



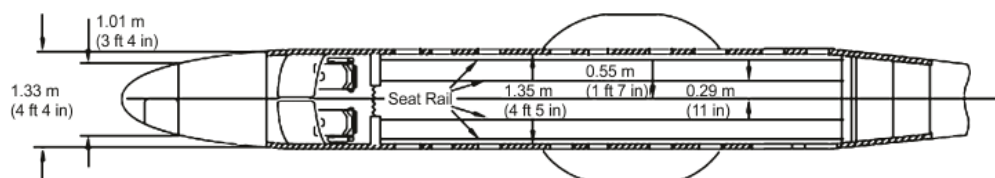
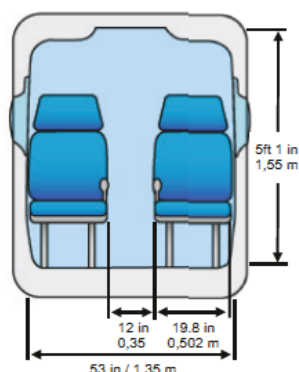
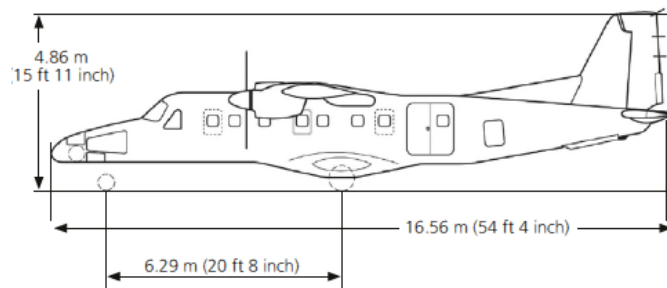
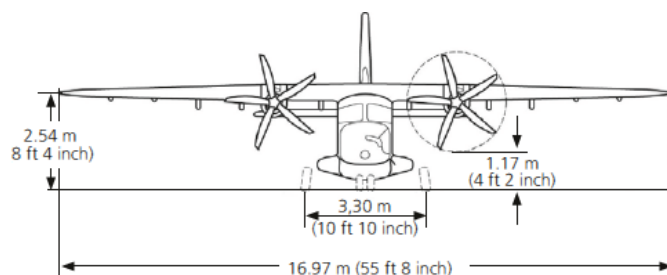
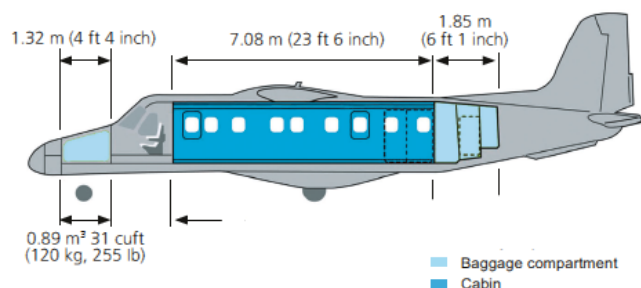
Aircraft Profile

Manufacturer	General Atomics AeroTec Systems / Germany		
Type / Model	DO 228 NXT	Condition	New
Price	please inquire	Availability	please inquire
Excl. Dealer	NeBeSci Inc. – Philippines		

The Do228 NXT is a new development from its predecessors 228 NG, entirely produced by GA-ATS in Germany. It is a high-wing, twin turboprop aircraft with a capacity for 2 pilots plus 19 passengers. The rectangular cross-section makes it ideal as a multi-purpose aircraft. In fact, the DO 228 enjoys a high reputation for its capabilities and versatility among global operators.

The aircraft finds its role in the civil market for passenger, cargo and MedEvac and defense and government sector as a reliable multi-mission performer, be it as a paratrooper, surveillance, border patrol or others.

Dimensions



NeBeSci, Inc.

Aircraft & Aeronautical Products & Services / Intl. Trading

Paranaque City 1700 - Metro Manila, The Philippines inquire@nebesci.com +63 (0) 917 704 0478



Powerplant

Manufacturer	Honeywell
Model	2x TE331-10 engine with MTV-27 propellers
Power output	579 kW (776 SHP) ea (flat) rated power

Performance

Takeoff distance to 35 ft * ₁	790 m
Landing distance from 50 ft * ₂	450 m
STOL takeoff distance to 35 ft * ₁	445 m
STOL landing distance from 30 ft * ₁	350 m
Maximum cruise speed at ISA 10,000 ft	240 KTAS
Maximum useful load	2,675 kg
Maximum range (max fuel + typical payload 500kg) * ₃	1,295 NM
Maximum range @ maximum payload * ₃	250 NM
Maximum operating altitude	25000 ft
Maximum TOW (take-off-weight)	6400 kg / 6675 kg (optional)



- *₁ MTOM, ISA, Sea Level, paved dry runway, 0 Wind, 0 Slope, Flaps 1, engine failure at V1 |
- *₂ MLM, ISA, Sea Level, paved dry runway, 0 Wind, 0 Slope, Flaps DN, unfactorized data
- *₃ MTOW, ISA, Sea Level, FL100, 100NM Alternate, 30Min Final Reserve

With its Transport Category OEI field performance, control and engine responsiveness and wide range of operational speeds (74 to 223KIAS), the Do 228 NXT ensures safe margins throughout the entire mission envelope.

