

THE C-27J ADVANTAGE

JUMP SAFETY

The C-27J provides greater jump safety for SAR personnel and can accommodate a greater jump weight. Its side doors provide higher clearance than even Canada's CC-130's and a higher clearance on its mid-air operable rear ramp than other competitors. The greater distance between the C-27J's propeller and fuselage also minimizes turbulence.

FEATURE	C-27J	EADS/CASA C-295	THE ADVANTAGE	
			C-27J	C-295
Side Door Height	1.92 m (6.3 ft)	1.75 m (5.74 ft)	✓	
Rear Door Height	2.25 m (7.38 ft)	1.7 m (5.58 ft)	✓	
Maximum Jump Weight	159 kg (350 lbs)	100 kg (220 lbs)	✓	
Distance between propeller and fuselage	104 cm (41 in)	33 cm (13 in)	✓	

CAPACITY

The C-27J rounds out these superior features with greater capacity than the C-295.

CAPABILITY	C-27J	EADS/CASA C-295	THE ADVANTAGE	
			C-27J	C-295
Maximum Take-off Weight	31,800 kg (70,107 lbs)	23,200 kg (51,146 lbs)	✓	
Maximum Payload	11,500 kg (25,353 lbs)	9250 kg (20,393 lbs)	✓	
Maximum Landing Weight	30,500 kg (67,241 lbs)	23,200 kg (51,146 lbs)	✓	
Floor Strength	4900 kg/m	1000 kg/m	✓	
Fully-equipped paratroops at 20" seats MIL-S-27174B	46	41	✓	
Stretchers and medical attendants	36 + 6	24 + 4	✓	

MISSION ACCOMPLISHMENT

The C-27J's structural strength, greater power and higher system redundancy provides greater safety and a higher mission accomplishment rate than the C-295.

FEATURE	C-27J	EADS/CASA C-295	THE ADVANTAGE	
			C-27J	C-295
Hydraulic Circuit	Double	Single	✓	
Generators	3	2	✓	
Alternators	3	2	✓	
Transformer Rectifier Unit (TRU)	3	1	✓	
Fuel Jettison	Yes	No	✓	
Auxiliary Power Unit (APU)	Yes	No	✓	
Engine Restart Options	3	1	✓	
Wing & Vertical Tail Structure	3-spar	2-spar	✓	



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The C-27J sets the standard and beats the competition in every significant performance criteria required by the Canadian Forces for Fixed-Wing SAR.

SPEED AND RANGE

The C-27J can fly faster and farther than the C-295. It can reach search locations anywhere in Canada, including those in the far North and at sea, much sooner and can cover more terrain. It can also carry more weight over longer distances and complete more missions in the same period of time.

CAPABILITY	C-27J	EADS/CASA C-295	THE ADVANTAGE	
			C-27J	C-295
Maximum Cruise Speed	325 KTAS (602 km/h)	260 KTAS (480 km/h)	✓	
Maximum Engine Power	4637 SHP	2645 SHP	✓	
Ferry Range*	3200 nm (5926 km)	2810 nm (5204 km)	✓	
Range* with 8000 kg Payload at 2.25g	1650 nm (3056 km)	1187 nm (2198 km)	✓	
Range* with 8000 kg Payload at 2.5g and 3.0g	1250 nm (2315 km)	0 nm (0 km) **	✓	

* ISA - Long Range Cruise (LRC) procedures - Reserves: 45 min holding at 1524 m (5000 feet)

** The C-295's Maximum Payload at 2.5g is 7000 kg and it does not have 3.0 g capabilities

MANOEUVRABILITY AND VERSATILITY

The C-27J is more manoeuvrable and versatile than the C-295. It performs better at slow speeds and low altitudes, can make tighter turns, can climb and descend more quickly, and can take-off and land in less distance.

CAPABILITY	C-27J	EADS/CASA C-295	THE ADVANTAGE	
			C-27J	C-295
Take-off Run at Max. Take-off Weight	580 m (634 yards)	844 m (923 yards)	✓	
Landing Roll at Max. Landing Weight normal	340 m (372 yards)	680 m (743 yards)	✓	
Ability to perform up to 3.0g force manoeuvres	Yes	No	✓	

VISIBILITY

The C-27J provides much better visibility than the C-295, which is essential for successful searching and manoeuvring in mountainous terrain.

FEATURE	C-27J	EADS/CASA C-295	THE ADVANTAGE	
			C-27J	C-295
Cockpit Windows	16	7	✓	
Cockpit Window Area	> 4.5 m ² (48.4 ft ²)	~ 2.25 m ² (24.2 ft ²)	✓	

CABIN AREA

The C-27J's higher and wider cabin area is much more conducive to efficient and safe SAR operations. Only in the C-27J can SAR personnel manoeuvre freely in the cabin.

FEATURE	C-27J	EADS/CASA C-295	THE ADVANTAGE	
			C-27J	C-295
Cabin Height	2.6 m (8.53 ft)	1.9 m (6.23 ft)	✓	
Cabin Floor Width	2.45 m (8.04 ft)	2.36 m (7.75 ft)	✓	
Cabin Cross Section	6.96 m ² (75 ft ²)	4.60 m ² (49.5 ft ²)	✓	



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