TROTEC
AT HOME.

HOME COMFORT

COMFORTABLE
CLIMATE
FOR HOME

HOME APPLIANCES 2|2021

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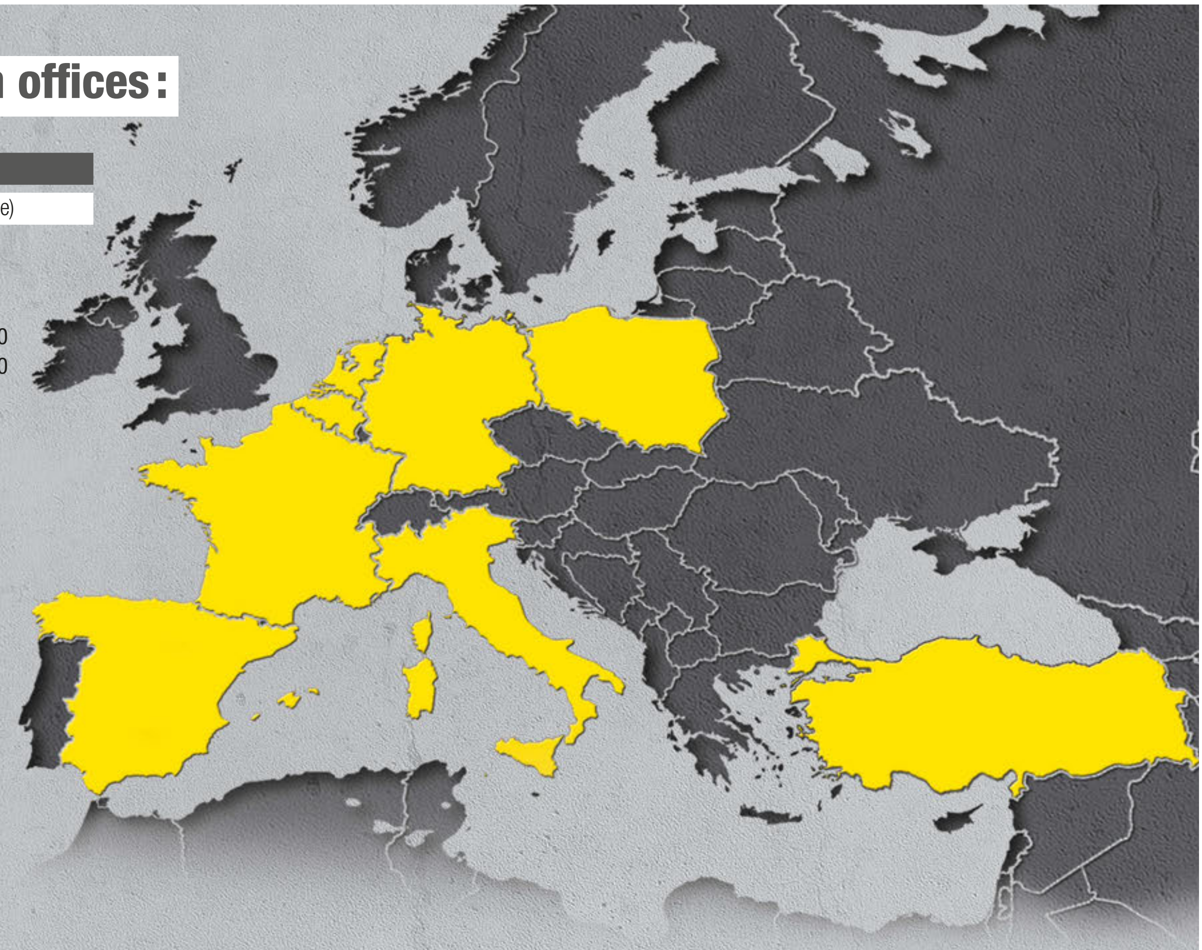

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Your direct line to Trotec

The most important telephone numbers at a glance:

Central	
Telephone	+49 2452 962-0
Service / Returns	
Customer Care Center	-599
Direct Distribution	
Online Shop / Market Places	-450
Distribution	
Distribution General	-400
Distribution International	
Export	-500
Administration	
Accounting	-290

This catalogue version is updated constantly and is also available as an interactive online edition which can be accessed at **www.trotec.com/catalogs**

Contents

DEHUMIDIFICATION

Comfort dehumidifiers .... 4 - 27

HUMIDIFICATION

Air humidifiers .... 28 - 35
Air washers .... 36 - 37

SECOSAN

SecoSan Sticks .... 38 - 39

AIR CLEANING

Air cleaners .... 40 - 45

HEATING

Radiant heaters .... 46 - 53
Radiant ceiling heaters .... 54 - 55
Pedestal radiant heaters .... 56 - 59
Fan heaters .... 60 - 69
Convectors .... 70 - 75
Oil-filled radiators .... 76 - 79
Infrared heating panels .... 80 - 83

AIR CONDITIONING

Comfort air conditioners .... 84 - 97

AIR COOLING

Air coolers .... 98 - 106

VENTILATION

Fans .... 108 - 123

CLEANING

Cordless vacuum cleaner .... 124 - 125

ACCESSORIES

Accessories .... 126 - 127

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COMFORT DEHUMIDIFIERS

THE APPROPRIATE SOLUTION FOR EVERY DEMAND

Peltier dehumidifiers

For keeping small rooms dry

TTP 1 E

TTP 2 E

TTP 5 E

TTP 10 E

Desiccant-dehumidifier

For powerful drying applications in small, unheated and cold rooms

TTK 24 E

TTK 26 E

TTK 28 E

TTK 30 E

TTR 57 E

TTK 60 E

TTK 66 E

TTK 67 E

TTK 68 E

Benefit from the
world's largest selection
of dehumidifiers!

TTK 95 E

TTK 96 E

A comprehensive overview of device differences, functional principles and possible applications of the different types of dehumidifiers can be found at:

uk.trotec.com/dehumidification-info

Condensation dehumidifiers

For drying and dry keeping of differently sized rooms

TTK 32 E

TTK 33 E

TTK 52 E

TTK 53 E

TTK 54 E

TTK 71 E

TTK 72 E

TTK 73 E

TTK 75 E

TTK 90 E

TTK 100 E

TTK 120 S

TTK 120 E

TTK 122 E

TTK 127 E

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

Mini-Dehumidifiers for small rooms that are difficult to ventilate

Wardrobe
Bathroom
Pantry
Silence

TTP 1 E

- Peltier dehumidifiers
- For keeping rooms that are difficult to ventilate, e.g. walk-in closets, windowless bathrooms or pantries, dry
- Modern thermoelectric Peltier element
- High degree of flexibility due to extra-small construction
- Simple dehumidification operation
- Air purification function – filters animal hair, fluff and dust
- Ultra-silent operation thanks to Peltier element
- Energy-efficient
- Particularly easy handling

Wardrobe
Bathroom
Pantry
Silence

TTP 2 E

- Peltier dehumidifiers
- For keeping rooms that are difficult to ventilate, e.g. walk-in closets, windowless bathrooms or pantries, dry
- Modern thermoelectric Peltier element
- High degree of flexibility due to extra-small construction
- Simple dehumidification operation
- Air purification function – filters animal hair, fluff and dust
- Ultra-silent operation thanks to Peltier element
- Energy-efficient
- Particularly easy handling

Wardrobe
Bathroom
Pantry
Silence

TTP 5 E

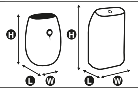
- Peltier dehumidifiers
- For keeping rooms that are difficult to ventilate, e.g. walk-in closets, windowless bathrooms or pantries, dry
- Modern thermoelectric Peltier element
- Simple dehumidification operation
- Air purification function – filters animal hair, fluff and dust
- Removes excess moisture from the air, reduces condensation and prevents mould growth
- Ultra-silent operation thanks to Peltier element
- Energy-efficient
- Particularly easy handling

Wardrobe
Bathroom
Pantry
Silence

TTP 10 E

- Peltier dehumidifiers
- For keeping rooms that are difficult to ventilate, e.g. walk-in closets, windowless bathrooms or pantries, dry
- Modern thermoelectric Peltier element
- Simple dehumidification operation
- Removable air filter
- Air purification function – filters animal hair, fluff and dust
- Removes excess moisture from the air, reduces condensation and prevents mould growth
- Ultra-silent operation thanks to Peltier element
- Energy-efficient
- Particularly easy handling

Overview:
Comfort dehumidifiers for small rooms that are difficult to ventilate

Technical data		**TTP 1 E**	**TTP 2 E**	**TTP 5 E**	**TTP 10 E**
Article number		1.105.000.001	1.105.000.002	1.105.000.010	1.105.000.020
Dehumidification performance	At 30 °C / 80 % RH	0.22 l/24h	0.22 l/24h	0.3 l/24h	0.75 l/24h
	Max.	0.22 l/24h	0.22 l/24h	0.3 l/24h	0.75 l/24h
Suitable for rooms sized up to		5 m² / 12.5 m³	5 m² / 12.5 m³	6 m² / 15 m³	10 m² / 25 m³
Operating range	Temperature	16 °C - 35 °C	16 °C - 35 °C	10 °C - 50 °C	10 °C - 50 °C
	Humidity	45 % RH	45 % RH	–	–
Input voltage		100 - 240 V/ 50 - 60 Hz	100 - 240 V/ 50 - 60 Hz	100 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz
Max. power input		0.02 kW	0.02 kW	0.02 kW	0.04 kW
Water tank		0.5 l	0.5 l	0.7 l	2 l
Sound pressure level		35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)
Length		95 mm	95 mm	100 mm	130 mm
Width		150 mm	150 mm	160 mm	220 mm
Height		220 mm	220 mm	260 mm	370 mm
Weight		1 kg	1 kg	1.5 kg	2 kg
Equipment and functions		TTP 1 E	TTP 2 E	TTP 5 E	TTP 10 E
Suitable for drying / dry keeping of rooms		– / ■	– / ■	– / ■	– / ■
Dehumidification principle		Peltier technology	Peltier technology	Peltier technology	Peltier technology
Fan stages		1	1	1	1
Filling level warning light indicating that the water tank is full		■	■	■	■
Overflow protection with automatic switch-off		■	■	■	■
Washable air filter		–	–	–	■
Adjustable air discharge direction	Manual	–	–	–	–
	Swing function	–	–	–	–
Whisper mode		■	■	■	■
Carry handles / swivel casters / parking brakes		– / – / –	– / – / –	– / – / –	■ / – / –
Connection for external condensation draining		–	–	–	–

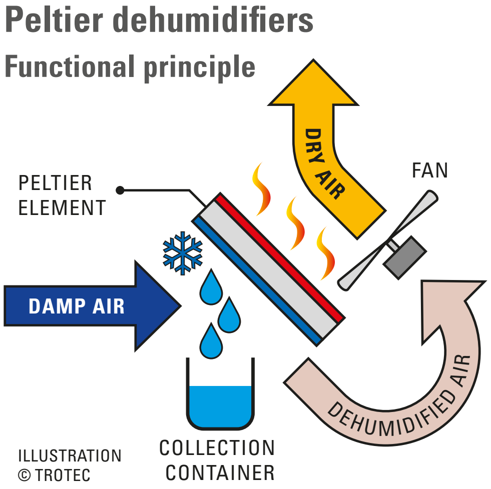
ULTRA-COMPACT DRYERS FOR USE IN SMALL ROOMS THAT ARE DIFFICULT TO VENTILATE

During operation the utterly compact Peltier dehumidifiers of the TTP series are very silent, require very little power and for process-related reasons no defrost system. Owing to their minor space requirements and the relatively small operating range these comfort dehumidifiers are ideally suited for the dry keeping of small, heated rooms difficult to ventilate, e.g. closets and shoe cabinets, pantries or small, windowless lavatories.

You can use a Peltier dehumidifier of the TTP series wherever you find a nearby socket. Simply plug it in, switch it on and start drying. Although the equipment features correspond to the variety of individual requirements. All devices are provided with sophisticated comfort functions such as a filling level warning light, an overflow protection with automatic switch-off and ultra-silent operation.

Here is how condenser dryers with Peltier technology work

A cold surface must be generated within this type of dehumidifier as well. The temperature of this surface must lie below the dew point of the air so that water can condense on it. This is achieved by the eponymous Peltier element: a compact, thermoelectric converter that – when electricity flows – causes one element side to become very hot and the other very cold. A blower now sucks in the room air and guides it past the cold side of the Peltier element. There the air cools down to below dew point, the moisture condenses and drips into a collection container. The dry air is then guided past the hot element side, where it absorbs the heat and flows back into the room as warm, dry air.



ILLUSTRATION
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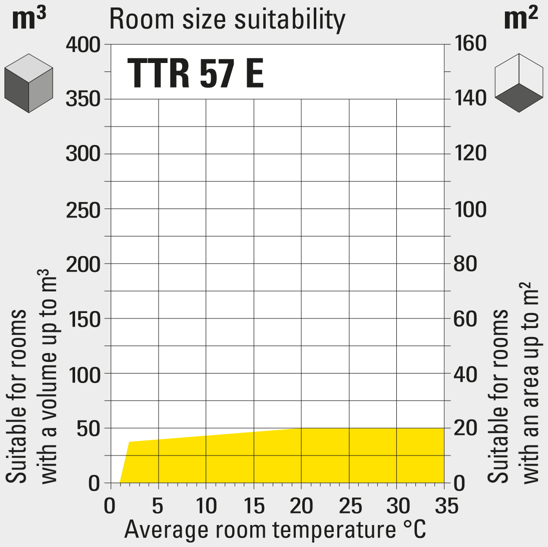
An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

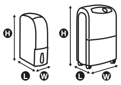
Comfort dehumidifiers for small unheated rooms

Intertek GS

TTR 57 E

- Desiccant dehumidifiers
- Suitable for unheated rooms
- Electronic control with 4 operating programmes (automatic, dehumidification, continuous, ventilation)
- Non-stop dehumidification without defrost pauses thanks to desiccation technique
- Display of the relative humidity level
- Colour LED display showing the current humidity level
- Laundry drying function
- Multiple air filtration with activated carbon
- Timer function
- 3 fan stages
- Connection for external condensate drain



Technical data		TTR 57 E
Article number	EU plug	1.120.000.065
	UK plug	–
Dehumidification performance	At 30 °C / 80 % RH	8.5 l/24h
	Max.	9 l/24h
Amount of air		185 m³/h
Suitable for rooms sized up to		20 m² / 50 m³
Operating range	Temperature	1 °C - 32 °C
	Humidity	35 % - 90 % RH
Input voltage		220 - 240 V/50 Hz
Max. power input		0.73 kW
Water tank		5 l
Sound pressure level		47 dB(A)
Length		232 mm
Width		340 mm
Height		511 mm
Weight		7.5 kg
Equipment and functions		**TTR 57 E**
Suitable for drying / dry keeping of rooms		■ / ■
Automatic defrosting	Air circulation / electronic	–
	Hot gas	–
Automatic dehumidification	Hygrostat-controlled	–
	Program-controlled	■
Fan stages		3
Filling level warning light indicating that the water tank is full		■
Overflow protection with automatic switch-off		■
Washable air filter		■
HEPA filter / activated carbon filter		☐ / ■
Selectable ioniser		–
Adjustable air discharge direction	Manual	■
	Swing function	–
Timer function		■
Laundry drying function		■
Carry handles / swivel casters / parking brakes		■ / – / –
Connection for external condensation draining		■

Selection tool for suitability [1]	TTR 57 E		
Relative room size [2]	S	M	L
Dry keeping of heated living and office spaces	4	2	1
Keeping unheated rooms such as garages, attics and basements dry	5	2	1
Keeping bathrooms and laundry rooms dry	5	1	1
Keeping holiday homes dry	5	1	1
Protecting stock and optimising room climate in libraries, archives and museums	5	1	1
Protecting classic cars, motor boats and sailing boats from corrosion	5	1	1
Increasing operating security in computer and server rooms	5	1	1
Regulating room humidity in conservatories and indoor swimming pools	3	1	1
Optimising room humidity in wine stores and wine cellars	5	3	1
Inhibition of bacterial growth in clinics or laboratories	3	1	1

Accessories	TTR 57 E
HEPA filter	7.710.000.051

■ = Standard equipment - ☐ = Optional accessories, orderable separately - ○ = Non-stop dehumidification -
[1] Suitability score from 5 = Perfectly suited to 1 = Not suited - [2] S = Small, M = Medium, L = Large

DESICCANT DEHUMIDIFIERS

Industrial devices with moist air discharge

Professional desiccant dehumidifiers are mostly used in the commercial and industrial sector, where large amounts of sometimes extremely dry air are required also at low temperatures. Both economically and technically, this can only be achieved using desiccant dehumidifiers.

Compared with solutions for private users, commercial desiccant dehumidifiers come with less comfort equipment and are instead designed to offer robustness, durability, a long lifetime and a high dry air flow rate.

Not least owing to this high air flow rate, the moisture is not condensed inside these devices, but is blown out directly in the form of hot water vapour or discharged via a hose or channel connection – as you may know from your clothes dryer at home.

Therefore, when choosing your device, make sure not to select an industrial unit for private use since the latter are not equipped with integrated water collection containers.

Comfort devices with condenser

These devices designed for private use work on the same principle as desiccant dehumidifiers for commercial applications.

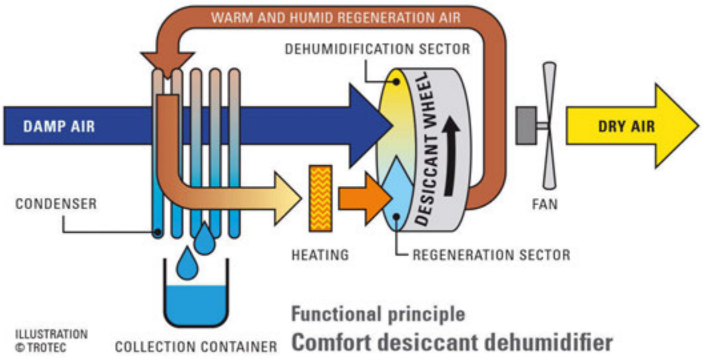
The sucked-in room air is guided through the dehumidification sector of a rotating desiccant wheel coated with a hygroscopic sorption agent on which the moisture from the air deposits.

Silica gel is a typical sorbent – a desiccant with a very large hygroscopic surface. In professional industrial desiccant dehumidifiers, each gram of this desiccant has a surface of more than 700 square metres. This means that less than 10 grams have a surface as large as an entire football pitch.

The dry air – dehumidified since the moisture was taken up by the desiccant – is then blown out into the room again.

To remove the water from moisture-loaded desiccant wheel, warm air heated by a heating element flows through a separate regeneration sector of the desiccant wheel in a continuous circuit. Owing to its temperature, the air can take up the moisture from the desiccant wheel and then guides it through a condenser element.

The cooler intake air simultaneously circulates around the condenser element, which is why the water inside the element condenses and drips into a water tank. The regeneration air is then refed to the heating element in a constant circuit to take up new moisture.



ILLUSTRATION
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Functional principle
Comfort desiccant dehumidifier

Comfort dehumidifiers with a dehumidification capacity of **up to 12 litres**

TTK 24 E

- Condensation dehumidifier
- Simple dehumidification operation
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 26 E

- Condensation dehumidifier
- Simple dehumidification operation
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 28 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification with target value preselection of 40, 50 or 60 % RH
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Display of the relative humidity level
- Particularly easy handling
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 30 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Automatic operation
- Display of the relative humidity level
- Colour LED display showing the current humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Child lock
- Automatic air circulation defrost system
- Connection for external condensate drain

Comfort dehumidifiers with a dehumidification capacity of **up to 12 litres**

TTK 32 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification with target value preselection of 40, 50 or 60 % RH
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Particularly easy handling
- Automatic air circulation defrost system
- Connection for external condensate drain

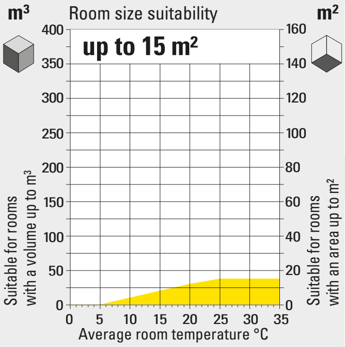
NEW

TTK 33 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated..
- Automatic operation
- Colour LED display showing the current humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain
- An activated carbon filter to remove unpleasant odours is optionally available as an accessory

WHICH DEHUMIDIFIER FOR WHAT ROOM SIZE?

Rooms up to 15 m²



TTK 24 E

TTK 26 E

TTK 28 E

TTK 30 E

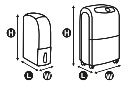
TTK 32 E

TTK 33 E

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

Trotec
Dehumidification
Humidification
SecoSan
Air cleaning
Heating
Air conditioning
Air cooling
Ventilation
Cleaning
Accessories

Comfort dehumidifiers with a dehumidification capacity of **up to 12 litres**

Overview: **Comfort dehumidifiers with a dehumidification capacity of up to 12 litres**						
Technical data		**TTK 24 E**	**TTK 26 E**	**TTK 28 E**	**TTK 30 E**	**TTK 32 E**
Article number	EU plug	1.120.000.024	1.120.000.026	1.120.000.030	1.120.000.034	1.120.000.035
	UK plug	1.120.010.024	1.120.010.026	1.120.010.030	1.120.010.034	–
	DS / black-grey	1.120.300.024	–	–	–	–
	WS / white-grey	1.120.100.024	–	–	–	–
Dehumidification performance	At 30 °C / 80 % RH	8.56 l/24h	8.56 l/24h	8.56 l/24h	10 l/24h	12 l/24h
	Max.	10 l/24h	10 l/24h	10 l/24h	12 l/24h	14 l/24h
Amount of air		100 m³/h	80 m³/h	100 m³/h	120 m³/h	118 m³/h
Suitable for rooms sized up to		15 m² / 37 m³	15 m² / 37 m³	15 m² / 37 m³	15 m² / 37 m³	15 m² / 37 m³
Operating range	Temperature	5 °C - 35 °C	5 °C - 32 °C	5 °C - 32 °C	5 °C - 32 °C	5 °C - 35 °C
	Humidity	20 % - 80 % RH	30 % - 80 % RH	35 % - 85 % RH	30 % - 80 % RH	35 % - 85 % RH
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Max. power input		0.19 kW	0.24 kW	0.33 kW	0.25 kW	0.35 kW
Type of refrigerant *		R290	R290	R290	R290	R290
Amount of refrigerant *		45 g	40 g	40 g	35 g	50 g
GWP factor *		3	3	3	3	3
CO_2 equivalent *		0.00014 t	0.00012 t	0.00012 t	0.0001 t	0.00015 t
Water tank		1.6 l	1.8 l	2 l	2.2 l	2.1 l
Sound pressure level		55 dB(A)	40 dB(A)	44 dB(A)	45 dB(A)	46 dB(A)
Length		243 mm	217 mm	237 mm	220 mm	215 mm
Width		312 mm	296 mm	300 mm	280 mm	320 mm
Height		410 mm	416 mm	410 mm	415 mm	420 mm
Weight		10 kg	9.5 kg	11 kg	9.5 kg	11.5 kg
Equipment and functions		TTK 24 E	TTK 26 E	TTK 28 E	TTK 30 E	TTK 32 E
Suitable for drying / dry keeping of rooms		■ / ■	■ / ■	■ / ■	■ / ■	■ / ■
Automatic defrosting	Air circulation / electronic	■	■	■	■	■
	Hot gas	–	–	–	–	–
Automatic dehumidification	Hygrostat-controlled	–	–	■	■	■
	Program-controlled	–	–	–	–	–
Fan stages		1	1	1	2	1
Filling level warning light indicating that the water tank is full		■	■	■	■	■
Overflow protection with automatic switch-off		■	■	■	■	■
Washable air filter		■	■	■	■	■
HEPA filter / activated carbon filter		– / –	– / –	– / –	– / –	– / –
Selectable ioniser		–	–	–	–	–
Adjustable air discharge direction	Manual	–	–	–	–	–
	Swing function	–	–	–	–	–
Timer function		–	–	–	■	–
Laundry drying function		–	–	–	■	–
Carry handles / swivel casters / parking brakes		■ / – / –	■ / – / –	■ / ■ / –	■ / – / –	■ / – / –
Connection for external condensation draining		■	■	■	■	■

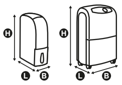
Selection tool for suitability 1)	TTK 24 E			TTK 26 E			TTK 28 E			TTK 30 E			TTK 32 E		
Relative room size 2)	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L
Dry keeping of heated living and office spaces	4	1	1	4	1	1	5	1	1	5	1	1	5	1	1
Keeping unheated rooms such as garages, attics and basements dry	1	1	1	1	1	1	2	1	1	2	1	1	2	1	1
Keeping bathrooms and laundry rooms dry	2	1	1	2	1	1	4	1	1	4	1	1	4	1	1
Keeping holiday homes dry	2	1	1	2	1	1	3	1	1	3	1	1	3	1	1
Protecting stock and optimising room climate in libraries, archives and museums	2	1	1	2	1	1	4	1	1	4	1	1	4	1	1
Protecting classic cars, motor boats and sailing boats from corrosion	2	1	1	2	1	1	4	1	1	4	1	1	4	1	1
Increasing operating security in computer and server rooms	2	1	1	2	1	1	3	1	1	3	1	1	3	1	1
Regulating room humidity in conservatories and indoor swimming pools	1	1	1	1	1	1	2	1	1	2	1	1	2	1	1
Optimising room humidity in wine stores and wine cellars	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Inhibition of bacterial growth in clinics or laboratories	2	1	1	2	1	1	3	1	1	3	1	1	3	1	1

* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

■ = Standard equipment - ☐ = Optional accessories, orderable separately - ○ = Non-stop dehumidification - 1) Suitability score from 5 = Perfectly suited to 1 = Not suited - 2) S = Small, M = Medium, L = Large

Comfort dehumidifiers with a dehumidification capacity of **up to 12 litres**

Overview:
Comfort dehumidifiers with a dehumidification capacity of up to 12 litres

Technical data		**TTK 33 E**		
Article number	EU plug	1.120.000.037		
	UK plug	–		
	DS / black-grey	–		
	WS / white-grey	–		
Dehumidification performance	At 30 °C / 80 % RH	12 l/24h		
	Max.	14 l/24h		
Amount of air		80 m³/h		
Suitable for rooms sized up to		15 m² / 37 m³		
Operating range	Temperature	5 °C - 32 °C		
	Humidity	30 % - 80 % RH		
Input voltage		220 - 240 V/50 Hz		
Max. power input		0.24 kW		
Type of refrigerant *		R290		
Amount of refrigerant *		52 g		
GWP factor *		3		
CO_2 equivalent *		0.00016 t		
Water tank		1.5 l		
Sound pressure level		43 dB(A)		
Length		205 mm		
Width		270 mm		
Height		420 mm		
Weight		10 kg		
Equipment and functions		TTK 33 E		
Suitable for drying / dry keeping of rooms		■ / ■		
Automatic defrosting	Air circulation / electronic	■		
	Hot gas	–		
Automatic dehumidification	Hygrostat-controlled	■		
	Program-controlled	■		
Fan stages		2		
Filling level warning light indicating that the water tank is full		■		
Overflow protection with automatic switch-off		■		
Washable air filter		■		
HEPA filter / activated carbon filter		– / –		
Selectable ioniser		–		
Adjustable air discharge direction	Manual	–		
	Swing function	–		
Timer function		■		
Laundry drying function		■		
Carry handles / swivel casters / parking brakes		■ / ■ / –		
Connection for external condensation draining		■		
Selection tool for suitability [1]		TTK 33 E		
Relative room size [2]		S	M	L
Dry keeping of heated living and office spaces		5	1	1
Keeping unheated rooms such as garages, attics and basements dry		2	1	1
Keeping bathrooms and laundry rooms dry		4	1	1
Keeping holiday homes dry		3	1	1
Protecting stock and optimising room climate in libraries, archives and museums		4	1	1
Protecting classic cars, motor boats and sailing boats from corrosion		4	1	1
Increasing operating security in computer and server rooms		3	1	1
Regulating room humidity in conservatories and indoor swimming pools		2	1	1
Optimising room humidity in wine stores and wine cellars		1	1	1
Inhibition of bacterial growth in clinics or laboratories		3	1	1
Accessories		TTK 33 E		
Carbon filter		7.710.000.869		

THE RIGHT SOLUTION FOR EVERY NEED: BENEFIT FROM THE WORLD'S LARGEST SELECTION OF DEHUMIDIFIERS

Good choice, good devices – with a dehumidifier from the TTK-E-S compact class, you get more than you paid for in more ways than one:

From adsorption dryers for small, unheated rooms to condensation dryers with 50 liters of dehumidification capacity - the world's largest selection of dehumidifiers always has the right model for every need and taste.

