About GreenGT

OUR MISSION

GreenGT is an independent company active in the field of electric-hydrogen technologies. It analyses, designs, develops, carries out and sells studies, products and services applicable to motor sports, the mobility industry and also to infrastructures and regions.

OUR VISION

GreenGT reinforces its identity every day:

- An independent company with a human dimension.
- A pioneer in high-density electric-hydrogen-powered systems.
- An integrator of tested hydrogen electric solutions.
- A company capable of covering all the phases of development from prototype to limited runs.
- A recognised leader in its fields of activity.

OUR VALUES

- Ethics
- Respect of commitments
- Common sense in addition to reasoning
- Open-mindedness
- Enduring performance
- Everything oriented towards the client

GreenGT SA (offices)
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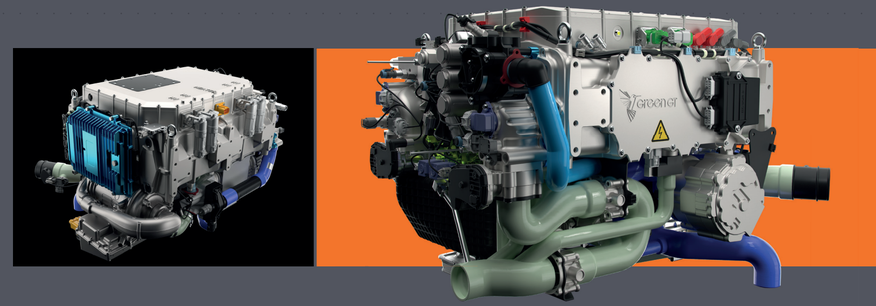


NGT SERIES 75

PRODUCT DATA SHEET

www.greengt.com

The NGT Series 75

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 N55
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

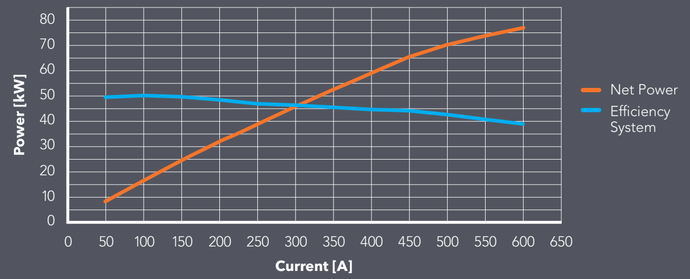
WATER COOLING E-COMPRESSOR

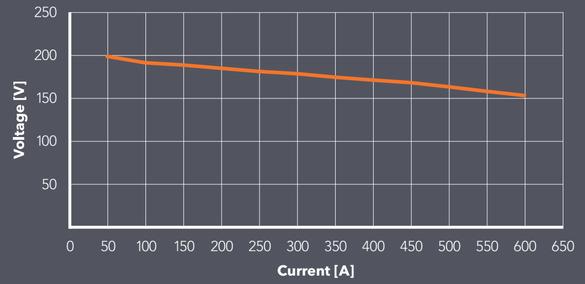
Cooling liquid	De-ionized water/coolant: 50/50
Liquid flow rate	6…10 l/min
Inlet liquid temperature	-40° C to +60° C
Inlet liquid pressure	200 kPa abs maximum (burst pressure)
Coolant pressure drop	80 kPa @6l/min and 60° C

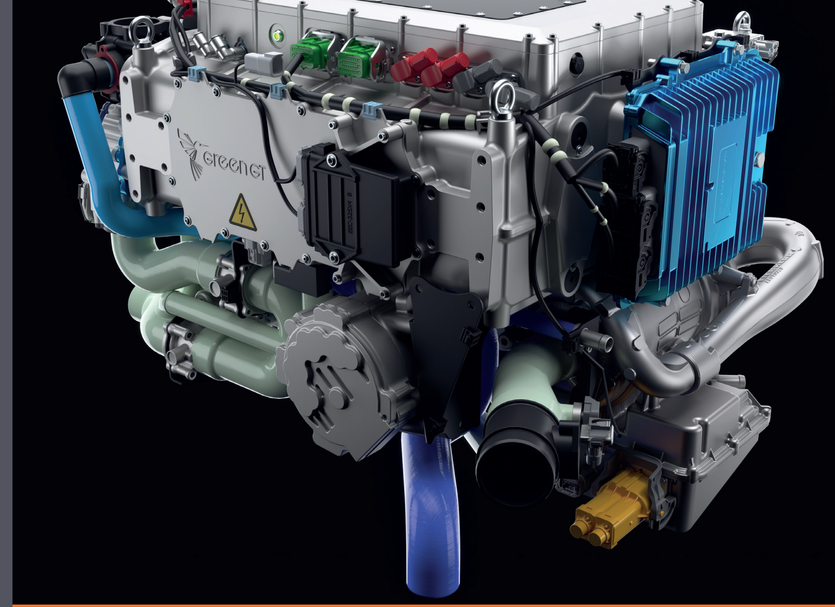
CAN INTERFACE

CAN version	CAN 2.0B
Bus speed	500 kbits/s

ALT. 0M ISA AND BOL







THE NGT SERIES 75 INCLUDES:

- A fuel cell unit with its own monitoring system
- A centrifugal compressor
- A hydrogen loop components (Solenoid valves, piping...)
- Air conditioning components (humidifier, solenoid valves…)
- Cooling devices (heater, pump, deionization filter…)
- HV components (fuses, contactor…)
- LV components (FCCU, sensors…)

Marine applications may require a specific type of filter which differs from standard land usage.

DCDC converter is not included.