

Differences between G-450 and G-550

AIRCRAFT	G450			G550		
GENERAL	Cat D			Cat C		
Size	Length: 89'3" Width : 77'4" Height: 25'2" Turn Radius: 55'3"			Length: 96'5" ... +7'2" Width : 93'6" ... +16'2" Height: 25'11" ... +9" Turn Radius: 62'		
Weights(Lbs)	Ramp - 75.0	T/O - 74.6		Ramp - 91.4	T/O - 91.0	
	Landing - 66.0	ZFW - 49.0		Landing - 75.3	ZFW - 54.5	
	Fuel - 29.5			Fuel - 41.3		
Engine	TAY Mk 611-8C	Keep out Zone		RR BR710 C4-11	Keep out Zone	
	13,850 lbs	60-72% LP		15,385 lbs	66-80% LP.	
Oil	Check within 30 minutes of Shutdown	No X-Wind technique Req'd.		Check between 5-30 minutes of Shutdown	Fan spd ltd to <66%LP till FWD spd of 20Kts, above 20Kts slam acc (A/T) to T/O power req'd. Add 600 ft to req'd field length.	
Max Levels	FL450 Max (6000ft Cabin)			FL 510 (FL 490) (6000ft Cabin) Single Pack – FL480		
BATTERIES	24V/45amp – Lead Acid			24V/53 amps – Nicad		
IDGs	40 KVA Limited to 18 KVA, Temp >43.5			40 KVA No Temp Limit		
HMGs	5 KVA (Tail compartment)			10KVA (Wheel Bay)		
BLEEDS	7/12 th stage	Unable Bleeds OFF T/O	Normal 9.64 Amber 9.74 Red 9.94	5/8 th stage	APU Bleed available to 1500ft AGL for T/O	Normal 10.17 Amber 10.28 Red 10.48
ECS	No Norm/Low Flow Switch			NORM/LOW Switch		
APU	Honeywell 36-150 40KVA Inlet door Right Side Start Envelope up to FL370 APU Air Avail +90 sec APU Start (Air) uses only L Batt			Allied Signal RE-220 40KVA Inlet Door Left Side Start up to FL390, Avail up to FL 450 May start up to FL430 APU Air Avail +60 Secs APU start (Air) – Left Batt ON Right Batt OFF		
FUEL	No HFRS 1 Temp Probe left hopper Fuel Balance: <55.0 2000lbs (Flight) >60.5 400lbs (Flight)			HFRS (0°-10°C) 2 Temp Probes left and right hopper Fuel Balance: 2000lbs In Flight 1000lbs On Ground		

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HYDRAULICS Aux Pump	Left: 2.8G Right: 0.7G In Tail Compartment Aux Pump: 1GPM Powers: <ul style="list-style-type: none"> - Main Entrance Door - Flaps - Brakes, Brake Acc - Landing gear and gear doors for maintenance operations 	Left: 4.8G Right: 1.6G In Wheel Well (Aux Pump has Bootstrapping Feature) Aux Pump: 2GPM Powers: <ul style="list-style-type: none"> - Nosewheel Steering - Main Entrance Door - Flaps - Brakes - Standby Rudder (YD1)
ENGINE	Max Starting: 25 Kts X-Wind 25Kts Tailwind 200° TGT (Max temp before start) Start upto FL250 Windmilling only (250-324 Kts)	30 kts X-Wind 20 kts Tailwind 150° TGT (Max temp before start) Rotor Bow Start (Engine shut down >20mins but <5hrs) Start upto FL250 Start assist up to 250kts Windmilling > 250-340kts
FLIGHT CONTROLS Standby Rudder Lateral control and Spoiler SW Flaps	Not fitted	Available via guarded switch
	Lateral Switch, Shuts Off All surfaces on wing To reset Recycle CB POP, C4	Spoiler Switch Shuts Off only Spoilers To reset - Off then On
	No Elevator Disconnect No Ail Disconnect No Ail trim Tab Heater (175°±20°F)	Elevator Disconnect LHS Aileron Disconnect RHS Aileron+Elevator Trim Tab Heaters (175°±20°F)
	No T/R STOW Switches	2 T/R STOW Switches (Red)
	Flaps 39° - 180 Kts Switch for Alt Flap (Channel A or B)	Flaps 39° - 170 Kts No Switch for Alt Flap
MACH TRIM	Inop Max: 0.75	Inop Max: 0.80
BRAKES	Uses Wheel speed only	Uses IRS input
ABNORMAL LDG CONFIG	Flaps 39°, Anti-Skid Inop, Auto Speed brakes. Increase landing field length by 273%	Flaps 39°, Anti-Skid Inop, Auto Speed brakes. Increase Landing field length by 106%
BAGGAGE DOOR	No Limits	Single pack, access to Baggage Comp only At or Below 45000. At or Above 40000 Baggage Compartment access limited to 5 mins