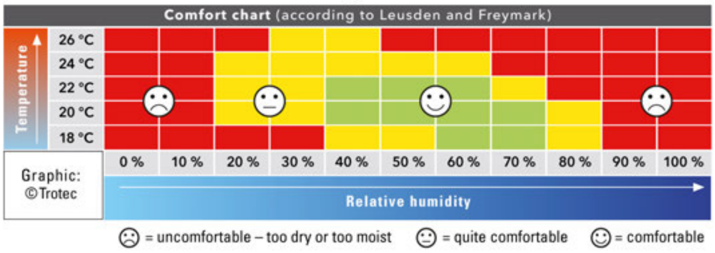
Because Trotec is the undisputed number 1 for comfort dehumidifiers, with every dehumidifier you benefit from the excellent price-performance ratio of the market leader with its own production, technical service and specialist workshops. Whether for the home, office, warehouse, garage or workshop, small or large rooms - at Trotec you are guaranteed to find the right dehumidifier solution.

TROTEC
TROTEC
TROTEC

AN OPTIMUM HUMIDITY AND EVERYTHING IS FINE!

An optimum indoor climate is not only a fundamental prerequisite for the well-being of residents – excessive humidity levels can also cause damage to the furniture and the building structure.

We feel most comfortable within the range of 20 to 22 °C at a relative humidity of 40 to 60 %, room climates outside these values tend to be perceived as unpleasant.



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* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

■ = Standard equipment - ☐ = Optional accessories, orderable separately - ⦿ = Non-stop dehumidification - [1] Suitability score from 5 = Perfectly suited to 1 = Not suited - [2] S = Small, M = Medium, L = Large

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

Comfort dehumidifiers with a dehumidification capacity of **up to 20 litres**

TTK 52 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification with target value preselection of 40, 50 or 60 % RH
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Display of the relative humidity level
- Particularly easy handling
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 53 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Automatic operation
- Display of the relative humidity level
- Colour LED display showing the current humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 54 E

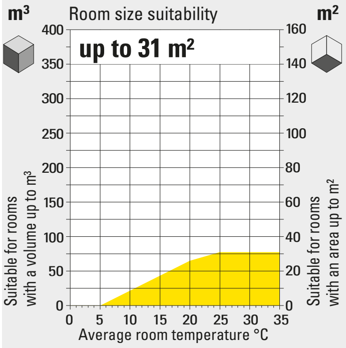
- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 35 and 85 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Continuous operation
- Comfort mode – temperature-dependent automatic operation
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 3 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 60 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 35 and 80 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Continuous operation
- Laundry-drying function
- Timer function
- 2 fan stages
- Filter cleaning indicator
- Automatic air circulation defrost system
- Connection for external condensate drain

Comfort dehumidifiers with a dehumidification capacity of **up to 20 litres**

WHICH DEHUMIDIFIER FOR WHAT ROOM SIZE?



Rooms up to 31 m²

TTK 52 E

TTK 53 E

TTK 54 E

EFFECTIVE PROTECTION AGAINST MOISTURE AND CORROSION

Do not wait until the first warning signs of moisture damage appear. For example, did you know that mould can already form at 70 % humidity – and corrosion at just 55 %?

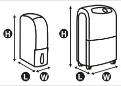
At too high humidity levels, expensive heating does not provide a remedy either: the air is indeed heated, but stays humid. Simple aeration is not the answer either, because the room air cannot be permanently stripped of humidity this way.

With a Trotec comfort dehumidifier, you can effectively prevent mois-ture damages, while also significantly improving your perceived room climate!

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

Comfort dehumidifiers with a dehumidification capacity of **up to 20 litres**

Overview:
Comfort dehumidifiers with a dehumidification capacity of up to 20 litres

Technical data		**TTK 52 E**	**TTK 53 E**	**TTK 54 E**	**TTK 60 E**
Article number	EU plug	1.120.000.042	1.120.000.043	1.120.000.044	1.120.000.049
	UK plug	1.120.010.042	1.120.010.043	1.120.010.044	1.120.010.049
Dehumidification performance	At 30 °C / 80 % RH	14.7 l/24h	14 l/24h	14 l/24h	16 l/24h
	Max.	16 l/24h	16 l/24h	16 l/24h	18 l/24h
Amount of air		110 m³/h	195 m³/h	150 m³/h	100 m³/h
Suitable for rooms sized up to		31 m² / 78 m³	31 m² / 78 m³	31 m² / 78 m³	40 m² / 100 m³
Operating range	Temperature	5 °C - 32 °C	5 °C - 32 °C	5 °C - 32 °C	5 °C - 35 °C
	Humidity	30 % - 80 % RH	30 % - 80 % RH	35 % - 85 % RH	35 % - 95 % RH
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Max. power input		0.3 kW	0.24 kW	0.43 kW	0.47 kW
Type of refrigerant *		R290	R290	R290	R290
Amount of refrigerant *		85 g	55 g	75 g	80 g
GWP factor *		3	3	3	3
CO_2 equivalent *		0.00026 t	0.00016 t	0.00023 t	0.00024 t
Water tank		2.4 l	5.5 l	3 l	3,5 l
Sound pressure level		40 dB(A)	48 dB(A)	46 dB(A)	43 dB(A)
Length		194 mm	185 mm	245 mm	225 mm
Width		304 mm	330 mm	350 mm	353 mm
Height		467 mm	550 mm	510 mm	496 mm
Weight		10 kg	14 kg	15 kg	12 kg
Equipment and functions		TTK 52 E	TTK 53 E	TTK 54 E	TTK 60 E
Suitable for drying / dry keeping of rooms		■ / ■	■ / ■	■ / ■	■ / ■
Automatic defrosting	Air circulation / electronic	■	■	■	■
	Hot gas	–	–	–	–
Automatic dehumidification	Hygrostat-controlled	■	■	■	■
	Program-controlled	–	–	–	–
Fan stages		1	2	3	2
Filling level warning light indicating that the water tank is full		■	■	■	■
Overflow protection with automatic switch-off		■	■	■	■
Washable air filter		■	■	■	■
HEPA filter / activated carbon filter		– / –	– / –	– / –	– / –
Selectable ioniser		–	–	–	–
Adjustable air discharge direction	Manual	–	–	–	–
	Swing function	–	–	–	–
Timer function		–	■	■	■
Laundry drying function		–	■	■	■
Carry handles / swivel casters / parking brakes		■ / – / –	■ / ■ / –	■ / ■ / –	■ / ■ / –
Connection for external condensation draining		■	■	■	■

Selection tool for suitability 1)	TTK 52 E			TTK 53 E			TTK 54 E			TTK 60 E		
Relative room size 2)	S	M	L	S	M	L	S	M	L	S	M	L
Dry keeping of heated living and office spaces	5	1	1	5	1	1	5	1	1	5	1	1
Keeping unheated rooms such as garages, attics and basements dry	2	1	1	3	1	1	3	1	1	2	1	1
Keeping bathrooms and laundry rooms dry	5	1	1	5	1	1	5	1	1	5	1	1
Keeping holiday homes dry	3	1	1	4	1	1	4	1	1	3	1	1
Protecting stock and optimising room climate in libraries, archives and museums	4	1	1	5	1	1	5	1	1	4	1	1
Protecting classic cars, motor boats and sailing boats from corrosion	4	1	1	5	1	1	5	1	1	4	1	1
Increasing operating security in computer and server rooms	3	1	1	4	1	1	4	1	1	3	1	1
Regulating room humidity in conservatories and indoor swimming pools	3	1	1	3	1	1	3	1	1	3	1	1
Optimising room humidity in wine stores and wine cellars	1	1	1	1	1	1	1	1	1	1	1	1
Inhibition of bacterial growth in clinics or laboratories	4	1	1	4	1	1	4	1	1	3	1	1

* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.
■ = Standard equipment - ☐ = Optional accessories, orderable separately - ○ = Non-stop dehumidification - 1) Suitability score from 5 = Perfectly suited to 1 = Not suited - 2) S = Small, M = Medium, L = Large

OVERVIEW ABOUT FEATURES AND FUNCTIONS OF DEHUMIDIFIER

Automatic Dehumidification (hygrostat- and programmatically)

On a dehumidifier the fixed humidity value (for example, 50 % RH) is stored as the chosen target. If the indoor humidity exceeds these values, the automatic hygrostat dehumidification activates the device. If the target value is reached, the device switches off automatically and into energy saving again.

Permanent mode

When the dehumidifier is in permanent mode, it is dehumidifying the air continuously and independently of the moisture content. In this mode, no fixed humidity value can be set as a target.

Comfort function

The comfort function makes it possible to regulate with one touch, the air humidity depends on the temperature automatically to a more comfortable value. Devices with this feature, such as the TTK 54 E or the TTK 127 E are ideal for lovers of upscale convenience, because very few usually know what the optimum relative humidity should be at a certain temperature.

Laundry drying function

Thanks to this function the dehumidifier can be used as an air-dryer. The device dehumidifies the air continuously and is working at the maximum ventilation level. Alternatively, solid humidity values can be selected depending on the desired drying stage of the wash.

It generally applies:
- 46 - 49 % RH for ‘Cupboard dry’
- 58 % RH for ‘Iron dry’
- 65 % RH for ‘Dried’

Inner drying function

If the dehumidifier has been disused for long periods, the inner drying function should be used to remove excess water and steam from the machine and prevent mould.

Swing function

The Swing function feature supports the optimal, draft-free redistribution of the dehumidified air through the automatic swing - the well said oscillation - the air guiding flap within semi preset position limits.

Timer function

With the integrated timer function, the desired automatic on and off times can be from 0 to 12 or 24 hours flexibly adjusted in 1-hour increments normally in most dehumidifiers.

Child safety lock

The child safety lock prevents the settings of the dehumidifier on the display to be changed inadvertently.

Overflow protection with auto shutdown

This practical and necessary function automatically shuts off the device when the water reservoir is full. It is usually signaled by a level warning light that the tank should be emptied.

Memory function

In brief if there is a power failure, the dehumidifier remembers both the pre-set ventilation stage as well as the operating mode. Not saved, however, are the pre-programmed start and stop times for automatic operation.

Connection for external condensate drain

In continuous operation, a drain hose can be connected in order to continuously remove the condensate. Thus, an emptying of the full water tank is no longer necessary and the device can be operated without supervision.

TROTEC
TTK 68 E
58%
High
Med
Low
Smart
Cont
Dry
Timer ON/OFF
Water Full
Filter Clean
ON/OFF
Fan
Mode
Humidity
Timer
ON/OFF
TROTEC

Comfort dehumidifiers with a dehumidification capacity of **up to 30 litres**

TTK 66 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 35 and 85 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Continuous operation
- Comfort mode – temperature-dependent automatic operation
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 3 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

NEW

TTK 67 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 10 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated..
- Automatic operation
- Continuous operation
- Indication of the relative humidity level
- Laundry-drying function
- Timer function
- 3 fan stages
- Swing function for even air distribution
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 68 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 10 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Automatic operation
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 3 fan stages
- Adjustable air discharge direction
- Child lock, filter cleaning indicator
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 71 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Automatic operation
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Adjustable air discharge direction
- Automatic air circulation defrost system
- Connection for external condensate drain

Comfort dehumidifiers with a dehumidification capacity of **up to 30 litres**

TTK 72 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Automatic operation
- Display of the relative humidity level
- Colour LED display showing the current humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

NEW

TTK 73 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 10 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated..
- Automatic operation
- Continuous operation
- Indication of the relative humidity level
- Laundry-drying function
- Timer function
- Night mode
- 3 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

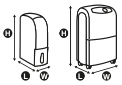
TTK 75 E

- Condensation dehumidifier
- Automatic hygrostat-controlled dehumidification plus continuous operation
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Particularly easy handling
- Automatic air circulation defrost system
- Connection for external condensate drain

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

Comfort dehumidifiers with a dehumidification capacity of **up to 30 litres**

Overview:
Comfort dehumidifiers with a dehumidification capacity of up to 30 litres

Technical data		**TTK 66 E**	**TTK 67 E**	**TTK 68 E**	**TTK 71 E**	**TTK 72 E**
Article number	EU plug	1.120.000.054	1.120.000.055	1.120.000.056	1.120.000.071	1.120.000.073
	UK plug	1.120.010.054	–	1.120.010.056	1.120.010.071	1.120.010.073
Dehumidification performance	At 30 °C / 80 % RH	20 l/24h	20 l/24h	18.7 l/24h	20 l/24h	20 l/24h
	Max.	24 l/24h	24 l/24h	20 l/24h	24 l/24h	24 l/24h
Amount of air		168 m^3/h	130 m^3/h	130 m^3/h	180 m^3/h	195 m^3/h
Suitable for rooms sized up to		50 m^2 / 125 m^3	50 m^2 / 125 m^3	45 m^2 / 110 m^3	50 m^2 / 125 m^3	50 m^2 / 125 m^3
Operating range	Temperature	5 °C - 32 °C	5 °C - 32 °C	5 °C - 32 °C	5 °C - 32 °C	5 °C - 32 °C
	Humidity	30 % - 90 % RH	30 % - 80 % r.F.	30 % - 80 % RH	30 % - 90 % RH	30 % - 80 % RH
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Max. power input		0.44 kW	0.45 kW	0.45 kW	0.42 kW	0.32 kW
Type of refrigerant *		R290	R290	R290	R290	R290
Amount of refrigerant *		75 g	110 g	110 g	55 g	60 g
GWP factor *		3	3	3	3	3
CO$_2$ equivalent *		0.00022 t	0.00033 t	0.0003 t	0.00016 t	0.00018 t
Water tank		3 l	3.5 l	4 l	2.3 l	5.5 l
Sound pressure level		46 dB(A)	43 dB(A)	43 dB(A)	48 dB(A)	48 dB(A)
Length		245 mm	210 mm	246 mm	220 mm	185 mm
Width		350 mm	325 mm	367 mm	350 mm	330 mm
Height		510 mm	580 mm	582 mm	550 mm	550 mm
Weight		15 kg	15.5 kg	15 kg	13 kg	14.5 kg
Equipment and functions		TTK 66 E	TTK 67 E	TTK 68 E	TTK 71 E	TTK 72 E
Suitable for drying / dry keeping of rooms		■ / ■	■ / ■	■ / ■	■ / ■	■ / ■
Automatic defrosting	Air circulation / electronic	■	■	■	■	■
	Hot gas	–	–	–	–	–
Automatic dehumidification	Hygrostat-controlled	■	■	■	■	■
	Program-controlled	–	–	–	–	–
Fan stages		3	3	3	2	2
Filling level warning light indicating that the water tank is full		■	–	■	■	■
Overflow protection with automatic switch-off		■	■	■	■	■
Washable air filter		■	■	■	■	■
HEPA filter / activated carbon filter		– / –	– / –	– / –	– / –	– / –
Selectable ioniser		–	–	–	–	–
Adjustable air discharge direction	Manual	–	–	■	■	–
	Swing function	–	■	–	–	–
Timer function		■	■	■	■	■
Laundry drying function		■	■	■	■	■
Carry handles / swivel casters / parking brakes		■ / ■ / –	■ / ■ / –	■ / ■ / –	■ / – / –	■ / ■ / –
Connection for external condensation draining		■	■	■	■	■

Selection tool for suitability 1)	TTK 66 E			TTK 67 E			TTK 68 E			TTK 71 E			TTK 72 E		
Relative room size 2)	S	M	L	S	M	L	S	M	L	S	M	L	S	M	L
Dry keeping of heated living and office spaces	5	1	1	5	1	1	5	1	1	5	1	1	5	1	1
Keeping unheated rooms such as garages, attics and basements dry	3	1	1	3	1	1	3	1	1	3	1	1	3	1	1
Keeping bathrooms and laundry rooms dry	5	1	1	5	1	1	5	1	1	5	1	1	5	1	1
Keeping holiday homes dry	4	2	1	4	2	1	4	2	1	4	2	1	4	2	1
Protecting stock and optimising room climate in libraries, archives and museums	5	1	1	5	1	1	5	1	1	5	1	1	5	1	1
Protecting classic cars, motor boats and sailing boats from corrosion	5	2	1	5	2	1	5	2	1	5	2	1	5	2	1
Increasing operating security in computer and server rooms	4	1	1	4	1	1	4	1	1	4	1	1	4	1	1
Regulating room humidity in conservatories and indoor swimming pools	3	1	1	3	1	1	3	1	1	3	1	1	3	1	1
Optimising room humidity in wine stores and wine cellars	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Inhibition of bacterial growth in clinics or laboratories	4	1	1	4	1	1	4	1	1	4	1	1	4	1	1

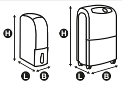
* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

■ = Standard equipment - ☐ = Optional accessories, orderable separately - ○ = Non-stop dehumidification - 1) Suitability score from 5 = Perfectly suited to 1 = Not suited - 2) S = Small, M = Medium, L = Large

Comfort dehumidifiers with a dehumidification capacity of **up to 30 litres**

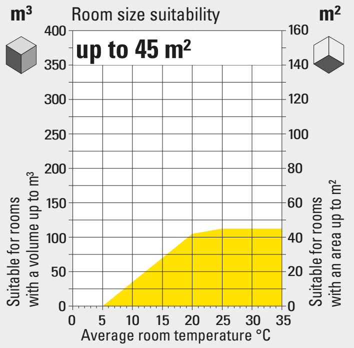
Overview:

Comfort dehumidifiers with a dehumidification capacity of up to 30 litres

Technical data		TTK 73 E	TTK 75 E
Article number	EU plug	1.120.000.074	1.120.001.003
	UK plug	–	1.120.011.003
Dehumidification performance	At 30 °C / 80 % RH	20 l/24h	18.2 l/24h
	Max.	24 l/24h	20 l/24h
Amount of air		130 m³/h	150 m³/h
Suitable for rooms sized up to		50 m² / 125 m³	45 m² / 110 m³
Operating range	Temperature	5 °C - 32 °C	5 °C - 32 °C
	Humidity	30 % - 80 % r.F.	30 % - 90 % r.F.
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz
Max. power input		0.45 kW	0.42 kW
Type of refrigerant *		R290	R290
Amount of refrigerant *		110 g	86 g
GWP factor *		3	3
CO_2 equivalent *		0.00033 t	0.00026 t
Water tank		3.5 l	3 l
Sound pressure level		43 dB(A)	43 dB(A)
Length		220 mm	253 mm
Width		365 mm	340 mm
Height		590 mm	540 mm
Weight		15.5 kg	12.5 kg
Equipment and functions		TTK 73 E	TTK 75 E
Suitable for drying / dry keeping of rooms		■ / ■	■ / ■
Automatic defrosting	Air circulation / electronic	■	■
	Hot gas	–	–
Automatic dehumidification	Hygrostat-controlled	■	■
	Program-controlled	–	–
Fan stages		3	2
Filling level warning light indicating that the water tank is full		–	■
Overflow protection with automatic switch-off		■	■
Washable air filter		■	■
HEPA filter / activated carbon filter		– / –	– / –
Selectable ioniser		–	–
Adjustable air discharge direction	Manual	–	–
	Swing function	■	–
Timer function		■	■
Laundry drying function		■	■
Carry handles / swivel casters / parking brakes		■ / ■ / –	■ / ■ / –
Connection for external condensation draining		■	■

Selection tool for suitability [1]	TTK 73 E			TTK 75 E		
Relative room size [2]	S	M	L	S	M	L
Dry keeping of heated living and office spaces	5	1	1	5	1	1
Keeping unheated rooms such as garages, attics and basements dry	3	1	1	3	1	1
Keeping bathrooms and laundry rooms dry	5	1	1	5	1	1
Keeping holiday homes dry	4	2	1	4	2	1
Protecting stock and optimising room climate in libraries, archives and museums	5	1	1	5	1	1
Protecting classic cars, motor boats and sailing boats from corrosion	5	2	1	5	2	1
Increasing operating security in computer and server rooms	4	1	1	4	1	1
Regulating room humidity in conservatories and indoor swimming pools	3	1	1	3	1	1
Optimising room humidity in wine stores and wine cellars	1	1	1	1	1	1
Inhibition of bacterial growth in clinics or laboratories	4	1	1	4	1	1

WHICH DEHUMIDIFIER FOR WHAT ROOM SIZE?

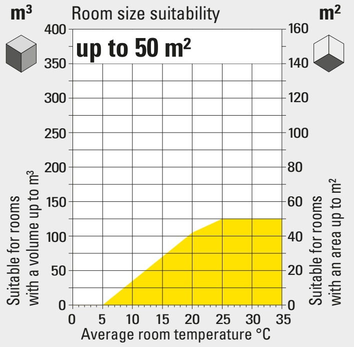


Rooms up to 45 m²

TTK 60 E

TTK 68 E

TTK 75 E



Rooms up to 50 m²

TTK 66 E

TTK 67 E

TTK 71 E

TTK 72 E

TTK 73 E

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* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

■ = Standard equipment - ☐ = Optional accessories, orderable separately - ○ = Non-stop dehumidification - [1] Suitability score from 5 = Perfectly suited to 1 = Not suited - [2] S = Small, M = Medium, L = Large

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

Comfort dehumidifiers with a dehumidification capacity of **30 litres and more**

TTK 90 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 90 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 95 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 90 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Swing function for even air distribution
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 96 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 35 and 85 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Comfort mode – temperature-dependent automatic operation
- Particularly easy handling
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 100 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 80 % RH in steps of 10 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Hot gas automatic defrosting – for unheated rooms
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

Comfort dehumidifiers with a dehumidification capacity of **30 litres and more**

TTK 120 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 90 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Display of the relative humidity level
- Laundry-drying function
- Automatic air circulation defrost system
- Connection for external condensate drain

TTK 120 S

- Condensation dehumidifier
- Solid metal plastic composite housing
- Hygrostat-controlled automatic dehumidification system with target value preselection between 10 and 80 % RH in steps of 10 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. When the value is exceeded, the device is automatically activated.
- Hot gas automatic defrosting on a 30 minute cycle – for unheated rooms
- Connection for external condensate drain

TTK 122 E

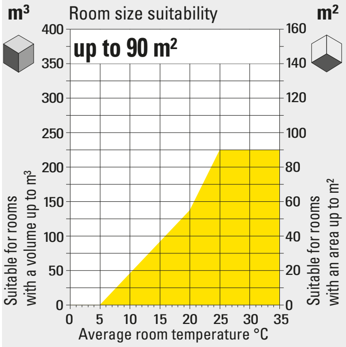
- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 30 and 90 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Display of the relative humidity level
- Laundry-drying function
- Hot gas automatic defrosting – for unheated rooms
- Connection for external condensate drain

TTK 127 E

- Condensation dehumidifier
- Hygrostat-controlled automatic dehumidification system with target value preselection between 35 and 85 % RH in steps of 5 %
- When the desired humidity level is reached, the compressor switches off automatically. The fan keeps running. The display does not switch off. When the value is exceeded, the device is automatically activated.
- Comfort mode – temperature-dependent automatic operation
- Particularly easy handling
- Display of the relative humidity level
- Laundry-drying function
- Timer function
- 2 fan stages
- Automatic air circulation defrost system
- Connection for external condensate drain

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

WHICH DEHUMIDIFIER FOR WHAT ROOM SIZE?

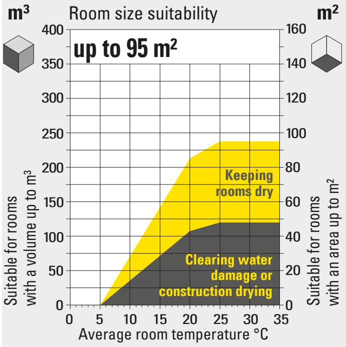


Rooms up to 90 m²

TTK 90 E

TTK 95 E

TTK 96 E

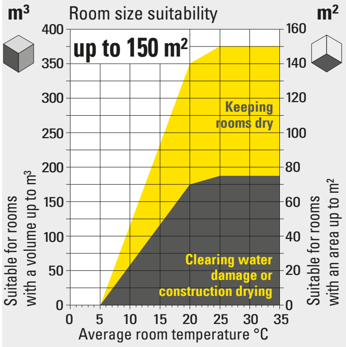


Rooms up to 95 m²

TTK 100 E

TTK 120 E

TTK 120 S



Rooms up to 150 m²

TTK 122 E

TTK 127 E

OPTIONAL ACCESSORIES FOR COMFORT DEHUMIDIFIERS

BH30 Socket hygrostat

- Constant humidity regulation of humidifiers and dehumidifiers to a set value
- Regulation of the humidity level between 20 % and 90 % RH
- Buffer battery for storage of selected settings

Article number 6.100.004.205

BZ06 Designer weather station

- Simultaneous indication of room temperature, humidity level, date, time, weekday and symbolic weather forecast
- Supplies helpful information for preventing mould growth
- Display of minimum and maximum values
- Alarm function with snooze button

Article number 3.510.205.016

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

DEHUMIDIFIERS OF TROTEC'S HOMECOMFORT SERIES

A strong brand for more well-being at home

Trotec has been developing, manufacturing and selling market-leading dehumidifiers to create a healthy indoor climate for more than 20 years. Our development engineers, technicians and product consultants have first-class know-how and know about the particularly sensitive requirements for optimally conditioned air.

Innovative dehumidifiers from Trotec in-house production

Trotec is continuously expanding its range of dehumidifiers with new product innovations from their own development in order to be able to recommend the right device for your demands. As an international market leader, our claim is not only to sell dehumidifiers, but also to offer in-depth consultation and comprehensive customer service.

Competent consultation before purchase

A dehumidifier can only create a healthy room climate if the device is perfectly matched to your individual environment. There are various factors to be taken into account, which a layman cannot assess, but which our engineers and product consultants deal with on a daily basis. This concentrated knowledge contributes to the continuous development of our dehumidification devices and is also incorporated in our extensive online product presentation.

In-house repair service

Should there ever be a problem with one of our devices, we will help you as quickly as possible to keep the downtime of your device to a minimum. As a brand provider, Trotec has its own repair service with highly qualified technicians and a service vehicle fleet. The perfectly organised shipping service also enables us to keep processing times as short as possible in the event of a repair. The Trotec brand service is always there for you, even after the purchase.

Immediate availability, fast delivery

Our large warehouses across Europe guarantee the constant availability of over 50,000 dehumidifiers, so that we always have the right dehumidifier for every need and taste in stock. At the best value-for-money ratio and delivered directly to your home in next to no time. Express delivery is also possible on request.

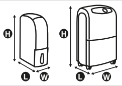
Comprehensive spare parts service

Trotec products are durable and low-maintenance. This is what distinguishes our devices. Therefore, you will be able to obtain all necessary spare parts through our spare parts service even many years after purchasing your dehumidifier. 100,000 spare parts are constantly in stock, so you can count on fast spare parts delivery today and in the future. At favourable manufacturer prices, of course.

