

Sling LSA Specifications

| | SLING LSA | SLING 2 | SLING 2 TURBO | SLING 4 |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| GENERAL | | | | |
| Seats | 2 | 2 | 2 | 4 |
| Engine | Rotax 912 ULS / iS | Rotax 912 ULS / iS | Rotax 914 UL | Rotax 914 UL |
| Horsepower | 100 hp / 75 kw | 100 hp / 75 kw | 115 hp / 86 kw (turbo) | 115 hp / 86 kw (turbo) |
| Propellor make/operation | Warp Drive / Ground adjustable | Warp Drive / Ground adjustable | Airmaster / Constant speed | Airmaster / Constant speed |
| Propellor blades/diameter | 3 / 72" | 3 / 72" | 3 / 72" | 3 / 72" |
| Main Avionics | MGL Voyager EFIS | MGL Voyager EFIS | MGL Voyager EFIS | MGL Odyssey EFIS |
| Secondary Avionics | Analogue backup instruments | Analogue backup instruments | Analogue backup instruments | Analogue backup instruments |
| SIZES | | | | |
| Overall Length | 21ft 10in / 6.67 m | 21ft 10in / 6.67 m | 21ft 10in / 6.67 m | 23ft 5in / 7.1m |
| Height | 8ft / 2.45m | 8ft / 2.45m | 8ft / 2.45m | 8ft / 2.45m |
| Wingspan | 30 ft 1in / 9.165m | 30 ft 1in / 9.165m | 30 ft 1in / 9.165m | 32ft 8in / 9.965m |
| Wing Area | 127.5 sq ft / 11.8 sq m | 127.5 sq ft / 11.8 sq m | 127.5 sq ft / 11.8 sq m | 134 sq ft / 12.4 sq m |
| Cabin Width | 43.8in / 1.11m | 43.8in / 1.11m | 43.8in / 1.11m | 43.8in / 1.11m |
| WEIGHTS | | | | |
| Max take off weight | 1 320 lbs (600 kg) | 1 540 lbs (700 kg) | 1 540 lbs (700 kg) | 2 028 lbs (920 kg) |
| Standard equipped empty weight | 815 lbs (370 kg) | 815 lbs (370 kg) | 837 lbs (380 kg) | 1 036 lbs (470 kg) |
| Useful load | 505 lbs (230 kg) | 727 lbs (330 kg) | 705 lbs (320 kg) | 992 lbs (450 kg) |
| Full fuel payload | 269 lbs (122 kg) | 489 lbs (222 kg) | 467 lbs (212 kg) | 703 lbs (319 kg) |
| Luggage capacity | 77 lbs (35 kg) | 77 lbs (35 kg) | 77 lbs (35 kg) | 88 lbs (40 kg) |
| FUEL | | | | |
| Capacity | 39.6 US gal / 150 litre | 39.6 US gal / 150 litre | 39.6 US gal / 150 litre | 48.1 US gal / 182 litre |
| Consumption at cruise | 4.75 gal per hr (18 lt per hr) | 4.75 gal per hr (18 lt per hr) | 5.55 gal per hr (21 lt per hr) | 5.8 gal per hr (22 lt per hr) |
| Type | MOGAS OR AVGAS | MOGAS OR AVGAS | MOGAS OR AVGAS | MOGAS OR AVGAS |
| PERFORMANCE (Sea level) | | | | |
| Max Speed (VNE) | 135 kias / 155 mph | 135 kias / 155 mph | 135 kias / 155 mph | 140 kias / 161 mph |
| Cruise Speed 75% power (6 000 ft above sea level) | 115 ktas / 132 mph | 114 ktas / 131 mph | 118 ktas / 136 mph | 120 ktas / 138 mph |
| Stall Speed – clean | 44 kcas / 51 mph | 45 kcas / 52 mph | 45 kcas / 52 mph | 47 kcas / 54 mph |
| Stall Speed – full flaps | 39 kcas / 45 mph | 40 kcas / 46 mph | 40 kcas / 46 mph | 42 kcas / 48 mph |
| Max Demonstrated Crosswind | 15 kcas / 17 mph | 15 kcas / 17 mph | 15 kcas / 17 mph | 15 kcas / 17 mph |
| Take off ground roll – concrete | 550 ft / 168 m | 600 ft / 183 m | 500 ft / 152 m | 700 ft / 213 m |
| Landing distance – braked | 350 ft / 107 m | 370 ft / 113 m | 370 ft / 113 m | 500 ft 152 m |
| Rate of climb – sea level | 900 fpm | 850 fpm | 950 fpm | 750 fpm |
| Max operating altitude | 14 000 ft | 13 000 ft | 15 000 | 15 000 ft |
| Range at 75%, 45 min reserve | 750 nm / 1,400 km | 750 nm / 1,400 km | 730 nm / 1,350 km | 780 nm / 1,450 km |
| SPECIFIC LOADINGS | | | | |
| Limit loads | +4-2 | +4-2 | +4-2 | +4-2 |
| Wing loading | 10.4 lb sq ft / 50.8 kg sq m | 12.1 lb sq ft / 59.3 kg sq m | 12.1 lb sq ft / 59.3 kg sq m | 15.1 lb sq ft / 74.2 kg sq m |
| Power loading | 13.2 lb per hp / 6.0 kg per hp | 15.4 lb per hp / 7.0 kg per hp | 13.4 lb per hp / 6.1 kg per hp | 17.6 lb per hp / 8.0 kg per hp |
| OPERATING COSTS | | | | |
| Cost per nautical mile | | | | \$0.48 |
| Cost per hour | | | | \$57.50 |