

Enclosure Heater ESH



Typical Applications

Compact enclosure heater designed for consistent temperature control in cabinets with electrical or electronic components. By use of this heater functional impairments caused by condensation or freezing are counteracted. The heater is connected with open line ends or the optionally available connector block.

The ventilator is connected separately and therefore may be operated for air circulation independently from the heating element.

Characteristics

- PTC ceramic element with ventilator
- self regulating, temperature limiting
- plastic housing black UL 94V-0
- mounting position vertical, air outlet on top

Technical Specifications

	Typ ESH 800/A		Typ ESH 400/B		Typ ESH 150/B
Power at 20°C	800W / 900W (depends on version)		400W		150W
Dimensions	width	88mm	width	67mm	width 67mm
	height	147mm	height	108mm	height 108mm
	depth	90mm	depth	70mm	depth 70mm
Power supply for PTC-Heizer	220-240V 50/60 Hz	110-120V 60 Hz	220-240V 50/60 Hz	110-120V 60 Hz	24V DC
Inrush current	< 9A	< 15A	< 6A	< 9A	< 9A
Power supply for ventilator	24V DC or 110-120V AC 60Hz or 220-240V AC 50/60Hz for ESH400 VDE version 100-240V AC 50/60Hz				24V DC
Life of ventilator	>100.000h up to 300.000h (depends on version)				
Safety distances	30mm lateral and bottom, 300mm top				
Protection class	II Protection against electric shock and against contact in the connection area must be ensured by installation.				
IP protection class	IP 20				
Connections	Standard length 120mm, open line ends (optional 4-line WAGO® device connecting terminal)				
Mounting	Clip for 35mm DIN rail				
Operating temperature	-10°C to +60°C (UL version: 400W -10°C to +70°C, 800W -40 to +70°C)				
Storage temperature	-35°C to +70°C (UL version: -40 to +70°C)				
Approvals	VDE, UL (depends on version)				

100 % electrical inspection of the article during production. Observe the currently valid operating manual. Further quality documents are not part of the scope of delivery.

Technical modifications reserved



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Order information for Eichenauer enclosure heater ESH

Power	Order number	Type	air volume in m ³ /h at 20°C ¹⁾	Voltage supply PTC heater 50/60Hz	24V DC ventilator Standard (100.000h / 25°C)	24V DC ventilator Longlife (300.000h / 25°C)	220-240V AC ventilator Standard (100.000h ²⁾ / 25°C) 50/60Hz	100-240V AC ventilator Longlife (300.000h / 25°C) 50/60Hz	110-120V AC ventilator Standard (100.000h ²⁾ / 25°C) 50/60Hz	WAGO® connecting terminal	Approvals
800W	101305730000	ESH800/A/230/24/1/1/0/0	65	220-240V	X						VDE
	101305730100	ESH800/A/230/24/1/1/1/0	65	220-240V	X					X	VDE
	101305730200	ESH800/A/230/230/1/1/0/0	40	220-240V			X				VDE
	101305730300	ESH800/A/230/230/1/1/1/0	40	220-240V			X			X	VDE
	101305730400	ESH800/A/115/115/1/1/0/0	40	110-120V					X		UL
	101305730500	ESH800/A/115/115/1/1/1/0	40	110-120V					X	X	UL
900W	101305730600	ESH800/A/115/115/1/1/0/0	40	110-120V					X		UL
	101305730700	ESH800/A/115/115/1/1/1/0	40	110-120V					X	X	UL
400W	101306750000	ESH400/B/230/24/1/1/0/0	20	220-240V	X						VDE
	101306750100	ESH400/B/230/24/1/1/1/0	20	220-240V	X					X	VDE
	101306750200	ESH400/B/230/24/2/1/0/0	30	220-240V		X					VDE
	101306750300	ESH400/B/230/24/2/1/1/0	30	220-240V		X				X	VDE
	101306750400	ESH400/B/230/230/2/1/0/0	13	220-240V			X				VDE
	101306750500	ESH400/B/230/230/2/1/1/0	13	220-240V			X			X	VDE
	101306750600	ESH400/B/115/115/3/1/0/0	13	110-120V					X		UL
	101306750700	ESH400/B/115/115/3/1/1/0	13	110-120V					X	X	UL
	101306750800	ESH400/B/230/230/3/1/0/0	13	220-240V			X				UL
	101306750900	ESH400/B/230/230/3/1/1/0	13	220-240V			X			X	UL
150W	101363610000	ESH150/B/24/24/2/1/0/0	30	24V DC		X					---
	101363610100	ESH150/B/24/24/2/1/1/0	30	24V DC		X				X	---

Variations on request

¹⁾ Indicated air volumes are reference values

²⁾ UL-Version 400W: 70.000h