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

Comfort dehumidifiers with a dehumidification capacity of **30 litres and more**

Overview:
Comfort dehumidifiers with a dehumidification capacity of 30 litres and more

Technical data		**TTK 90 E**	**TTK 95 E**	**TTK 96 E**	**TTK 100 E**
Article number	EU plug	1.120.000.105	1.120.000.106	1.120.000.101	1.120.001.005
	UK plug	1.120.010.105	1.120.010.106	1.120.010.101	1.120.011.005
Dehumidification performance	At 30 °C / 80 % RH	28.4 l/24h	28 l/24h	28.3 l/24h	25 l/24h
	Max.	30 l/24h	30 l/24h	30 l/24h	30 l/24h
Amount of air		173 m³/h	185 m³/h	191 m³/h	215 m³/h
Suitable for rooms sized up to		90 m² / 230 m³	90 m² / 230 m³	90 m² / 230 m³	90 m² / 230 m³
Operating range	Temperature	5 °C - 32 °C	5 °C - 32 °C	5 °C - 32 °C	5 °C - 32 °C
	Humidity	30 % - 90 % RH	30 % - 90 % RH	35 % - 100 % RH	30 % - 80 % RH
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Max. power input		0.5 kW	0.5 kW	0.72 kW	0.57 kW
Type of refrigerant *		R290	R290	R290	R290
Amount of refrigerant *		125 g	129 g	100 g	122 g
GWP factor *		3	3	3	3
CO$_2$ equivalent *		0.00038 t	0.00039 t	0.0003 t	0.00037 t
Water tank		5.2 l	5.3 l	3 l	4.3 l
Sound pressure level		50 dB(A)	43 dB(A)	50 dB(A)	50 dB(A)
Length		253 mm	350 mm	260 mm	274 mm
Width		340 mm	430 mm	386 mm	390 mm
Height		540 mm	560 mm	500 mm	612 mm
Weight		14 kg	15.5 kg	17 kg	15.5 kg
Equipment and functions		TTK 90 E	TTK 95 E	TTK 96 E	TTK 100 E
Suitable for drying / dry keeping of rooms		■ / ■	■ / ■	■ / ■	■ / ■
Automatic defrosting	Air circulation / electronic	■	■	■	–
	Hot gas	–	–	–	■
Automatic dehumidification	Hygrostat-controlled	■	■	■	■
	Program-controlled	–	–	–	–
Fan stages		2	2	2	2
Filling level warning light indicating that the water tank is full		■	■	■	■
Overflow protection with automatic switch-off		■	■	■	■
Washable air filter		■	■	■	■
HEPA filter / activated carbon filter		– / –	– / –	– / –	– / –
Selectable ioniser		–	–	–	–
Adjustable air discharge direction	Manual	–	–	–	–
	Swing function	–	■	–	–
Timer function		■	■	■	■
Laundry drying function		■	■	■	■
Carry handles / swivel casters / parking brakes		■ / ■ / –	■ / ■ / –	■ / ■ / –	■ / ■ / –
Connection for external condensation draining		■	■	■	■

Selection tool for suitability [1]	TTK 90 E			TTK 95 E			TTK 96 E			TTK 100 E		
Relative room size [2]	S	M	L	S	M	L	S	M	L	S	M	L
Dry keeping of heated living and office spaces	5	3	2	5	3	2	5	3	2	5	3	2
Keeping unheated rooms such as garages, attics and basements dry	3	1	1	3	1	1	3	2	1	3	1	1
Keeping bathrooms and laundry rooms dry	5	3	1	5	3	1	5	3	1	5	3	1
Keeping holiday homes dry	4	3	1	4	3	1	4	3	1	4	3	1
Protecting stock and optimising room climate in libraries, archives and museums	5	3	1	5	3	1	5	3	1	5	3	1
Protecting classic cars, motor boats and sailing boats from corrosion	5	3	1	5	3	1	5	3	1	5	3	1
Increasing operating security in computer and server rooms	5	3	2	4	3	2	5	3	2	4	3	2
Regulating room humidity in conservatories and indoor swimming pools	4	2	1	4	2	1	4	2	1	4	2	1
Optimising room humidity in wine stores and wine cellars	2	1	1	2	1	1	2	1	1	2	1	1
Inhibition of bacterial growth in clinics or laboratories	4	2	1	4	2	1	4	2	1	4	2	1

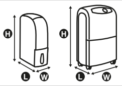
* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

■ = Standard equipment - □ = Optional accessories, orderable separately - ◉ = Non-stop dehumidification - [1] Suitability score from 5 = Perfectly suited to 1 = Not suited - [2] S = Small, M = Medium, L = Large

Comfort dehumidifiers with a dehumidification capacity of **30 litres and more**

Overview:

Comfort dehumidifiers with a dehumidification capacity of 30 litres and more

Technical data		**TTK 120 E**	**TTK 120 S**	**TTK 122 E**	**TTK 127 E**
Article number	EU plug	1.120.000.119	1.120.000.122	1.120.000.123	1.120.000.126
	UK plug	1.120.010.119	1.120.010.122	1.120.010.123	1.120.010.126
Dehumidification performance	At 30 °C / 80 % RH	28 l/24h	27 l/24h	38 l/24h	46.8 l/24h
	Max.	30 l/24h	35 l/24h	40 l/24h	50 l/24h
Amount of air		340 m³/h	510 m³/h	350 m³/h	353 m³/h
Suitable for rooms sized up to		95 m² / 238 m³	95 m² / 238 m³	120 m² / 300 m³	150 m² / 375 m³
Operating range	Temperature	9 °C - 35 °C	3 °C - 40 °C	9 °C - 35 °C	5 °C - 32 °C
	Humidity	40 % - 100 % RH	40 % - 100 % RH	40 % - 100 % RH	35 % - 100 % RH
Input voltage		230 V/50 Hz	220 - 240 V/50 Hz	230 V/50 Hz	220 - 240 V/50 Hz
Max. power input		0.6 kW	0.6 kW	0.7 kW	1.06 kW
Type of refrigerant *		R-134A	R290	R-134A	R290
Amount of cooling agent *		260 g	150 g	330 g	145 g
GWP factor *		1.430	3	1.430	3
CO_2 equivalent *		0.372 t	0.00045 t	0.472 t	0.00044 t
Water tank		10 l	9 l	10 l	6 l
Sound pressure level		47 dB(A)	59 dB(A)	49 dB(A)	50 dB(A)
Length		310 mm	362 mm	310 mm	282 mm
Width		435 mm	380 mm	435 mm	392 mm
Height		650 mm	605 mm	650 mm	616 mm
Weight		22.3 kg	22.5 kg	22.9 kg	19 kg
Equipment and functions		TTK 120 E	TTK 120 S	TTK 122 E	TTK 127 E
Suitable for drying / dry keeping of rooms		■ / ■	■ / ■	■ / ■	■ / ■
Automatic defrosting	Air circulation / electronic	■	–	–	■
	Hot gas	–	■	■	–
Automatic dehumidification	Hygrostat-controlled	■	■	■	■
	Program-controlled	–	–	–	–
Fan stages		1	1	1	2
Filling level warning light indicating that the water tank is full		■	■	■	■
Overflow protection with automatic switch-off		■	■	■	■
Washable air filter		■	■	■	■
HEPA filter / activated carbon filter		– / –	– / –	– / –	– / –
Selectable ioniser		–	–	–	–
Adjustable air discharge direction	Manual	–	–	–	–
	Swing function	–	–	–	–
Timer function		–	–	–	■
Laundry drying function		■	–	■	■
Carry handles / swivel casters / parking brakes		■ / ■ / –	■ / ■ / ■	■ / ■ / –	■ / ■ / –
Connection for external condensation draining		■	■	■	■

Selection tool for suitability [1]	TTK 120 E			TTK 120 S			TTK 122 E			TTK 127 E		
Relative room size [2]	S	M	L	S	M	L	S	M	L	S	M	L
Dry keeping of heated living and office spaces	5	4	2	5	4	2	5	5	3	5	5	4
Keeping unheated rooms such as garages, attics and basements dry	3	2	1	5	3	2	5	4	3	5	5	4
Keeping bathrooms and laundry rooms dry	5	4	2	5	4	2	5	5	3	5	5	4
Keeping holiday homes dry	4	3	1	5	4	2	5	5	4	5	4	4
Protecting stock and optimising room climate in libraries, archives and museums	5	4	2	5	4	2	5	5	3	5	5	4
Protecting classic cars, motor boats and sailing boats from corrosion	5	3	1	5	4	2	5	5	3	5	5	4
Increasing operating security in computer and server rooms	5	4	2	5	4	2	5	5	3	5	5	4
Regulating room humidity in conservatories and indoor swimming pools	5	4	2	5	4	2	5	5	3	5	5	4
Optimising room humidity in wine stores and wine cellars	2	1	1	5	3	2	5	4	3	5	4	4
Inhibition of bacterial growth in clinics or laboratories	5	4	2	5	4	2	5	5	3	5	5	4

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* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

■ = Standard equipment - ☐ = Optional accessories, orderable separately - ● = Non-stop dehumidification - [1] Suitability score from 5 = Perfectly suited to 1 = Not suited - [2] S = Small, M = Medium, L = Large

An overview of device differences, functional principles and possible applications of the dehumidifiers can be found at: **uk.trotec.com/dehumidification-info**

HUMIDIFICATION AND AIR PURIFICATION

FOR GENERATING HEALTHY ROOM AND BREATHING AIR

Ultrasonic humidifiers

For improving the air quality

B 1 E

B 2 E

B 5 E

B 6 E

B 7 E

Evaporation humidifiers

For an optimum regulation of the humidity level

B 24 E B 25 E

B 400

Air washers

For odour elimination, air purification and humidification

AW 10 S

AW 20 S

HUMIDIFICATION USING ULTRASOUND

Unlike cold evaporation humidifiers or rotational humidifiers that humidify dry room air by blowing it through a filter fleece enriched with water, ultrasonic humidifiers atomize water directly to produce an ultra-fine spray mist, which is why they are often referred to as atomizers or nebulizers.

Ultrasound procedure with an unheard-of efficiency

Water is next to incompressible and makes for a very poor pressure absorber. You may have noticed this watching a glass of water positioned on a speaker. Turning up the volume the water begins to ripple. In a way, the water surface "dances" to the beat and so renders the sounds visible in form of waves. A high-pitched note connotes a high frequency as can be seen from the higher wave. The ultrasonic humidifier takes advantage of this principle. A piezoelectric transducer converts electric energy to mechanical energy. An ultrasonic transducer located at the bottom of the water tank uses high-frequency sound to generate high pressure surges which then release tiny air bubbles (cavitation). The simultaneously triggered pressure waves entrain these bubbles and carry them off to the surface where a water column is created above the transducer. The bursting of these bubbles at the surface of the water column results in ultrafine mist droplets with a diameter of approx. 1 µm which can be absorbed by the air particularly fast.

This entire process is repeated over and over at an incredible speed. With approx. 1.8 MHz the ultrasound frequency lives up to its name and is no longer audible for human ears – hence this noiseless procedure can be used for an agreeable, quiet atmosphere. This truly sets the water in motion for 1.8 MHz mean that 1.8 million oscillation cycles are transferred to the water each second! As a result minuscule cavities are formed at the water surface and ultrafine mist droplets are released from the wave crest.

Clean, humidified air – as a matter of hygiene

Die Ultraschalltechnik ist nicht neu und kommt bereits seit vielen Jahren bei verschiedensten Anwendungen erfolgreich zum Einsatz, wenn die Raumluftfeuchtigkeit mit hoher Präzision bei gleichzeitig niedrigen Betriebskosten reguliert werden muss. Dabei ist immer wieder der Vorwurf zu hören, Ultraschallbefeuchter seien unhygienisch und begünstigten eine vermehrte Keimbildung im Wasserreservoir mit entsprechender Verbreitung durch die Vernebelung.Tatsache ist, dass Wasserstagnation in Behältern stets zu Keimbildung führt. Insofern neigt jedes wasserbefüllte Gerät bei mangelnder Wartung und Pflege zur Schmutzbildung im Wasser, unabhängig von der Befeuchtungstechnik.

For process-related reasons, however, ultrasonic humidifiers require a higher degree of discipline when it comes to hygiene. Here water is not evaporating, leaving potential germs behind in the container, instead the water is turned into mist using ultrasound and then emitted to the air. Even though the ultrasound already kills germs and bacteria, to permanently preserve the functionality of such devices in daily operation it is necessary to clean them regularly and thoroughly according to the manufacturer's instructions. Extended periods of water stagnation inside the tank must be prevented.

In order for ultrasonic humidifiers to operate hygienically, the water needs to be demineralized and ideally disinfected. Some devices come with integrated UV lamps for this purpose. Alternatively you may want to use a Secosan Stick to protect the water tank of the ultrasonic humidifier from germ infestation and bacterial growth on a permanent basis. When refilling water the stick can simply remain in the tank, its effect lasts six months without interruption.

Instead of using a Secosan Stick you can exchange the water every day (tap water must have been boiled first and then cooled down to room temperature, else you can use demineralized water).

Actually "distilled" water is ideal for use in an ultrasonic humidifier since the distillation – to a great extent – already cleans the water from salts, organic matter, micro-organisms and other contaminations which contributes to all hygiene-related efforts.

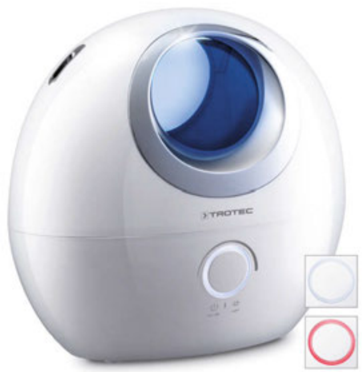
Unfortunately, truly distilled water, i.e. manufactured by distillation, is increasingly hard to obtain nowadays because in most cases the production is cheaper using ion exchangers.

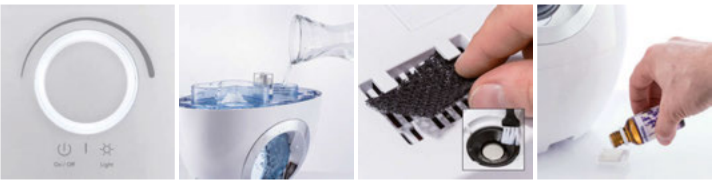
Water demineralized by means of ionization is often incorrectly referred to as "distilled water" and offered for use in car batteries and flat irons. However, this is no indication of it being free of germs unless the packaging bears the express declaration "suitable for medical purposes".

You will be much better off using decocted tap water and exchanging it daily. This saves you the purchase of expensive distilled water and is perfectly adequate from a hygienic point of view. Boiling not only kills most of the microorganisms and germs in the water, it also reduces the water's hardness which in turn significantly reduces scale build-up in the immediate surroundings of the device – even with an already installed decalcification cartridge.

SECOSAN 30 STICK
SECOSAN 2 STICK
SECOSAN 10 STICK
SECOSAN 1 STICK

Ultrasonic humidifiers for an agreeable room climate

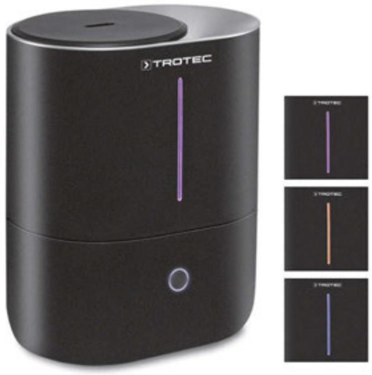




B 1 E

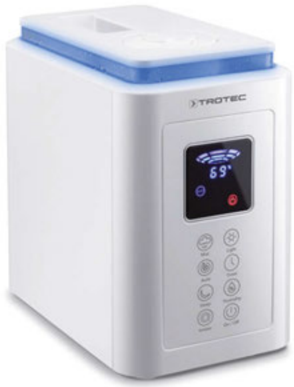
- Ultrasonic humidifier
- 2-in-1 humidifier and aroma diffuser
- Ultrasound technology for a pleasant room climate and air quality improvement
- Integrated scented oil diffuser for an optional room air aromatization
- Steplessly adjustable nebulizer intensity
- Runtime of up to 15 hours thanks to a large water tank
- Can be used with normal tap water – no distilled water required
- Automatic switch-off
- On-demand LED lighting of the water tank
- Low-maintenance and uncomplicated – easy disassembly and cleaning

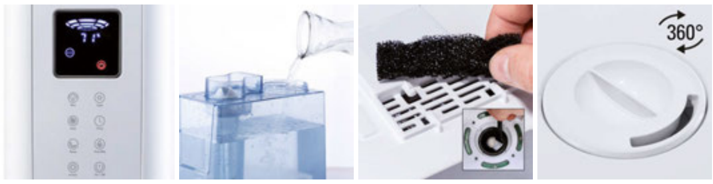
NEW



B 2 E

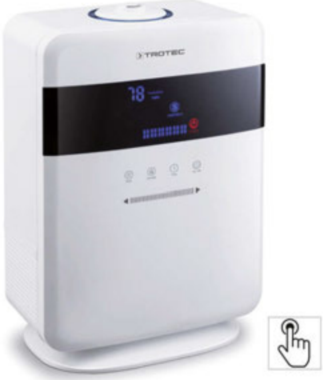
- Ultrasonic humidifier
- 3-in-1 humidifier, aroma diffuser and air cleaner
- Ultrasound technology for a pleasant room climate and air quality improvement
- Integrated scented oil diffuser for an optional room air aromatization
- 4 levels for setting the nebulizer intensity
- Runtime of up to 13 hours thanks to a large water tank
- Can be used with normal tap water – no distilled water required
- Automatic operation
- Carbon air filter
- Water level indicator
- LED indicator to indicate an empty water tank
- Automatic switch-off





B 5 E

- Ultrasonic humidifier
- 2-in-1 humidifier and air cleaner
- Ultrasound technology for a pleasant room climate and air quality improvement
- 360° rotatable mist nozzle
- 3 levels for setting the nebulizer intensity
- Runtime of up to 13 hours thanks to a large water tank
- Can be used with normal tap water – no distilled water required
- Ionizer for better air quality
- Automatic operation, baby mode and night mode
- Timer function
- Indication of the current humidity level
- Automatic switch-off
- On-demand LED lighting of the water tank



B 6 E

- Ultrasonic humidifier
- 3-in-1 humidifier, aroma diffuser and air cleaner
- Ultrasound technology for a pleasant room climate and air quality improvement
- 360° rotatable mist nozzle
- 6 levels for setting the nebulizer intensity
- Runtime of up to 16 hours thanks to a large water tank
- Can be used with normal tap water – no distilled water required
- Ionizer for better air quality
- Automatic operation and night mode
- Timer function
- Touchscreen control panel
- Indication of the current humidity level
- Automatic switch-off

NEW

B 7 E

- Ultrasonic humidifier
- 3-in-1 humidifier, aroma diffuser and air cleaner
- Ultrasound technology for a pleasant room climate and air quality improvement
- Integrated scented oil diffuser for an optional room air aromatization
- 3 levels for setting the nebulizer intensity
- Runtime of up to 16 hours thanks to a large water tank
- Can be used with normal tap water – no distilled water required
- Automatic operation and night mode
- Carbon air filter
- Antibacterial UV lamp reduces bacteria in the water tank
- Timer function
- Touchscreen control panel
- Indication of the current humidity level
- Automatic switch-off

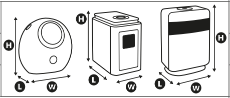
AIR – EASY TO BREATHE AND OPTIONALLY WITH A STIMULATING FRAGRANCE

Some ultrasonic humidifiers are additionally equipped with aroma diffusers. These models basically house two devices in one shell – humidifier and fragrance diffuser. An integrated scented oil tank permits the addition of an essential oil of your choice – revitalizing or relaxing.

The on-demand fragrance diffuser atomizes the oil to an ultrafine spray which is evenly distributed in the room leaving nothing but a discreet scent. As such it is fairly predestined for aroma therapy stimulating men's own healing powers. The scent of essential oils affects our well-being and can be a natural remedy for stress, bad mood or even sleep problems. To make sure this agreeable room climate can be appreciated by all senses some ultrasonic humidifiers are further provided with an on-demand LED illumination as "wellness for the eyes".

TROTEC
TROTEC
TROTEC

Ultrasonic humidifiers for an agreeable room climate

Overview: **Ultrasonic humidifiers**					
Technical data	**B1E**	**B2E**	**B5E**	**B6E**	**B7E**
Article number	1.160.000.050	1.160.000.051	1.160.000.055	1.160.000.056	1.160.000.057
Suitable for rooms sized up to	20 m² / 50 m³	30 m² / 75 m³	30 m² / 75 m³	30 m² / 75 m³	30 m² / 75 m³
Max. atomization performance	4.8 l/24h	7.2 l/24h	7.2 l/24h	7.2 l/24h	7.2 l/24h
Water supply	3 l	4 l	4 l	5 l	5 l
Input voltage	220 - 240 V/ 50 - 60 Hz	100 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	100 - 240 V/ 50 - 60 Hz	100 - 240 V/ 50 - 60 Hz
Power input	24 W	24 W	25 W	25 W	24 W
Sound pressure level	38 dB(A)	38 dB(A)	37 dB(A)	35 dB(A)	38 dB(A)
Housing design	Plastic	Plastic	Plastic	Plastic	Plastic
Length 	160 mm	230 mm	285 mm	166 mm	195 mm
Width	301 mm	162 mm	175 mm	262 mm	195 mm
Height	278 mm	295 mm	290 mm	383 mm	385 mm
Weight	1.5 kg	1.5 kg	3 kg	3 kg	2 kg
Equipment and functions	B1E	B2E	B5E	B6E	B7E
Hygrostat-controlled automatic operation	–	■	■	■	■
Cold evaporation principle based on ultrasonic atomization	■	■	■	■	■
Selectable ioniser	–	–	■	■	–
Display of relative humidity	–	–	■	■	■
Integrated scented oil tank and diffuser for an optional room air aromatization	■	■	–	■	■
LED display	–	–	■	■	–
Control panel	–	–	Membrane keys	Touch	Touch
Atomization intensity	Infinitely variable	4-stage	3-stage	6-stage	3-stage
Carbon air filter	–	■	–	–	■
UV lamp	–	–	–	–	■
Timer function	–	–	■	■	■
Night mode	–	–	■	■	■
360° rotatable mist nozzle	–	–	■	■	–
Water filling level indicator	■	■	–	■	–
Water tank indication	■	■	■	■	■
On-demand LED lighting of the water tank	■	–	■	–	–
Warning signal to indicate a low water level	–	–	–	■	–
Automatic switch-off when water tank is empty	■	■	■	■	■
Accessories	B1E	B2E	B5E	B6E	B7E
SecoSan Stick 10	6.100.004.110	6.100.004.110	6.100.004.110	6.100.004.110	6.100.004.110
LiQVit hygiene agent 1000 ml	6.100.004.185	6.100.004.185	6.100.004.185	6.100.004.185	6.100.004.185
Descaler 1000 ml	6.100.004.199	6.100.004.199	6.100.004.199	6.100.004.199	6.100.004.199

SECOSAN STICK
10

LiQVit
Water Conserver by TROTEC
WATER TREATMENT

TROTEC
ENTKALKER
MIT FARBINDIKATOR

TROTEC
71%
AUTO
Mist
Light
Auto
Timer
Sleep
Humidity
Ionizer
On / Off

TROTEC
78
humidity
%RH
S
standard
power
Mode
Humidity
Timer
On / Off

Humidifiers for an agreeable room climate

B 24 E / B 25 E

- Evaporation humidifier
- Hygrostat-controlled room air humidification by natural cold evaporation
- High-quality and stable aluminium housing
- Integrated scented oil diffuser for an optional room air aromatization
- Effective 360-degree air distribution in the entire room
- Various operating modes plus ultra-silent night mode
- SecoSan® system for water pollution control already integrated
- Can be used with normal tap water – no distilled water required
- 4 fan stages
- Automatic switch-off
- Dimmable LEDs for individual light intensity control
- Low-maintenance and uncomplicated – easy disassembly and cleaning

B 400

- Evaporation humidifier
- Hygrostat-controlled room air humidification by natural cold evaporation
- Robust construction made of powder-coated steel sheet
- Neatly arranged control panel with hygrostat and fan control as well as status indication
- Revolving evaporation fleece cleans or washes the air
- Can be used with normal tap water – no distilled water required
- Filling neck with quick release for fast water refilling
- 2 fan stages
- Automatic switch-off
- Adjustable discharge grill
- Optimum air circulation by means of an integrated wall spacer

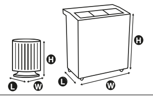
FRESH AIR WITH AN OPTIONAL FEEL-GOOD SCENT

The B 24 E/B 25 E is equipped with a separate scented oil tank for an optional aromatization of the room air. This way you can turn your home into a scented oasis of well-being for the senses. Scents have a direct influence on our well-being and can be of help in case of stress, bad mood or even sleep problem.

Since the scented oil is not emitted into the room via the water but separately by a diffuser, the evaporation filter of the B 24 E / B 25 E does not clog. All customary scented oils may be used – ideal for an individual and relaxing aroma therapy!

Humidifiers for an agreeable room climate

Overview:
Humidifiers

Technical data		**B 24 E / B 25 E**	**B 400**
Article number	Champagne	1.160.000.109	–
	White	1.160.000.110	1.160.000.400
Suitable for rooms sized up to		24 m² / 60 m³	360 m² / 900 m³
Max. humidification performance		8.4 l/24h	60 l/24h
Water supply		3 l	34 l
Input voltage		230 V/50 - 60 Hz	230 V/50 Hz
Supply voltage		12 V	–
Power input		6 W	53 W
Sound pressure level		23 dB(A) up to 58 dB(A)	29 dB(A) up to 42 dB(A)
Housing design		Plastic, Aluminium	Sheet steel
Length		248 mm	316 mm
Width		248 mm	625 mm
Height		305 mm	720 mm
Weight		2.5 kg	18.6 kg
Equipment and functions		B 24 E / B 25 E	B 400
Hygrostat-controlled automatic operation		■	■
Natural cold evaporation principle		■	■
Integrated scented oil tank and diffuser for an optional room air aromatization		■	–
Dimmable LED illumination		■	–
Filter change indicator		■	–
SecoSan system for water pollution control		■	■
Operating modes		5	–
Fan stages		4	2
Noiseless night operation in whisper mode		■	–
Adjustable air outlet grille		–	■
Warning signal to indicate a low water level		■	■
Automatic switch-off when water tank is empty		■	■
Accessories		B 24 E / B 25 E	B 400
Evaporation filter B 25 E		7.710.000.832	–
SecoSan Stick 10		6.100.004.110	–
LiQVit hygiene agent 1000 ml		6.100.004.185	6.100.004.185
Descaler 1000 ml		6.100.004.199	6.100.004.199
Automatic water supply for B 400		–	6.100.004.028
B 400 round filter		–	6.100.004.040
B 400 filter fleece		–	6.100.004.020
SecoSan Stick 30		–	6.100.004.125

Principle of cold evaporation: Honeycomb filter vs. revolving humidification drum

Evaporator (Honeycomb filter)

This technology adopts the natural principle of evaporation. The filter sucks the water, which greatly increases the special honeycomb structure of the filter. Thus, the evaporation filter naturally remains permanently moistened, which is why the mechanical wear parts are completely absent. The air is drawn through the moistened filter and recharges with moisture.

Humidification and air purification (revolving humidification drum)

The air is sucked in via a fan and passed through a rotary moistening drum, which is moved through a water bath, with an evaporation fleece. Due to the continuous rotation, the air is cleaned effectively and simultaneously charged with humidity, which is then again emitted to the room air evenly and without precipitation over two eligible fan stages.

SecoSan® – always the best water quality for refreshingly humidified room air

Moreover, the B 25 E is the only humidifier on the market that comes with exclusive additional equipment.

To keep the water reserve automatically as clean as on the first day, there is a holder for a SecoSan® Stick embedded in the bottom of the tank. The SecoSan® Stick helps to keep the water permanently clean, clear and free of biological growth or unpleasant odours.

The unique feature of SecoSan® is its antimicrobial surface with mobile silver ions, which inhibit bacteria and germs upon contact and thus prevent their reproduction.

Their advantage compared to conventional silver preparations: The entirely self-dosing SecoSan® ion reservoir not only keeps the water demonstrably free from germs, but also basically free from silver ions.

The supplied stick thus guarantees clean water for up to 6 months even if the water is changed or consumed daily.

