

Forged in Quality.
Driven by Innovation.



41 SERIES

4103

ENGINE TYPE
Two Stroke Boxer

COOLING
Air Cooled

MEASURED POWER
6,7 HP

FUEL TYPE
Petrol



200,000 Missions Worldwide

41 Series air-cooled two-stroke engines deliver dependable UAV propulsion in extreme conditions using advanced closed-loop control. Built on the proven 4103 platform with 200,000+ missions worldwide, they incorporate the latest engine upgrades for higher efficiency and durability.

Automatic altitude and temperature compensation ensures easy starts and stable performance from hot deserts to cold, high-elevation flights. The result is a rugged, mission-ready powerplant tailored to the real demands of the UAV market.

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



TECHNICAL SPECIFICATION:

TYPE

Cylinder	Two-Stroke
Starting Device	Starter Generator
Running Direction	CW / CCW (optional)
Cooling	Air Cooled
Ignition	Single
Exhaust	Normal

MEASUREMENTS

	mm	in
Stroke	34,00	1,34
Bore	44,00	1,73
Length	253,65	9,99
Width	294,10	11,58
Height	287,20	11,31

PERFORMANCE

	kW	HP	Nm
Power measured (full throttle)	4,97	6,76	7,19
Power measured (best point)	4,97	6,76	7,60
Specific fuel consumption @6500rpm	(g/kWh)		517,00
Specific fuel consumption @best point (70-80% load, 1/2 rated speed)	(g/kWh)		440,00
Speed		RPM	6500

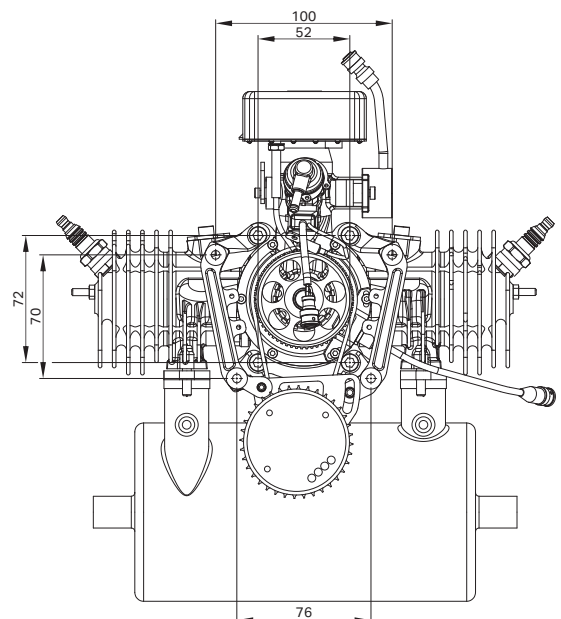
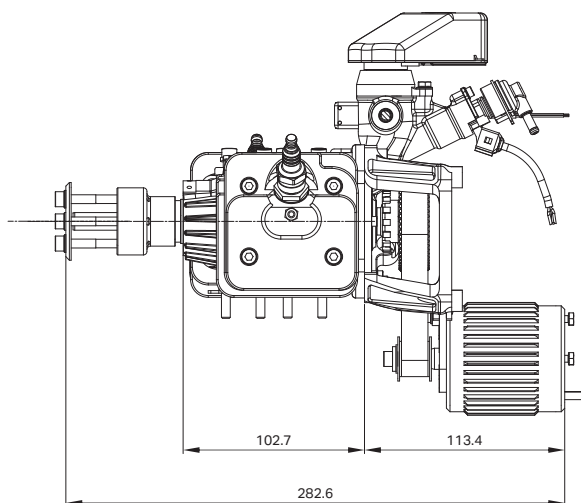
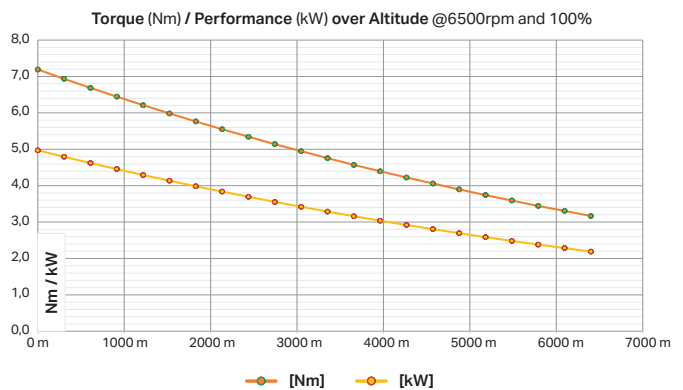
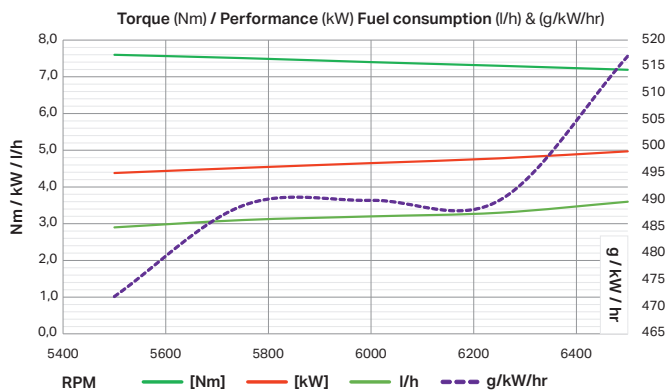
WEIGHT

	kg	lbs
Weight without exhaust	4,00	8,82
Weight Exhaust	0,53	1,18

FUEL

Petrol

Gasoline



Hirth Engines GmbH
Max-Eyth-Straße 10
71726 Benningen am Neckar

Phone: +49 7144 8551 0
sales@hirthengines.com

International Sales Support by:
www.hirth-global-sales.com

www.hirthengines.com

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.

