

DV 20 KATANA AMM



Leveling and Weighing

Weighing Report

Model: DV 20 S/N: 20.047

Registration: OE-AGX

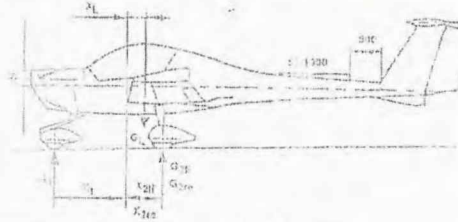
Data in accordance with TCDS respectively Flight Manual
Reference Datum : Leading edge of wing at root rib
Horizontal reference line: Wedge 52:1000, 500 mm (19.69 in.) forward of rudder fin

Reason for Weighing: LED strobe lights installed
fire Extinguisher removed

Weighing and empty mass(weight) CG

Equipment list - dated: 21.10.2025

Weighing Conditions: Including Brake Fluid,
Lubricant, Coolant and
Unusable Fuel (1.5 kg /3.31 lbs)



Support	Gross [kg] (lbs)	Tare [kg] (lbs)	Net Mass [kg] (lbs)	Lever Arm [m] (in)
Front G ₁			<u>68,3</u>	$x_{1} = 1,121$
Rear G _{2f}			<u>217,2</u>	$x_{2f} = 0,596$
Rear G _{2re}			<u>219,3</u>	$x_{2re} = 0,596$
Empty Mass(Weight) G ₁			<u>504,8</u>	kg (lbs)

CG Position for Empty Mass (Weight): 0,364 m

$$X_L = \frac{217,2 \times 0,596 + 219,3 \times 0,596 - 68,3 \times 1,121}{504,8}$$

Empty-Mass(Weight)-moment: $M_L = G_L \cdot x_L = 504,8 \cdot 0,364 = 183,747 \text{ kg} \cdot \text{m}$

Maximum Permissible Useful Load:

Maximum Mass (Weight) [kg] (lbs)	<u>730,0</u>
Empty Mass (Weight) [kg] (lbs)	<u>504,8</u>
Max useful Load [kg] (lbs)	<u>225,2</u>

Data to be entered into the Flight Manual: see page 6 - 6

Empty Mass (Weight) [kg] (lbs)	Empty-Mass-Moment [kg*m] (in*lbs)
<u>504,8 kg</u>	<u>183,747 kgm</u>

Place / Date <u>LOAN / 21.10.2025</u>	A.M.E.'s Stamp 	A.M.E.'s Signature
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08-00-00

Page 3
29 Mar 2022

Dok. Nr.	Ausgabe	Rev. Nr.	Datum	Bezug	Seite
4.01.20	17 Mar 1999		21. Okt. 2025		6 - 5