Air washers for a healthy room climate

AW 10 S

- 3-in-1 combination device for odour elimination, air purification and humidification
- Sensor control for energy-saving automatic operation
- Reliably removes house dust, pollen and animal hair from the air and simultaneously keeps it ideally humidified
- Air washing without filter mats – low follow-up costs for maintenance and care
- Display of relative humidity
- Plasma generator for the elimination of odours and pollutants in the room air
- 3 different operating modes plus ultra-silent night modes
- Large water reservoir for long maintenance-free operations
- Only tap water required
- Variable fan control for need-based room adjustment

AW 20 S

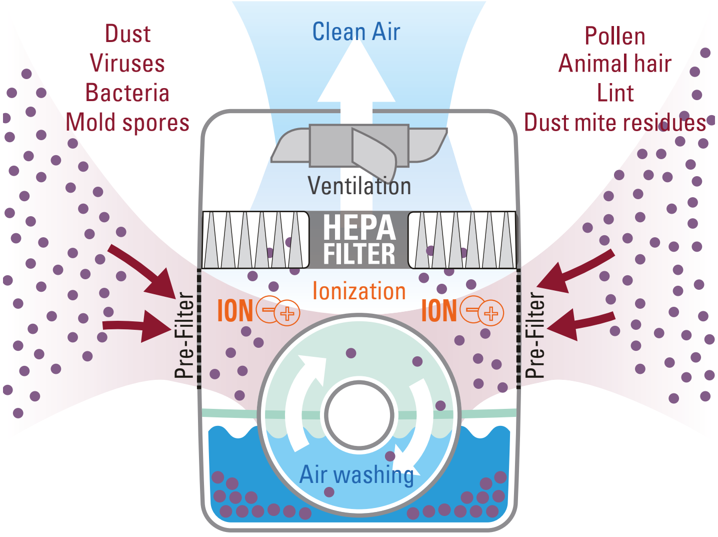
- 3-in-1 combination device for odour elimination, air purification and humidification
- Intelligent combined sensor for simultaneous measurement of air humidity and quality enables energy-saving automatic operation
- An exchangeable pre-filter frees the air reliably from coarse house dust or animal hair
- Separately selectable HEPA filter function filters fine particulates such as pollen, mite faeces, mould spores and fine dust
- Display of relative humidity
- Plasma generator for the elimination of odours and pollutants in the room air
- 9 different operating modes plus ultra-silent night mode
- 3-stage light signal indicates the air quality in the room (blue, yellow, red)
- Large water reservoir for long maintenance-free operations
- Only tap water required
- Variable fan control for need-based room adjustment

AIR PURIFICATION AND HUMIDIFICATION IN ONE DEVICE – EFFECTIVE FUNCTIONAL PRINCIPLE

The air washers of Trotec's AW-S series guide the sucked-in air past rotating humidifier disks, where it absorbs water molecules, while dirt particles such as pollen, animal hair and house dust cling to the disk and are bound in the water reservoir.

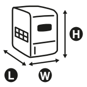
The water molecules are absorbed by self-regulating cold evaporation ensuring optimum humidity values.

Before emerging into the room the air is additionally ionised on a natural basis, whereby contaminants are neutralized and odours reduced. With the AW 20 S a HEPA filtration of the humidified air is effected optionally – depending on the selected operating mode.



Air washers for a healthy room climate

Overview:
Air washers

Technical data	AW 10 S	AW 20 S
Article number	1.160.000.010	1.160.000.020
Suitable for rooms sized up to	25 m² / 63 m³	55 m² / 138 m³
Max. humidification performance	400 ml/h	750 ml/h
Max. air volume	126 m³/h	228 m³/h
Water supply	9 l	9 l
Input voltage	230 V/50 - 60 Hz	230 V/50 - 60 Hz
Power input	11 W	24 W
Sound pressure level	≤ 32 dB(A)	≤ 47 dB(A)
Housing design	Plastic	Plastic
Length 	315 mm	410 mm
Width	310 mm	325 mm
Height	390 mm	420 mm
Weight	6 kg	10 kg
Equipment and functions	AW 10 S	AW 20 S
Display of relative humidity	■	■
Humidification function can be switched on or off separately	–	■
Binds pollen, animal hair and house dust	■	■
Prefilter (replaceable) for higher filter efficiency	–	■
99.97 % effective HEPA filtering of pollen, dust mite residue, mould fungus spores and other allergens	–	■
HEPA function can be switched on or off as needed	–	■
Reduces odours and electrostatic charges	■	■
Effective functional principle without limescale or wet spots	■	■
Sensor-controlled automatic operation	■	■
Combined air quality and humidity sensor for automatic control	–	■
Indication of the current air quality	–	■
Operating modes	3	9
Night mode (ultrasilent)	■	■
AirgoPro ion isolator for odour reduction / selectable	■ / ■	■ / ■
Water filling level indicator	■	■
Warning signal to indicate a low water level	■	■
Automatic switch-off when water tank is empty	■	■
Accessories	AW 10 S	AW 20 S
SecoSan Stick 10	6.100.004.110	6.100.004.110
LiQVit hygiene agent 1000 ml	6.100.004.185	6.100.004.185
Descaler 1000 ml	6.100.004.199	6.100.004.199
Pre-filter (set of 2)	–	7.710.000.831
HEPA filter (set of 2)	–	7.710.000.830

GOOD DESIGN. GOOD AIR.

With our compact air washers AW 10 S and AW 20 S you can bring healthy room air easily and conveniently right into your home.

Once commissioned, the air washers immediately generate perceptibly clean, pleasantly humidified air. Additionally, the room air is effectively cleaned and reliably freed from pollen, dust and animal hair – ideal for allergy sufferers. Moreover, both air washers reduce odours and electrostatic charges.

AW 10 S – extremely low-maintenance

The AW 10 S is a 3-in-1 combination device – it does not only humidify the air by means of self-regulating cold evaporation, it also washes the air and cleans it of animal hair, house dust and pollen. Before emerging into the room the air is additionally ionised on a natural basis, whereby contaminants are neutralized and odours reduced.

AW 20 S with combined sensor and HEPA filter – our best recommendation for a perfect room

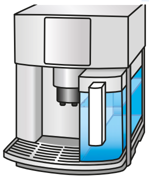
The air washer AW 20 S is perfectly equipped to ensure optimum room air quality at all times. In addition to the relative humidity, the intelligent combined sensor also permanently detects the particle burden of the room air and autonomously controls the automatic mode for perfectly humidified and cleaned air.

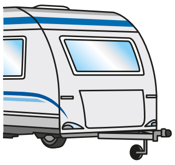
With the AW 20 S, even allergy sufferers can breathe a sigh of relief: thanks to effective HEPA filtration, the air is not only freed from house dust, pollen and animal hair – even the tiniest dirt particles consisting of fine particulates, allergens or mould spores are filtered out reliably.

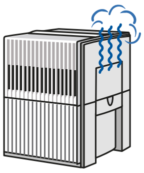
Restful sleep is also guaranteed: In night mode, the AW 20 S operates ultra-silently and reliably frees the room air of pollutants while maintaining an ideal humidity level thanks to the natural principle of self-regulating cold evaporation so that your skin, nose and eyes are protected against drying out and you can benefit from a good night's sleep.

Pure water thanks to silver ion technology

SECOSAN 30 STICK
SECOSAN 2 STICK
SECOSAN 1 STICK
SECOSAN 10 STICK







SecoSan

- Drinking water conservation "made in Germany" with unique operating principle
- Self-dosing and self-regulating system – over- or underdosing is impossible
- Six-month long-term protection against new microbial growth
- Reliably prevents microbial, algae, mould and bacterial growth (biofilm) in your potable and non-potable tap water
- Certified by leading German testing institutes
- International patent

MODERN WATER HYGIENE – FOR A HEALTHY, CONSCIOUS LIFESTYLE

Whether a coffee machine, water filter, dental water jet, pet bowl or tanks for camping, boat and caravan - at home and away. We use various drinking and water containers as a convenient way to always have fresh water for various applications easily and quickly accessed directly.

But is the water really fresh?

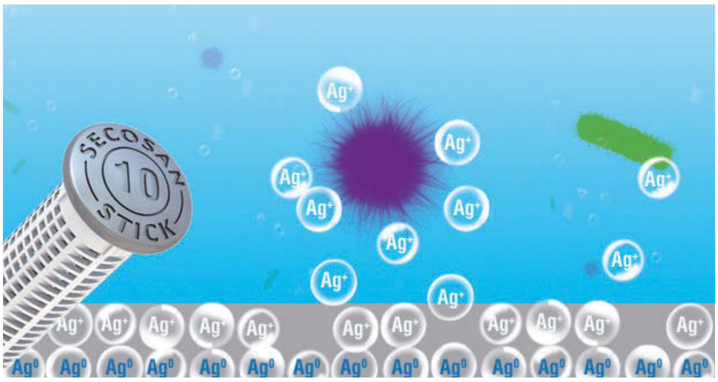
From the water supply to your home in any case. But if the water is then in pipes or containers, it can become contaminated after a short time. Here the SecoSan Stick provides you with a simple and secure way to conserve water: Just put it into the water tank - and done! The containers can be refilled without interim storage on a regular basis with fresh water.

The self-regulating SecoSan active compound maintains the pure water automatically, is absolutely tasteless and offers six months protection against contamination. The SecoSan Stick is suitable for the most diverse areas of application and is available in various sizes for keeping small to very large-volume water reservoirs obtained.

Powerful silver against bacteria

SecoSan works according to a very old and clever principle. Bacteria do not like silver. As an intelligent silver ion storage unit, the SecoSan stick always releases just as many silver ions into the water as are required to keep it free of bacteria and germs. Due to this independent dosing, SecoSan lasts significantly longer than normal silver products in tablet, powder or liquid form. Also, the silver concentration in the water is so low that it is not even measurable.

The silver ions in the SecoSan stick ensure pure, clean water. Neither chlorine nor any other chemical preservatives are used. This is why SecoSan is particularly suitable for drinking water. Leading German testing institutes have confirmed this. Thanks to its special surface, SecoSan can neither tarnish nor rust and hence clog the stick. In this way, the effect can also remain unrestricted for a long period of time and SecoSan hence ensures pure, clean water pleasure.



Pure water thanks to silver ion technology

Overview:
SecoSan Sticks for up to 30 litres

Technical data	SecoSan Stick 1	SecoSan Stick 2	SecoSan Stick 10	SecoSan Stick 20	SecoSan Stick 30
Article number	6.100.004.102	6.100.004.103	6.100.004.110	6.100.004.115	6.100.004.125
Active agent	Silver (Ag)	Silver (Ag)	Silver (Ag)	Silver (Ag)	Silver (Ag)
Operating temperature	Max. 70 °C	Max. 70 °C	Max. 70 °C	Max. 70 °C	Max. 70 °C
Max. tank size	0.7 l	2 l	10 l	20 l	30 l
Period of action	6 months	6 months	6 months	6 months	6 months
Exposure time	≥ 2 h	≥ 2 h	≥ 2 h	≥ 2 h	≥ 2 h
Pollution control capacity [1]	250 l [1]	700 l [1]	3,500 l [1]	7,000 l [1]	10,500 l [1]
Durability	At least 10 years	At least 10 years	At least 10 years	At least 10 years	At least 10 years
Length	25 mm, Ø 15 mm	25 mm, Ø 15 mm	50 mm, Ø 15 mm	50 mm, Ø 15 mm	150 mm, Ø 15 mm
Weight	0.001 kg	0.001 kg	0.003 kg	0.004 kg	0.005 kg

[1] When emptying the tank twice a day

145,9 mm

SECOSAN
2
STICK

Trotec
Dehumidification
Humidification
SecoSan
Air cleaning
Heating
Air conditioning
Air cooling
Ventilation
Cleaning
Accessories

AIRGOCLEAN® AIR CLEANERS

FOR A BETTER AIR QUALITY

HEPA
FILTER

AirgoClean®
10 E

AirgoClean®
11 E

AirgoClean®
15 E

AirgoClean®
100 E

AirgoClean®
110 E

AirgoClean®
140 E

AirgoClean®
145 E

AirgoClean®
150 E

Fine dust – an invisible danger for the lung, heart and vessels, more dangerous and more widespread than previously assumed

Fine dust is on everyone's lips and that in the truest sense of the word. Scientific institutions demand additional efforts from environmental and health policy makers to further reduce the air pollution with particulate matter. They say that the sources of particulate matter are more diverse and the resulting damage to health more serious than previously assumed.

Fine dust favours the development of serious diseases

Fine dust particles, also known as particulate matter, are respirable particles with a diameter of less than 2.5 µm. The smaller these fine particles are, the deeper they can penetrate the body and organ systems. Particulate matter can cause inflammation in the bronchi and lungs, and slow down children's lung growth. Other consequences of particulate matter include heart attacks, strokes and accelerated arteriosclerosis. Inflammatory processes have also been observed in the brain and have been linked to a faster development of dementia in older people as well as delayed intelligence development in children. In addition to inflammatory reactions, fine dust can also cause damage to the cardiovascular system in other ways.

AirgoClean®
170 E

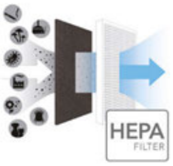
AirgoClean®
200 E

AirgoClean®
250 E

AirgoClean®
350 E

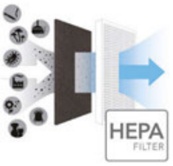
AirgoClean®
One

Comfort air cleaners for fresher and better breathing air



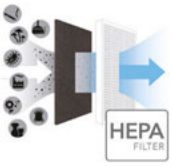
AirgoClean® 10 E

- Two-stage room air filter system with pre-filter and HEPA filter
- Suited for the fully automatic air purification of rooms sized up to 40 m³
- Purification volume max. 135 m³/h
- 3 Fan stages
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Can be positioned on the floor thanks to its feet
- Low energy consumption



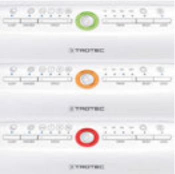
AirgoClean® 11 E

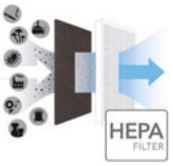
- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Effective HEPA carbon filtering of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 38 m³
- Purification volume max. 120 m³/h
- Automatic mode
- Air quality display
- 3 Fan stages
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Timer function
- Low noise level: max. 43 dB(A)
- Low energy consumption



AirgoClean® 15 E

- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Suited for the fully automatic air purification of rooms sized up to 53 m³
- Purification volume max. 180 m³/h
- 3 fan stages
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Low noise level: max. 45 dB(A)
- Integrated carrying handle
- Low energy consumption

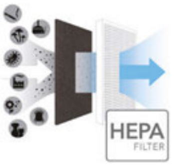




AirgoClean® 100 E

- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Effective HEPA filtering of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 53 m³
- Purification volume max. 180 m³/h
- Automatic mode
- Air quality display
- 3 Fan stages
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Indicator light for filter
- Timer function
- Night mode (ultra-silent)
- IR remote control
- Low noise level: max. 49 dB(A)
- Low energy consumption

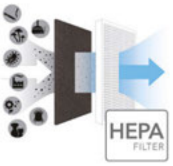
Comfort air cleaners for fresher and better breathing air



AirgoClean® 110 E

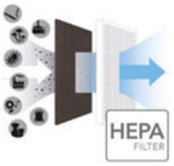
- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Effective HEPA carbon filtering of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 63 m³
- Purification volume max. 205 m³/h
- Automatic mode
- Air quality display
- 4 fan stages with turbo mode
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Indicator light for filter
- Timer function
- Child lock
- Night mode (ultra-silent)
- Low energy consumption

NEW



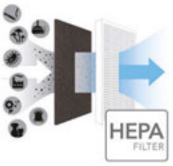
AirgoClean® 140 E / 145 E

- Three-stage room air filter system with prefilter, activated carbon filter and HEPA filter
- Effective HEPA carbon filtration of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 100 m³
- Max. purification volume 330 m³/h
- Automatic mode / night mode (ultra-silent)
- Air quality indicator incl. temperature and humidity indication
- 3 fan stages with turbo mode
- Improved air cleaning thanks to ionizer
- UV lamp additionally protects against the formation of germs for even more hygienic cleaning
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- IR remote control
- Timer function
- Indicator light for filter
- Child lock
- Low-noise level: max. 50 dB(A)
- Low energy consumption
- **Can be used as wall-mounted or floor-standing device**



AirgoClean® 150 E

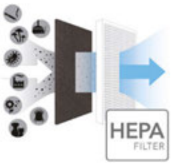
- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Effective HEPA carbon filtering of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 105 m³
- Purification volume max. 355 m³/h
- Automatic mode
- Air quality display
- 4 fan stages with turbo mode
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Indicator light for filter
- Timer function
- Child lock
- Night mode (ultra-silent)
- Low-noise level: max. 52 dB(A)
- Low energy consumption



AirgoClean® 170 E

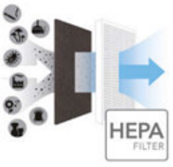
- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Effective HEPA carbon filtering of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 105 m³
- Purification volume max. 350 m³/h
- Automatic mode
- Air quality display
- 5 fan stages with turbo mode
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Indicator light for filter
- Night mode (ultra-silent)
- Low-noise level: max. 50 dB(A)
- Low energy consumption

Comfort air cleaners for fresher and better breathing air



AirgoClean® 200 E

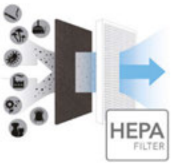
- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Effective HEPA carbon filtering of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 165 m³
- Purification volume max. 550 m³/h
- Automatic mode
- Air quality display
- 4 fan stages turbo mode
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Indicator light for filter
- Timer function
- Child lock
- Night mode (ultra-silent)
- Low energy consumption



AirgoClean® 250 E

- Three-stage room air filter system with prefilter, carbon filter and HEPA filter
- Effective HEPA carbon filtering of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 220 m³
- Purification volume max. 740 m³/h
- Automatic mode
- Air quality display
- 4 fan stages with turbo mode
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- Indicator light for filter
- Child lock
- Night mode (ultra-silent)
- Low-noise level: max. 46.3 dB(A)
- Low energy consumption

NEW



AirgoClean® 350 E

- Three-stage room air filter system with prefilter, activated carbon filter and HEPA filter
- Effective HEPA carbon filtration of pollutants and odours
- Suited for the fully automatic air purification of rooms sized up to 300 m³
- Max. purification volume 1,000 m³/h
- Automatic mode / night mode (ultra-silent)
- Air quality indicator incl. temperature and humidity indication
- 4 fan stages with turbo mode
- Improved air cleaning thanks to ionizer
- Compactness and high performance combined with simple operation
- Uncomplicated, quick filter change
- IR remote control
- Timer function
- Indicator light for filter
- Child lock
- Low energy consumption

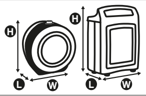
H14 HEPA FILTER

AirgoClean® One

- Four-stage room air filter system with coarse filter, activated carbon filter and HEPA filter
- Multi-stage HEPA filter system certified according to EN 1822
- Highly efficient room air purification – removes 99.995 % of all airborne viruses, bacteria, fine dust particles and pollen
- Proven to reduce the aerosol concentration of the room air – scientifically tested
- Suited for the fully automatic air purification of rooms sized up to 195 m³
- Purification volume max. 600 m³/h
- Automatic output control through sensor-supported air quality monitoring
- 6 Fan stages with turbo mode
- Omnidirectional clean air distribution with 360° working radius
- Uncomplicated, quick filter change
- Elegant design with effective airflow – air intake close to the floor, room-filling clean air flow

Comfort air cleaners for fresher and better breathing air

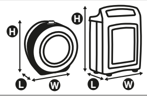
Overview:
Comfort air cleaners

Technical data		**AirgoClean® 10 E**	**AirgoClean® 11 E**	**AirgoClean® 15 E**	**AirgoClean® 100 E**	**AirgoClean® 110 E**	**AirgoClean® 140 E / 145 E**
Article number	White	1.580.001.010	–	1.580.001.013	1.580.001.020	1.580.001.025	1.580.001.031
	Black	–	1.580.001.011	–	–	–	1.580.001.032
Suitable for rooms sized up to		16 m² /40 m³	15 m² /38 m³	21 m² /53 m³	21 m² /53 m³	25 m² /63 m³	40 m² / 100 m³
Filter efficiency		95.0%	99.97%	95.0%	95.0%	99.97%	99.97%
Pre-filter		Synthetic fibre	Synthetic fibre	Synthetic fibre	Synthetic fibre	Synthetic fibre	Synthetic fibre
HEPA filter		HEPA filter	HEPA carbon filter	HEPA filter	HEPA filter	HEPA carbon filter	HEPA carbon filter
Air flow rate	min.	55 m³/h	42 m³/h	100 m³/h	70 m³/h	54 m³/h	130 m³/h
	max.	135 m³/h	120 m³/h	180 m³/h	180 m³/h	205 m³/h	330 m³/h
Input voltage		230 V/ 50 Hz	100 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz
Power input		45 W	11 W	45 W	45 W	22 W	85 W
Electric connection	Plug type	CEE 7/17	CEE 7/16	CEE 7/17	CEE 7/17	CEE 7/16	CEE 7/17
	Cable length	1.9 m	1.5 m	1.75 m	1.8 m	1.8 m	1.8 m
Sound level (distance 1 m)	min.	41 dB(A)	25 dB(A)	34 dB(A)	38 dB(A)	31 dB(A)	34 dB(A)
	max.	54 dB(A)	43 dB(A)	45 dB(A)	49 dB(A)	56 dB(A)	50 dB(A)
Length		183 mm	240 mm	210 mm	321 mm	194 mm	176 mm
Width		272 mm	240 mm	290 mm	210 mm	358 mm	600 mm
Height		296 mm	335 mm	620 mm	523 mm	505 mm	404 mm
Weight		2.5 kg	2 kg	3.5 kg	5 kg	5 kg	8.5 kg
Equipment and functions		AirgoClean® 10 E	AirgoClean® 11 E	AirgoClean® 15 E	AirgoClean® 100 E	AirgoClean® 110 E	140 E / 145 E
Fan stages		3	3	3	3	4	3
Turbo mode		–	–	–	–	■	■
Digital display		–	■	–	–	–	■
Ionizer		■	■	■	■	■	■
Filter change indication		–	■	–	–	■	■
Air quality sensor (VOC)		–	–	–	■	–	–
Dust sensor		–	■	–	■	■	■
Air quality display		–	■	–	■	■	■
Automatic operation		–	■	–	■	■	■
Light detection function		–	–	–	–	■	■
UV lamp							
Timer function		–	1h/2h/4h/8h	–	1 - 12 h	1h/2h/4h/8h	1 - 24 h
Night mode		–	–	–	■	■	■
Plasma generator		–	–	–	–	–	–
Memory function		–	–	–	–	■	–
Child lock		–	–	–	■	■	■
Infrared remote control		–	–	–	■	–	■
Accessories		AirgoClean® 10 E	AirgoClean® 11 E	AirgoClean® 15 E	AirgoClean® 100 E	AirgoClean® 110 E	140 E / 145 E
Carbon filter		–	■ *	–	7.160.000.521	■ *	–
HEPA carbon filter		–	–	7.160.000.516 *	–	–	7.160.000.527
HEPA carbon filter (99.97%)		–	–	7.160.000.518 *	–	–	7.160.000.529
HEPA filter		7.160.000.510 *	–	7.160.000.515 *	7.160.000.522	–	7.160.000.526
HEPA filter (99.97%)		–	7.160.000.511 *	7.160.000.517 *	7.160.000.524	7.160.000.523 *	7.160.000.528
HEPA filter H14 (EN 1822)		–	–	–	–	–	–
Air filter		■ *	■ *	■ *	7.160.000.520	■ *	–
Silencer		–	–	–	–	–	–
Pre-filter F7		–	–	–	–	–	–
Pre-filter Mat		–	–	–	–	–	–

* already integrated in the combination filter.

Comfort air cleaners for fresher and better breathing air

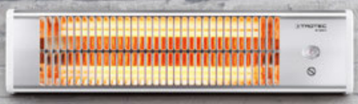
Overview:
Comfort air cleaners

Technical data		**AirgoClean® 150 E**	**AirgoClean® 170 E**	**AirgoClean® 200 E**	**AirgoClean® 250 E**	**AirgoClean® 350 E**	**AirgoClean® One**
Article number	White	1.580.001.035	1.580.001.039	1.580.001.045	1.580.001.050	1.580.001.055	1.580.001.100
	Black	–	–	–	–	–	–
Suitable for rooms sized up to		42 m² /105 m³	42 m² /105 m³	66 m² /165 m³	88 m² /220 m³	120 m² / 300 m³	78 m² / 195 m³
Filter efficiency		99.97%	99.70%	99.97%	99.97%	99.97%	99.995%
Pre-filter		Synthetic fibre	Synthetic fibre	Synthetic fibre	Synthetic fibre	Synthetic fibre	Synthetic fibre
HEPA filter		HEPA carbon filter	HEPA carbon filter	HEPA carbon filter	HEPA carbon filter	HEPA carbon filter	HEPA-H14 EN 1822
Air flow rate	min.	149 m³/h	123 m³/h	179 m³/h	384 m³/h	260 m³/h	45 m³/h
	max.	355 m³/h	350 m³/h	550 m³/h	740 m³/h	1,000 m³/h	600 m³/h
Input voltage		220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz	230 V/50 Hz
Power input		32 W	25 W	38 W	45 W	105 W	170 W
Electric connection	Plug type	CEE 7/16	CEE 7/16	CEE 7/17	CEE 7/17	CEE 7/17	CEE 7/7
	Cable length	1.8 m	1.25 m	1.8 m	1.8 m	1.7 m	1.4 m
Sound level (distance 1 m)	min.	29 dB(A)	20 dB(A)	31 dB(A)	16.8 dB(A)	18.8 dB(A)	11 dB(A)
	max.	52 dB(A)	50 dB(A)	54 dB(A)	46.3 dB(A)	55.2 dB(A)	57 dB(A)
Length		247 mm	292 mm	310 mm	360 mm	390 mm	435 mm
Width		387 mm	292 mm	310 mm	360 mm	405 mm	400 mm
Height		571 mm	663 mm	680 mm	710 mm	795 mm	835 mm
Weight		7 kg	6.5 kg	10.5 kg	12 kg	14 kg	17 kg
Equipment and functions		AirgoClean® 150 E	AirgoClean® 170 E	AirgoClean® 200 E	AirgoClean® 250 E	AirgoClean® 350 E	AirgoClean® One
Fan stages		4	5	4	4	4	6
Turbo mode		■	■	■	■	■	■
Digital display		–	■	■	■	■	■
Ionizer		■	–	■	■	■	–
Filter change indication		■	■	■	■	■	■
Air quality sensor (VOC)		–	–	■	■	–	■
Dust sensor		■	■	■	■	■	■
Air quality display		■	■	■	■	■	■
Automatic operation		■	■	■	■	■	■
Light detection function		■	–	■	■	■	–
UV lamp						–	
Timer function		1h/2h/4h/8h	–	12h/24/48h/72h	–	1 - 24 h	Start/stop timer, weekly schedule
Night mode		■	■	■	■	■	■
Plasma generator		–	–	–	■	–	–
Memory function		■	■	■	–	–	■
Child lock		■	–	■	■	■	■
Infrared remote control		–	–	–	–	■	■
Accessories		AirgoClean® 150 E	AirgoClean® 170 E	AirgoClean® 200 E	AirgoClean® 250 E	AirgoClean® 350 E	AirgoClean® One
Carbon filter		■ *	–	–	–	–	7.710.000.012
HEPA carbon filter		–	7.160.000.530	–	–	–	–
HEPA carbon filter (99.97%)		7.160.000.525 *	–	7.160.000.534	7.160.000.539	7.160.000.546	–
HEPA filter		–	–	–	–	–	–
HEPA filter (99.97%)		–	–	–	–	7.160.000.545	7.710.000.015
HEPA filter H14 (EN 1822)		–	–	–	–	–	7.710.000.013
Air filter		■ *	–	7.160.000.533	7.160.000.538	–	–
Silencer		–	–	–	–	–	7.710.000.017
Pre-filter F7		–	–	–	–	–	7.710.000.011
Pre-filter Mat		–	–	–	–	–	7.700.000.005

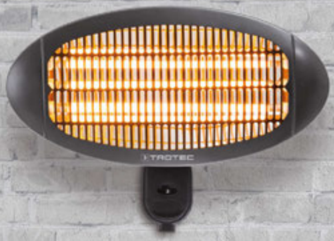
* already integrated in the combination filter.

