

Newsletter February 2025



Dear Ladies and Gentlemen

After a year of many demonstrations of the AC4 GT glider-tow plane at various airfields, Lightwing has now achieved its first successes and received some nice orders. We have been involved in many detailed evaluations. We are very pleased to have achieved excellent results in many of these tests. Not only against existing towing aircraft, but also against comparable modern towing aircraft.



Rugged

The Lightwing AC4 GT demonstrates its performance and robustness particularly well on rough grass runways. The entire glider towing train lifts off much earlier than our competitor's, and safety height is reached sooner, at an optimum and safe towing speed.

	Noise level dB(A)	Propeller clearance in cm
Lightwing AC4 GT	62	33
Bristell B23 Turbo	64.9	21
MCR01	60	21
Robin DR400	70	31
Super Dimona	70	26
Husky A1-C	68	30
Maule M7	75	31

The generously dimensioned undercarriage and the large propeller clearance of 33 cm from the ground have proved very effective on grass runways.

The ground clearance is significantly greater than that of any other tow aircraft currently in use.

Silent 62 dB(A)

The AC4 GT also boasts an extremely low noise level of just 62 dB(A). Much to the delight of aerodrome residents. This is uniquely low for a production glider trainer, and again we undercut the nearest competitor by 2.9 dB(A).

Top cooling performance

The high thermal load during towing operations requires special temperature control measures. The Lightwing AC4 GT is uncompromisingly designed as a towing aircraft. The thermostatically controlled radiators ensure that both oil and coolant temperatures remain very constant throughout the towing cycle, even at high temperatures. This reduces the thermal load on the engine and ensures smooth operation during towing.



Powerful

The AC4 GT can tow gliders up to 850kg. But what is really impressive is the ability to tow gliders up to 700kg for training purposes, even when the AC4 GT is manned by 2 pilots!

Flying with less signs of fatigue

Pilots who have flown the AC4 GT appreciate not only its incredible performance, but also the simplicity of the whole system. No distractions from unnecessary gadgets when towing, optimised and clear arrangement of controls and, of course, the very safe flight characteristics.

The fully automatic propeller control with single lever throttle and propeller operation reduces the pilot's workload enormously. The extremely robust and reliable winch with its low pull-out forces is also highly appreciated. All these details greatly reduce the pilot's workload and fatigue. The rear-view camera has proven to be an excellent safety feature of the Lightwing AC4 GT. The image appears directly in the pilot's field of vision, providing an overview without distraction.

Soon to be seen in action

Series production of the AC4 GT has started at Lightwing and the first aircraft will be delivered to Italy and two more to Switzerland in the coming months.

If you would also like to test the Lightwing AC4 GT on your own premises, we would be delighted to hear from you.

Best regards Team Light Wing AG