

TAMPICO N2824R SPECIFICATIONS Revision 06-01-05

TYPE Model - SOCATA TB9 Tampico, SN 1153
PROPELLOR Engine - Avco Lycoming 0-320 D2A, 160 BHP @2700RPM
Type - Fixed Pitch - Sensenich 74.DM6.S8.054
Idle RPM - 750RPM
Minimum Static RPM (Max Power Check) 2400RPM at Sea Level
Maximum Static RPM 2600RPM at Sea Level

OIL Sump = 8qt Minimum = 5qt Normal Flight (-3 hrs) = 6qts
Principal Type – SAE 15W50 Max consumption .8 qt/hr

FUEL Useable fuel – 40.2 US Gal. total, 20.1 per side Fuel type – 100LL
Total Fuel - 41.7 US Gal, 1.5 total unusable Max fuel imbalance - 12.4 Gal
(13 volt fuel gage electrical accuracy threshold)

ELECTRICAL SYSTEM

Alternator - 28 volt/70 amp unit with 60 amp pull off type breaker
Battery - 24 volt/35 amp-hour unit with 70 amp pull off type breaker
Buses - 3 units. Each with 30 amp pull off type breaker

LANDING GEAR

Inflation Pressures - Nose gear tire @ 45 psi, Main gear tires @ 33.4 psi
Left taxi turn-radius- Main wheel = 17.9 ft, Wingtip = 60.2 ft. Right values greater
Nose Wheel Travel- 22 degrees left, 18.3 degrees right

FLIGHT LOAD LIMITS

Utility Category - +4.4/-1.8Gs with flaps retracted. +2 -0Gs with flaps extended.
Spins Prohibited

SPEEDS

Vne 165 kts Vno 128 kts Vfe 95 kts Vs 58 kts VSo 50 kts Vr 65 kts
Vy - 78 kts with flaps retracted Vx – 67 kts with flaps retracted Va - 122 kts @ 2535 lbs
75 kts with Take off flaps 65 kts with Landing flaps 108 kts recommended
Best Glide - 86 kts Engine Failure on take off - 70 kts Precautionary landing - 65 kts
Short Final - 67 kts Go around – 70 kts with landing flaps / 75 kts with take off flaps

*VY and VX are listed as lower in the POH

CROSSWIND

Maximum demonstrated component - 25 kts
Max landing bank angle - 15 degrees

FLAPS

Type - Electric single slotted. Breaker – 15 amps
Degrees of Flaps Travel - Retracted @ 0 / Take off @10 / Landing @ 25.3

N771TR WEIGHTS

Max Ramp Weight -	2337 lbs	Basic Empty Weight -	1492.9 lbs
Max Take Off Weight -	2337 lbs	Useful Load -	844 lbs
Max Landing Weight -	2337 lbs	Basic Empty Moment -	58.363 lb in/1000
Max Bag Area Weight -	143 lbs		

(Forward CG envelope limit varies from 41.3" to 38.3" depending on weight & category.
Aft limit exists @ 47.4" at all times.)