

REDSTAR
A V I A T I O N



BOMBARDIER
CHALLENGER
605

Redstar announces world premiere by welcoming a Challenger 605 to its fleet!



Redstar Aviation known with her dominating medium size air ambulance fleet comprising of Bombardier Learjet 45 XRs, now added a Bombardier Challenger 605 (CL 605) under her own AOC and as of July 2021, is offering this large size jet as part of her air ambulance fleet.

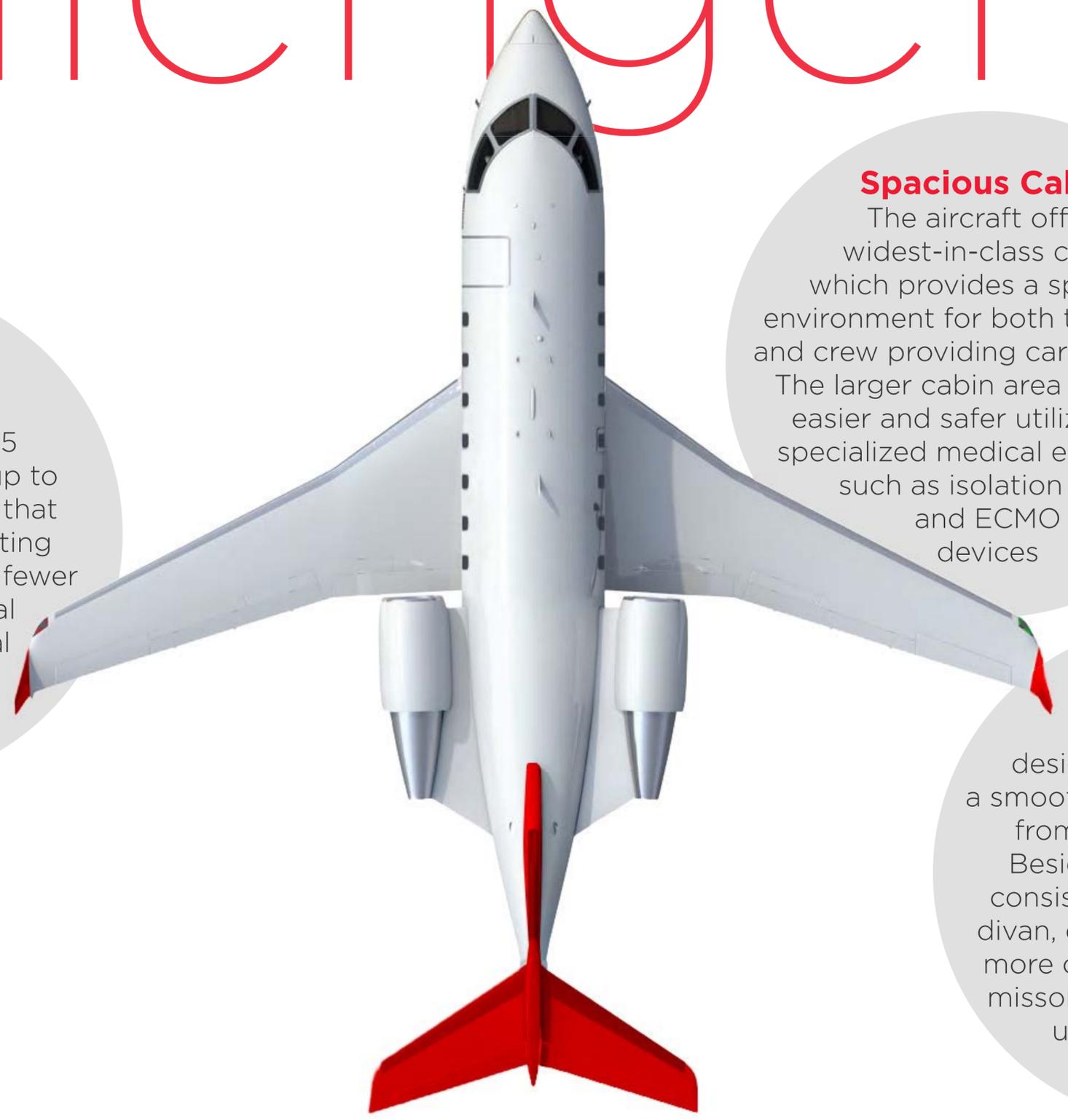


spacious cabin

long range

maximum comfort

Challenger 605



Long Range

As a long-distance performer, the CL 605 provides single legs of up to 4,000 miles / 7,400 km that enables aircraft conducting long-range missions with fewer or even zero technical stops which is crucial for time critical medevac missions



