

<b>Jabiru J170-D</b>		<b>Jabiru J170-D</b>															
<b>Engine</b>		<b>Limitations</b>															
JAB 3300 120BHP @ 3300RPM		Tachometer: 3300 RPM															
<b>Prop:</b> 60"Ø 53° Pitch		CHT (°C): 75-180 180-200 200+															
<b>Oil:</b> W100+/15W50 3,3L		EGT (°C): 780+															
<b>Static RPM:</b>		Oil Temp (°C): 80-100 100-118 118+															
<b>Max Continuous:</b> 3300RPM		Oil Press (kpa): 220-525 80-220 525+															
<b>Fuel:</b>		Min Oil Press SAL: 220 kpa Min Oil Pres Desc: 80 kpa															
Fuel Flow: 24 LPH		<b>Tyres</b>															
<u>ZU - IBE</u> Capacity: Usable - 135L Total - 140L		<b>Standard Tyres</b>															
		<table border="1"> <thead> <tr> <th></th> <th>kpa</th> <th>Bar</th> <th>PSI</th> </tr> </thead> <tbody> <tr> <td>Mains</td> <td>280 - 315</td> <td>2.8 - 3.15</td> <td>41-45</td> </tr> <tr> <td>Nose</td> <td>175 - 210</td> <td>1.75 - 2.1</td> <td>26-30</td> </tr> </tbody> </table>					kpa	Bar	PSI	Mains	280 - 315	2.8 - 3.15	41-45	Nose	175 - 210	1.75 - 2.1	26-30
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		<b>Larger Tyres</b>															
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Mains	100-120	1-1,2	14,5-17														
Nose	170-200	1,7-2	24-29														
<b>C of G</b>		<b>Airspeeds</b>															
Forward Limit: 225mm Aft of Datum		Vne 140 kts															
Aft Limit: 272mm Aft of Datum		Vc 108 kts															
Datum: Leading Edge		Va 90 kts															
<u>ZU-IBE</u>		Vfe 80 kts															
Max take-off/landing weight: 600kg		Vr 40 kts															
Empty Weight: 398.5kg		Vy 68 kts															
Empty Weight Trim Index: 55,62		Vx 65 kts															
		Cruise Climb 80 kts															
<b>Empty Weight Trim Index</b> = $\frac{(A/C \text{ empty } W) \times (\text{Empty } W \text{ C.G.})}{1000}$		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 65 kts															
		Flapless App 75 kts															
		Short Field App 55															
		Max X-wind Comp 14 kts															
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<b>Take-Off/Landing Distance</b>																	
266m x 1,3 (Safety Factor)= 346m																	
* MTOW on dry grass runway @ MSL Conditions																	
* Increase 115m for every 1000ft PA																	