

Forged in Quality.
Driven by Innovation.



23 SERIES

2301

ENGINE TYPE
Two Stroke Boxer

COOLING
Air Cooled

MEASURED POWER
49 HP

FUEL TYPE
Petrol

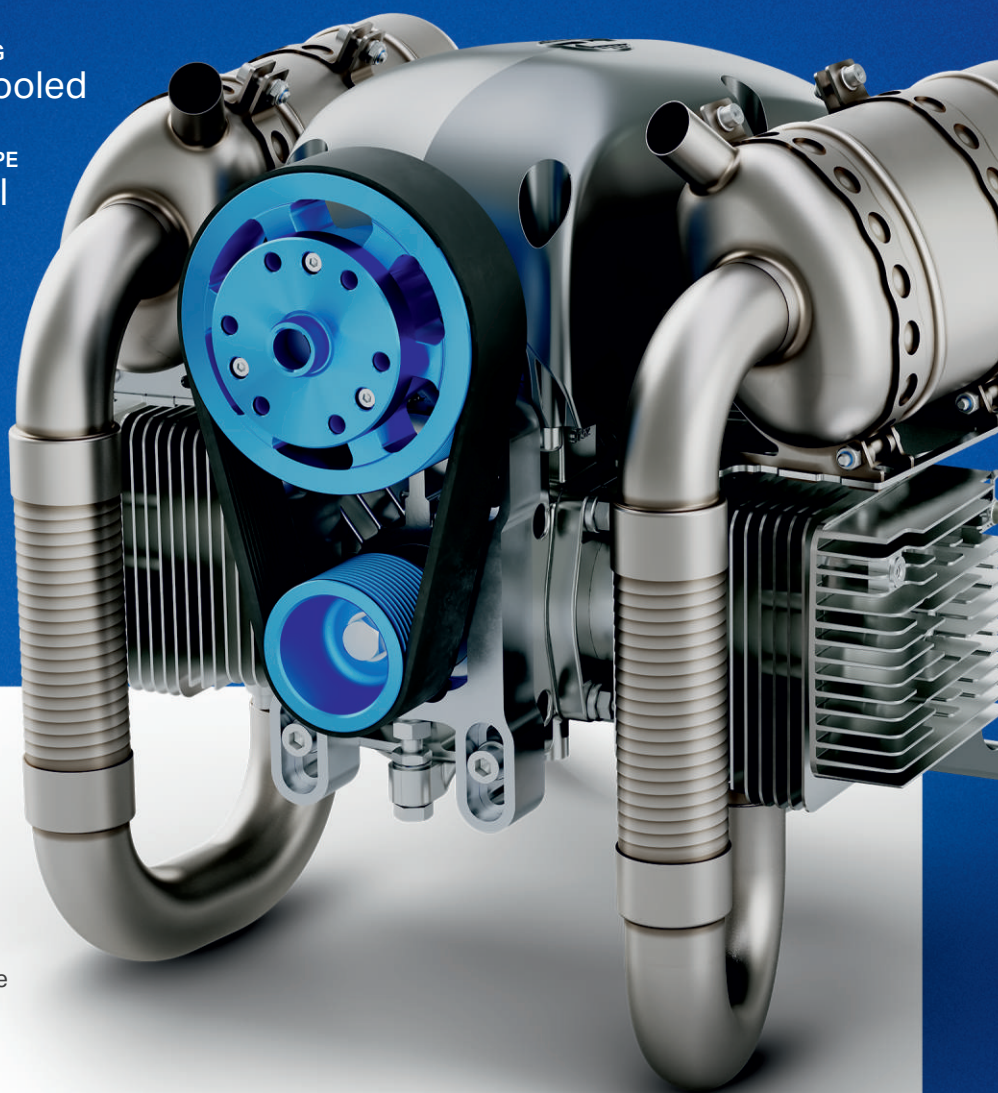


Excellent choice for UAV devices

The 23 Series is an air-cooled two-stroke engine, perfectly suited for UAV devices with a weight limit of up to 120 kg.

It sets a benchmark in the 50-horsepower market, offering an outstanding power-to-weight ratio combined with unparalleled performance and reliability.

With a time between overhauls of 500 hours, this engine series ensures consistent operation, making it a trusted choice for long-term use in demanding applications.



