Forged in Quality.
Driven by Innovation.

HIRTH ENGINES

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

41 SERIES

4103

TECHNICAL SPECIFICATION:

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

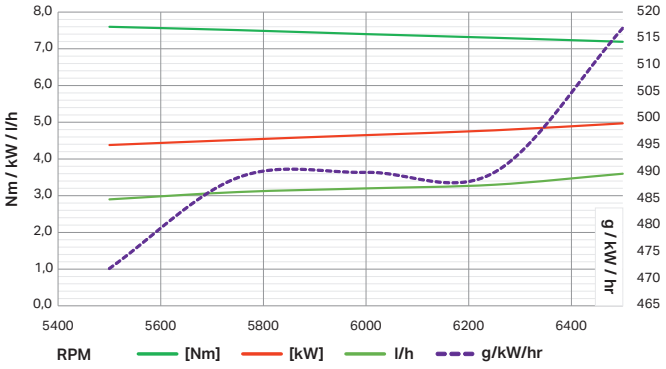
PERFORMANCE	kW	HP	Nm
Power measured (full throttle)	4,97	6,76	7,19
Power measured (best point)	4,97	6,76	7,60
Specific fuel consumption @6500rpm		(g/kWh)	517,00
Specific fuel consumption @best point (70-80% load, 1/2 rated speed)		(g/kWh)	440,00
Speed		RPM	6500

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

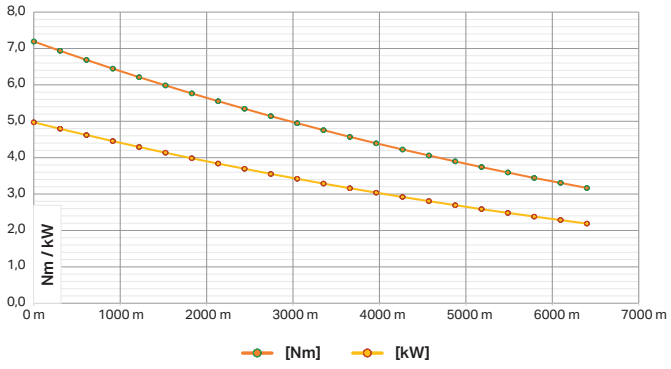
WEIGHT	kg	lbs
Weight without exhaust	4,00	8,82
Weight Exhaust	0,53	1,18

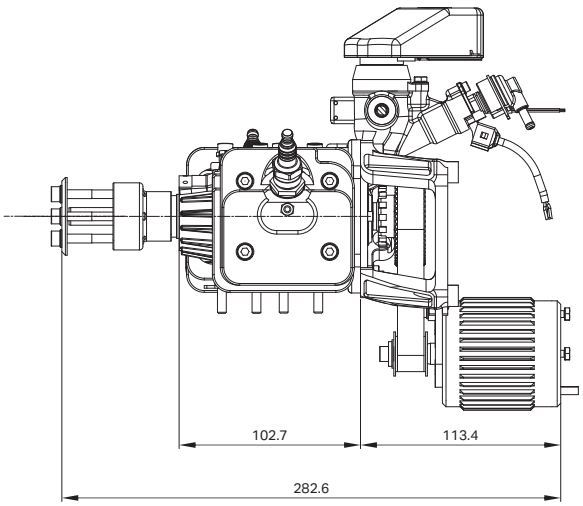
FUEL	Petrol
	Gasoline

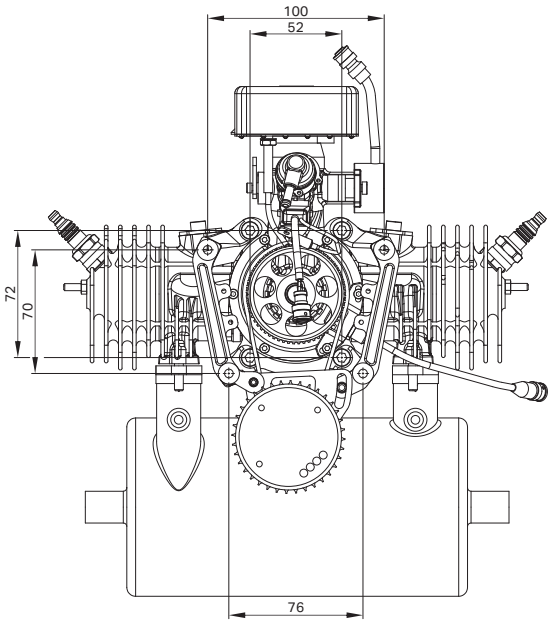
Torque (Nm) **/ Performance** (kW) **Fuel consumption** (l/h) & (g/kW/hr)



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







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