INFRARED RADIANT HEATERS OF THE IR-S SERIES / IR SERIES

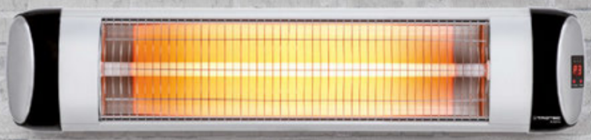
SELECTIVE HEATING AND NO WARM-UP TIME REQUIRED



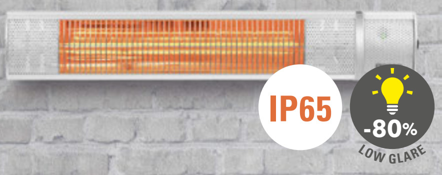
IR 1200 S



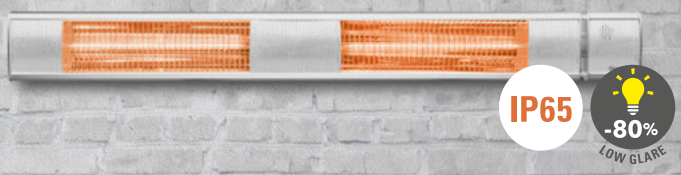
IR 2000 S



IR 2750 S


IP65
-80%
LOW GLARE

IR 2050

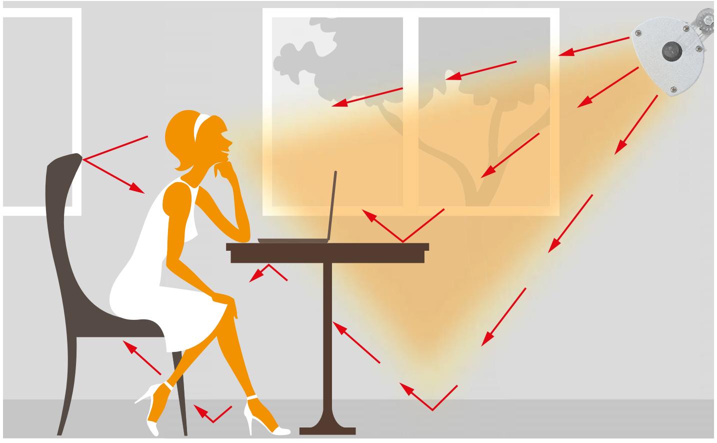

IP65
-80%
LOW GLARE

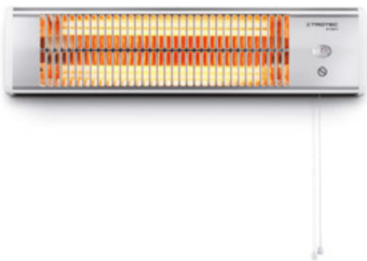
IR 3050

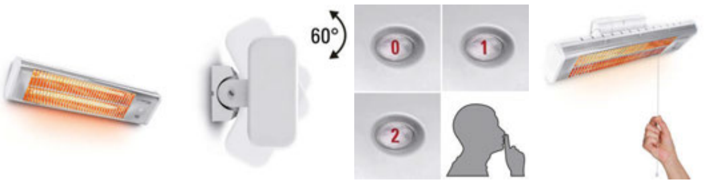
Radiant heaters with a heating capacity **up to 3,000 W**

EFFICIENT SELECTIVE HEATING AND NO WARM-UP TIME REQUIRED

Following the natural principle of the sun the modern radiant heaters of the IR series / IR-S series produce direct warmth via infrared radiation. Seeing as these radiant heaters convert a great deal of the energy input into direct heat, they are particularly energy-efficient as compared to say hot air blowers. The desired heat is produced selectively and without the need for preheating – a clean way of heating without causing noises, smells or dust circulation, hence also suitable for allergy sufferers.The radiant heater provides cosy warmth right after switch-on. IR radiators heat up their immediate surroundings quickly and economically which makes them the ideal heating solution for the time between seasons or else as standby heating solution: possible application areas include the bathroom, spa areas, baby changing tables, workbenches, hobby rooms in the basement, conservatories, roofed over terraces, marquees or halls, underneath parasols or awnings, in the catering sector and so on.

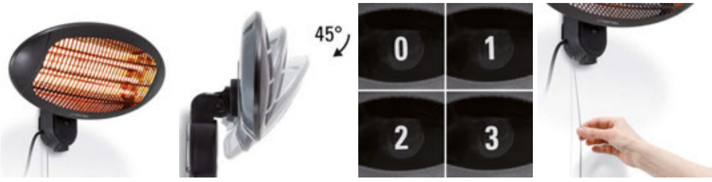






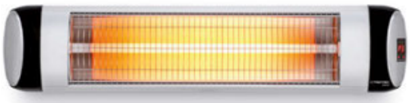
IR 1200 S

- Infrared heat without preheating
- 2 heating levels, up to 1,200 watts
- 2 quartz elements
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash-proof, protection type IP24
- Adjustable inclination angle with a wide effective range
- Suitable for wall mounting
- Integrated suspension device
- Energy-efficient



IR 2000 S

- Infrared heat without preheating
- 3 heating levels, up to 2,000 watts
- 3 quartz elements
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash-proof, protection type IP34
- Adjustable inclination angle with a wide effective range
- Suitable for wall mounting
- Integrated suspension device
- Energy-efficient

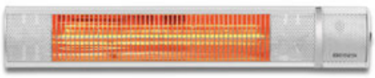


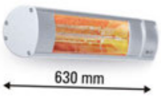
900 mm
90°
P3
Level
Timer

IR 2570 S

- Infrared heat without preheating
- 3 heating levels, up to 2,500 watts
- 1 quartz element
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- 24-hour timer
- LED display
- Robust aluminum housing
- Adjustable inclination angle with a wide effective range
- For mounting on walls and ceilings or on the telescopic tripod
- Integrated suspension device
- IR remote control
- Energy-efficient

Radiant heater with **IP65** type of protection





750W
1500W
2000W
TROTEC

IR 2050

- Infrared heat without preheating
- 3 heating levels, up to 2,000 watts
- High-quality low-glare short-wave infrared tube – approx. 6,000 operating hours with a light reduction of 80 %
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- IP65 type of protection – water-jet-proof professional device, rainproof from all directions
- Adjustable inclination angle with a wide effective range
- Can be used in open outdoor areas
- IR remote control
- Suitable for wall mounting
- Energy-efficient

1000W
2000W
3000W
TROTEC

IR 3050

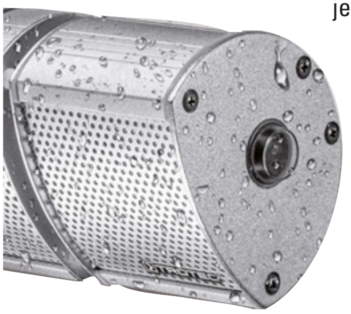
- Infrared heat without preheating
- 3 heating levels, up to 3,000 watts
- 2 high-quality low-glare short-wave infrared tube – approx. 6,000 operating hours with a light reduction of 80 %
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- IP65 type of protection – water-jet-proof professional device, rainproof from all directions
- Adjustable inclination angle
- Can be used in open outdoor areas
- IR remote control
- Suitable for wall mounting
- Energy-efficient

IP65 TYPE OF PROTECTION

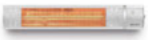
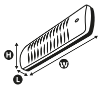
IP65 type of protectionInfrared radiant heaters are available in many different versions for indoor and outdoor use. An important criterion for device selection is whether or not your radiant heater may be exposed to water or plenty of dust at its site of assembly or installation. If an infrared radiant heater is mounted in the bathroom, for instance, it operates at high humidity levels.

Moreover, depending on the site of installation, water jets may reach the housing in some way or other. An infrared radiant heater installed on your terrace should be able to withstand occasional downpours. Heaters used in the workshop, however, should be protected against dust to a certain extent.

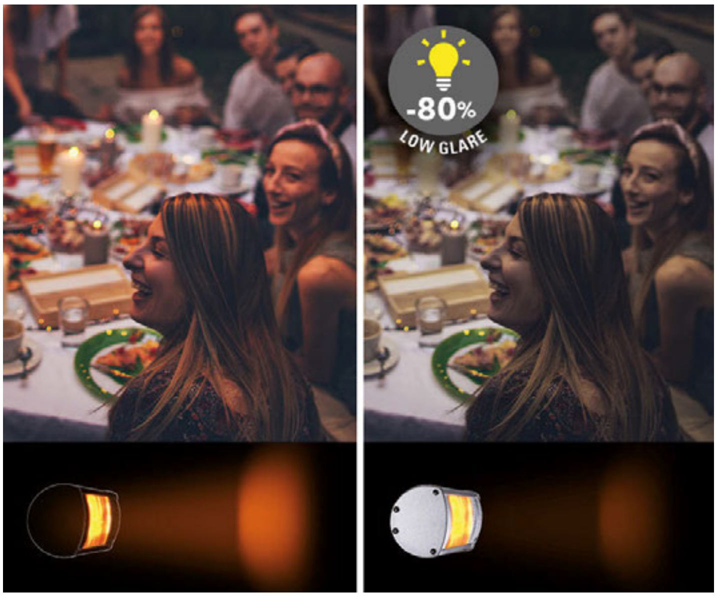
The IP65 type of protection promises that dust cannot enter the housing and that the radiant heater will withstand water jets from all sides. The robust design is suitable for both installation on balconies or terraces and use during winter sports events. Owing to their dust protection these radiant heaters can also be used in industrial buildings with high dust concentrations.



Radiant heaters with a heating capacity **up to 3,000 W**

Overview: **Radiant heaters of the IR-S / IR series with a heating capacity of up to 3,000 W**						
Technical data		**IR 1200 S**	**IR 2000 S**	**IR 2570 S**	**IR 2050**	**IR 3050**
Article number		1.410.003.100	1.410.003.110	1.410.003.121	1.410.003.211	1.410.003.221
Heating capacity	Stage 1	600 W	650 W	850 W	750 W	1,000 W
	Stage 2	1,200 W	1,300 W	1,650 W	1,500 W	2,000 W
	Stage 3	–	2,000 W	2,500 W	2,000 W	3,000 W
Heating element		Quartz	Quartz	Quartz	Low Glare	Low Glare
Input voltage		220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz
Nominal current consumption		5.2 A	8.7 A	10.9 A	8.7 A	13 A
IP type of protection		IP24	IP34	IP20	IP65	IP65
Electric connection	Plug type	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7
	Cable length	1.2 m	1.8 m	1.8 m	1.7 m	1.7 m
Length		113 mm	160 mm	90 mm	165 mm	165 mm
Width		538 mm	500 mm	870 mm	630 mm	960 mm
Height		135 mm	370 mm	190 mm	105 mm	105 mm
Weight		1.5 kg	1.5 kg	3 kg	2 kg	3 kg
Equipment and functions		IR 1200 S	IR 2000 S	IR 2570 S	IR 2050	IR 3050
Heating levels		2	3	3	3	3
Steplessly adjustable thermostat		–	–	–	–	–
Adjustable multi-stage thermostat		–	–	–	–	–
Operating control lamp		–	–	■	■	■
Automatic switch-off upon reaching the set value		–	–	–	–	–
Adjustable inclination angle		60°	45°	90°	90°	60°
Timer function		–	–	■	–	–
LED display		–	–	–	–	–
Infrared remote control		–	–	■	■	■
Wall mounting / Ceiling mounting / Tripod		■ / – / –	■ / – / □	■ / – / ■	■ / – / –	■ / – / –
Accessories		IR 1200 S	IR 2000 S	IR 2570 S	IR 2050	IR 3050
Telescopic tripod		–	–	1.410.003.190		

■ = Standard equipment - □ = Optional accessories



LOW-GLARE SHORT-WAVE TECHNOLOGY 100 % WARMTH WITH 80 % LIGHT REDUCTION!

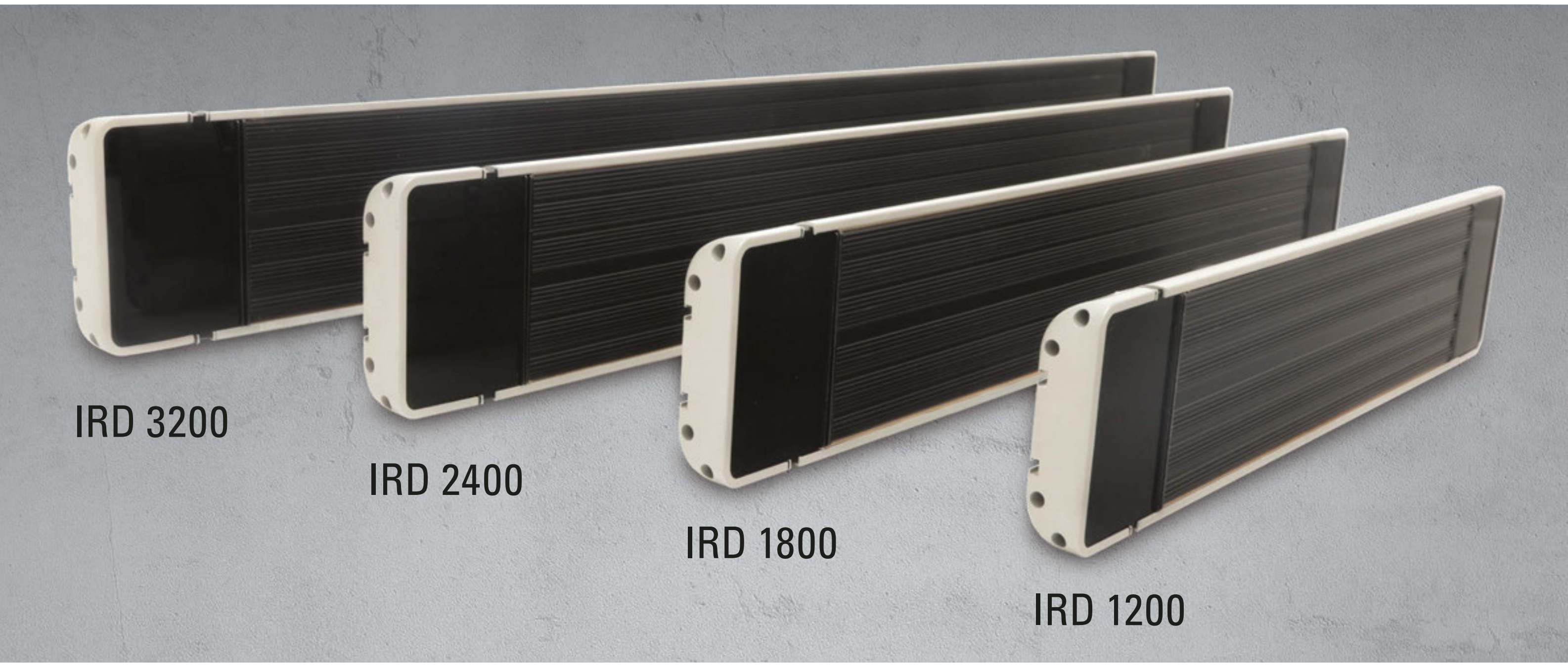
Enjoy the soothing warmth in a pleasant candle-light atmosphere with reduced light emission. The weatherproof low-glare radiant heaters can heat outdoor areas for private or commercial purposes with a high level of efficiency and cost-effectiveness. In doing so they hardly influence the existing lighting concept.

Low-glare shortwaves produce a larger portion of infrared light in the invisible range. The infrared radiation is further collimated by an innovative coating procedure that reduces the scattering loss. Thanks to this technology Trotec radiant heaters achieve a light reduction of up to 80 % whilst lasting up to 6,000 operating hours. The distracting red light is substantially reduced. Therefore, low-glare radiant heaters are the perfect choice for those who prefer the dark. Benefit from our new innovative low-glare short-wave technology and indulge in the cosy warmth without being exposed to the disturbing light.

INFRARED RADIANT HEATERS OF THE IRD SERIES

CONTEMPORARY HEATING WITHOUT THE BYPRODUCT OF LIGHT

Direct heat
supplied in style


IRD 3200
IRD 2400
IRD 1800
IRD 1200

CHARACTERISTICS OF AN INFRARED RADIANT HEATER

Infrared radiant heaters are ideally suited for use in outdoor areas that are sheltered from the wind such as balconies and terraces. As such, they can be applied in the catering trade but also in interior spaces, e.g. in indoor swimming pools, marquees, conservatories or rooms that are only used sporadically. During operation the devices emit no visible light portion.

Where other devices are fitted with a tube, infrared radiant heaters come equipped with a stainless steel heating coil enclosed in aluminium. Most of the radiation energy emitted lies in the long-wave infrared spectrum. Infrared radiant heaters are the preferred heating method, when it is better to avoid the emission of light. Since no illuminants have to be replaced, infrared radiant heaters do not require maintenance.

INCONSPICUOUS YET ELEGANT

The infrared radiant heaters of the IRD series attain perfection in terms of both technology and design. Due to innovative infrared technology and anodized aluminium the individual models are perfectly suited for use in the catering trade or in a sophisticated private ambience. With their unobtrusive, low-key and yet sophisticated design the infrared radiant heaters fit in seamlessly with almost any environment and style.

The devices' distinguishing design feature is their marked unpretentious, minimalistic elegance. The elongated shape is both smart and simple, consequently the radiant heater can be mounted to either wall or ceiling without attracting unseemly attention. This is for the most part ensured by the black surface and aluminium-coloured side panels of the radiant heater. The surfaces are done entirely in matt black and aluminium grey.

The advantages:

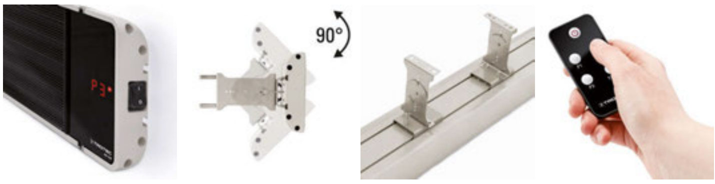
- Their inconspicuous, elegant design renders infrared radiant heaters virtually invisible
- High-quality materials are combined with excellent workmanship to produce such an appealing solution for architecturally sophisticated interior spaces and wind-protected outdoor areas
- No disturbing noises or distracting red light
- Universally applicable (suitable for outdoor installation: on terraces, balconies and roofed outdoor areas)
- Considerable cost reduction due to zero maintenance seeing as no illuminant needs to be replaced

IP55 TYPE OF PROTECTION

Infrared radiant heaters are available in many different versions for indoor and outdoor use. An important criterion for device selection is whether or not your radiant heater may be exposed to water or plenty of dust at its site of assembly or installation. If an infrared radiant heater is mounted in the bathroom, for instance, it operates at high humidity levels. Moreover, depending on the site of installation, water jets may reach the housing in some way or other. An infrared radiant heater installed on your terrace should be able to withstand occasional downpours. Heaters used in the workshop, however, should be protected against dust to a certain extent.

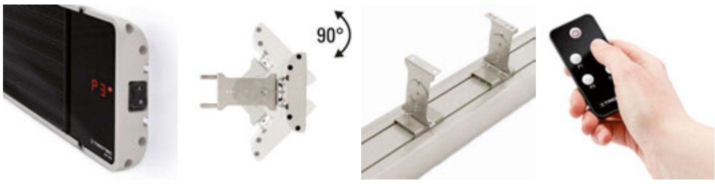
The IP55 type of protection promises that dust cannot settle within the housing and that the radiant heater can withstand water jets from all sides. The robust design permits both the installation on balconies or terraces and the use at winter sports events. Owing to their dust protection these radiant heaters can also be used in industrial buildings.

Infrared radiant heaters with a heating capacity of **up to 3,200 W**



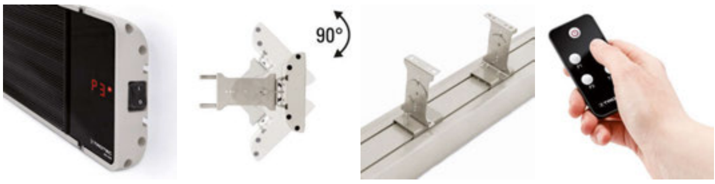
IRD 1200

- Appealing solution for architecturally sophisticated interior spaces and wind-protected outdoor areas
- 3 heating levels, up to 1,200 watts
- IR-B and IR-C provide cosy warmth without light emission
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash- and water-jet-proof, protection type IP55
- Aluminium design housing
- 24-hour timer
- LED display
- Adjustable inclination angle with a wide effective range
- Suitable for mounting on walls and ceilings
- Infrared remote control
- Wall and ceiling holder included



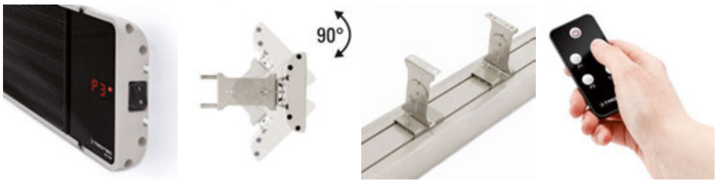
IRD 1800

- Appealing solution for architecturally sophisticated interior spaces and wind-protected outdoor areas
- 3 heating levels, up to 1,800 watts
- IR-B and IR-C provide cosy warmth without light emission
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash- and water-jet-proof, protection type IP55
- Aluminium design housing
- 24-hour timer
- LED display
- Adjustable inclination angle with a wide effective range
- Suitable for mounting on walls and ceilings
- Infrared remote control
- Wall and ceiling holder included



IRD 2400

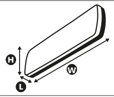
- Appealing solution for architecturally sophisticated interior spaces and wind-protected outdoor areas
- 3 heating levels, up to 1,400 watts
- IR-B and IR-C provide cosy warmth without light emission
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash- and water-jet-proof, protection type IP55
- Aluminium design housing
- 24-hour timer
- LED display
- Adjustable inclination angle with a wide effective range
- Suitable for mounting on walls and ceilings
- Infrared remote control
- Wall and ceiling holder included



IRD 3200

- Appealing solution for architecturally sophisticated interior spaces and wind-protected outdoor areas
- 3 heating levels, up to 3,200 watts
- IR-B and IR-C provide cosy warmth without light emission
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash- and water-jet-proof, protection type IP55
- Aluminium design housing
- 24-hour timer
- LED display
- Adjustable inclination angle with a wide effective range
- Suitable for mounting on walls and ceilings
- Infrared remote control
- Wall and ceiling holder included

Infrared radiant heaters with a heating capacity of **up to 3,200 W**

Overview: **Infrared radiant heaters of the IRD series with a heating capacity of up to 3,200 W**					
Technical data		**IRD 1200**	**IRD 1800**	**IRD 2400**	**IRD 3200**
Article number		1.410.003.310	1.410.003.320	1.410.003.330	1.410.003.340
Heating capacity	Stage 1	400 W	600 W	800 W	1,070 W
	Stage 2	800 W	1,200 W	1,600 W	2,140 W
	Stage 3	1,200 W	1,800 W	2,400 W	3,200 W
Heating element		Stainless steel heating element	Stainless steel heating element	Stainless steel heating element	Stainless steel heating element
Input voltage		220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz
Nominal current consumption		5.2 A	7.8 A	10.4 A	13.9 A
IP type of protection		IP55	IP55	IP55	IP55
Electric connection	Plug type	CEE 7/4	CEE 7/4	CEE 7/4	CEE 7/4
	Cable length	1.8 m	1.8 m	1.8 m	1.8 m
Length		55 mm	55 mm	55 mm	55 mm
Width		930 mm	1,195 mm	1,460 mm	1,815 mm
Height		200 mm	200 mm	200 mm	200 mm
Weight		8 kg	9.5 kg	11.5 kg	13.5 kg
Equipment and functions		IRD 1200	IRD 1800	IRD 2400	IRD 3200
Heating levels		3	3	3	3
Steplessly adjustable thermostat		–	–	–	–
Operating control lamp		■	■	■	■
Automatic switch-off upon reaching the set value		–	–	–	–
Adjustable inclination angle		90°	90°	90°	90°
Timer function		■	■	■	■
LED display		■	■	■	■
Infrared remote control		■	■	■	■
Wall mounting / ceiling mounting / tripod		■ / ■ / –	■ / ■ / –	■ / ■ / –	■ / ■ / –

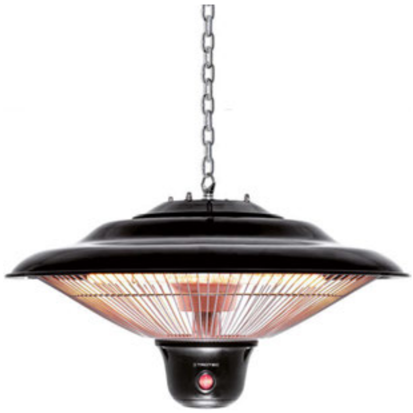
PRODUCT-VIDEO

Feel-good warmth for outdoor areas sheltered from the wind

Find out more about the infrared radiant heaters **IRD 1200 / IRD 1800 / IRD 2400 / IRD 3200** in our product video.

