

GFn85

In AgHort, ideal climatic environment is essential as it influences productivity and health of livestock animals and plant growth. Heating and ventilation are important factors for accurate control of climatic environment in poultry housing or greenhouses. Indoor temperature, humidity and ${\rm CO}_2$ content are key elements and play a crucial role in achieving perfect climate.

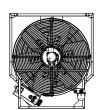
The GFn has been especially designed for such purpose, covering a wide range of applications like poultry and greenhouses. The GFn is an indirect fired heater featuring a closed combustion chamber, ensuring that combustion by-products, water vapors and CO_2 are released outside, without altering nor affecting the climate inside and, ultimately, the growth of the animals or plants.

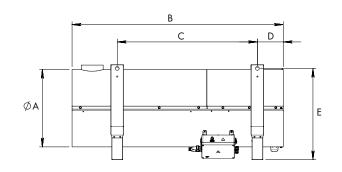
The design of GFn is based on innovative concept, introducing an unique modular frame for convenient handling, efficient transportation and user-friendly installation. The housing allows full access and comfortable maintenance, even in hanging position. The GFn can be automatically operated via farm controller or room thermostat. Resistance to dirt, dust and moisture has been a key objective in the selection of components, so housing components are made in Munters Protect or stainless steel AISI 430 and combustion chamber made in stainless steel.

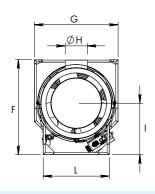
In conclusion, by using the GFn, every farmer will get closer towards achieving the ideal climatic environment with the right balance between performance, efficiency and budget.











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520	1,420	943	174	614	640	563	148	347	445

All measurements are in millimiters.

Technical specifications

GFn85 Munters Protect housing	Item Code	20821506
GFn85 Stainless Steel 430 housing	Item Code	20821510
Weight	Kg	78
Maximum heating power (Hs)	kW [kCal/h]	80.6 [69,303]
Effective heating power (Hs)	kW [kCal/h]	69.3 [59,587]
Fuel consumption	l/h [gal/h]	7.5 [1.98]
Fuel specification*	-	Diesel (not biodiesel), winter diesel and agricultural diesel oil
Airflow performance	m³/h [cfm]	3,500 [2,060]
Airflow range	m	20
Protection class**	-	IPX5
Rated voltage	٧	230, 1 phase
Rated frequency	Hz	50
Rated power consumption	W	750
Rated current consumption (maximum)	А	5.5
Flue chimney diameter	mm	150
External controller socket	-	4 poles and grounding
Safety devices		Photocell for flame monitoring, overheating thermostat (airflow switch not needed)

^{*}Fuel temperature range between 0 - 40 °C

Munters GFn85 heater is developed and produced by Munters Italy S.p.A., Italy

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^{**} The protection class according to DIN EN 60529 indicates the suitability of electrical equipment for use in certain ambient conditions as well as the protection against risks. Meaning 1st number: protected against dust depositing inside. Protected against contact.

Meaning 2st number: protected against water jets (nozzle) from any angle.