#The-Power-of-Hirth
www.hirthengines.com



TECHNICAL SPECIFICATION:

TYPE

Cylinder	Two-Stroke
Starting Device	Starter Generator
Running Direction	CW
Cooling	Air Cooled
Ignition	Dual
Exhaust	Normal

MEASUREMENTS

	mm	in
Stroke	64,00	2,52
Bore	72,00	2,83
Length	446,00	17,56
Width	473,00	18,62
Height	450,00	17,72

PERFORMANCE

	kW	HP	Nm
Power measured (full throttle)	32,00	43,52	46,00
Power measured (best point)	36,00	48,96	58,00
Specific fuel consumption @5500rpm	(g/kWh)		660,00
Specific fuel consumption @best point (70-80% load, 1/2 rated speed)	(g/kWh)		550,00
Speed		RPM	6500

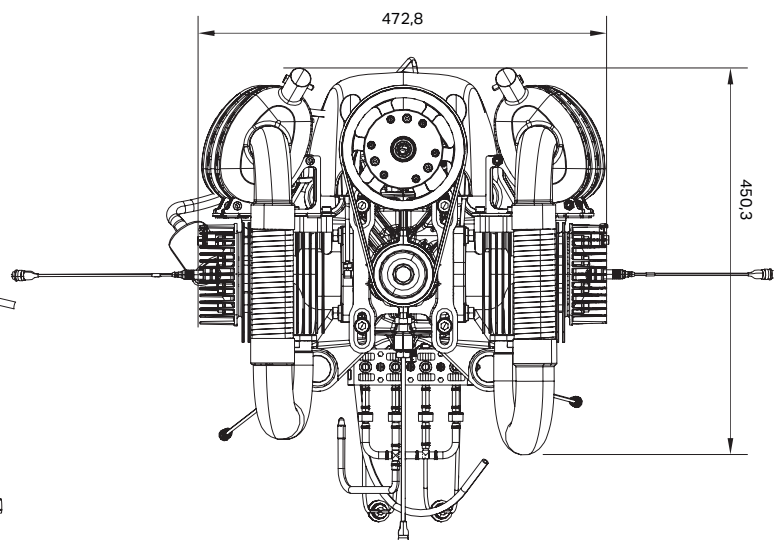
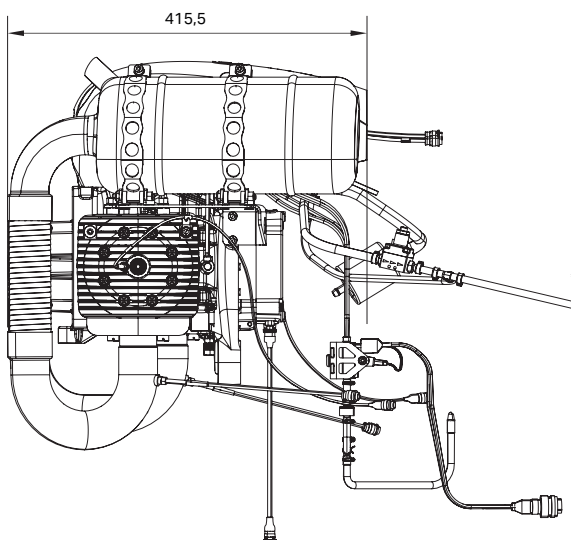
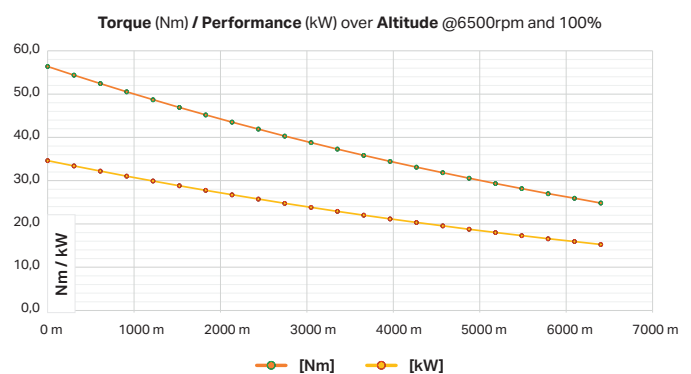
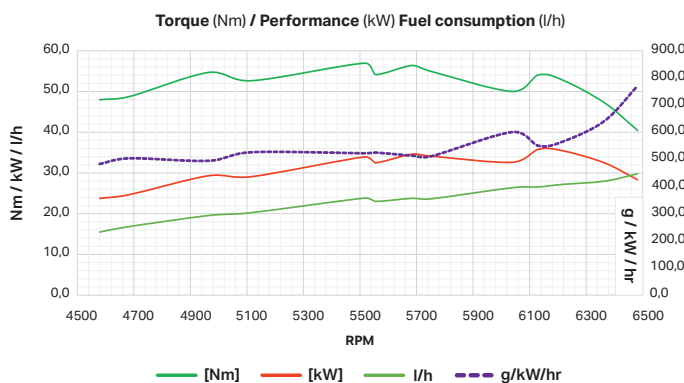
WEIGHT

	kg	lbs
Weight without exhaust	30,20	66,58
Weight Exhaust	3,80	8,38

FUEL

Petrol

Gasoline



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This is not a certificated aircraft engine! It has not received the safety and durability testings specified by aircraft standards. It is only for use in uncertificated experimental aircraft or vehicles when there is no risk for the safety due to an engine failure. Never fly the aircraft equipped with this engine in circumstances or in areas, in weather-conditions or in altitudes where you have no chance for successful landing after an engine failure. The user is taking all risk resulting from the use of this engine and he is aware of the possibility of sudden functional disturbances.