VIDEO
IRD 1200
IRD 1800
IRD 2400
IRD 3200

Design radiant ceiling heater with a heating capacity **up to 2,000 W**

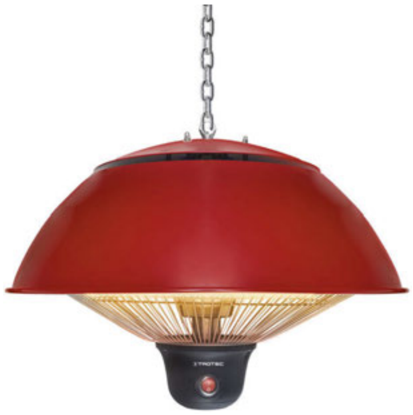


TROTEC
500W
1000W
1500W
TROTEC

IR 1500 SC

- Infrared heat without preheating
- 3 heating levels, up to 1,500 watts
- High-quality carbon infrared tube
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- IR remote control
- Splash-proof, protection type IP34
- Operating control lamp
- Energy-efficient

NEW

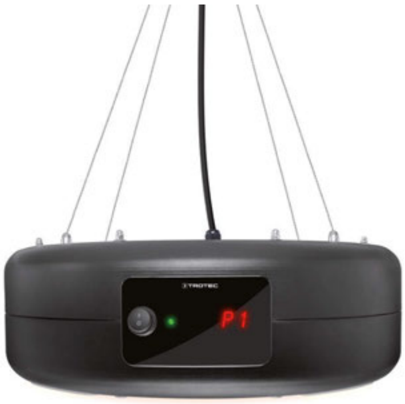


TROTEC
P1
P2
P3
TROTEC

IR 1510 SC

- Infrared heat without preheating
- 3 heating levels, up to 1,500 watts
- High-quality halogen tube
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- IR remote control
- Splash-proof, protection type IP34
- Operating control lamp
- Energy-efficient

NEW

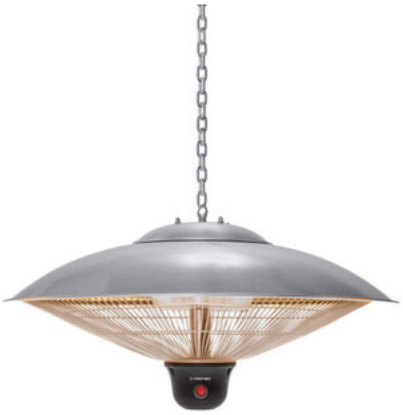


P4
TROTEC
P1
MODE
TIMER
TROTEC

IR 1550 SC

- Infrared heat without preheating
- 3 heating levels, up to 1,500 watts
- High-quality halogen tube
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- timer function (1-24 hours)
- LED display
- IR remote control
- Splash-proof, protection type IP24
- Operating control lamp
- Energy-efficient

NEW

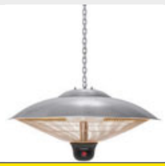
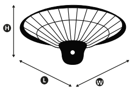


TROTEC
P1
P2
P3
TROTEC

IR 2000 SC

- Infrared heat without preheating
- 3 heating levels, up to 2,000 watts
- High-quality halogen tube
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- IR remote control
- Splash-proof, protection type IP34
- Operating control lamp
- Energy-efficient

Design radiant ceiling heater with a heating capacity **up to 2,000 W**

Overview: **Radiant ceiling heaters of the IR-SC series with a heating capacity of up to 2,000 W**					
Technical data		**IR 1500 SC**	**IR 1510 SC**	**IR 1550 SC**	**IR 2000 SC**
Article number		1.410.003.810	1.410.003.811	1.410.003.812	1.410.003.820
Heating capacity	Stage 1	500 W	500 W	600 W	650 W
	Stage 2	1,000 W	1,000 W	900 W	1,350 W
	Stage 3	1,500 W	1,500 W	1,500 W	2,000 W
Heating element		Carbon fibre tube	Halogen tube	Halogen tube	Halogen tube
Input voltage		220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz
Nominal current consumption		6.5 A	6.5 A	6.5 A	8.7 A
IP type of protection		IP34	IP34	IP24	IP34
Electric connection	Plug type	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7
	Cable length	1.8 m	1.85 m	1.7 m	1.85 m
Length		420 mm	425 mm	450 mm	605 mm
Width		420 mm	425 mm	450 mm	605 mm
Height		240 mm	300 mm	140 mm	300 mm
Weight		1.5 kg	2.5 kg	2.5 kg	3 kg
Equipment and functions		IR 1500 SC	IR 1510 SC	IR 1550 SC	IR 2000 SC
Heating levels		3	3	3	3
Steplessly adjustable thermostat		–	–	–	–
Adjustable multi-stage thermostat		■	■	■	■
Operating control lamp		■	■	■	■
Automatic switch-off upon reaching the set value		–	–	–	–
Timer function		–	–	■	–
Infrared remote control		■	■	■	■
Wall mounting / ceiling mounting / tripod		– / ■ / –	– / ■ / –	– / ■ / –	– / ■ / –

Pedestal radiant heaters with a heating capacity **up to 3,000 W**

IRS 800 E

- Infrared heat without preheating
- 2 heating levels, up to 800 watts
- 2 quartz elements
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Tilt protection switch integrated in the device base
- Easy transport and operation
- Energy-efficient

IRS 1500 E

- Infrared heat without preheating
- Heating capacity 1,500 watts
- High-quality low-glare short-wave infrared tube – approx. 5,000 operating hours with a light reduction of 80 %
- Even, all-round heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- LED element with 16 colours and 4 light effects
- LED element dimmable in 8 levels
- LED illumination and infrared tube can be used independently
- IR remote control for LED illumination
- Splash- and water-jet-proof, protection type IP55
- Aluminium design housing
- Tilt protection switch integrated in the device
- Space-saving pillar design with round base
- Energy-efficient

TROTEC
650W
1350W
2000W
TIMER
TROTEC

IRS 2000 E

- Infrared heat without preheating
- 3 heating levels, up to 2,000 watts
- High-quality carbon infrared tube – approx. 5,500 operating hours with a light reduction of 80 %
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- 24-hour timer
- LED display
- Infrared remote control
- Splash-proof, protection type IP34
- Robust aluminium housing
- Operating control lamp
- Tilt protection switch integrated in the device
- Space-saving pillar design with round base
- Energy-efficient

NEW

IRS 2050 E

- Infrared heat without preheating
- 9 heating levels, up to 2,000 watts
- High-quality carbon infrared tube – approx. 5,500 operating hours with a light reduction of 80 %
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- 24-hour timer
- LED display
- 45° oscillation with switch-off function
- IR remote control
- Splash- and water-jet-proof, protection type IP25
- Robust aluminium housing
- Operating control lamp
- Tilt protection switch integrated in the device
- Space-saving pillar design with round base
- Energy-efficient

Pedestal radiant heaters with a heating capacity **up to 3,000 W**

IRS 2020

- Infrared heat without preheating
- 2 heating levels, up to 2,000 watts
- High-quality halogen infrared tube
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash-proof, protection type IP34
- Steplessly adjustable in height between 194 and 209 cm
- Robust telescopic rod made of stainless steel
- Tilt protection switch integrated in the device
- Energy-efficient

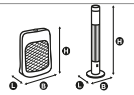
IRS 2520

- Infrared heat without preheating
- 2 heating levels, up to 2,500 watts
- High-quality halogen infrared tube
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash-proof, protection type IP34
- Robust telescopic rod made of stainless steel
- Tilt protection switch integrated in the device
- Energy-efficient

IRS 3020

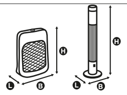
- Infrared heat without preheating
- 2 heating levels, up to 3,000 watts
- High-quality halogen infrared tube
- Even and targeted heat distribution
- Clean, non-condensing, odourless and free from noise
- No dust circulation, thus suitable for allergy sufferers
- Splash-proof, protection type IP34
- Robust telescopic rod made of stainless steel
- Tilt protection switch integrated in the device
- Energy-efficient

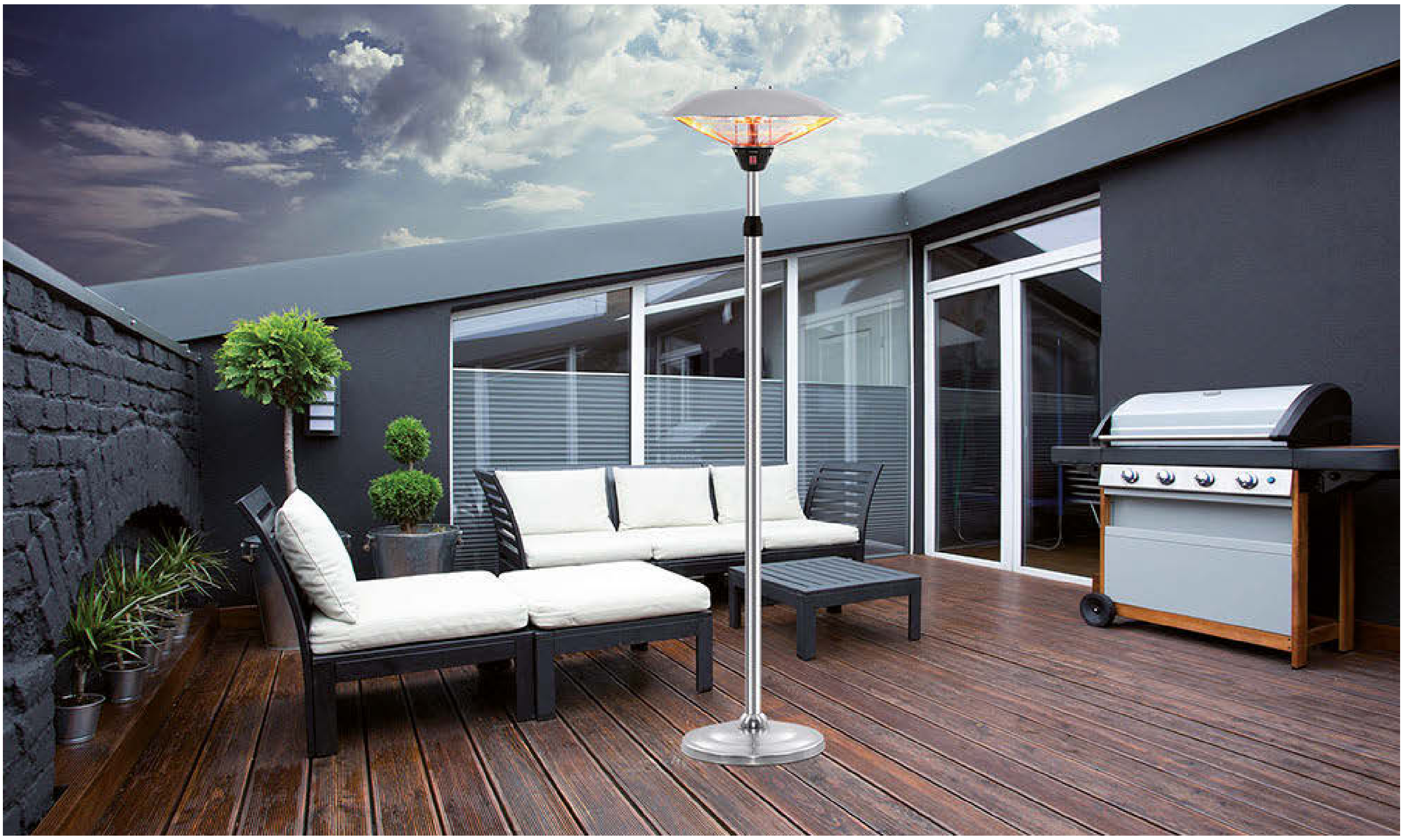
Pedestal radiant heaters with a heating capacity **up to 3,000 W**

Overview: **Pedestal radiant heaters of the IRS-E series /IRS series with a heating capacity of up to 3,000 W**							
Technical data		**IRS 800 E**	**IRS 1500 E**	**IRS 2000 E**	**IRS 2050 E**	**IRS 2020**	**IRS 2520**
Article number		1.410.003.901	1.410.003.910	1.410.003.920	1.410.003.921	1.410.003.930	1.410.003.932
Heating capacity	Stage 1	400 W	1.500 W	650 W	1,000 W	1,000 W	1,250 W
	Stage 2	800 W	–	1,350 W	2,000 W	2,000 W	2,500 W
	Stage 3	–	–	2,000 W	–	–	–
Heating element		Quarz	Low-glare	Carbon fibre tube	Carbon fibre tube	Halogen tube	Halogen tube
Input voltage		220 - 230 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz
Nominal current consumption		3.5 A	6.5 A	8.6 A	8.6 A	8.7 A	8.7 A
IP type of protection		–	IP55	IP34	IP25	IP34	IP34
Electric connection	Plug type	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7
	Cable length	1.65 m	1.8 m	1.8 m	1.75 m	1.75 m	1.75 m
Length		173 mm	280 mm	300 mm	285 mm	590 mm	590 mm
Width		335 mm	280 mm	300 mm	285 mm	590 mm	590 mm
Height		439 mm	1,100 mm	1,000 mm	950 mm	2,090 mm	1,880 mm
Weight		2 kg	5.5 kg	5 kg	6 kg	11.5 kg	11.5 kg
Equipment and functions		IRS 800 E	IRS 1500 E	IRS 2000 E	IRS 2050 E	IRS 2020	IRS 2520
Heating levels		2	1	3	2	2	2
Operating control lamp		–	■	■	■	–	–
Timer function		–	–	■	■	–	–
LED display		–	■	■	■	–	–
Adjustable in height		–	–	–	–	■	–
Tilt protection switch		■	■	■	■	■	■
Oscillation		–	–	–	45°	45°	–
Infrared remote control		–	■	■	■	–	–
Accessories		IRS 800 E	IRS 1500 E	IRS 2000 E	IRS 2050 E	IRS 2020	IRS 2520
Socket thermostat BN30		–	–	–	–	6.100.007.009	6.100.007.009
Radio-controlled socket thermostat BN35		–	–	–	–	6.100.007.008	6.100.007.008

Pedestal radiant heaters with a heating capacity **up to 3,000 W**

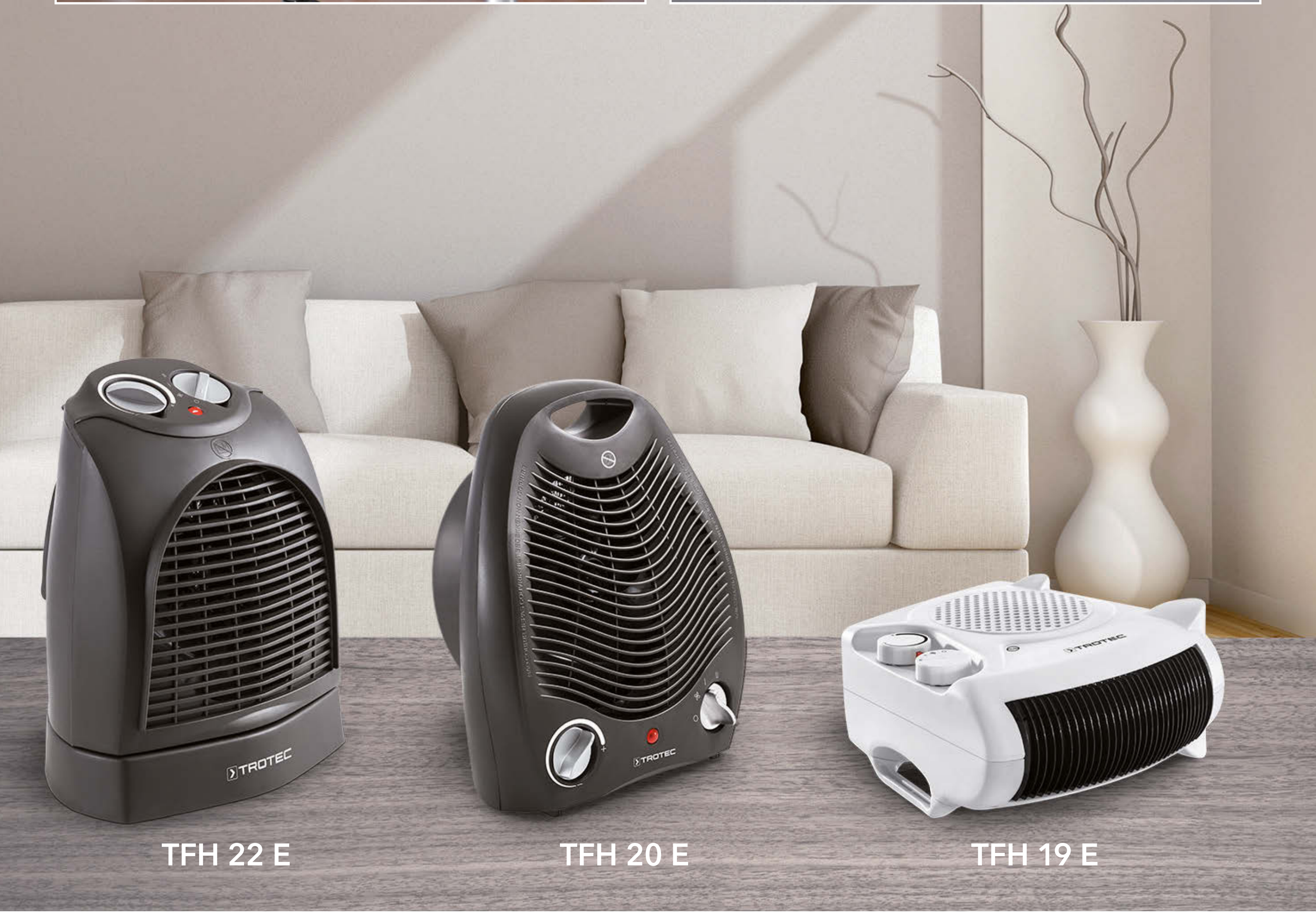
Overview:
Pedestal radiant heaters of the IRS-E series /IRS series with a heating capacity of up to 3,000 W

Technical data		**IRS 3020**
Article number		1.410.003.933
Heating capacity	Stage 1	1,500 W
	Stage 2	3,000 W
	Stage 3	–
Heating element		Halogen tube
Input voltage		220 - 240 V/ 50 - 60 Hz
Nominal current consumption		8.7 A
IP type of protection		IP34
Electric connection	Plug type	CEE 7/7
	Cable length	1.75 m
Length		590 mm
Width		590 mm
Height		1,900 mm
Weight		11.5 kg
Equipment and functions		IRS 3020
Heating levels		2
Operating control lamp		–
Timer function		–
LED display		–
Adjustable in height		–
Tilt protection switch		■
Oscillation		–
Infrared remote control		–
Accessories		IRS 3020
Socket thermostat BN30		6.100.007.009
Radio-controlled socket thermostat BN35		6.100.007.008



FAN HEATERS OF THE TFH-E SERIES

FOR QUICK WARM-UP

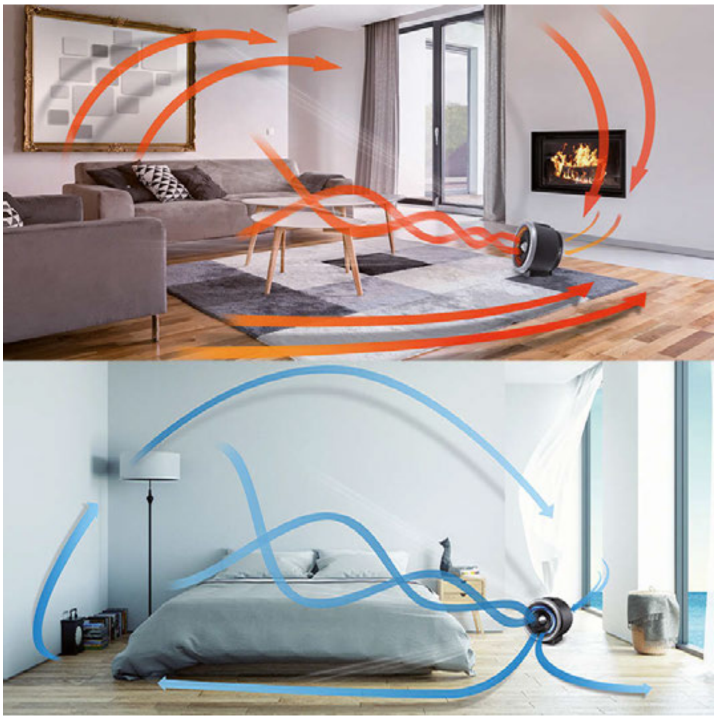

TFH 22 E
TFH 20 E
TFH 19 E

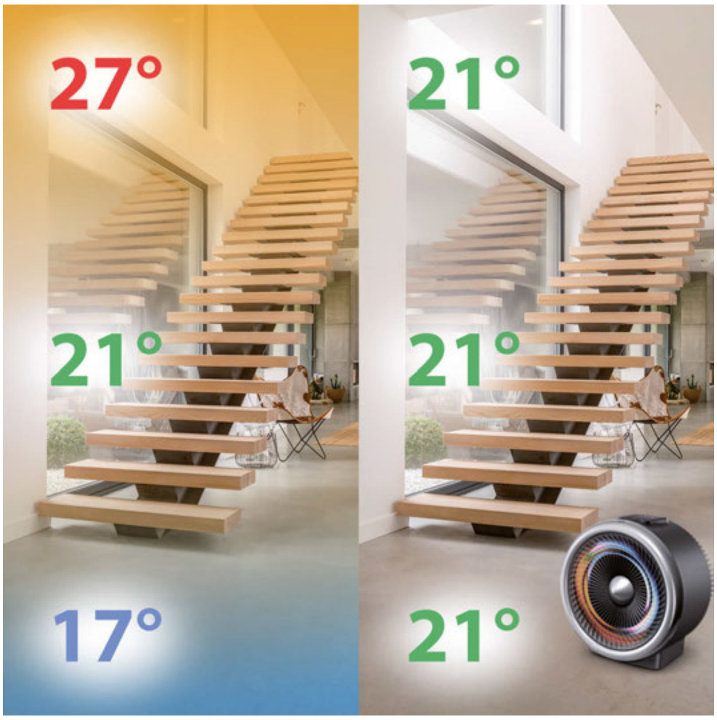
TURBO
SPIN
TFH 2000 E

FAN HEATER WITH TURBO SPIN TECHNOLOGY

Thanks to patented mechanics, this fan heater sucks in the room air in one direction; the air is then expanded in a forward spin by means of especially shaped axial impellers and subsequently emitted through flow-optimized louvres as compressed, spiral-shaped air current.

The turbo spin principle can ensure both: a consistent, gentle breeze and a measurably higher air flow rate as compared to conventional fan heaters. The discharged air current is then deflected by the wall or ceiling in a way to create a closed loop to the device – ensuring the circulation of the entire room air as well as an agreeable room climate with consistent temperatures.





Fan heaters for quick and effective heat with **up to 2,000 W**

TFH 19 E

- Quick warmth without preheating
- 2 heating levels (1,000 W / 2,000 W)
- Fan operation also possible without heating function
- Steplessly adjustable thermostat
- Overheating protection
- Positioning options – vertical / horizontal
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient

TFH 20 E

- Quick warmth without preheating
- 2 heating levels (1,000 W / 2,000 W)
- Fan operation also possible without heating function
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device base
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient

TFH 22 E

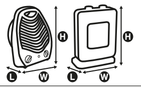
- Quick warmth without preheating
- 2 heating levels (1,000 W / 2,000 W)
- Fan operation also possible without heating function
- On-demand 90° oscillation for a faster air distribution
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device base
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient

TFH 2000 E

- 2-in-1 fan heater and fan
- 2 heating levels (1,200 W / 2,000 W)
- 2 cold settings – ventilation mode
- Fan rundown function
- Optimum heat circulation due to urbospin technology
- Thermostat-controlled automatic operation with target value preselection between 18 and 30 °C
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- LED display
- Overheating protection
- Tilt protection switch integrated in the device
- Operation indicator light
- Particularly silent
- Secure footing

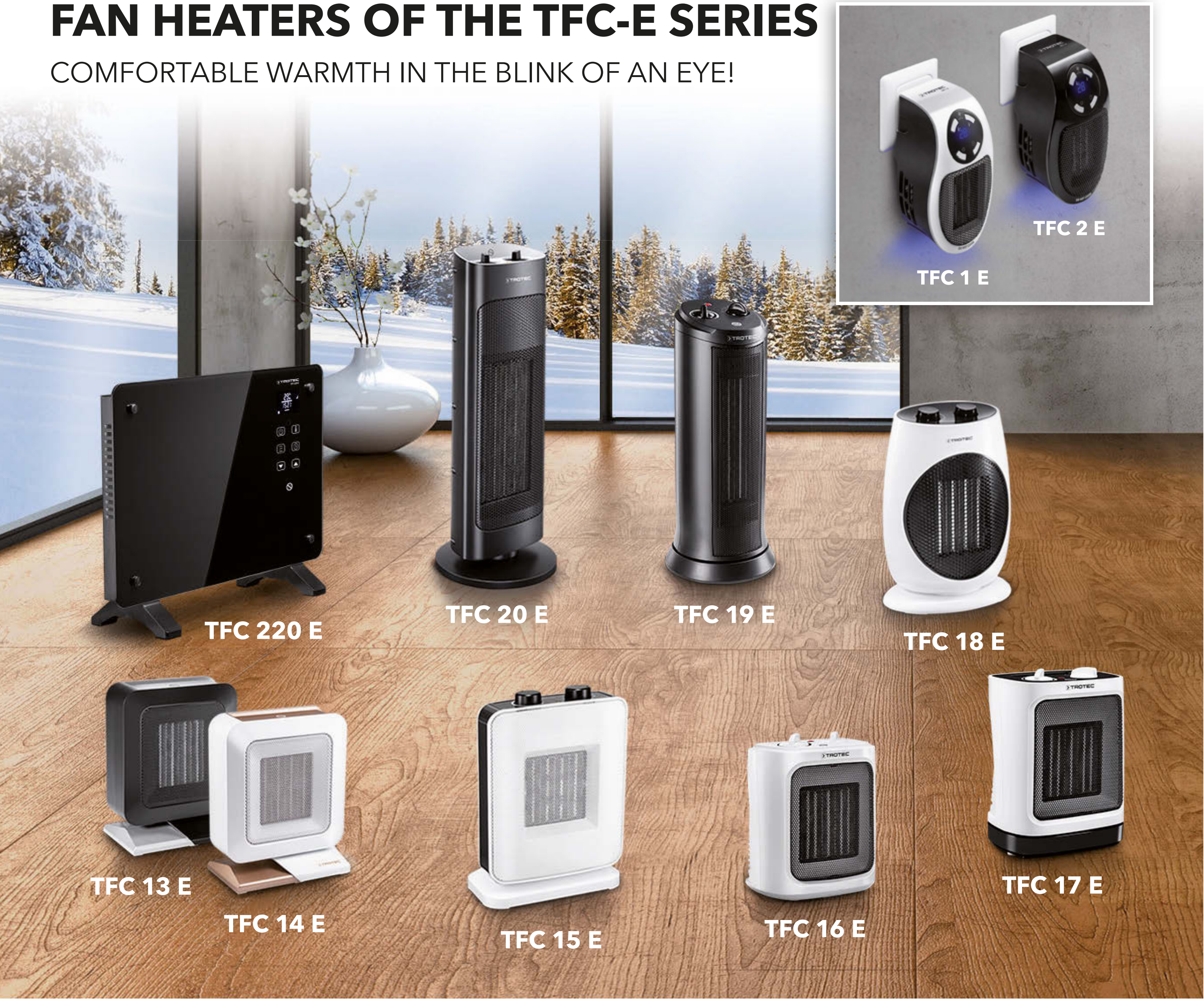
Fan heaters for quick and effective heat with **up to 2,000 W**

Overview:
Fan heaters of the TFH-E series with a heating capacity of up to 2,000 W

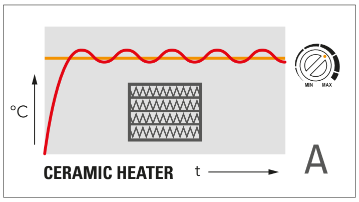
Technical data		**TFH 19 E**	**TFH 20 E**	**TFH 22 E**	**TFH 2000 E**
Article number	Anthracite	–	–	–	1.410.000.630
	Brown	–	1.410.000.610	1.410.000.615	–
	White	1.410.000.609	–	–	–
Suitable for rooms sized up to		24 m² / 60 m³	24 m² / 60 m³	24 m² / 60 m³	24 m² / 60 m³
Heating capacity	Stage 1	1,000 W	1,000 W	1,000 W	1,200 W
	Stage 2	2,000 W	2,000 W	2,000 W	2,000 W
Input voltage		220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz
Nominal current consumption		8.7 A	8.7 A	8.7 A	8.7 A
Electric connection	Plug type	CEE 7/17	CEE 7/17	CEE 7/17	CEE 7/17
	Cable length	1.2 m	1.2 m	1.2 m	1.8 m
Sound pressure level		48 dB(A)	45 dB(A)	50 dB(A)	53 dB(A)
Length		240 mm	120 mm	150 mm	185 mm
Width		120 mm	210 mm	230 mm	255 mm
Height		255 mm	260 mm	300 mm	250 mm
Weight		1 kg	0.8 kg	1 kg	2 kg
Equipment and functions		TFH 19 E	TFH 20 E	TFH 22 E	TFH 2000 E
Heating levels		2	2	2	2
Thermostat		■	■	■	■
Operating control lamp		■	■	■	■
Timer function		–	–	–	–
LED display		–	–	–	■
Tilt protection switch		–	■	■	■
Oscillation		–	–	90°	–
Overheating protection		■	■	■	■
Automatic switch-off upon reaching the set value		■	■	■	■

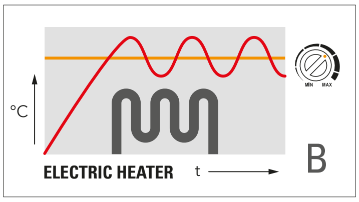
FAN HEATERS OF THE TFC-E SERIES

COMFORTABLE WARMTH IN THE BLINK OF AN EYE!



FASTER AIR HEATING – MORE AGREEABLE FEEL-GOOD CLIMATE ACHIEVED BY MORE EVEN ROOM TEMPERATURES





Compared to the conventional heating coil technology (B) the shorter heat-up times are not the only distinguishing feature of Trotec fan heaters with PTC ceramic heating elements (A). There are also substantial process-related differences in the response behaviour of the heating elements. Although both devices maintain the preselected target temperature (orange) in a similar manner by means of thermostat control, the respective temperature adaptation takes place at a significantly reduced speed and with greater deviations from the desired target temperature in case of devices with heating wires. The reason for this is the different conductivity behaviour of the heating elements: if current flows through the heating coils or wires, they will always retain the same temperature once they have heated up. For controlling the desired room temperature, the power supply is first interrupted, causing the coil/wire to cool down, and then re-activated by the thermostat so that the coil/wire heats up again completely before it is switched back off upon reaching the set target temperature. This “on/off process” causes greater temperature fluctuations than with ceramic heating elements, for the material of the latter provides an integrated temperature self-regulation. The hotter PTCs get, the higher is their electrical resistivity, resulting in less current flowing through the heating element and in a reduced heating capacity, and thus in significantly lower temperature fluctuations and less switch-on and switch-off processes in thermostat-controlled operation. For this reason, ceramic fan heaters are able to create more even room temperatures for a pleasant working climate.

