

Nacelle Fan Heater



Features:

- Same size for all models
- Only one power supply cable
- No cable for control voltage
- Built-in overheating protection

NWC nacelle fan heater with integrated overheating protection.

This nacelle fan heater has been specifically developed for demanding environments, especially wind turbines.

Overheating protection

The fan heater is equipped with an overtemperature protection switch in order to prevent damage in case air flow is disrupted. If the temperature rises above 120°C inside the terminal box the switch will activate and cut off the power to the heating elements and the motor.

The thermal switch has to be manually reset.

Electrical installation

Installation must be carried out with a multipoled contact breaker with a contact space measuring at least 3mm per pole. Permanent installation must always be performed by an authorised electrician in accordance with current regulations. Only the electrician has knowledge of current regulations. The terminals are accessible if the screws and the plate on the right and left side are removed.

Technical data:

	Unit	NWC6400	NWC6690	NWC9400	NWC0690
Power	kW	6	6	9	9
Voltage	V	3x400	3x690	3x400	3x690
Frequency	Hz	50/60	50/60	50/60	50/60
Dimensions	(WxDxH)	345x295x385mm	345x295x385mm	345x295x385mm	345x295x385mm
Weight	kg	12	12	12	12
Airflow	m ³ /h	Approx. 800	Approx. 800	Approx. 800	Approx. 800
T.raise	°C	44	44	65	65
Fan speed	min ⁻¹	1300			
Coating		C2			
Protection degree		IPx4			
Working temp.	°C	-40/+25			
Fan motor:					
V~	V	400			
A	A	0.2			
W	W	50			
Bearing type	Fan	Ball bearings			



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Function

Nacelle heaters from NWC are special designed for cold climate applications inside the nacelle and tower. The heater is rigid and reliable designed when harsh performance is required. The heater can be supplied with either 400V or 690V.

- Nacelle heating made easy
- Available in other colours on request
- M20 cable gland
- 4 x M5 mounting holes 230 x 320mm

The control of the heater must be done externally.

All test are performed according to European Norms.

Schock and vibration tests:

IEC60068-2-6:2007 Sinus

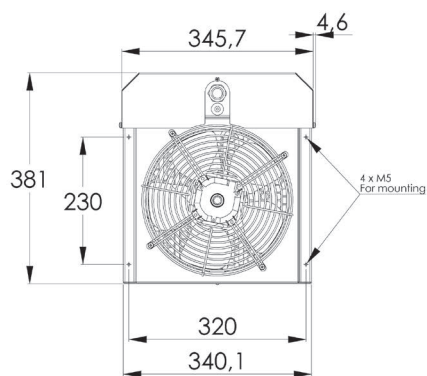
IEC60068-2-64:2008 Random

Low temperature:

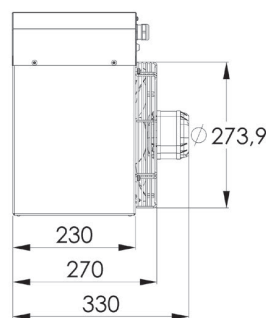
IEC60068-2-1:2007 Cold

Enclosure protection, IPX4:

IEC60529:2001



Optional multi bracket.



Mounting brackets are compatible with most common nacelle fan heaters.