



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.



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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

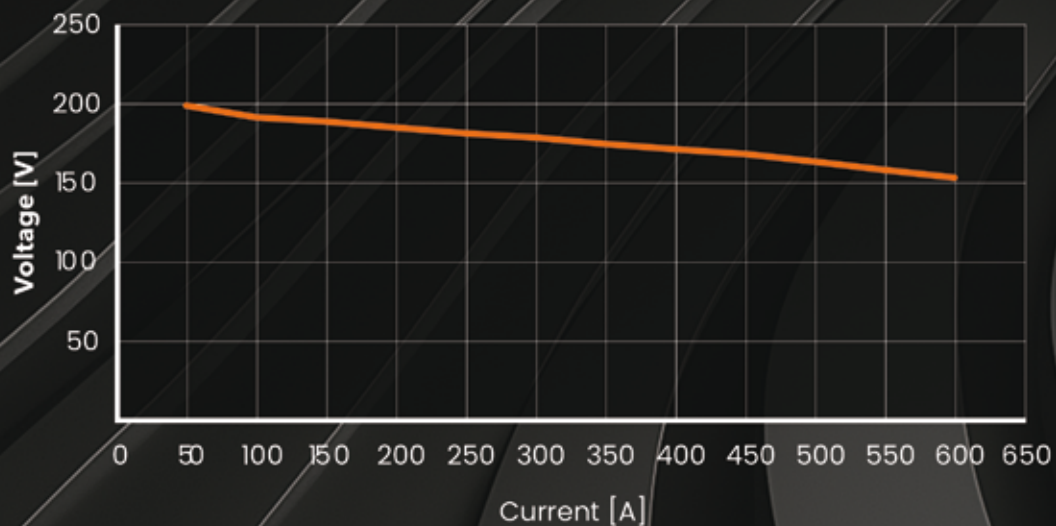
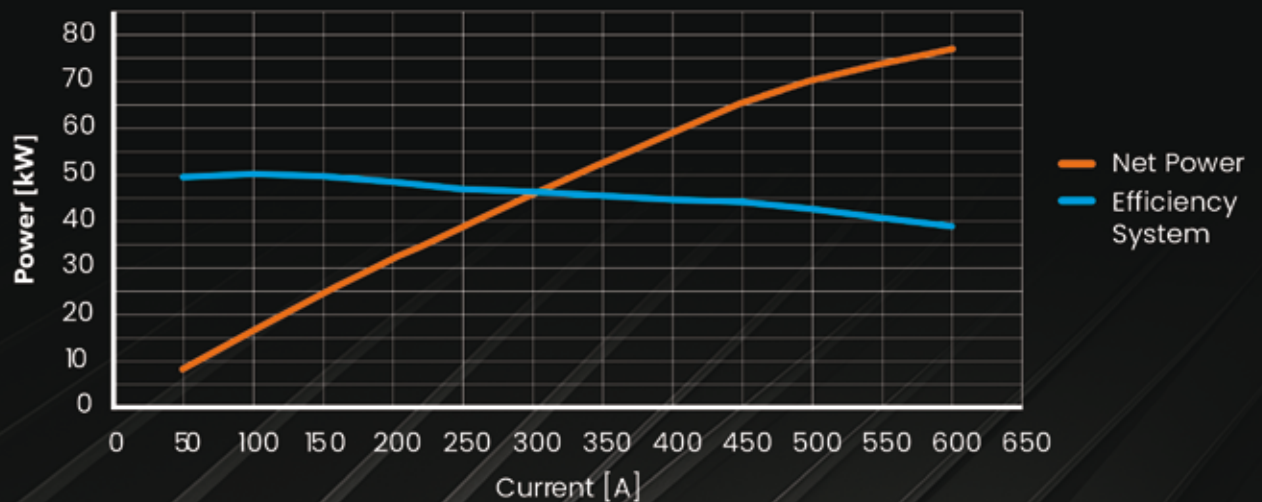
WATER COOLING E-COMPRESSOR

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





Explore our fuel cell development capabilities.



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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