Spacious Cabin

The aircraft offers widest-in-class cabin, which provides a spacious environment for both the patient and crew providing care on board. The larger cabin area allows for easier and safer utilization of specialized medical equipment such as isolation units and ECMO devices



Comfort

Its specifically designed wings provides a smooth ride for the patient(s) from take-off to landing. Besides, seating capacity consisting of a club seat & a divan, enables to accommodate more companions during the missions which covers a very unique need of the clients

Technical specifications

GENERAL

CAPACITY

Crew: 2+1
Capacity: Up to 3 stretchers*
* Additional seats for four companions

ENGINES

General Electric CF34-3B turbofans
Thrust: 8,729 lb (38.84 kN)
Thrust with APR: 9,220 lb (41.0 kN)
Flat rated to: ISA + 15 C (86 F)

PERFORMANCE

RANGE

Maximum range: 4,000 NM 4,603 SM 7,408 km
(Theoretical range with NBAA IFR reserves, ISA, 6 pax/2 crew, typical BOW and maximum allowable fuel. Actual range will be affected by speed, weather, selected options and other factors.)

SPEED MACH	Mach	kt	mph	km/h
High-speed	0.82	471	541	870
Typical cruise speed	0.80	459	528	850
Long-range speed	0.74	425	489	787

NOISE LEVEL (EPNDB)

Flyover: 81.2
Approach: 90.3
Lateral: 86.2

AIRFIELD PERFORMANCE

Takeoff distance (SL, ISA, MTOW):
5,840 ft (1,780 m)

Landing distance (SL, ISA, MLW):
2,775 ft (846 m)

OPERATING ALTITUDE

Max. operating altitude (MTOW):
41,000 ft (12,497 m)

Initial cruise altitude:
37,000 ft (11,278 m)

DIMENSIONS

INTERIOR

Cabin length: 28.25 ft (8.61 m) *(from cockpit divider to end of pressurized compartment)*,
Cabin width: 8.17 ft (2.49 m) (centerline), **Cabin width:** 7.17 ft (2.19 m) (floorline),
Cabin height: 6.08 ft (1.85 m), **Floor area:** 202 ft² (18.8 m²) (excluding cockpit),
Cabin volume: 1,150 ft³ (32.6 m³) (from cockpit divider to end of pressurized compartment)

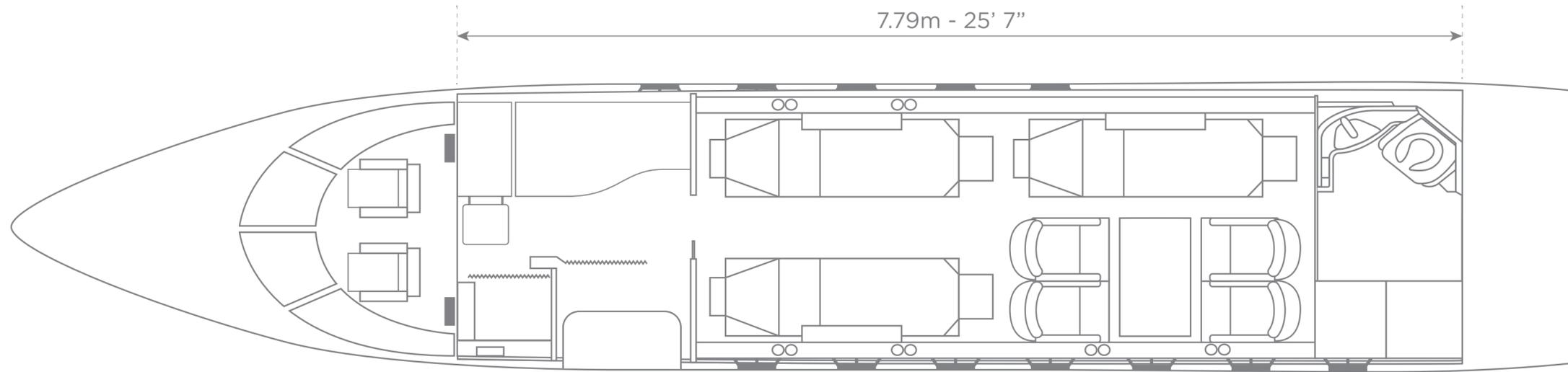
E. Typical basic operating weight: 27,150 lb (12,315 kg)
F. Max. fuel weight: 20,000 lb (9,072 kg)
Max. payload (D-E): 4,850 lb (2,200 kg)
Payload with max. fuel (A-E-F): 1,150 lb (522 kg)
Fuel with max. payload (A-D): 16,300 lb (7,394 kg)

