IKHANA is proud to offer the RWMI DHC-6 300HG™ Increased MTOW Standard Commuter Category STC. Along with the added benefits of more horsepower, a four blade propeller that offers improved performance and noise reduction, the enhanced gross weight capability now provides operators with more ability to optimize payload and expand mission capability whether it be going farther, carrying more, or staying on station longer.

Expand your horizons! A 300 Series Twin Otter can now take 19 passengers with 2 crew and fly over 400 nautical miles. Big picture, it offers increased utility with a rapid return on investment without compromise.

The RWMI DHC-6-300HG™ STC authorizes the operation of DHC-6-300 Series Twin Otters to a maximum take-off weight of 14,000 pounds with PT6A-34 Engines operating at 750 SHP and a Raisbeck/Hartzell 4-blade “Scimitar” propeller.

In addition to the MTOW and horsepower increases, the STC provides immediate benefits:

- Added payload capacity
- Optimized payload and range
- Increased value proposition to the customer
- Revenue generation
- Higher asset value
- Clear return on investment

Payback dependent on mods required
An unrestricted increase in shaft horsepower, enhanced mission capability, greater payload flexibility and noise reduction combined with performance surpassing that of the standard 300 series, there is no need to give something up to get something better.

**PAYLOAD INCREASE OF 31%**
INCREASED PAYLOAD FROM 4,800 LBS (2177 KG) TO 6,300 LBS (2857 KG)
BASED ON EMPTY WEIGHT OF 7,700 LBS (3492 KG)

**HORSEPOWER GAIN OF 21%**
(750 SHP INCREASED FROM 620 SHP=130HP PER ENGINE)

**MTOW INCREASE OF 12%**
12,500 LBS (5670 KG) TO 14,000 LBS (6350 KG)
INCREASES MTOW BY 1,500 LBS (680 KG)

**NOISE REDUCTION OF 5%**
*Noise signature improvement of 4 db*
You’ve got the option whether you need more range or just more payload.

*RANGE • PAYLOAD*

MTOW = 14,000 lbs. (6350 kg.)

*IKHANA RWMI DHC-6-300HG™ RANGE-PAYLOAD CHART CONDITIONS:*
- DHC-6-300HG™, 2 Crew
- Empty weight 7,700 lb. (3492 kg.)
- Full fuel including wing tanks = 3,175 lb. (1440 kg.)
- All takeoffs at 14,000 lb. (6350 kg.)
- Sea level origin and destination
- Mission: Day VFR, 45 Min. Reserve
- Enroute climb and descent
- 10,000 ft. cruise @ 85% RPM
ENHANCEMENTS

- PT6A-34 engines with 750 HP
- Raisbeck/Hartzell four (4) bladed “Scimitar” propellers
- Main Landing Gear interface reconfigured for the additional loading using same OEM gear leg configuration
- Aerodynamic modifications including:
  - Horizontal stabilizer finlets

SPECIFICATIONS

OPERATION REQUIREMENTS: The DHC-6-300HG™ is operated in accordance with IKHANA FAA Approved Airplane Flight Manual Supplements based on airplane configuration.

- NOTE: Required modifications vary depending on aircraft existing modification status.
- Designed to be incorporated at operator’s maintenance facility, expected down time is 2-3 weeks.

MOD STATUS PRE-REQUISITES FOR STC INCORPORATION

- PT6A-34 Engines
- Extended Range Wing Tip Tanks (SOO-6095)
- Cleveland Wheels & Brakes
- Currently approved in the landplane configuration only
- Other configurations coming soon
IKHANA Aircraft Services, a DBA of IKHANA Group Inc., provides DESIGN - BUILD - FLY solutions to the aerospace industry through integration of new technologies, aircraft modifications, heavy maintenance, major repair, and critical parts manufacturing. Headquartered at the French Valley Airport (F70) in Murrieta, California, IKHANA holds FAA, EASA, Transport Canada, and Fiji repair station approvals, FAA Parts Manufacturer Approval (PMA), and is a Viking Air Factory Endorsed Service Center. IKHANA has a proven reputation for developing unique engineered solutions across a wide variety of aircraft platforms and diverse customer base including extensive experience in the DHC-6 Twin Otter, King Air, and Gulfstream airframes.