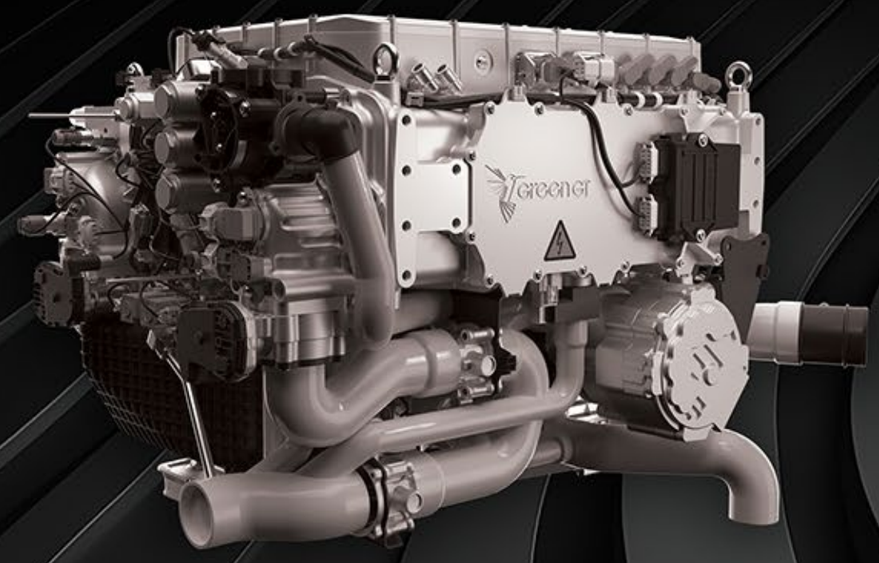
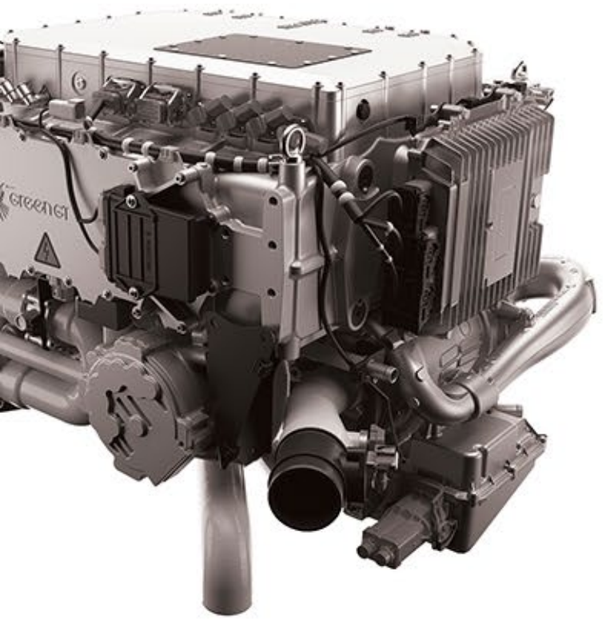
Explore our fuel cell development capabilities :

Sales@greengt.com
www.greengt.com

GREENGT SA
Rue de Lausanne 57
1110 Morges – Switzerland
+41 (0) 21 869 76 66





NGT 75 INCLUDES :

- Fuel cell unit with its own monitoring system
- Centrifugal compressor
- Hydrogen loop components
- Air conditioning components
- Cooling devices
- HV components
- LV components

NGT SERIES 75

COMPACT POWER, MAXIMUM FLEXIBILITY

The NGT 75 fuel cell system delivers 75 kW of clean, reliable energy in a lightweight and compact design. Built for adaptability, it offers customizable configurations to meet your specific power demands.

SWISS EXCELLENCE SINCE 2008

The NGT series 75

The NGT 75 fuel cell system delivers 75 kW of clean, reliable energy in a lightweight and compact design. Built for adaptability, it offers customizable configurations to meet your specific power demands, making it the perfect solution for modern energy challenges.

BELOW VALUES FOR OVERALL DESIGN PURPOSE

PERFORMANCES

Peak Net system power	76 kW
Continuous power	65 kW
Operating system current	Up to 600 A
Operating system voltage	150 VDC to 260 VDC
Voltage @ Idle	210 VDC

Underneath values for overall design purposes (targeted values).
Intermediate values validated in the NGT system integration manual .

PHYSICAL

Dimensions (l*w*h) mm	630 x 850 x 560
Weight	140 Kg dry
Operating temperature	0 to 55°C.
Storage temperature	0 to 25°C

HYDROGEN SUPPLY

Hydrogen quality	As per ISO 14687-2, Grade air liquid N5 5
Recommended operating pressure	11 bars
Max operating pressure	13 bars
Consumption	1.65 g/s maximum

AIR SUPPLY

Air quality	Active carbon filters (Mann & Hummel)
Nominal air flow	Up to 100 g/s
Differential pressure	60 Pa max @ 100 g/s
Air temperature	0 to 40°C

WATER COOLING FUEL CELL

Operating cooling flow	125 L/min
Maximum recommended operating pressure	1.5 bars
Operating cooling temperature IN	65°C
Fluid	Glysantin FC
Specific Heat Capacity	3600 J. $K^{-1}Kg^{-1}$
Maximum electrical conductivity (25°C)	1.3 µS/cm
Maximum coolant temperature difference	14°C

WATER COOLING E-COMPRESSOR

Cooling liquid	De-ionized water/coolant: 50/50
Liquid flow rate	6...10 l/min
Inlet liquid temperature	-40°C to +60°C
Inlet liquid pressure	200 kPa abs maximum (burst pressure)
Coolant pressure drop	80 kPa @6l/min and 60 °C

CAN INTERFACE

CAN version	CAN 2.0B
Bus speed	500 kbits/s

ALT. 0M ISA AND BOL