 m





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CABINS – Standard Layout		
<p>Passenger seats</p> 	19	Or 17
Seat Pitch	30 in	76.2 cm
Cabin Length	23 ft. 3 in	7.08 m
Cabin Width	4 ft. 5 in	1.35 m
Cabin Height	5ft 1 in	1.55 m
Cabin Volume (internal)	519 cu. ft	14.70 m ³
Passenger Door	25 x 53 in	64 x 134 cm
Cargo Door	50 x 53 in	128 x 134 cm
BAGGAGE COMPARTMENTS:		
Front Compartments (internal volume)	31 cu. ft	0.89 m ²
Max Load	265 lb	120 kg
Door Size (H max x W)	19 x 48 in	50 x 120 cm
Aft Compartment (internal volume)	92 cu. ft	2.6 m ³
Max load	463 lb	210 kg
Door size (H x W)	36 x 21 in	90 x 53 cm
Baggage volume / passenger	6.5 cu. ft	0.18 m ³
Baggage weight / passenger	38.3 lb	17,4 kg
POWERPLANT:		
Engine Model	Garrett TPE 331-5A-252 D	
Takeoff Power	2 x 715 shp, flat to ISA +7°C (72°F)	
Takeoff Propeller rpm.	100%	1,591 rpm
Propeller Type 5 Blade Prop MT	MTV-27-ECFR – CFRL 250-55B	
Propeller Diameter	98,42 in	2.50 m



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<p>Propeller blades</p> 	<p>5 (full feathering and reversing) Our Aircrafts are all equipped with NEW 5 Blade Propellers. Less noise, more Range!</p>	
Fuel capacity (integral wing tanks)	630 US gal	2,386 liters
	4,155 lb	1,885 kg
Oil capacity per engine	6.25 US qts	5.9 liters
Fuel consumption (Max range cruise, 10,000 ft)	300 lb/hr 135 kg/h with MT Propeller only	
		
SPEED		
195 KIAS		
WEIGHTS:		
Max ramp weight	13,640 lb	6,200 kg
Max take off weight	13,640 lb	6,200 kg
Max landing weight	12,980 lb	5,900 kg
Max zero fuel weight	12,980 lb	5,900 kg
Operating weight empty*	8,008 lb	3,640 kg
Max Range / 5 Blade Propeller	6,9 h	1.348 NM
Max useful load	4150 lb	1,867 kg
*Includes 2 pilots, 19 seats, oil, unusable fuel and 105 kg (231 lb) for options		

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