

Alexander Schleicher GmbH Co. Segelflugzeugbau D-36163 POPPENHAUSEN (WASSERKUPPE) Approval/Authorisation No.: DE.21G.0010		Kind of Inspection: TC inspection for motorglider	
		Date: 08.09.2021	Page number: 1
Type: AS 33 Es	Registration letters: D - KTJL		
Serial No 33023	Year of construction: 2021	Data sheet No. EASA.A.656 Issue: 03	
Owner <u>Artega-Management SRL, Rue de Bois Cerisier (BZ), 5000 Namur, BELGIEN</u>			

A. Techn. 1. Datum Point : wing leading edge at root ribs According to
Data: 2. Horizontal Datum Line : slope of rear top edge of fuselage 1000:31 Data sheet

B. Balance and Empty Mass Center of Gravity:

Center of gravity positions:

$x_v =$ foremost ; $x_h =$ rearmost limit ; $m_L = m_1 + m_2$

$$\frac{37,2 \cdot 3905}{355,7} + 104 = 512 \text{ mm}$$

aft of datum

C.G. range (as per Manual) from:

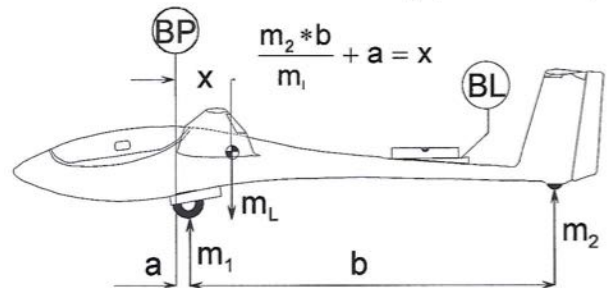
$X_v =$ mm

$X_h =$ mm

at the empty mass 355,7 kg

The empty mass C.G. was found to be within permissible limits.

empty mass 355,7 kg



Individual mass	18 m kg	Non lift producing members	* Non usable fuel included in this weight.
right wing with waterballast and winglet	85,0	—	** with power plant; seat cushion; seatback with headrest; bug wiper; LED-ACL; retractable tail wheel
	0,0	—	
left wing with waterballast and winglet	84,0	—	
	0,0	—	
fuselage **	168,5	168,5	
horizontal tail unit	5,8	5,8	
rudder	3,2	3,2	
aircraft equipment: instruments with radio	4,0	4,0	
safety belts	1,0	1,0	
2 batteries under seat; 1 engine battery	4,2	4,2	
	0,0	0,0	
	0,0	0,0	
Empty mass	355,7 *	186,7	

C. Type Certification Data:

Empty mass:	355,7 kg	Number of occupants:	1
Maximum permitted payload	113,3 kg	Total no. of starts:	1
Max. take-off mass:	600,0 kg	Total flight time:	1 h
Max. take-off mass w.o. waterballast :	kg	Number of starts since last major inspection:	0
Mass of non lift producing members: (including payload)	300,0 kg	Flight time since last major inspection:	0 h
The Data and Loading Placard and the Mass and Balance Form have been corrected or comply with these Figures. Cockpit load distribution see Flight Manual.		Number of starts since last annual inspection:	0
		Flight time since last annual inspection:	0 h
		elapsed time indicator:	0,03 h
		Flight time engine:	0,03 h
		Flight time propeller:	0,03 h

P.T.O.