

Forged in Quality.
Driven by Innovation.



42 SERIES

4202

ENGINE TYPE
Two Stroke Boxer

COOLING
Air Cooled

MEASURED POWER
12,7 HP

FUEL TYPE
Kerosene



Best Performance for Unmanned Aerial Vehicles (UAV)

42 Series air-cooled two-stroke engines use advanced closed-loop control to deliver reliable, lightweight UAV propulsion in tough conditions. The new 4202 Heavy Fuel Engine tops the 15-HP class for power-to-weight and durability, based on the proven 4201 gasoline platform and optimized for JET-A1 after extensive endurance testing.

With high TBO and low maintenance, the 42 Series is a compact, efficient choice for UAVs and drones needing dependable heavy-fuel performance.

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



TECHNICAL SPECIFICATION:

TYPE

Cylinder	Two-Stroke
Starting Device	Starter Generator
Running Direction	CW/CCW
Cooling	Air Cooled
Ignition	Dual
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)	9,22	11,36	12,50
Power measured (best point)	9,40	12,61	13,20
Specific fuel consumption @6500rpm	(g/kWh)		550,00
Specific fuel consumption @best point (70-80% load, 1/2 rated speed)	(g/kWh)		400,52
Speed		RPM	6500

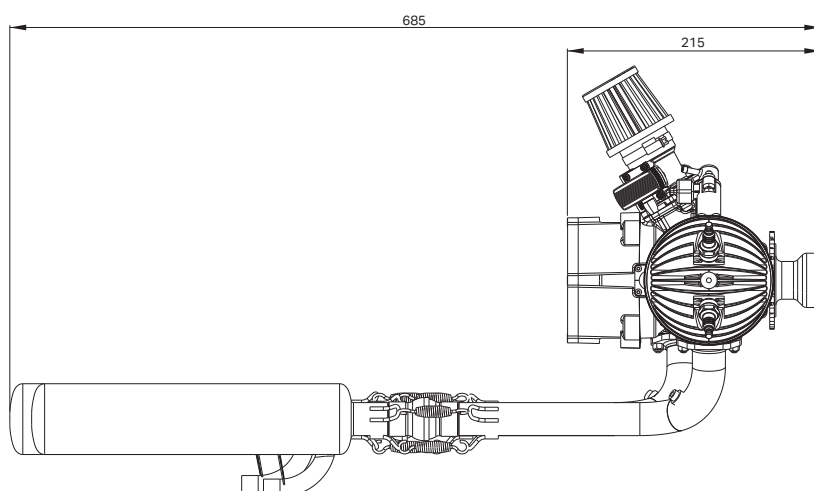
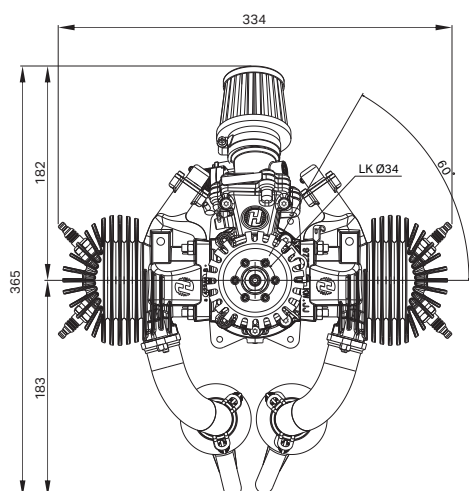
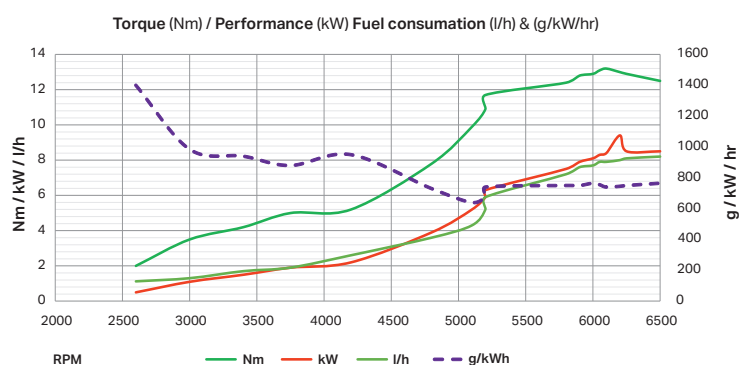
WEIGHT

	kg	lbs
Weight without exhaust	8,17	18,01
Weight Exhaust	1,13	2,49

FUEL

Petrol

Jet A, Jet A1, JP5, JP8



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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.

