

MURRAY BRIDGE FLYING SCHOOL

PALLAMANA AIRFIELD

PIPER PA-32RT-300 (Lance 2)

WEIGHTS

	Kgs	Lbs
Empty aircraft (unusable fuel & oil)	1067.3	2353.4
Maximum takeoff weight (normal)	1632	3600
Maximum landing weight (normal)	1632	3600
Maximum permissible baggage weight	90	200

FUEL AND OIL

	Litres	US galls
Total usable	357	94
Consumption rate / hr (planning)	65	
Oil maximum	12	
Oil minimum	8	

FULL FUEL	357 litres	257 Kgs or 527 Lbs
	Available load	308 Kgs or 679 Lbs
	Endurance	5 Hrs 29 mins (No reserve)

Inner Tanks	190 litres	137 Kgs or 302 Lbs
FUEL	Available load	428 Kgs or 944 Lbs
	Endurance	2 Hrs 55 mins (No reserve)

AIR SPEEDS

	KIAS
Vne (never exceed)	191
Vno (max cruise)	150
Vle (landing gear extension speed)	129
Vlr (landing gear retraction speed)	106
Vma (max manoeuvring)	112
Vfe (flap extension)	109
Vy (best rate of climb)	92
Vx (best angle)	87
Vtoss (take off safety speed)	74
Vs (nil flap)	
Vso (full flap ext)	52
Best glide	92
TAS (flight planning)	140
X-wind (max)	17

APPROACH

Base	95
Mid final	95
At 50 feet	95

These are only recommended figures for accurate figures please consult POH & Flight Manual