



AC4 GT

Turbopower



www.lightwing.ch



Lightwing AC4 GT the glider tow plane

Powerful and enduring, for all kind of Glider up to 850kg, with lowest consumption and simple handling. Rugged design for use in rough environments and hot temperatures.

Powerful

The strong 141 HP Turbo Rotax 915 iSc with hydraulic adjustable MT Constant Speed Propeller ensures swift acceleration with a very short take-off distance and rapid climb with any glider in tow.

Rugged

Two thermostatically controlled oil coolers and a generously dimensioned water radiator are installed to ensure consistently high power output even at high ambient temperatures.

The sturdy undercarriage, equipped with Beringer brakes, is designed for continuous use on the roughest runways. The reliable and robust Lightwing winch is installed as standard. The powerful Maxon motor with Güdel gearbox retracts the rope reliably and quickly at all operating speeds. The extended rope length is displayed in the panel.

Economical and quiet

The AC4 GT tows the heaviest gliders up to 850kg with low fuel consumption and a low noise level of just 62 dB(A) safely and enduringly. In cruise flight, the fuel consumption is approx. 18-24 l/h. In towing mode, the average is approx. 30-34 l/h, depending on the towing profile.

Spacious

The cabin is 1.26 metres wide and offers plenty of headroom even for tall pilots. The luggage compartment behind the seats is easily accessible and very spacious.

Safe

The large windows together with the skylight provides a very good overview. An on-board camera is installed at the rear. The high-resolution video of the towed glider is displayed directly in the pilot's field of vision in the EFIS.

The flying characteristics are convincingly simple. With its large tail unit and long fuselage, the AC4 GT is very stable in flight. The low-speed flight characteristics are easy and simple to control. Rudder inputs are precisely applied without delay.

Optimal Tow speed

The towing speeds are between 100 - 154 km/h, so that all available gliders can be towed safely in the optimal speed range.

High Sink rate

The fast approach is rapidly decelerated with the high flap speed of 171 km/h. A steep sink rate of up to 17 m/s is therefore possible. A rapid descent with quick return after towing is therefore guaranteed.

Modern

The AC4 GT is equipped with the proven Dynon SkyView and can communicate wirelessly with popular mobile apps such as ForeFlight, EasyVFR, SkyDemon and Sky-Map. The Air Avionics traffic warning system shows other aircraft and obstacles on its own display and as TIS in Dynon SkyView. Furthermore it alerts the pilot to dangerous approaches via voice output. The motor interface from RS Flightssystem automatically governs the propeller based on the throttle position and also saves all motor data.

Lightwing AC4 GT — Technical Data

- Gliders up to 850kg
- Noise level 62 dB(A)
- 141 PS Direct injection turbo engine Rotax 915 iSc with Intercooler, water radiator and two thermostatically controlled oil coolers.
- 3-blade hydraulic adjustable Constant Speed MT Propeller with Single lever power control SLPC
- Lightwing Rope winch and rear view camera
- High wing, 2 Seat, Aluminium structur, anodised
- Highly resistant laminated polyester fabric for wing and empennage
- Generous glazing for good visibility

Speed/Performance		Metric	Standard
Stallspeed Flaps 24°	V _{SO}	80 km/h	43 KIAS
Stallspeed Flaps 0°	V _{SI}	87 km/h	47 KIAS
Flapspeed	V _{FE}	171 km/h	92 KIAS
Maximum speed IAS	V _{NE}	210 km/h	113 KIAS
Manouvering Speed	V _A	184 km/h	100 KIAS
Climb rate at MTOW		7.3 m/s	1'420ft/min
Best climb angle	V _X	122 km/h	66 KIAS
Best climb rate	V _Y	145 km/h	78 KIAS
Roll distance		92 m	302 ft
Take off distance over 15m/50ft		191 m	627 ft
Load factor		+4/-2g	+4/-2g
Weights			
Maximum take-off weight		630 kg	1'389 lbs
Maximum payload		200 kg	440 lbs
Fuel tank capacity (flyable)		90 l	24 gal
Fuel consumption		24 l/h	6.3 gal/h
Baggage compartment Volume		550 Liter	19.4 ft³
Baggage Weight		2 x 25 kg	2 x 55 lbs
Dimension			
Wing span		9.57 m	31.4 ft
Total length		7.03 m	23.06 ft
Maximum height		2.67 m	8.76 ft
Cabine width		1.26 m	4.13 ft
Tyre front gear		4.00-6"	4.00-6"
Tyre main gear		15x6.00-6"	15x6.00-6"



Quiet, powerful, rugged, economical



