



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 (NAT 95)/1h:	16,5 L	4,3 US gal



Certificate Viper SD4 RTC
EASA.A.606

Configuration

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

Avionics



Left panel:

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

Middle panel:

radio ATR 833
transponder TRT 800 S mode
GPS Aera 500
magnetic compass

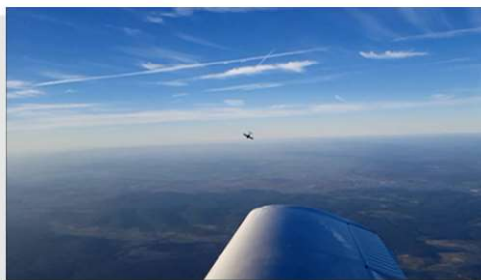
Right panel:

Dynon SkyView system (10")
cylinder air, airbox control
cabin heating control
USB socket, 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 make the SPIN for 3 seconds. If the plane gets to SPIN, in 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