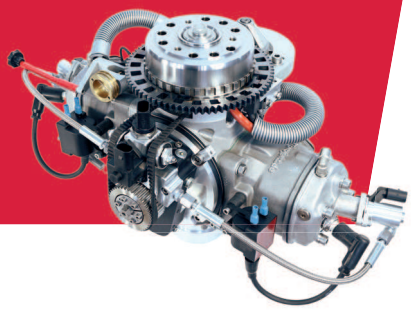
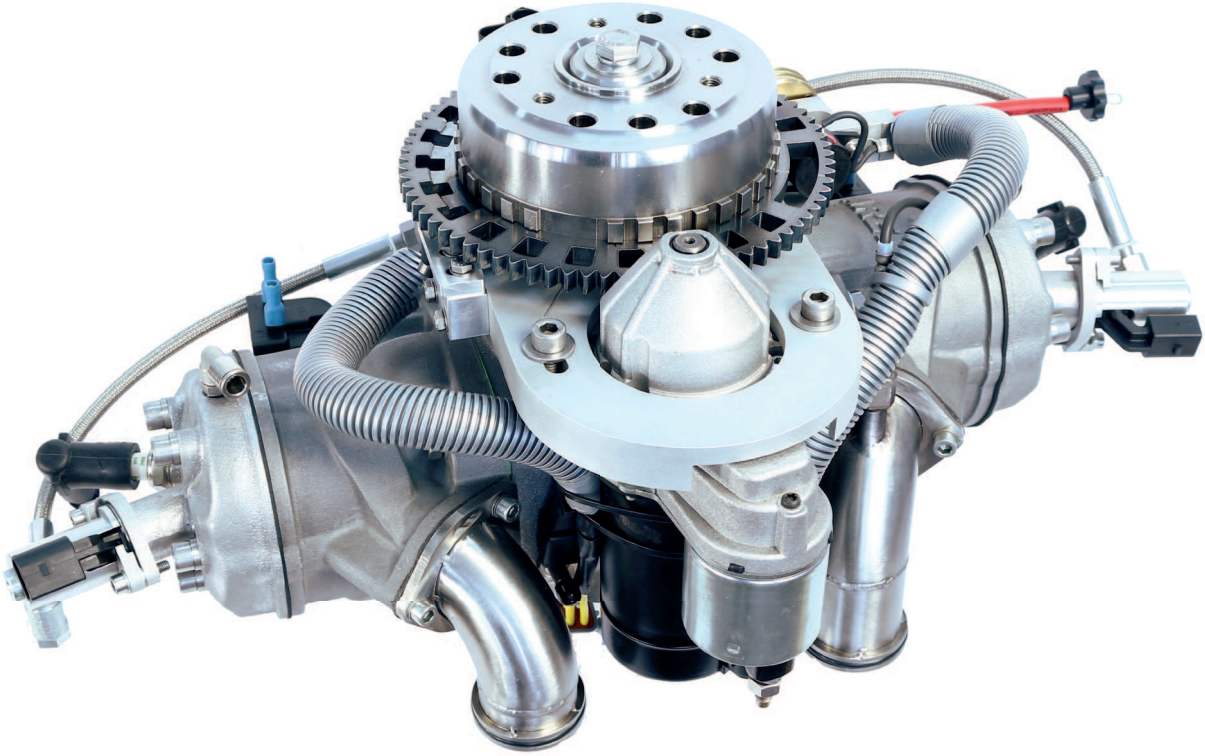


RVI boxer engine

The engine design developed by Arens Motoren combines the classical installation space, weight and design advantages of the two-stroke engine with the emission advantages of four-stroke engines. In comparison with the four-stroke engine, the RVI engine achieves a significantly higher capacity, in the same cylinder capacity class, with a marked reduction in dead weight, and is able to maintain emission values that are below those of comparable four-stroke engines.

Further minimisation in terms of weight and size is achieved by deploying state-of-the-art materials, thus making it feasible to achieve a weight advantage of up to 40%. Wear-resistant surfaces and the design options achieved by means of computer-aided design permit optimal solutions in the interplay between installation space, cost-efficiency and operating efficiency.



Technical Data

Arens RVI boxer engine 372-2Z PH.

Please enquire in the instance of deployment outside the values specified.

Performance data	Maximum capacity	kW (hp)	22 (30)
	Rotational speed range	rpm	1,000 to 7,500 (capped)
	Maximum torque	Nm	25
	Spec. consumption	g/kWh	270 (best operating point)
Primary dimensions	Cubic capacity	cm^3	372.9
	Cylinder stroke	mm	54.5
	Hole	mm	66
	Number of cylinders		2
	Cylinder configuration		Boxer
	Dry weight	kg	25
	Box size (H x W x D)	mm	550 x 260 x 360
Cooling system	Type		Water cooling
	Temperature control		Thermostat
	Temperature range	°C	60 to 70
Fresh air inlet	Type		Combined flat rotary valve system
	Control rotary valve		Inlet valve timing adjustable
	Cable pull track throttle	mm	75
Control electronics	Type		Micro-controller
	Interfaces		RS232, CAN
Ignition system	Type		Coil ignition
	Ignition timing		Electronic characteristics control
Fuel system	Type		High-pressure direct injection
	Metering		Electronic characteristics control
	Fuel pressure	bar	60 to 120
	Fuel pre-feed	bar	2 to 4
	Fuels		All common super fuels; alternative fuels upon request
Lubrication system	Type		Multi-point direct lubrication
	Metering		Electronic characteristics control
	Lubricant		Oils consistent with NMMA TC-W3®
Generator	Voltage output	V	13.5
	Power output	A	10 to 34
	Accessories		Charge controller
Starter	Min. voltage	V	12
	Min. capacity	W	500
Peripherals	Fuel tank	l	12
	Electric fuel pump	bar	2 to 4
	Lubricant tank	l	0.5
	Min. battery storage	Ah	14

Dimensions

All specifications in mm

1. Flange surface: D=120 mm with 4 M10 units on pitch circle D=86 mm
2. Power transmission: standard crank shaft D=28 x 44 mm incl. 2 feather keys 8N9/180°