Forged in Quality.
Driven by Innovation.

HIRTH ENGINES

23 SERIES

2302

ENGINE TYPE
Two Stroke Boxer

COOLING
Air Cooled

MEASURED POWER
49 HP

FUEL TYPE
Petrol

High-Performance Two-Stroke Air-Cooled Engine for Ultralight Aviation.

The 2302 engine from the 23 Series is a high-efficiency, air-cooled two-stroke unit developed for ultralight aviation.

It is intended for aircraft and aerial platforms up to 120 kg and provides 50 hp with a strong power-to-weight ratio.

In the 50 hp class, it offers a 1,000-hour time between overhauls (TBO) and is built for reliable operation in demanding conditions.

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

23 SERIES

2302

TECHNICAL SPECIFICATION:

TYPE	
Cylinder	Two-Stroke
Starting Device	Electrical Starter
Running Direction	CW
Cooling	Air Cooled
Ignition	Single / Dual
Exhaust	Normal

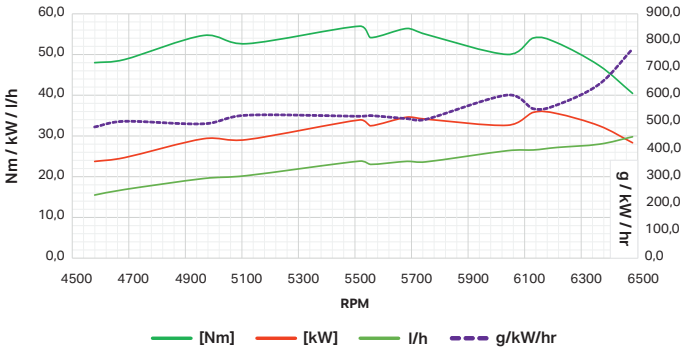
PERFORMANCE	kW	HP	Nm
Power measured (full throttle)	32,00	43,52	46,00
Power measured (best point)	36,00	48,96	58,00
Specific fuel consumption @5500rpm		(g/kWh)	660,00
Specific fuel consumption @best point (70-80% load, 1/2 rated speed)		(g/kWh)	550,00
Speed		RPM	6500

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

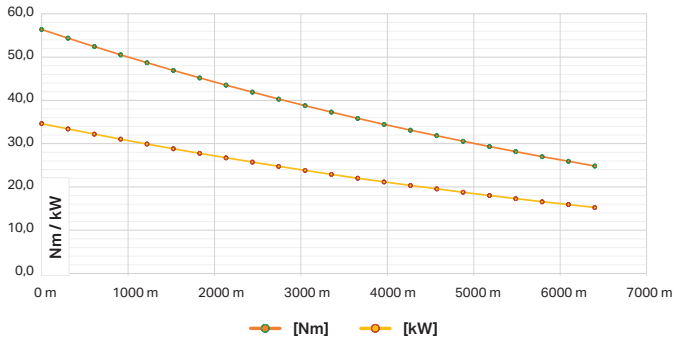
WEIGHT	kg	lbs
Weight without exhaust	30,20	66,58
Weight Exhaust	3,80	8,38

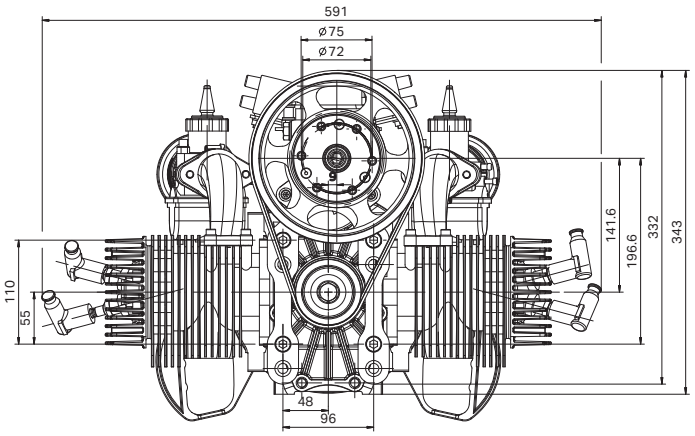
FUEL	
	Petrol
	Gasoline

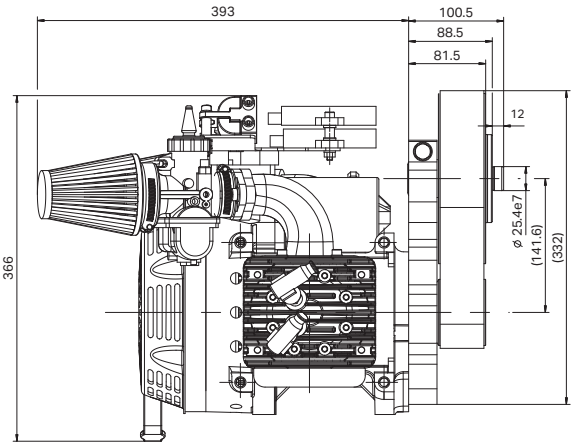
Torque (Nm) **/ Performance** (kW) **Fuel consumption** (l/h)



Torque (Nm) **/ Performance** (kW) over **Altitude** @6500rpm and 100%







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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.