

# ARCHIVED REPORT

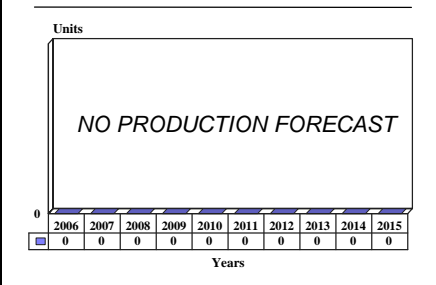
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## AvCraft 328JET - Archived 5/2007

### Outlook

- New owner to support existing fleet, but will *not* resume production
- Very small number of partially completed aircraft available

### 10 Year Unit Production Forecast 2006 - 2015



### Orientation

**Description.** Twin-turbofan, short-range passenger transport aircraft.

**Sponsor.** Privately sponsored by AvCraft Aerospace GmbH, Leesburg, Virginia, USA.

**Status.** Bankrupt AvCraft acquired by UK Corporate Jet Service January 2006; no further production planned.

**Total Produced.** Approximately 100 328JETs delivered through 2005.

**Application.** 32-34-seat regional/commuter commercial passenger service.

**Price Range.** \$11.5 million in 2005 dollars.



FAIRCHILD 328JET

Source: Fairchild Aerospace

## AvCraft 328JET

## Contractors

## Prime

|                         |  |
|-------------------------|--|
| <b>AvCraft Aviation</b> | <a href="http://www.avcraft.com">http://www.avcraft.com</a> , 803 Sycolin Rd, Suite 204, Leesburg, VA 20197 United States, Tel: + 1 (703) 737-6600, Fax: + 1 (703) 779-8400, Email: <a href="mailto:info@avcraft.com">info@avcraft.com</a> , Prime |
|-------------------------|--|

## Subcontractor

|   |  |
|---|--|
| <b>Pratt &amp; Whitney Canada</b>   | <a href="http://www.pwc.ca">http://www.pwc.ca</a> , 1000 Marie-Victorin Blvd, Longueuil, J4G 1A1 Quebec, Canada, Tel: + 1 (450) 677-9411, Fax: + 1 (450) 647-3620, Email: <a href="mailto:marketing@pwc.ca">marketing@pwc.ca</a> (PW306B Engine) |
| Comprehensive information on Contractors can be found in Forecast International's "International Contractors" series." For a detailed description, go to <a href="http://www.forecastinternational.com">www.forecastinternational.com</a> (see Products & Samples/Governments & Industries) or call + 1 (203) 426-0800. |  |
| Contractors are invited to submit updated information to Editor, International Contractors, Forecast International, 22 Commerce Road, Newtown, CT 06470, USA; <a href="mailto:rich.pettibone@forecast1.com">rich.pettibone@forecast1.com</a>  |  |

**NOTE(S):** AvCraft Aviation has since declared bankruptcy. The company has been acquired by UK Corporate Jet Services, which will support the existing fleet but will not resume production of the aircraft.

## Technical Data

|                       | <u>Metric</u> | <u>U.S.</u> |
|-----------------------|---------------|-------------|
| <b>Dimensions</b>     |               |             |
| Length                | 21.28 m       | 69.75 ft    |
| Wingspan              | 20.98 m       | 68.81 ft    |
| Height                | 7.24 m        | 23.75 ft    |
| <b>Weight</b>         |               |             |
| Empty weight          | 9,344 kg      | 20,600 lb   |
| Max TOW               | 15,200 kg     | 33,510 lb   |
| <b>Performance</b>    |               |             |
| Takeoff requirements  | 1,359 m       | 4,460 ft    |
| Max cruise speed      | 405 kt        | 405 kt      |
| Typical range, approx | 1,370 km      | 740 nm      |

**Propulsion**

328JET (2) Pratt & Whitney Canada PW306B high-bypass-ratio turbofan engines rated approximately 26.8 kN (6,050 lbst) at takeoff.

**Seating**

328JET. 32-34 passengers.

## Variants/Upgrades

328JET. Baseline model requiring minimal changes to existing turboprop-powered Dornier 328 airframe. Aircraft flew in January 1998, first deliveries in 1999.

428JET. Stretched by 11 feet, fitted with increased-span (by 6.5 ft) wing with modified flaps. Design finalized in 1998, launched in May 1998. Israel Aircraft

Industries was to produce the fuselage; powered by 6,050 lbst PW306 engines. Program terminated in August 2000.

Envoy 3. Corporate version seating 10. Cruises at 400 knots and has a range of 2,400 nautical miles.

## Program Review

**Background.** When U.S. manufacturer Fairchild acquired an 80 percent stake in Dornier in 1996, it began studies of both a 50-seat variant and a fan-powered version of the German firm's 328 twin-turboprop. The new company issued a go-ahead for the 328JET model as its first priority. This version was to be followed by the stretched 428JET (see **Variants/Upgrades**, above).

