

Forged in Quality.  
Driven by Innovation.



42 SERIES

# 4201

ENGINE TYPE  
Two Stroke Boxer

COOLING  
Air Cooled

MEASURED POWER  
14,8 HP

FUEL TYPE  
Petrol



## Perfectly matched with endurance.

42 Series air-cooled two-stroke engines provide high-performance UAV propulsion with advanced closed-loop control for operation in extreme conditions. Based on Hirth's globally trusted design proven across countless UAV missions, the 42 Series adds the latest technology to exceed current industry standards.

Automatic altitude and temperature compensation delivers reliable starts and steady performance in harsh, changing environments.

Lightweight construction and an exceptional power-to-weight ratio make it a strong fit for demanding unmanned aircraft.

#The-Power-of-Hirth  
[www.hirthengines.com](http://www.hirthengines.com)



## TECHNICAL SPECIFICATION:

## TYPE

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

## MEASUREMENTS

	mm	in
Stroke	40,00	1,57
Bore	54,00	2,13
Length	214,50	8,44
Width	339,80	13,38
Height	239,70	9,44

## PERFORMANCE

	kW	HP	Nm
Power measured (full throttle)	11,10	14,80	16,30
Power measured (best point)	11,10	14,80	16,30
Specific fuel consumption @6500rpm	(g/kWh)		482,83
Specific fuel consumption @best point (70-80% load, 1/2 rated speed)	(g/kWh)		434,79
Speed		RPM	6500

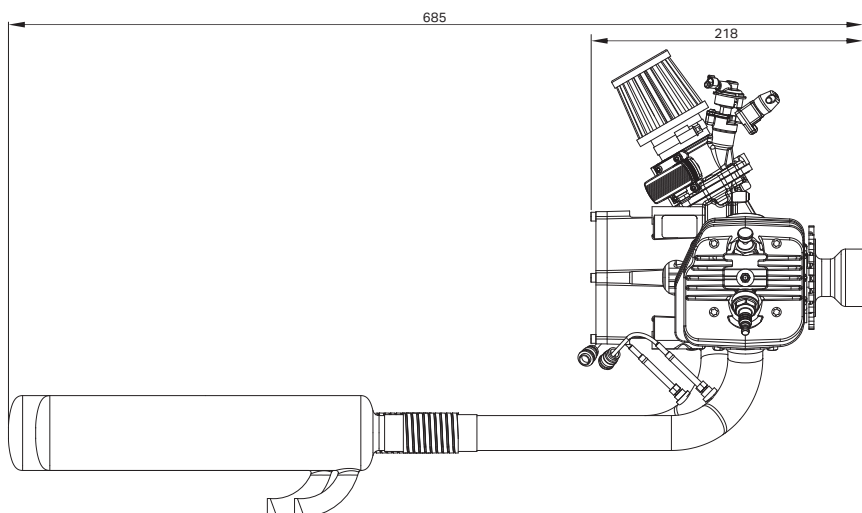
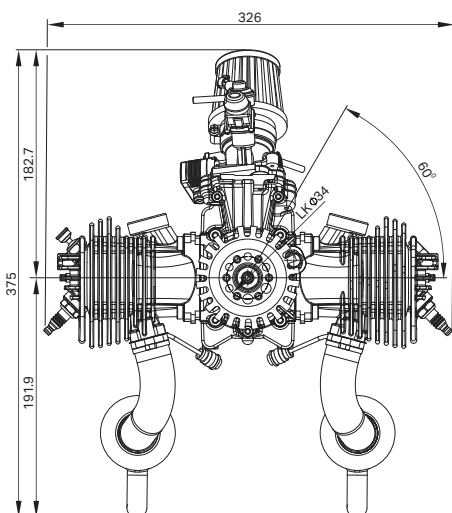
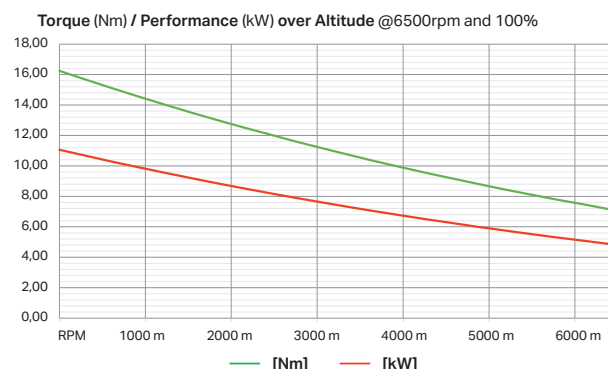
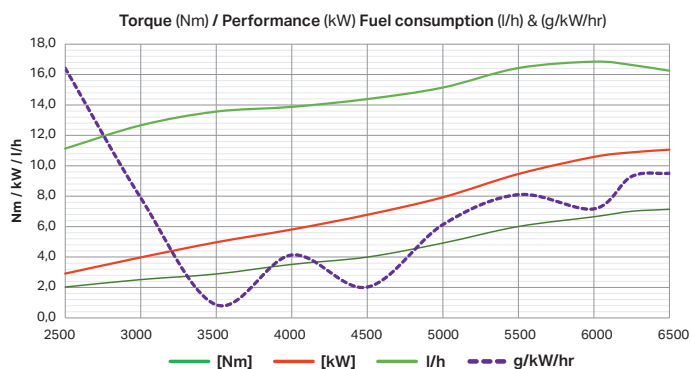
## WEIGHT

	kg	lbs
Weight without exhaust	7,14	15,74
Weight Exhaust	1,15	2,54

## 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.