Ceramic fan heaters for quick and effective heat with **up to 2,200 W**

TFC 1 E / TFC 2 E

- Silent and compact ceramic fan heater
- PTC ceramic heating element
- Economical 500 W
- 2 fan settings
- Thermostat-controlled automatic operation with target value preselection between 15 and 30 °C
- Timer function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- LED display
- Overheating protection
- Operation indicator light
- Simple plug-in design perfect for use while you are on the move
- Energy-efficient

TFC 13 E / TFC 14 E

- Silent and compact ceramic fan heater
- PTC ceramic heating element
- 2 heating levels (700 W / 1,400 W)
- Fan operation also possible without heating function
- Overheating protection
- Tilt protection switch integrated in the device base
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient

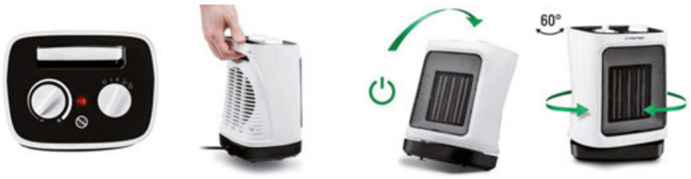
TFC 15 E

- Silent and compact ceramic fan heater
- PTC ceramic heating element
- 2 heating levels (750 W / 1,500 W)
- On-demand 80° oscillation for a faster air distribution
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient

TFC 16 E

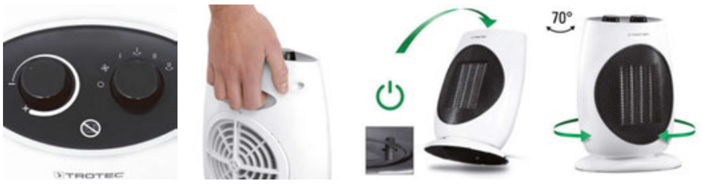
- Silent and compact ceramic fan heater
- PTC ceramic heating element
- 2 heating levels (1,200 W / 2,000 W)
- Fan operation also possible without heating function
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device base
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient

Ceramic fan heaters for quick and effective heat with **up to 2,200 W**



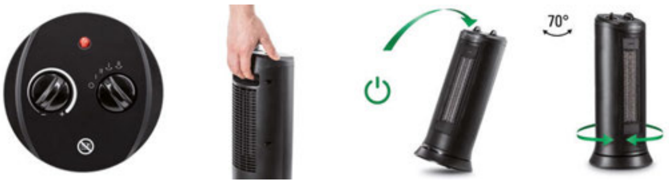
TFC 17 E

- Silent and compact ceramic fan heater
- PTC ceramic heating element
- 2 heating levels (1,200 W / 2,000 W)
- On-demand 60° oscillation for a faster air distribution
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device base
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient



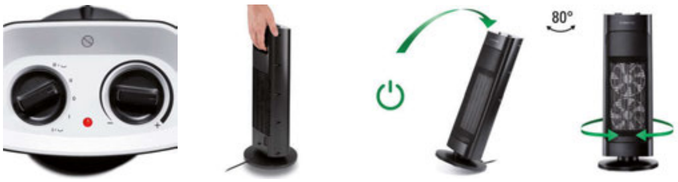
TFC 18 E

- Silent and compact ceramic fan heater
- PTC ceramic heating element
- 2 heating levels (1,100 W / 1,800 W)
- Fan operation also possible without heating function
- On-demand 70° oscillation for a faster air distribution
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device base
- Easy transport and operation
- Secure footing
- Energy-efficient



TFC 19 E

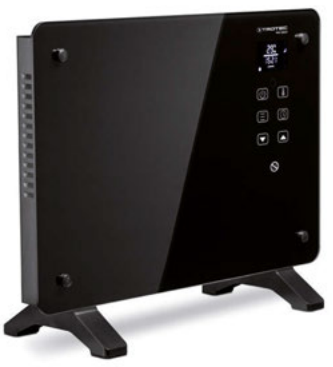
- Silent and compact ceramic fan heater
- PTC ceramic heating element
- 2 heating levels (1,200 W / 2,000 W)
- On-demand 70° oscillation for a faster air distribution
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient



TFC 20 E

- Silent and compact ceramic fan heater
- PTC ceramic heating element
- 2 heating levels (1,000 W / 2,000 W)
- On-demand 80° oscillation for a faster air distribution
- Steplessly adjustable thermostat
- Overheating protection
- Tilt protection switch integrated in the device
- Operation indicator light
- Easy transport and operation
- Secure footing
- Energy-efficient

Ceramic fan heaters for quick and effective heat with **up to 2,200 W**



Intertek GS

TFC 220 E

- Silent and compact ceramic fan heater
- 2,200 W heating capacity
- 2 fan stages
- Thermostat-controlled automatic operation with target value preselection between 15 and 35 °C
- Comfort mode, night mode and energy saving mode
- Current room temperature indication
- Timer function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Fan rundown function
- Frost monitor function
- Overheating protection
- IR remote control
- Safety glass with touchscreen and LC display
- Secure footing

QUICK ADDITIONAL HEATING AT A SMALL PRICE

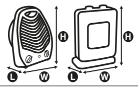
As a mobile heat source fan heaters are the first choice whenever heat must be provided quickly and without delay. Since they supply non-condensing heat without consuming oxygen they are ideally suited for heating interior spaces. Owing to their variety of designs, different construction, size and heating capacity, mobile fan heaters can be effortlessly adapted to the individual on-site conditions present in living spaces and basements.

Fan heaters are ideally suited for the flexible application as temporary or additional heating solution in private living quarters or at the workplace. They are particularly useful in rooms without a permanently installed heating system, e.g. in garages or in hobby rooms that are rarely heated.
Moreover, fan heaters are welcome heat sources in guestrooms or guest toilets and also perform well when applied as frost monitor in basements or garages. At any desired location the electrical direct heaters produce an agreeable warmth right after switch-on – all it takes is a nearby socket.

In addition to their flexibility for possible applications mobile fan heaters are normally characterized by compact dimensions and a low price. They offer comfort functions for nearly every individual requirement such as an on-demand oscillation function or a timer function.

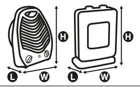
Ceramic fan heaters for quick and effective heat with **up to 2,200 W**

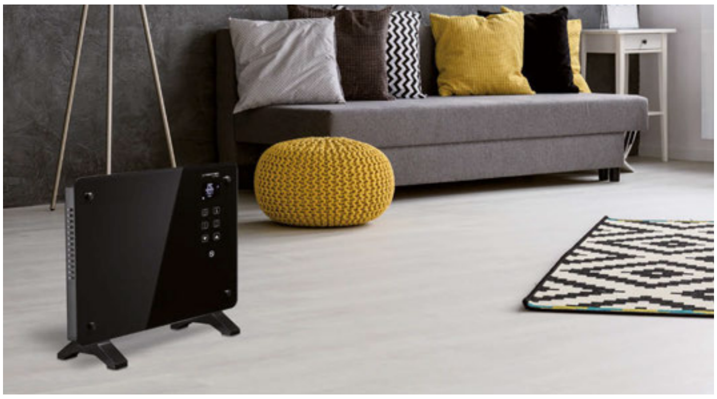
Overview:
Fan heaters of the TFC-E series with a heating capacity of up to 2,200 W

Technical data		**TFC 1 E / 2 E**	**TFC 13 E / 14 E**	**TFC 15 E**	**TFC 16 E**	**TFC 17 E**
Article number	Black	1.410.000.641	1.410.000.655	–	–	1.410.000.659
	White	1.410.000.640	1.410.000.656	1.410.000.657	1.410.000.658	–
Suitable for rooms sized up to		10 m² / 25 m³	20 m² / 50 m³	20 m² / 50 m³	24 m² / 60 m³	24 m² / 60 m³
Heating capacity	Stage 1	500 W	700 W	750 W	1,200 W	1,200 W
	Stage 2	–	1,400 W	1,500 W	2,000 W	2,000 W
Input voltage		220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz
Nominal current consumption		2.17 A	6.1 A	6.5 A	8.7 A	8.7 A
IP type of protection		–	IP20	IP20	–	–
Electric connection	Plug type	CEE 7/17	CEE 7/17	CEE 7/17	CEE 7/17	CEE 7/17
	Cable length	–	1.5 m	1.5 m	1.83 m	1.83 m
Sound pressure level		51 dB(A)	48 dB(A)	48 dB(A)	60 dB(A)	57 dB(A)
Length		110 mm	120 mm	115 mm	175 mm	185 mm
Width		130 mm	195 mm	215 mm	135 mm	155 mm
Height		202 mm	255 mm	300 mm	228 mm	262 mm
Weight		0.4 kg	1 kg	2 kg	1.5 kg	2 kg
Equipment and functions		TFC 1 E / 2 E	TFC 13 E / 14 E	TFC 15 E	TFC 16 E	TFC 17 E
Heating levels		1	2	2	2	2
Thermostat		■	–	■	■	■
Frost monitor function		–	–	–	–	–
Operating control lamp		■	■	■	■	■
Timer function		■	–	–	–	–
LED display		■	–	–	–	–
Tilt protection switch		–	■	■	■	■
Oscillation		–	–	80°	–	60°
Overheating protection		■	■	■	■	■
Automatic switch-off upon reaching the set value		■	–	■	■	■
Current room temperature display		–	–	–	–	–
LCD display		–	–	–	–	–
Safety glass with touch screen		–	–	–	–	–
Infrared remote control		–	–	–	–	–

Ceramic fan heaters for quick and effective heat with **up to 2,200 W**

Overview:
Fan heaters of the TFC-E series with a heating capacity of up to 2,200 W

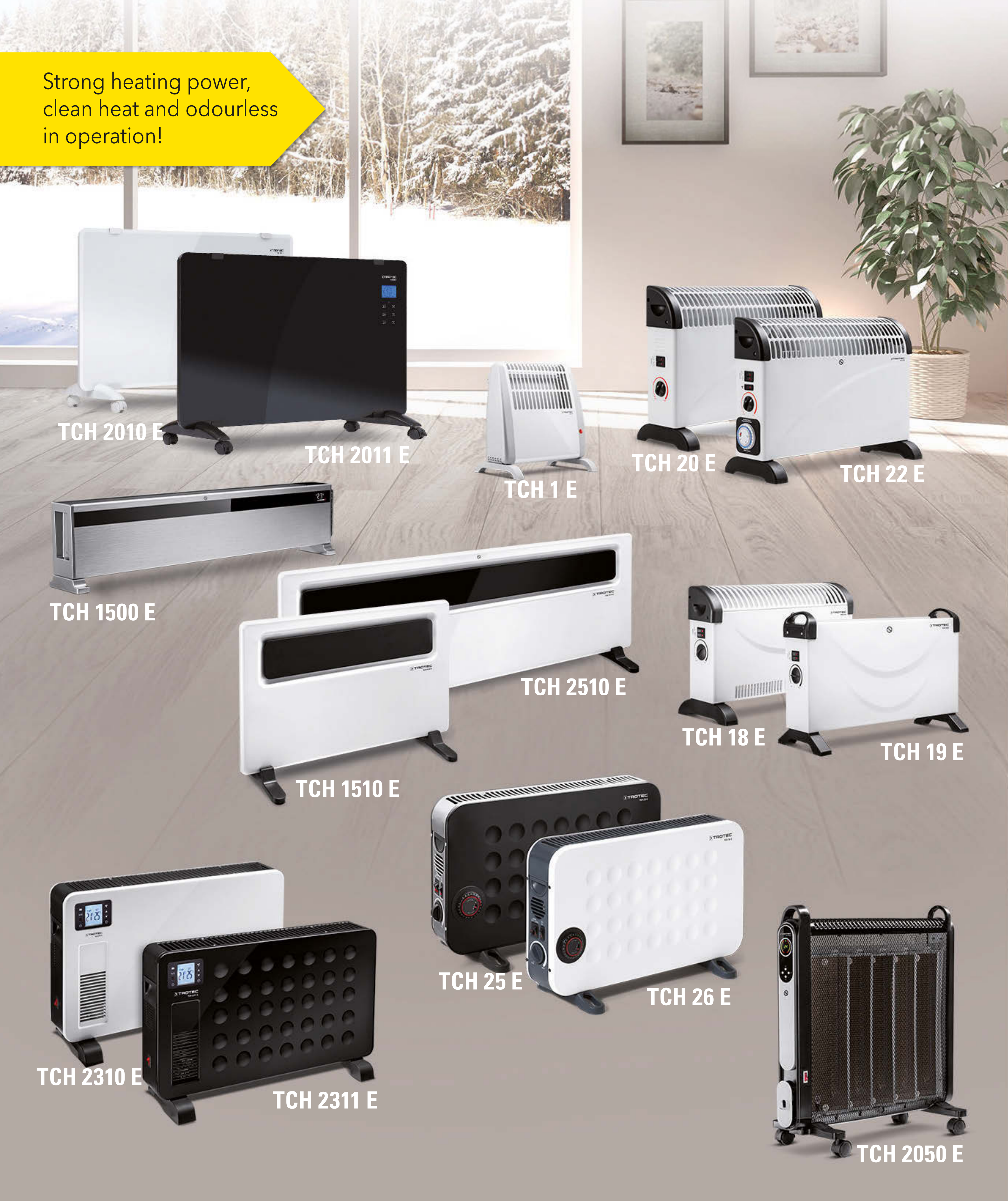
Technical data		**TFC 18 E**	**TFC 19 E**	**TFC 20 E**	**TFC 220 E**
Article number	Black	–	1.410.000.661	1.410.000.670	1.410.000.690
	White	1.410.000.660	–	–	–
Suitable for rooms sized up to		22 m² / 55 m³	24 m² / 60 m³	24 m² / 60 m³	26 m² / 65 m³
Heating capacity	Stage 1	1,100 W	1,200 W	1,000 W	2,200 W
	Stage 2	1,800 W	2,000 W	2,000 W	–
Input voltage		220 - 230 V/ 50 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz	230 V/ 50 - 60 Hz
Nominal current consumption		7.8 A	8.7 A	8.6 A	9.6 A
IP type of protection		IP20	–	IP20	–
Electric connection	Plug type	CEE 7/17	CEE 7/17	CEE 7/17	CEE 7/17
	Cable length	1.5 m	1.5 m	1.4 m	1.5 m
Sound pressure level		48 dB(A)	54 dB(A)	48 dB(A)	–
Length		148 mm	186 mm	200 mm	90 mm
Width		220 mm	186 mm	200 mm	520 mm
Height		315 mm	440 mm	520 mm	350 mm
Weight		2 kg	2 kg	2.5 kg	6 kg
Equipment and functions		TFC 18 E	TFC 19 E	TFC 20 E	TFC 220 E
Heating levels		2	2	2	1
Thermostat		■	■	■	■
Frost monitor function		–	–	–	■
Operating control lamp		–	■	■	–
Timer function		–	–	–	■
LED display		–	–	–	–
Tilt protection switch		■	■	■	–
Oscillation		70°	70°	80°	–
Overheating protection		■	■	■	■
Automatic switch-off upon reaching the set value		■	■	■	■
Current room temperature display		–	–	–	■
LCD display		–	–	–	■
Safety glass with touch screen		–	–	–	■
Infrared remote control		–	–	–	■



CONVECTORS OF THE TCH-E SERIES

CLEAN HEAT FOR TRANSITION OR ADDITIONAL HEATING

Strong heating power,
clean heat and odourless
in operation!


TCH 2010 E
TCH 2011 E
TCH 1 E
TCH 20 E
TCH 22 E
TCH 1500 E
TCH 2510 E
TCH 18 E
TCH 19 E
TCH 1510 E
TCH 25 E
TCH 26 E
TCH 2310 E
TCH 2311 E
TCH 2050 E

Convectors with a heating capacity of **up to 2,500 W**

TCH 1 E

- Economical heating capacity of 450 W for clean, non-condensing and odourless heat
- Infinitely variable thermal control
- Thermostat-controlled automatic operation
- Frost monitor function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Particularly easy handling
- Overheating protection
- Noiseless heating

MIN
MAX
2000W
1250W
750W

TCH 18 E

- Heating capacity of up to 2,000 W for clean, non-condensing and odourless heat
- 3 heating levels (750 W / 1,250 W / 2,000 W)
- Infinitely variable thermal control
- Thermostat-controlled automatic operation
- Frost monitor function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Overheating protection
- Noiseless heating

MIN
MAX
2000W
1250W
750W

TCH 19 E

- Heating capacity of up to 2,000 W for clean, non-condensing and odourless heat
- 3 heating levels (750 W / 1,250 W / 2,000 W)
- Infinitely variable thermal control
- Thermostat-controlled automatic operation
- Frost monitor function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Overheating protection
- Noiseless heating

MIN
MAX
2000W
1250W
750W

TCH 20 E

- Heating capacity of up to 2,000 W for clean, non-condensing and odourless heat
- 3 heating levels (750 W / 1,250 W / 2,000 W)
- Infinitely variable thermal control
- Thermostat-controlled automatic operation
- Frost monitor function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Overheating protection
- Noiseless heating

Trotec
Dehumidification
Humidification
SecoSan
Air cleaning
Heating
Air conditioning
Air cooling
Ventilation
Cleaning
Accessories

Convectors with a heating capacity of **up to 2,500 W**

MIN
MAX
2000W
1250W
750W
24 HOUR FULLY Programmable Timer
Timer Control

TCH 22 E

- Heating capacity of up to 2,000 W for clean, non-condensing and odourless heat
- 3 heating levels (750 W / 1,250 W / 2,000 W)
- On-demand turbo blower for quicker air circulation
- Infinitely variable thermal control
- Thermostat-controlled automatic operation
- Frost monitor function
- 24-hour timer
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Overheating protection
- Noiseless heating

MIN
MAX
2000W
750W 1250W

TCH 25 E / TCH 26 E

- Heating capacity of up to 2,000 W for clean, non-condensing and odourless heat
- 3 heating levels (750 W / 1,250 W / 2,000 W)
- On-demand turbo blower for quicker air circulation
- Infinitely variable thermal control
- Thermostat-controlled automatic operation
- Frost monitor function
- 24-hour timer
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Overheating protection
- Noiseless heating

TCH 1500 E

- Heating capacity of 1,500 W for clean, non-condensing and odourless heat
- 10 heating levels (min. 220 W to max. 1,500 W)
- High-quality aluminium design housing
- Multi-stage thermal control
- Thermostat-controlled automatic operation with target value preselection between 5 and 35 °C
- Automatic temperature control
- Frost monitor function
- Timer function
- IR remote control
- Touchscreen and LCD display
- Energy saving mode
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Maximum security thanks to overheating and tilt protection as well as child lock
- Noiseless heating

TCH 1510 E

- Heating capacity of 1,500 W for clean, non-condensing and odourless heat
- Thermostat-controlled automatic operation
- Automatic temperature control
- Frost monitor function
- Timer function
- Weekly timer
- LCD display
- Energy saving mode
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Maximum security thanks to overheating protection and child lock
- Noiseless heating

Convectors with a heating capacity of **up to 2,500 W**

TCH 2010 E / TCH 2011 E

- Heating capacity of up to 2,000 W for clean, non-condensing and odourless heat
- 2 heating levels (1,000 W / 2,000 W)
- Infinitely variable thermal control
- Thermostat-controlled automatic operation with target value preselection between 15 and 35 °C
- Automatic temperature control
- Frost monitor function
- Current room temperature indication
- Timer function
- IR remote control
- Safety glass with touchscreen and LCD display
- Overheating protection and memory function
- Easy to transport thanks to integrated castors
- Parking brake to prevent the device from rolling away inadvertently

TCH 2050 E

- Heating capacity of up to 2,000 W for clean, non-condensing and odourless heat
- 2 heating levels (1,200 W / 2,000 W)
- Thermal wave heater with high-quality Mica element
- Thermostat-controlled automatic operation with target value preselection between 5 and 35 °C
- Automatic temperature control
- Current room temperature indication
- Frost monitor function
- Timer function
- IR remote control
- LCD display
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Maximum security thanks to overheating and tilt protection
- Easy to transport thanks to integrated castors
- Noiseless heating

TCH 2310 E / TCH 2311 E

- Heating capacity of up to 2,300 W for clean, non-condensing and odourless heat
- 3 heating levels (1,000 W / 1,300 W / 2,300 W)
- On-demand turbo blower for quicker air circulation
- Infinitely variable thermal control
- Automatic temperature control
- Frost monitor function
- Current room temperature indication
- Timer function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- IR remote control
- LCD display
- Overheating protection
- Noiseless heating

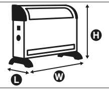
TCH 2510 E

- Heating capacity of 2,500 W for clean, non-condensing and odourless heat
- Thermostat-controlled automatic operation
- Automatic temperature control
- Frost monitor function
- Timer function
- Weekly timer
- LCD display
- Energy saving mode
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Maximum security thanks to overheating protection and child lock
- Noiseless heating

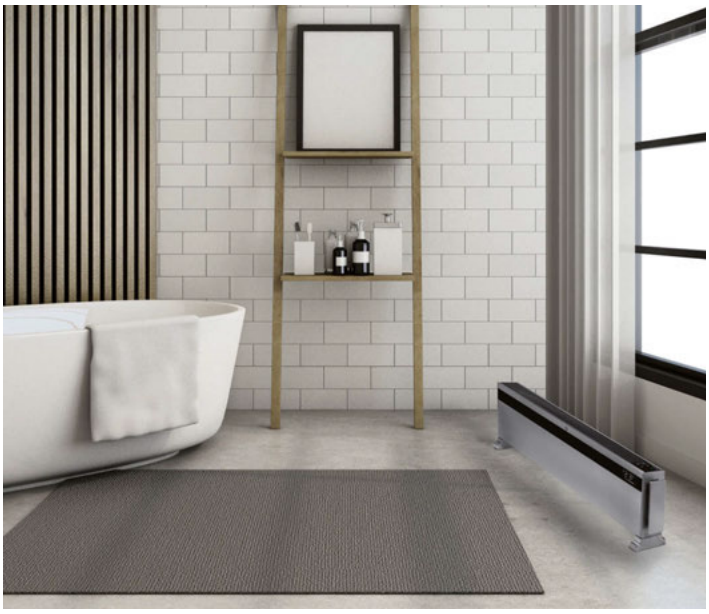
Convectors with a heating capacity of **up to 2,500 W**

Overview:

Convectors of the TCH-E series with a heating capacity of up to 2,500 W

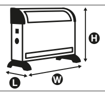
Technical data		**TCH 1 E**	**TCH 18 E**	**TCH 19 E**	**TCH 20 E**	**TCH 22 E**	**TCH 25 E / TCH 26 E**
Article number	Black	–	–	–	–	–	1.410.000.521
	White	1.410.000.501	1.410.000.508	1.410.000.509	1.410.000.510	1.410.000.515	1.410.000.522
	Silver	–	–	–	–	–	–
Suitable for rooms sized up to		10 m^2 / 25 m^3	24 m^2 / 60 m^3	24 m^2 / 60 m^3	24 m^2 / 60 m^3	24 m^2 / 60 m^3	24 m^2 / 60 m^3
Heating capacity	Stage 1	0.45 kW	0.75 kW	0.75 kW	0.75 kW	0.75 kW	0.75 kW
	Stage 2	–	1.25 kW	1.25 kW	1.25 kW	1.25 kW	1.25 kW
	Stage 3	–	2 kW	2 kW	2 kW	2 kW	2 kW
Input voltage		220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	230 V/ 50 Hz	230 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz
Nominal current consumption		2.17 A	8.7 A	8.7 A	8.7 A	8.7 A	8.7 A
IP type of protection		IP20	–	–	–	–	–
Electric connection	Plug type	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7
	Cable length	1.2 m	1.2 m	1.2 m	1.2 m	1.2 m	1.5 m
Sound level without / with turbo blower		– / –	– / –	– / –	– / –	– / 40 dB(A)	– / 46 dB(A)
Length 1)		177 mm	200 mm	200 mm	160 mm	160 mm	220 mm
Width 1)		275 mm	520 mm	495 mm	520 mm	520 mm	600 mm
Height 1)		276 mm	345 mm	330 mm	390 mm	390 mm	380 mm
Weight		1 kg	2 kg	2 kg	2 kg	2.5 kg	3.5 kg
Equipment and functions		TCH 1 E	TCH 18 E	TCH 19 E	TCH 20 E	TCH 22 E	TCH 25 E / TCH 26 E
Heating levels		1	3	3	3	3	3
Thermostat		■	■	■	■	■	■
Steplessly adjustable thermostat		■	■	■	■	■	■
Frost monitor function		■	■	■	■	■	■
Operating control lamp		■	■	■	■	■	■
Timer function		–	–	–	–	–	–
24-hour timer		–	–	–	–	■	■
Tilt protection switch		–	–	–	–	–	–
Overheating protection		■	■	■	■	■	■
Automatic switch-off upon reaching the set value		■	■	■	■	■	■
Current room temperature display		–	–	–	–	–	–
Selectable turbo blower		–	–	–	–	■	■
LCD display		–	–	–	–	–	–
Safety glass with touch screen		–	–	–	–	–	–
Infrared remote control		–	–	–	–	–	–

1) with feet



Convectors with a heating capacity of **up to 2,500 W**

Overview:
Convectors of the TCH-E series with a heating capacity of up to 2,500 W

Technical data		**TCH 1500 E**	**TCH 1510 E**	**TCH 2010 E / TCH 2011 E**	**TCH 2050 E**	**TCH 2310 E / TCH 2311 E**	**TCH 2510 E**
Article number	Black	–	–	1.410.000.532	1.410.000.540	1.410.000.551	–
	White	–	1.410.000.529	1.410.000.531	–	1.410.000.550	1.410.000.560
	Silver	1.410.000.528	–	–	–	–	–
Suitable for rooms sized up to		20 m² / 50 m³	20 m² / 50 m³	24 m² / 60 m³	24 m² / 60 m³	27 m² / 67 m³	30 m² / 75 m³
Heating capacity	Stage 1	1.5 kW	1.5 kW	1 kW	1.2 kW	1 kW	2.5 kW
	Stage 2	–	–	2 kW	2 kW	1.3 kW	–
	Stage 3	–	–	–	–	2.3 kW	–
Input voltage		220 - 240 V/ 50 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz	230 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz
Nominal current consumption		6.5 A	6.5 A	8.7 A	8.7 A	10 A	10.8 A
IP type of protection		IPX4	IP24	IP24	–	IP20	IP24
Electric connection	Plug type	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7
	Cable length	1.5 m	1.8 m	1.5 m	1.2 m	1.5 m	1.8 m
Sound level without / with turbo blower		– / –	– / –	– / –	– / –	– / –	– / –
Length [1]		130 mm	260 mm	260 mm	260 mm	220 mm	280 mm
Width [1]		1,100 mm	690 mm	840 mm	640 mm	690 mm	1,250 mm
Height [1]		230 mm	535 mm	490 mm	660 mm	435 mm	525 mm
Weight		6.5 kg	3.5 kg	8 kg	5 kg	5 kg	4 kg
Equipment and functions		TCH 1500 E	TCH 1510 E	TCH 2010 E / TCH 2011 E	TCH 2050 E	TCH 2310 E / TCH 2311 E	TCH 2510 E
Heating levels		10	1	2	2	3	1
Thermostat		■	–	■	■	–	–
Steplessly adjustable thermostat		–	–	■	■	–	–
Frost monitor function		■	■	■	■	■	■
Operating control lamp		■	■	■	■	■	■
Timer function		■	■	■	■	■	■
24-hour timer		–	–	–	–	–	–
Tilt protection switch		■	–	–	■	–	–
Overheating protection		■	■	■	■	■	■
Automatic switch-off upon reaching the set value		■	■	–	■	–	■
Current room temperature display		–	–	■	■	■	–
Selectable turbo blower		–	–	–	–	■	–
LCD display		■	■	■	■	■	■
Safety glass with touch screen		–	–	■	–	–	–
Infrared remote control		■	–	■	–	■	–

[1] with feet

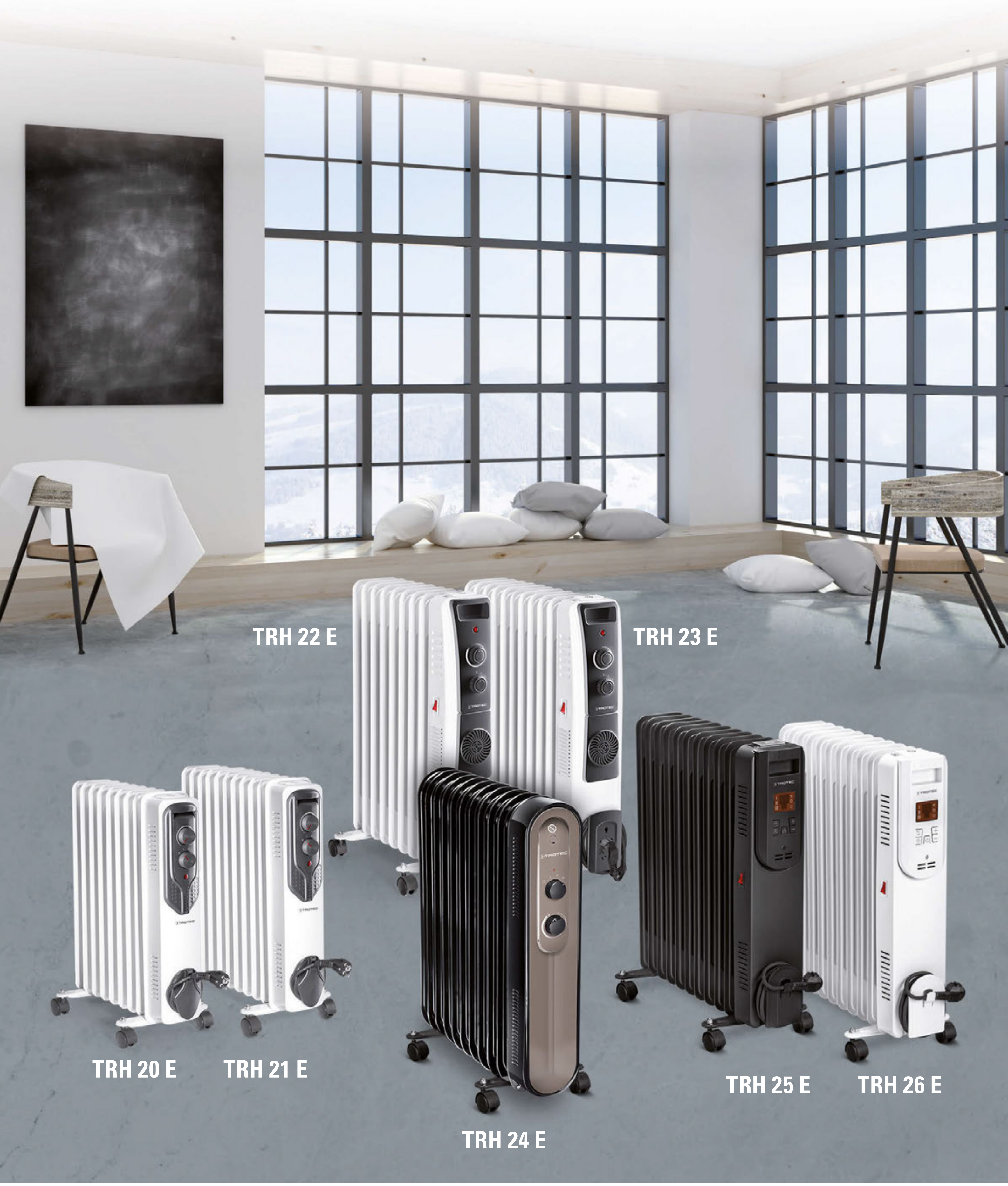
HIGH-QUALITY THERMAL WAVE HEATER WITH MICA ELEMENT

With its 3D heating system, the TCH 2050 E cleverly combines the advantages of a convector and those of an infrared radiator and in this way provides for real all-round warmth within less than one minute. The integrated mica heating elements give off infrared heat radiation to the front and the back across the whole surface. The functionality of infrared radiation follows the natural principle of the sun. It does not only heat the air, but the surfaces of the objects at which it is directed. Furthermore, the warm objects emit the heat to the room again, so that the warmth remains even when the thermal wave heater has already been switched off again. On the skin, infrared radiation creates the pleasant sensation of natural sunlight.

