



# PERFORMANCE BEYOND LIMITS

## ENGINE DATA WANKEL ROTARY UAV ENGINE 3W-180-SRE-HYBRID



# ENGINE DATA WANKEL ROTARY UAV ENGINE 3W-180-SRE-HYBRID



## SPECIFICATIONS

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	28KW / 38.5HP @ 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

## ENGINE TYPE / SETUP

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

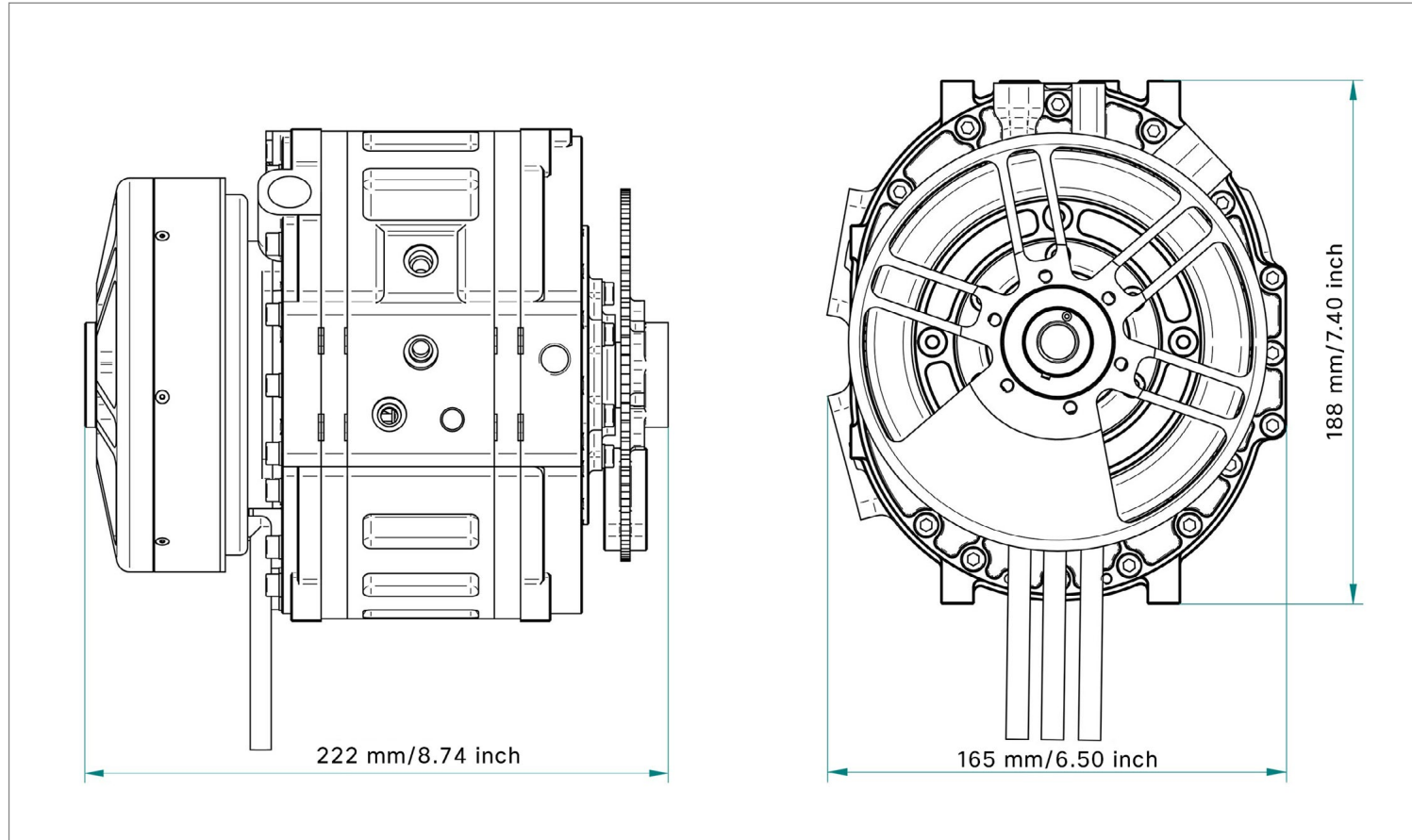
## ENGINE PARAMETERS

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 WANKEL ROTARY UAV ENGINE 3W-180-SRE-HYBRID



## ENGINE GRAPH





## CONTACT

3W International GmbH  
Hollerstraße 12  
61350 Bad Homburg  
Germany

Phone: +49 (6172) 80 89 34-0

[www.3w-international.com](http://www.3w-international.com)  
[info@3w-international.com](mailto:info@3w-international.com)

# PERFORMANCE BEYOND LIMITS

