HERSCHEL IR
powered by ceramicx
The future of heating – today
Developed & manufactured in the EU under strict European quality standards

TECHNICAL DATASHEET
Herschel IR - The new range of quality Far Infrared Heaters
from the market leader: Herschel Energy Ltd
www.herschel-infrared.com

HERSCHEL IR Fast305
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NOMINAL CAPACITY	PART NO.	ELEMENTS	FRAME
4 kW (4 x 1000W)	FASTIR-305-4kW	Four halogen/tungsten heaters	Polished aluminium, steel reflection
5 kW (5 x 1000W)	FASTIR-305-5kW	Five halogen/tungsten heaters	Polished aluminium, steel reflection

TABLE 1 FAST IR305 Specifications	VOLTAGE	EMITTERS FITTED	DIMENSIONS
4 tube: 4 kW	240V	1000 W QTM or 1000 W QHM	305 x 305 x 150mm
5 tube: 5kW			

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HERSCHEL IR Fast500
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NOMINAL CAPACITY	PART NO.	ELEMENTS	FRAME
12 kW (6 x 2000W)	FASTIR-500-12kW	Six halogen/tungsten heaters	Polished aluminium, steel reflection
14 kW (7 x 2000W)	FASTIR-500-14kW	Seven halogen/tungsten heaters	Polished aluminium, steel reflection

TABLE 1 FAST IR500 Specifications	VOLTAGE	EMITTERS FITTED	DIMENSIONS
6 tube: 12 kW	240V	2000 W QTM or 2000 W QHM	500 x 500 x 150mm
7 tube: 14kW			

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INSTALLATION AND OPERATING INSTRUCTIONS

The FAST IR infrared heat system is a compact and robust system that forms an ideal installation for quartz tungsten/halogen glass tube emitters.

Optimum efficiency is achieved by highly polished aluminium steel reflection and near mounted axial flow fans, which eliminate rear convection losses and keep the reflectors cool for better directional quality on the infrared output. The external body which is manufactured from aluminium can be maintained at a "touch safe" temperature.

Halogen/tungsten heaters emit infrared energy primarily in the medium to short wavelength range. The energy is produced by a high temperature tungsten coil inside a sealed quartz glass tube.

Infrared energy is emitted from all objects with a temperature above absolute zero and provides a safe and efficient means of non contact heating. However, as is the case with all high intensity heat sources, certain precautions should be taken during installation and operation.

The heater is designed for horizontal operation only unless clearly specified for vertical operation.

5 years guarantee

Installed ceramic heaters are UL recognised (file no. E214574)

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HERSCHEL iR Fast
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HERSCHEL iR Fast305 powered by ceramicx

HERSCHEL iR Fast500 powered by ceramicx

IMPORTANT INFORMATION

The heater should be installed by a qualified person ensuring that all relevant electrical safety standards are followed.

Ensure the heater is connected to an electrical supply corresponding to the rated voltage of the heater. Excessive voltage will reduce the operating life of the heater.

Halogen/tungsten heaters can take more than 10 times the normal operating current when operated from cold (normal room temperature). Ensure that fuses or other protective devices are correctly specified to handle this starting current.

The pinch seal section of the heater (the flattened glass section at the ends) should not be exposed to temperatures exceeding 300°C. Temperatures exceeding this value may cause gas leakage and therefore reduce the operating life of the heater.

The body of the Halogen/tungsten heater is a sealed quartz glass tube. Like all glass products, these heaters should be handled with care. Excessive mechanical or physical force during handling or installation could break or damage the glass tube. Broken glass may be hazardous to personnel and also the heating process.

Gloves should be worn while handling the heater. Finger prints can affect the optical properties of the glass tube and may reduce the operating life of the heater.

The temperature of the glass tube may exceed 600°C. As with all high temperature heat sources, care should be taken to ensure that the atmosphere within which the heater is operating is free of potentially explosive gases which could be ignited by contact with the glass tube. In all cases, the operator is responsible for ensuring that the heater is suitable for use in their specific application.

Halogen/tungsten heaters are high intensity infrared heaters. Care should be taken to ensure that personnel cannot touch the heater during operation and that a safe distance from the heater is always maintained to ensure there is no risk of burning due to the radiant output of the heater.

Halogen heaters can produce high intensity white light which could cause damage to human eyes.

Care should be taken to ensure that personnel cannot look directly at the heaters during operation.

If necessary, a filter to reduce the glare or protective glasses should be provided. In such cases, personnel should be warned of the danger using suitable signage.

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