In 1997 Fairchild Dornier chose Pratt & Whitney Canada's PW306B to power the 328JET. First flight occurred in January 1998, with initial deliveries in 1999. The 428JET, scheduled to debut in early 2002, was canceled in August 2000.

### *Turbulence*

The program was severely disrupted by Fairchild Dornier's well-publicized troubles, which were exacerbated when Atlantic Coast Airlines canceled orders for 32 aircraft in mid-2002.

In 2003 Virginia-based AvCraft, a company specializing in aircraft completions and refurbishment, acquired the 328JET program. The company said it had found buyers for the 18 "white tails" (completed but unsold aircraft), adding that serious interest had been expressed for more than 100 additional orders.

AvCraft claimed to be finding particularly strong interest for customized, non-airline versions for the executive transport mission. The new owner said it expected to roll out the first new-production aircraft in April 2005 at its works in Oberpfaffenhofen, Germany.

### *Another Bankruptcy*

AvCraft struggled, was unable to resume production, and, after selling off a few of its new white tails, the company slipped into bankruptcy in 2005. It has since been acquired by UK Corporate Jet Services, which will support the existing fleet but will not resume production of the aircraft.

## Timetable

| <u>Month</u> | <u>Year</u> | <u>Major Development</u>  |
|--------------|-------------|---|
| Early        | 1996        | Dornier evaluates Turbofan version of 328   |
| Mid          | 1996        | Fairchild acquires 80 percent stake in Dornier Luftfahrt                            |
| Jan          | 1997        | Fairchild Dornier selects PW306/9 engine for 328JET                                 |
| Feb          | 1997        | 328JET officially launched  |
| Jan          | 1998        | Prototype first flight  |
| May          | 1998        | 428JET launched   |
| Aug          | 1999        | 328JET deliveries begun   |
| Aug          | 2000        | 428JET canceled   |
| Jan          | 2003        | AvCraft acquires program  |
| Jan          | 2006        | UK Corporate Jet Services acquires bankrupt AvCraft; production will not be resumed |

## Worldwide Distribution / Inventories

| <u>Operator</u>                                  | <u>Designation</u> | <u>QTY</u> |
|--|--------------------|------------|
| Aero-Dienst, GmbH & Co. KG                       | Do 328JET          | 2          |
| Air Vallee SpA - Services Aeriens Du Val D'Aoste | Do 328JET          | 1          |
| Atlantic Coast Airlines (FLYi, Inc.)             | Do 328JET          | 1          |
| Avcraft Aerospace                                | Do 328JET          | 2          |
| Chang'an Airlines, Co. Ltd.                      | Do 328JET          | 17         |
| Cirrus Airlines                                  | Do 328JET          | 2          |
| Delta Air Corp                                   | Do 328JET          | 1          |
| Delta Air Lines, Inc                             | Do 328JET          | 29         |
| Hainan Airlines                                  | Do 328JET          | 9          |
| Italair  | Do 328JET          | 1          |
| Itali Airlines                                   | Do 328JET          | 1          |
| Jet Alliance (Austria)                           | Do 328JET          | 1          |

## AvCraft 328JET

| <u>Operator</u>                         | <u>Designation</u> | <u>QTY</u> |
|---|--------------------|------------|
| Private Wings Flugcharter,GmbH          | Do 328JET          | 2          |
| Shell Petroleum                         | Do 328JET          | 3          |
| Skyway Airlines, Inc. (Midwest Connect) | Do 328JET          | 9          |
| St. Thomas Energy Exports               | Do 328JET          | 1          |
| Sun-Air of Scandinavia A/S              | Do 328JET          | 2          |
| Tyrolean Jet Service, Nfg GmbH & Co. KG | Do 328JET          | 2          |
| Ultimate Air                            | Do 328JET          | 2          |
| Wanair Taxi Aereo Ltda                  | Do 328JET          | 1          |
| Welcome Air Luftfahrt, GmbH & Co. KG    | Do 328JET          | 1          |

**Market Intelligence Service Subscribers:** The Airline Inventories, Orders and Options appendix provides instructions on how to access an online database of up-to-date listings. Use this database to obtain detailed, current information.

## Forecast Rationale

UK Corporate Jet Services acquired bankrupt AvCraft Aerospace in December 2005. The new owner will not re-start production but will support, repair and overhaul about 220 of the estimated 325 twin-turboprop Fairchild Dornier 328 and fan-powered 328JET aircraft in worldwide service.

The new owner also owns executive charter operator Club328, which operates a number of both turboprop and turbofan versions of the 32-34-passenger transport.

Although accounts differ as to specific numbers, there are a small number of partially completed 328JETs but at this time it is unclear whether UK Corporate Jet Services acquired these as part of the recent deal.

In any case, there will be no further 328JET production.

## Ten-Year Outlook

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No production forecast.

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