Range of take-off distance

- 2,600 ft at MTOW, ISA, SL
- 3,150 ft at MTOW, ISA +10°C, 2,000 ft elevation
- 4,000 ft at MTOW, ISA +20°C, 4,000 ft elevation

Accelerate stop distance range

- 2,500 ft at MTOW, ISA, SL
- 3,000 ft at MTOW, ISA +10°C, 2,000 ft elevation
- 3,600 ft at MTOW, ISA +20°C, 4,000 ft elevation

Range of unfactored landing distance

- 1,480 ft at MLW, ISA, SL
- 1,590 ft at MLW, ISA +10°C, 2,000 ft elevation
- 1,730 ft at MLW, ISA +20°C, 4,000 ft elevation

Climb at ISA, SL conditions

- normal 1,570 ft/min
- single engine 400 ft/min

Speed

- max cruise 223 KIAS
- min control 74 KIAS

Avionics

The cockpit is fitted with 4 large UNIVERSAL® displays, featuring one Primary Flight display (PDF) and one Multi-Function Display (MFD) in front of each crew member located in the central panel.

Additionally, an Electronic Standby Instrument System (ESIS) is installed between the two MFDs. Those crystal clear sunlight-readable HD displays provide the pilots with the specific information required during each phase of the mission.

- Fully integrated Universal® EFI-890R avionics suite with four displays
- Autopilot, Flight Management System with RNP and LPV approach capabilities (dual SBAS/ WAAS GPS), dual AHRS, dual ADC, Ground Proximity Warning System, TCAS II, weather radar and more



Options & Mission Equipment

- TACAN, V/UHF, HF, CVR, FDR, Satellite Communication, Marine Radio, SAR DF and more
- Roller door, bubble windows, wing station hardpoints, additional electrical heater for polar operation, lavatory compartment, wet wing option, fuel dump, anti-skid system, logo lights and more
- Video stream to MFD for Mission Operation
- Customized provisions for mission systems or full integration
- Ergonomic mission operator consoles

Key Features

- four 8.9 inch liquid crystal HD displays
- designed for increased situational and flight safety awareness
- Primary Flight Display (PDF) with multiple settings to match mission segment requirements
- navigation display with TAWS overlay
- Terrain cross-section analysis along the flight path
- multi-sensors FMIS with LPV monitor
- duplex communication capability between FMS and operator's consoles
- emergency ESIS with navigation capability
- charts and airport diagrams (optional)
- checklist (optional)
- moving map (optional)
- native NVG PFD/MFD display available (not add-on filters)
- obstacle cross-section view along the flight path
- Synthetic Vision (optional)



Training

General Atomics AeroTec Systems is an EASA-approved training organization with comprehensive training programs:

Type Rating Training Dornier 228 (DO 228)

Technicians can be trained directly for a DO 228 Type Training up to Level B1/B2

Flight instructor Training CRI(A) DO 228

Difference Training

Refresher training for previously mentioned courses

Maintenance Check flight Training

DO 228 pilot training and simulator

Pilot training in the state-of-the-art DO 228 flight simulator at GA-ATS in Oberpfaffenhofen.

GA-ATC, together with the Belgium simulator manufacturer Euramec, designed a SIM representing a DO 228-212 NG. As the OEM of the DO 228, GA-ATC provided the necessary data package based on actual flight



test data. Therefore, the new simulator closely replicates the real aircraft in handling qualities and performance figures. The certified flight simulator can be used for complete DO 228 pilot training, like IFR training and checking including all modern GPS-based navigation procedures, TCAS, TAWS and weather radar system training.

The state-of-the-art simulator is capable of simulating all possible weather conditions, including adverse conditions like thunderstorms and microbursts. Pilots can simulate and train for every emergency and malfunction, as the simulator features detailed replications of all aircraft systems.

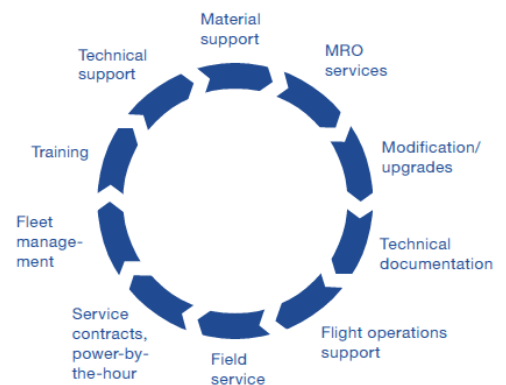
The DO 228 simulator is certified by the German Luftfahrt-Bundesamt (LBA) as Flight and Navigation Procedure Trainer Level II (FNPT II).

Support

As DO 228 XT manufacturer, General Atomics AeroTex Systems also offers comprehensive support services, ensuring that the aircraft can be operated safely, economically and in accordance with the customer's requirements at any time.

The international customer support services comprise of technical support and supply of spare parts, documentation, field service and training. In addition, we offer a Total Care service, which provides full technical support and guaranteed availability for a fixed price per flight hour.

Availability: Technical Support via 24 h AOG Hotline
 DO 228 Material Support
 GA-ATS Sales for MRO / Upgrades



- Product improvements and technical support, including on-site support services
- Modifications for customer-specific mission equipment, engine subsystems and avionics upgrades
- Technical support that goes beyond basic documentation, for example, Service Problem Report (SPR) and Repair Approval Sheet (RAS) for complex repairs
- Spares and parts supply for your parts sourcing and planning, including pricing transparency on spares and exchange parts
- MRO support services for all your fleet management and heavy maintenance needs, including dedicated regional sales and customer support managers
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- Aircraft painting of complete exteriors or partial painting and touch-ups in our in-house paint shop
- Cabin interior refurbishments, restyling and retrofits
- Service and Pay-by-the-Hour Program contracts
- Fleet management aligned with CAMO
- Special requests on pricing strategies and product improvement