(1) Theoretical range with NBAA IFR Reserves, ISA, LRC, 6 pax /2 crew. Actual range will be affected by speed, weather, selected options and other factors.
(2) From cockpit divider to aft most cabin without baggage compartment.

Operational Radius

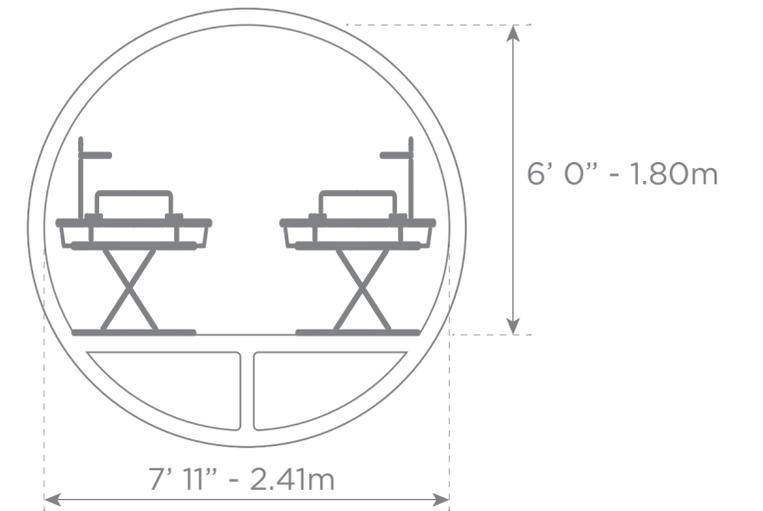
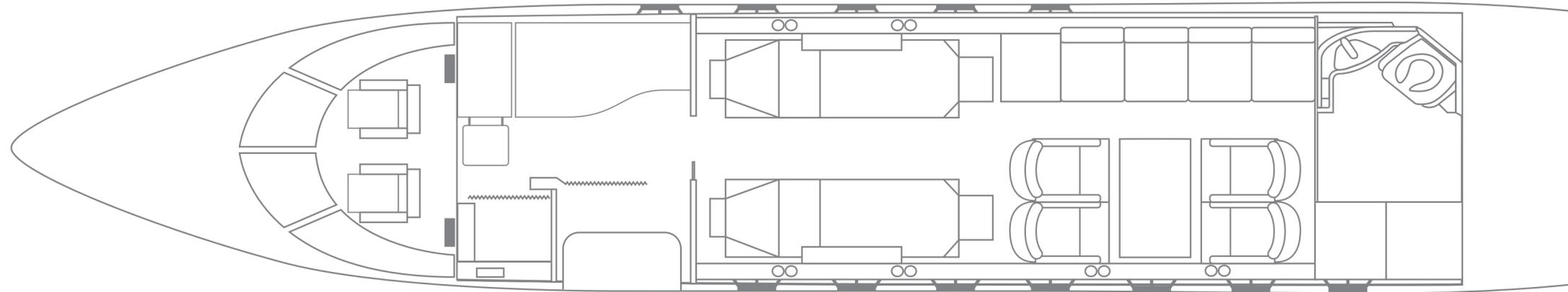


7.79m - 25' 7"



Standard interior configuration

Excellent cabin size in its class, up to three stretcher configuration and additional seats for up to four companions, 12 + 1 seat capacity in pax configuration



Dedicated for medevac services, the CL 605 can be configured to accommodate up to three stretcher patients staffed with four medical crew members. State-of-the-art medical equipment and 25,000+ LT oxygen capacity allows for patients of all clinical severity to be transported at greater distances. The CL 605 aircraft is also equipped with a wider 22' (55 cm) stretcher mattress, providing additional stability and comfort to patients





Within dual stretcher configuration, the seating layout includes a club-4 dining seat and a 4-seater sofa allowing to accommodate up to six companions comfortably during the flight which is a specific solution covering the a very unique need of the clients.

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A V I A T I O N

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