

TomarkAero - manufacturer of Viper SD4 RTC

Development and manufacture of Viper SD4 and Skyper GT9: all-metal, two-seater aircraft. The Aeroplanes are designed for Ultralight (UL) and Light Sport Aircraft (LSA) category, which are an excellent solution for pilot training, business travel, and sport flying.



VIPER SD4 RTC EASA CERTIFIED

Viper SD4 RTC has been certified according to EASA certification specifications CS-LSA Amdt.1. Type Certificate Data Sheet Nr. EASA.A.606.

Viper SD4 RTC became even one of the few in the world for LSA (Light Sport Aircraft) with a 600 kg MTOM.



Technical data

Engine:	Rotax 912 ULS / S2 certified 100 HP	Range:	950 km	513 nmi
Max. take-off weight:	600 kg 1 320 lb	Cruising speed:	170 km/h	91 kts
Wing span:	8,4 m 27,4 ft	Stall speed:	91 km/h	49 kts
Length:	6,4 m 21 ft	Climb rate:	4,5 m/s	885 ft/min
Height:	2,2 m 7,3 ft	Durability:	6 h 30 min	
Take-off distance:	445 m 1 460 ft (*over 50 ft; grass)	Fuel tank:	100 L	26.4 US gal
Landing distance:	450 m 1 476 ft (*over 50 ft; grass)	Consumption / 1 hour:	16,5 L	4,3 US gal



Certificate Viper SD4 RTC
EASA.A.606

Configuration

Engine	Airbox Additional fuel pump Fuel flow indicator Lockable fuel tank	Interior	Heating of the cabin Cabin ventilation system 12 V socket Schroth seat belts Cargo area blinds Sabbia interior and seats
Propeller	Neuform CR 3 -65	Digital devices to check flight	2x Dynon SkyView 10" GPS mode
Safety	Ballistic rescue system ELT	Communication	Radio, transponder S mode Intercom
Exterior	Side steps Aerodynamic wheel covers	Lights	Position and strobe lights Landing light Position beacon
Flight controls	Certified ASI, ALT, Compass Electric flaps Electric Balance (trim): horiz. + vert. Adjustable rudder's control		

Avionics



Left panel:

Dynon SkyView system (10")
(flight data + autopilot)
section switches
certified ASI Winter

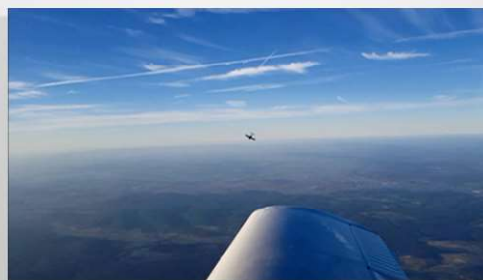
Middle panel:

radio ATR 833
transponder TRT 800 S mode
ELT
flaps control, Intercom
choke control
magnetic compass above the panel

Right panel:

Dynon SkyView system (10")
certified ALT Winter
circuit breakers Klixon
cylinder air, airbox control
cabin heating control
12 V socket

SPIN tests for CS-LSA



Aircraft Viper SD4 successfully mastered the SPIN tests, which are necessary for obtaining a certificate EASA CS-LSA

The test consists of successfully making the SPIN for 3 seconds. If the plane gets to SPIN, in the next turn or the time of 3 seconds, must get out from the spin.

The SPIN test result is a confirmation of a high level of safety for the Viper SD4