



## Engine Data

# SKY POWER | SP-180 SRE hybrid



### Specifications

Cylinder Capacity	180 cc
Weight	6.80 kg / 14.99 lbs
Weight with Generator	9.50 kg / 20.94 lbs
Power	20 KW / 27.5 HP @ 6000 rpm
High Power Version	28 KW / 38.5 HP @ 7500 rpm
Hybrid-Boostpower	add. 15 KW
Max Torque	32 NM @ 6000 rpm / 36 Nm @ 7500 rpm
Power-to-Weight Ratio	5.66 HP/kg / 2.57 HP/lbs
Fuel Consumption	340 g/KW

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### Engine Type / Setup

Engine	wankel rotary UAV engine
Fuel	Gasoline/Avgas
Injection	standard manifold injection
(Option)	HPI (high pressure) injection optional
Cooling	Water cooled housing
	Oil Rotor cooling (active cooling)
Starter	Startergenerator

### Engine Parameters

Rational frequency	Md red	N red	Consumption
RPM	(Nm)	(kW)	gr/KW/h
3000	16.8	5.28	385
3500	18.6	6.81	367
4000	20.0	8.37	376
4500	22.4	10.55	377
5000	25.8	13.50	379
5500	31.5	18.13	349
6000	32.0	20.10	345

Engine data might change due to the engine test procedure and the engine configuration.

