

## The Dash 8 Maritime Patrol Aircraft

### DHC-8 100/200/300

The Dash 8 Maritime Patrol Aircraft (MPA) is used by multiple government agencies for Search and Rescue operations. We have over 50 Special Mission DHC-8 operating throughout the world and our customers include the coastguards of Japan, Iceland and Sweden, the Australian government, and the US Customs and Border Protection. Field Aerospace has also developed intelligence, surveillance and reconnaissance (ISR), flight inspection and VIP versions of this aircraft.



Field Aerospace has developed several STCs applicable to many different aircraft systems thus adding even greater versatility to this aircraft for our commercial and special mission customers. We have performed the EFI-890R glass cockpit instrumentation upgrade for many different special mission and airline operators. This state of the art upgrade STC replaces over 30 legacy components with 5 LCD displays and is certified for all -100, -200 and -300 series.

### Aircraft Applicability

- DHC-8-100
- DHC-8-200
- DHC-8-300

### Baseline Mission Modifications

- Operator Consoles
- Observation Windows
- Equipment Stowage Racks
- Overhead Baggage Bin Removal
- Moveable Cargo Bulkhead with Crew Door
- Galley Mods and Relocation
- Crew Rest/Work Area
- Drop Hatch
- Air Operable Door
- Life Raft Launcher
- Pressurized/Unpressurized Launch Tubes
- AC and DC APU Generator Conversions
- Mission Crew Seating
- Search Radar Integrations
- Electro-optical Integrations

### Complementary Modifications

- DHC-8-202 Max Gross Takeoff Weight 1000 LBS increase
- Auxiliary Fuel Systems
- EFI-890R Glass Cockpit Upgrade



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### DHC-8 100/200/300

#### Aircraft Systems and Sensors

- Mission Management Systems
- Electro-Optical / Infra-Red (EO/IR) Systems
- Search Radar
- Side Looking Airborne Radar (SLAR)
- UV/IR Line Scanner
- Direction Finder
- Internal Navigation Systems (INS)
- Multi Mission Management System (MMMS) FMS
- Mission Power Systems
- Digital Mission Audio Systems
- Communication Systems
- Data Link Systems
- Moving Map Systems
- Auxiliary Display Systems
- Terrain Awareness and Warning System Override
- Long Range Fuel Systems

#### Certification Basis

Numerous Transport Canada, FAA, EASA, CASA and JCAB STC's:

- TC STCs #O-LSA12-106/D, #SA07-80, #SA09-15, #SA08-76, #SA4-96, #O-LSA96-061, #O-LSA00-133, #O-LSA06-027/D
- FAA STCs #ST03270NY, #ST03253NY, #ST03252NY, #ST03790NY, #ST02050NY
- EASA STCs #10016129, #(EASA.IM.A.S.02323), #10027252, #(EASA.IM.A.S.02934)

The DHC-8 MPA Modifications include Long Range Fuel Tanks, Search and Side Looking Airborne radar, an IR/UV scanner, EO/IR camera, Air Operable Door, Sonobuoy launch tube and drop hatch.

In addition, our modifications include Operator Consoles, Equipment Racks, Observation Windows, Mission Management System, Galley, Lavatory and Crew Rest Area.



Search and Side Looking Airborne Radars



Air Operable Door



EO/IR Camera



Sonobuoy Launch Tube



Mission Console



Observation Window

We have over 100 STCs on the DHC-8 aircraft including:

- Long Range Fuel Tanks
- Air Operable Door
- APU Removal
- MTOW increase
- Enhanced Ground Proximity Warning System
- On Ground External Door Lock Kit
- FMS Upgrades
- VIP Interiors

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