

<u>J120</u>		<u>J120</u>			
<b>Engine</b>		<b>Limitations</b>			
JABIRU 2200-B 85HP @ 3300RPM		Tachometer: 3300 RPM			
<b>Prop:</b> 60"Ø 42° Pitch		CHT (°C): -75 75-180 200			
<b>Oil:</b> 15W50 (W100) 2,2L		EGT (°C): 780+			
<b>Static RPM:</b> 2800<X<3000		Oil Temp (°C): -50 80-100 118+			
<b>Max Continuous:</b> 3000RPM		Oil Press (kpa): 80-220 220-525 525+			
<b>Fuel:</b>		Min Oil Press SAL: 220 kpa Min Oil Pres Desc: 80 kpa			
Fuel Flow: 18 LPH		<b>Tyres</b>			
<u>ZU - FFE/ZU-CIA</u> Capacity: Total - 80L Usable - 75L		<b>Standard Tyres</b>			
<u>Standard</u> Capacity: Total - 65L Usable - 64L		kpa Bar PSI			
<b>C of G</b>		Mains 280 - 315 2.8 - 3.15 41-45			
Forward Limit: 1661mm Aft of Datum		Nose 175 - 210 1.75 - 2.1 26-30			
Aft Limit: 1695mm Aft of Datum		<b>Larger Tyres</b>			
Datum: 1403mm Fwd of Leading Edge		kpa Bar PSI			
Max take-off/landing weight: 500kg		Mains 100-120 1-1,2 14-17			
Empty Weight: 340kg		Nose 100-120 1-1,2 14-17			
<b>Empty Weight</b> = $\frac{(A/C \text{ empty } W) \times (\text{Empty } W \text{ C.G.})}{1000}$		<b>Airspeeds</b>			
<b>Trim Index</b>		Vne 146			
<b>Take-Off Landing Distance</b>		Vno 110 kts			
400m x Safety Factor of 1.3 = 520m		Va 88/91 kts			
* At MSL on dry grass runway, max weight.		Vfe 80 kts			
* Increase distance by 115ft for each 1000' of P.A		Vr 65 kts			
		Vy 68kts			
		Vx 65 kts			
		White Arc 48 - 80 kts			
		Green Arc 80 - 110 kts			
		Yellow Arc 110 - 134 kts			
		Red Line 134 kts			
		Best Glide 65 kts			
		Normal App 30° Flap 63 kts			
		Flapless App 68 kts			
		Short Field App 60 kts			
		Max X-wind Comp 14 kts			