

Forged in Quality.
Driven by Innovation.



35 SERIES

3507

ENGINE TYPE
Two Stroke Inline

COOLING
Water Cooling

MEASURED POWER
57 HP

FUEL TYPE
Kerosene



The Beat of an Unmanned Heart

The 3507 Heavy Fuel Engine is a water-cooled, inline 2-cylinder, 2-stroke unit with reed-valve induction and air-assisted direct injection.

NATO-compliant and highly versatile, it provides an excellent power-to-weight ratio, long range, and reliable performance in extreme conditions.

With a 500-hour TBO, it's a robust choice for maritime, military, and heavy-duty civilian applications.



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



TECHNICAL SPECIFICATION:

TYPE

Cylinder	Two-Stroke
Starting Device	Electrical Starter / Starter Generator
Running Direction	CW
Cooling	Water cooled
Ignition	Single
Exhaust	Normal

MEASUREMENTS

	mm	in
Stroke	69,00	2,72
Bore	76,00	2,99
Length	481,00	18,94
Width	453,00	17,83
Height	443,00	17,44

PERFORMANCE

	kW	HP	Nm
Power measured (full throttle)	42,38	57,64	68,5
Power measured (best point)	42,38	57,64	68,5
Specific fuel consumption @6500rpm	(g/kWh)		545,00
Specific fuel consumption @best point (70-80% load, 1/2 rated speed)	(g/kWh)		479,00
Speed	RPM		6500

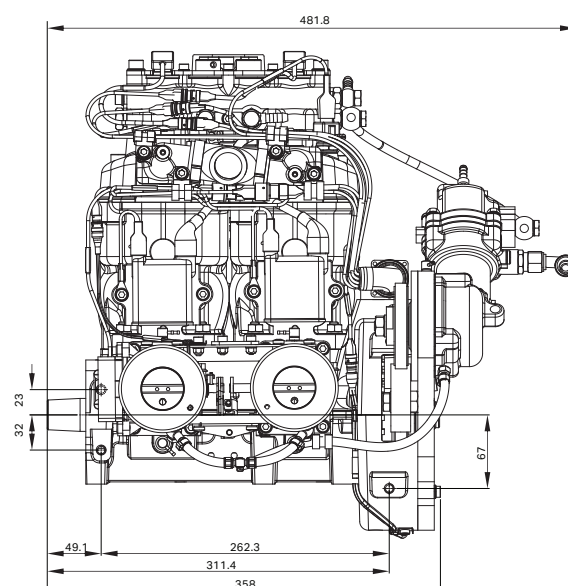
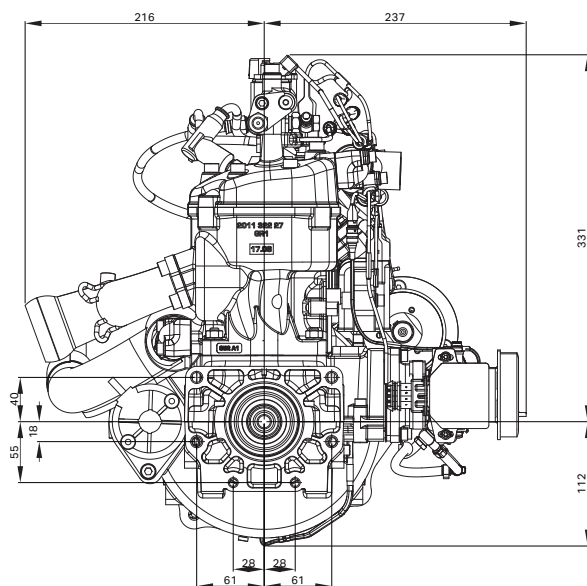
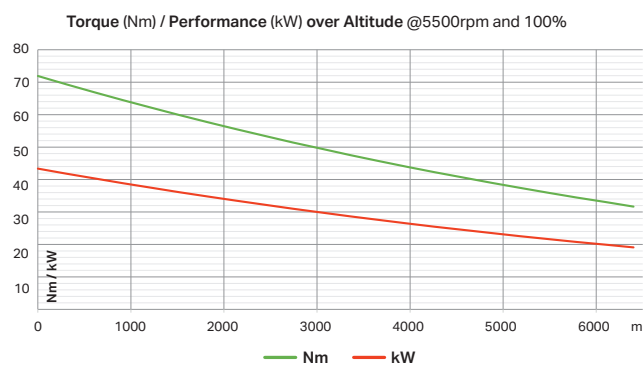
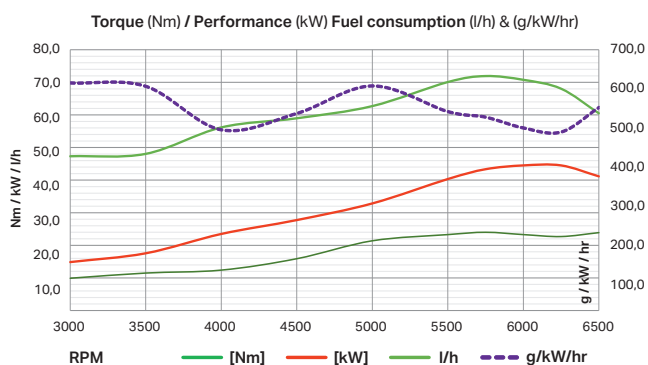
WEIGHT

	kg	lbs
Weight without exhaust	33,50	73,85
Weight Exhaust	2,50	5,51

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.