Additionally, the hot mica heating elements emit warm air that also rises upwards. This produces a soft air current that distributes the warmth homogenously in the whole room. This principle is referred to as convection. The infrared radiation and the convection heat together form a three-dimensional all-round heating system. For quick feel-good warmth in the whole room!

OIL-FILLED RADIATORS OF THE TRH-E SERIES

GREAT HEATING CAPACITY AT LITTLE COST


TRH 22 E
TRH 23 E
TRH 20 E
TRH 21 E
TRH 25 E
TRH 26 E
TRH 24 E

Oil-filled radiators with a heating capacity of **up to 2,500 W**

TRH 20 E

- Heating capacity of up to 2,000 W for quick and cosy warmth
- 3 heating levels (800 W / 1,200 W / 2,000 W)
- Effective 9-fin radiator
- Short heating time: maximum heat output after only 10 minutes
- Heat accumulator with liquid heating medium: prolonged heat radiation even after switch-off
- Steplessly adjustable thermostat
- Frost monitor function
- Noiseless heating
- Maximum security thanks to overheating and tilt protection
- Operation indicator light
- Practical cable winder for quick organization
- Integrated castors and carrying handle for safe transport even when hot

TRH 21 E

- Heating capacity of up to 2,500 W for quick and cosy warmth
- 3 heating levels (1,000 W / 1,500 W / 2,500 W)
- Effective 11-fin radiator
- Short heating time: maximum heat output after only 8 minutes
- Heat accumulator with liquid heating medium: prolonged heat radiation even after switch-off
- Steplessly adjustable thermostat
- Frost monitor function
- Noiseless heating
- Maximum security thanks to overheating and tilt protection
- Operation indicator light
- Practical cable winder for quick organization
- Integrated castors and carrying handle for safe transport even when hot

TRH 22 E

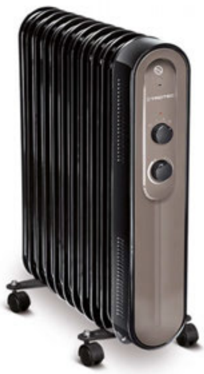
- Heating capacity of up to 2,000 W for quick and cosy warmth
- 3 heating levels (800 W / 1,200 W / 2,000 W)
- Effective 9-fin radiator
- Short heating time: maximum heat output after only 10 minutes
- Heat accumulator with liquid heating medium: prolonged heat radiation even after switch-off
- On-demand turbo blower with PTC heating element for faster initial heating
- Steplessly adjustable thermostat
- Frost monitor function
- Noiseless heating
- Maximum security thanks to overheating and tilt protection
- Operation indicator light
- Practical cable winder with plug holder for quick organization
- Integrated castors and carrying handle for safe transport even when hot

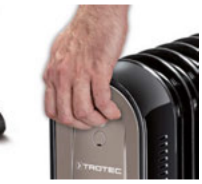
TRH 23 E

- Heating capacity of up to 2,500 W for quick and cosy warmth
- 3 heating levels (1,000 W / 1,500 W / 2,500 W)
- Effective 11-fin radiator
- Short heating time: maximum heat output after only 8 minutes
- Heat accumulator with liquid heating medium: prolonged heat radiation even after switch-off
- On-demand turbo blower with PTC heating element for faster initial heating
- Steplessly adjustable thermostat
- Frost monitor function
- Noiseless heating
- Maximum security thanks to overheating and tilt protection
- Operation indicator light
- Practical cable winder with plug holder for quick organization
- Integrated castors and carrying handle for safe transport even when hot

Oil-filled radiators with a heating capacity of **up to 2,500 W**

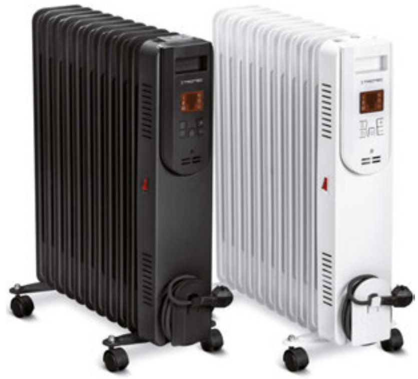
NEW





TRH 24 E

- Heating capacity of up to 2,200 W for quick and cosy warmth
- 3 heating levels (1,000 W / 1,200 W / 2,200 W)
- Effective 11-fin radiator
- Short heating time: maximum heat output after only 8 minutes
- Heat accumulator with liquid heating medium: prolonged heat radiation even after switch-off
- Thermostat-controlled automatic operation with target value preselection between 15 and 35 °C
- Automatic temperature control
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Noiseless heating
- Maximum security thanks to overheating and tilt protection
- Operating control lamp
- Integrated castors and carrying handle for safe transport even when hot



TRH 25 E / TRH 26 E

- Heating capacity of up to 2,500 W for quick and cosy warmth
- 3 heating levels (1,000 W / 1,500 W / 2,500 W)
- Effective 11-fin radiator
- Short heating time: maximum heat output after only 8 minutes
- Heat accumulator with liquid heating medium: prolonged heat radiation even after switch-off
- Thermostat-controlled automatic operation with target value preselection between 15 and 35 °C
- Automatic temperature control
- Timer function
- Energy-efficient operation thanks to automatic switch-off upon reaching the set value
- Noiseless heating
- Maximum security thanks to overheating and tilt protection
- Operation indicator light
- Practical cable winder for quick organization
- Integrated castors and carrying handle for safe transport even when hot

FUNCTIONAL PRINCIPLE OF A TYPICAL OIL-FILLED RADIATOR

Why is a radiator filled with oil and not with water? The reason for this is the fact that water expands when it is heated, and that it does not store heat quite as well. The thermal oil used in radiators, in contrast, has a much higher storage capacity. Even after the oil-filled radiator is switched off, it gives off heat for another good half an hour. Since thermal oil is also a good insulator, heating resistors can be directly immersed in the oil, which makes the heat exchange again more effective. Then there is also the weight, because oil is lighter than water. This makes oil-filled radiators considerably more light-weight and easy to transport. Oil-filled radiators are designed for continuous use since they can fully substitute a wall radiato.

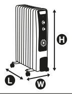
Selectable turbo blower

Since oil-filled radiators are rather sluggish as compared to fan heaters with regard to their heat generation during start-up, there are also combinations of an oil-filled radiator and a small fan heater available. A faster and more effective initial heating of the room can be achieved by using a turbo blower equipped with an additional PTC heating element that can be switched on separately. This way, the room is heated up quickly until the thermal oil has reached its temperature and can develop its full heating capacity.

Optimal usage of oil-filled radiators

Oil-filled radiators provide cosy warmth in the room and are perfectly suited for heating garages as well as basements or attics. In doing so, they are more efficient and cleaner than fan heaters and at the same time faster than normal heating systems. They work without a fan, which means that they do not whirl up any dust and are therefore allergy friendly. And they usually develop their maximum heat output within a quarter of an hour. Oil-filled radiators are suited as noiseless and safe on-demand heaters and also as ground heaters, for instance to prevent pipelines from freezing. The devices are positioned on wheels and are very light-weight and mobile. Purchasing an oil-filled radiator is a worthwhile and affordable choice: if, for example, your central heating system fails all of a sudden, you will have a heating device immediately to hand and do not have to endure the cold.

Oil-filled radiators with a heating capacity of **up to 2,500 W**

Overview: **Oil-filled radiators of the TRH-E series with a heating capacity of up to 2,500 W**							
Technical data		**TRH 20 E**	**TRH 21 E**	**TRH 22 E**	**TRH 23 E**	**TRH 24 E**	**TRH 25 E / 26 E**
Article number	Black	–	–	–	–	1.410.000.717	1.410.000.720
	White	1.410.000.710	1.410.000.711	1.410.000.715	1.410.000.716	–	1.410.000.721
Suitable for rooms sized up to		25 m² / 60 m³	30 m² / 75 m³	25 m² / 60 m³	30 m² / 75 m³	22 m² / 55 m³	30 m² / 75 m³
Heating capacity	Stage 1	0.8 kW	1 kW	0.8 kW	1 kW	1 kW	1 kW
	Stage 2	1.2 kW	1.5 kW	1.2 kW	1.5 kW	1.2 kW	1.5 kW
	Stage 3	2 kW	2.5 kW	2 kW	2.5 kW	2.2 kW	2.5 kW
Input voltage		220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 - 60 Hz	220 - 240 V/ 50 Hz	220 - 240 V/ 50 - 60 Hz
Nominal current consumption		8.7 A	10.9 A	10.4 A	12.6 A	9.5 A	10.9 A
IP type of protection		IP20	IP20	IP20	IP20	IP20	IP20
Electric connection	Plug type	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7
	Cable length	1.4 m	1.4 m	1.4 m	1.4 m	1.8 m	1.4 m
Sound level without / with turbo blower		– / –	– / –	– / 48 dB(A)	– / 48 dB(A)	– / –	– / –
Length		390 mm	480 mm	420 mm	490 mm	442 mm	470 mm
Width		235 mm	235 mm	240 mm	235 mm	240 mm	240 mm
Height		558 mm	548 mm	650 mm	635 mm	639 mm	600 mm
Weight		6 kg	8 kg	9 kg	10 kg	9.5 kg	9.5 kg
Equipment and functions		TRH 20 E	TRH 21 E	TRH 22 E	TRH 23 E	TRH 24 E	TRH 25 E / 26 E
Heating levels		3	3	3	3	3	3
Number of heating fins		9	11	9	11	11	11
Steplessly adjustable thermostat		■	■	■	■	■	–
Adjustable multi-stage thermostat		–	–	–	–	–	■
Frost monitor function		■	■	■	■	■	–
Operating control lamp		■	■	■	■	■	■
Overheating protection		■	■	■	■	■	■
Tilt protection		■	■	■	■	■	■
Automatic switch-off upon reaching the set value		–	–	–	–	–	■
Current room temperature display		–	–	–	–	–	–
Selectable turbo blower		–	–	■	■	–	–
Timer function		–	–	–	–	–	■
Infrared remote control		–	–	–	–	–	■
Cable winder / with plug holder		■ / ■	■ / ■	■ / ■	■ / ■	– / –	■ / –

FROST MONITOR FUNCTION

Ideal for short-term property vacancies or temporarily used rooms.

Using the stepless thermal control of our mobile oil-filled radiators you can also operate the devices in frost monitor operating mode. The heating device is then automatically activated by a thermostat to protect the rooms from frost and prevent excessive cooling.

Functioning as frost guards, the oil-filled radiators are not only ideally suited for landlords and real estate companies – they also offer benefits for private and business people, who can thus keep vacant rooms and garages free from frost. Particularly rooms, conservatories or cellars which are not connected to a central heating system can be kept warm reliably in this way.

INFRARED HEATING PANELS OF THE TIH-S SERIES

MODERN HEATING TECHNOLOGY WITH AN APPEALING DESIGN

TIH 1100 S
TIH 900 S
TIH 700 S
TIH 500 S
TIH 400 S
TIH 300 S

Infrared heating panels with a heating capacity of **up to 1,100 W**

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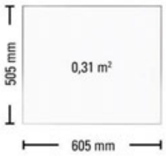

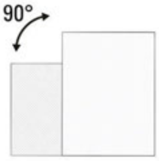

TIH 300 S

- Efficient heating procedure with environmentally friendly IR-C radiation
- Heat transport via light waves – direct object heating without convective loss
- Maximum efficiency: 100 % of the electrical energy input is converted into heat output
- Clean warmth – no noise, no odour, no condensate, no oxygen consumption, no unpleasant dust circulation
- Integrated suspension device for mounting on a wall or on assembly supports
- Can also be positioned on the floor
- Ready for immediate use – no additional installations or expensive modifications required

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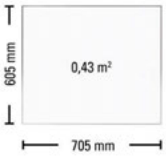
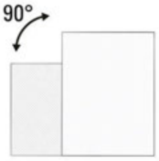
ID 1419034769





TIH 400 S

- Efficient heating procedure with environmentally friendly IR-C radiation
- Heat transport via light waves – direct object heating without convective loss
- Maximum efficiency: 100 % of the electrical energy input is converted into heat output
- Clean warmth – no noise, no odour, no condensate, no oxygen consumption, no unpleasant dust circulation
- Integrated suspension device for mounting on a wall or on assembly supports
- Can also be positioned on the floor
- Ready for immediate use – no additional installations or expensive modifications required

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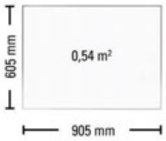
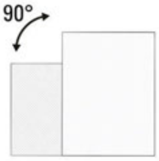
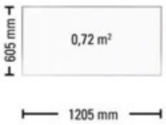


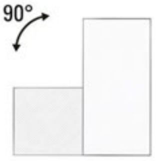


TIH 500 S

- Efficient heating procedure with environmentally friendly IR-C radiation
- Heat transport via light waves – direct object heating without convective loss
- Maximum efficiency: 100 % of the electrical energy input is converted into heat output
- Clean warmth – no noise, no odour, no condensate, no oxygen consumption, no unpleasant dust circulation
- Integrated suspension device for mounting on a wall or on assembly supports
- Can also be positioned on the floor
- Ready for immediate use – no additional installations or expensive modifications required

www.tuv.com
ID 1419034769

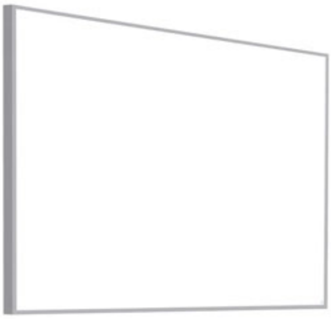


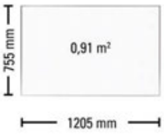


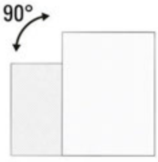
TIH 700 S

- Efficient heating procedure with environmentally friendly IR-C radiation
- Heat transport via light waves – direct object heating without convective loss
- Maximum efficiency: 100 % of the electrical energy input is converted into heat output
- Clean warmth – no noise, no odour, no condensate, no oxygen consumption, no unpleasant dust circulation
- Integrated suspension device for mounting on a wall or on assembly supports
- Can also be positioned on the floor
- Ready for immediate use – no additional installations or expensive modifications required

Infrared heating panels with a heating capacity of **up to 1,100 W**

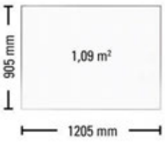


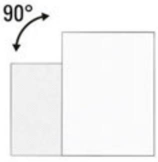




TIH 900 S

- Efficient heating procedure with environmentally friendly IR-C radiation
- Heat transport via light waves – direct object heating without convective loss
- Maximum efficiency: 100 % of the electrical energy input is converted into heat output
- Clean warmth – no noise, no odour, no condensate, no oxygen consumption, no unpleasant dust circulation
- Integrated suspension device for mounting on a wall or on assembly supports
- Can also be positioned on the floor
- Ready for immediate use – no additional installations or expensive modifications required





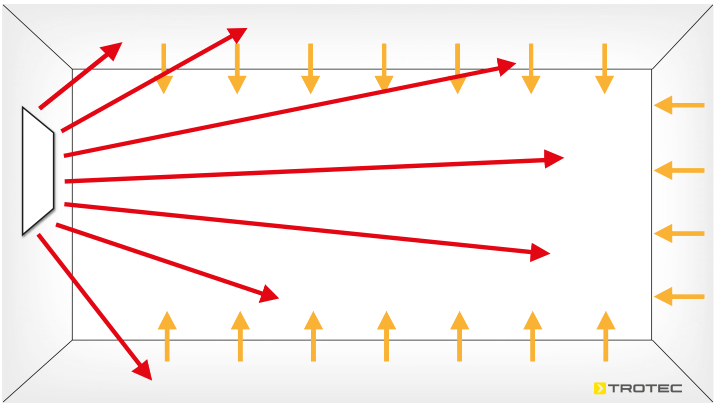
TIH 1100 S

- Efficient heating procedure with environmentally friendly IR-C radiation
- Heat transport via light waves – direct object heating without convective loss
- Maximum efficiency: 100 % of the electrical energy input is converted into heat output
- Clean warmth – no noise, no odour, no condensate, no oxygen consumption, no unpleasant dust circulation
- Integrated suspension device for mounting on a wall or on assembly supports
- Can also be positioned on the floor
- Ready for immediate use – no additional installations or expensive modifications required

THIS IS HOW INFRARED HEATING WORKS IN INTERIOR SPACES

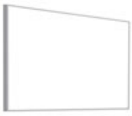
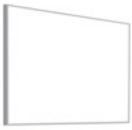
Infrared rays cannot heat up the room air directly but they heat up all objects inside the room, which will then permanently emit the stored thermal energy into the room, similar to a tiled stove.

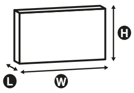
In contrast to classical convection heatings, this indirect heating method thus warms up objects instead of directly warming up the room air. The latter cannot, in principle, store the warmth itself, but can only transport them to objects, which entails high energy losses on the one hand and, on the other hand, causes dust circulation which can be completely avoided when using an infrared heating.



Infrared heating panels with a heating capacity of **up to 1,100 W**

Overview:
Infrared heating panels of the TIH-S series up to 1,100 W heating capacity

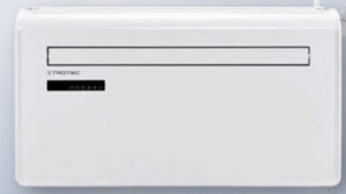



Technical data		**TIH 300 S**	**TIH 400 S**	**TIH 500 S**	**TIH 700 S**	**TIH 900 S**	**TIH 1100 S**
Article number		1.410.003.008	1.410.003.010	1.410.003.012	1.410.003.014	1.410.003.016	1.410.003.018
Heating capacity		300 W	450 W	580 W	700 W	900 W	1.100 W
Effective range		0.31 m²	0.43 m²	0.54 m²	0.72 m²	0.91 m²	1.09 m²
Input voltage		230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
Nominal current consumption		1.3 A	2 A	2.6 A	3.2 A	3.9 A	4.8 A
IP type of protection		IP54	IP54	IP54	IP54	IP54	IP54
Electric connection	Plug type	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7	CEE 7/7
	Cable length	1.9 m	1.9 m	1.9 m	1.9 m	1.9 m	1.9 m
Length		22 mm	22 mm	22 mm	22 mm	22 mm	25 mm
Width		605 mm	705 mm	905 mm	1,205 mm	1,205 mm	1,205 mm
Height		505 mm	605 mm	605 mm	605 mm	755 mm	905 mm
Weight		2.5 kg	3.5 kg	5 kg	5.5 kg	6 kg	7 kg
Accessories		TIH 300 S	TIH 400 S	TIH 500 S	TIH 700 S	TIH 900 S	TIH 1100 S
Set of 2 feet		1.410.003.001	1.410.003.001	–	–	–	–
Set of 2 feet		–	–	1.410.003.099	1.410.003.099	1.410.003.099	1.410.003.099
Assembly support fastening clamps		1.410.003.004	1.410.003.004	1.410.003.004	1.410.003.004	1.410.003.004	1.410.003.004
Socket thermostat BN30		6.100.007.009	6.100.007.009	6.100.007.009	6.100.007.009	6.100.007.009	6.100.007.009
Radio-controlled socket thermostat BN35		6.100.007.008	6.100.007.008	6.100.007.008	6.100.007.008	6.100.007.008	6.100.007.008
Transport bag		–	–	–	1.410.003.005	–	–

PORTABLE COMFORT AIR CONDITIONERS

ULTIMATE CLIMATE IN OFFICES, WORKSHOPS OR AT HOME

AIR CONDITIONER WITHOUT EXTERNAL UNIT



PAC-W 2600 SH

PRACTICAL KNOWLEDGE GUIDE
ROOM COOLING
TROTEC

A comprehensive overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at:

uk.trotec.com/air-condition-info

PAC 2010 SH

PAC 2100 X

PAC 2010 E

PAC 2600 X

PAC 2610 E

PAC 2610 S

PAC 3000 X A +

PAC 3500 SH

PAC 3500

PAC 3500 E

PAC 3500 S

PAC 3500 S

PAC 3500 S

PAC 3900 X

PAC 4600

Trotec
Dehumidification
Humidification
SecoSan
Air cleaning
Heating
Air conditioning
Air cooling
Ventilation
Cleaning
Accessories

TROTEC AIR HANDLING UNITS FOR MOBILE AIR CONDITIONING

Heat and stuffy air reduce our efficiency and ability to concentrate. A remedy provide the air conditioners of the PAC series. Instead of installing expensive stationary air conditioning systems, with a mobile air conditioner you can generate welcome cool air exactly where needed.

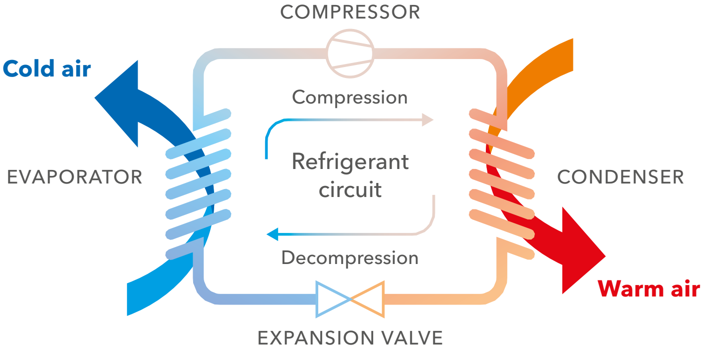
PAC air conditioners refrigerate and dehumidify the room air and ensure your well-being in offices, doctor's offices, boutiques, galleries, holiday homes, living or bedrooms – and wherever else a pleasant room climate is of significance.
Furthermore, the air conditioners additionally function as powerful dehumidifiers. Hence, damp walls, musty smells, rust, condensation water and mould formation is prevented.

MOBILE AIR CONDITIONING SYSTEMS – CONVENIENT REFRIGERATION SYSTEMS

All air conditioners of our PAC series cool the room air with the help of a powerful compression refrigeration system. A refrigerant is led through two heat exchangers – a condenser and an evaporator.

By means of a compressor and an expansion valve, the refrigerant is exposed to changing pressures within this closed circuit, which results in the gas heating up during compression and cooling down during decompression. The heat is discharged to the outside at the condenser, and the cold is blown into the room at the evaporator.

Dehumidification at the same time
Since the air can cool down to below its dew point at the evaporator, humidity contained in the air condenses simultaneously. This means that the air is not only cooled but also dehumidified, which promotes personal well-being and creates a more pleasant room climate, since stuffy humid air is generally perceived as unpleasant.



GOING STRONG IN EVERY RESPECT – MOBILE AIR CONDITIONERS FROM TROTEC

Instead of installing expensive stationary air conditioning systems in many different rooms, with a mobile air handling unit from Trotec you can generate welcome cool air exactly where needed.

How much power is required to cool my room?

The rule of thumb:
Every cubic metre of room volume requires a cooling capacity of 30 watts.

The required cooling capacity can quickly and easily be determined with this rule. Sample calculation for a room with 35 m² of floor space and a room height of 2.5 m:

35 m² x 2.5 m room height =
87.5 m³ cubature x
30 watts = 2,625 watts

This is only a rough calculation formula for typical living and office spaces. The required cooling capacity further depends on the room's "thermal load": insolation, insulation, the number of persons and heat sources also play a role in the selection of an air conditioner.

Exception attic flats
In attic rooms it is more difficult to determine the precise cooling capacity, since the user often doesn't know about the exact roof insulationt.

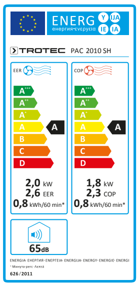
Which is why we recommend adding ten per cent to the determined cooling capacity for good measure, especially in old buildings.

Experience has shown that one can take a power of 50 to 60 watts per cubic metre room air as a basis. In case of very poorly insulated roofs and many skylights, still more.

Our consultants will gladly assist you in calculating the cooling load for your individual requirements!

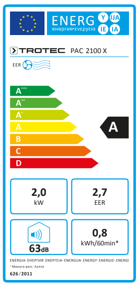
An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Comfort air conditioners with a cooling capacity of **up to 9,000 Btu/h**


ENERG
TROTEC PAC 2010 SH
A
A
2,0 kW
2,6 EER
0,8 kWh/60 min*
1,8 kW
2,3 COP
0,8 kWh/60 min*
65dB
626/2011

PAC 2010 SH

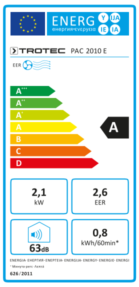
- Monobloc air conditioner
- 4-in-1 air conditioner: cooling, heating, ventilation, dehumidification
- Energy efficiency class A
- 2 kW / 7,000 Btu/h cooling capacity
- 1.8 kW heating capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Adjustable air discharge direction
- IR remote control
- 2 fan stages


ENERG
TROTEC PAC 2100 X
A
2,0 kW
2,7 EER
63dB
0,8 kWh/60min*
626/2011

FOLLOW ME FUNCTION

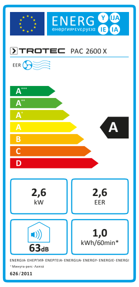
PAC 2100 X

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Automatic mode
- Energy efficiency class A
- 2 kW / 7,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- Practical LED display
- Temperature indication either in °C or in °F
- Control panel with easy-to-clean membrane keys
- Adjustable air discharge direction
- IR remote control with integrated temperature measurement (Follow Me function)
- 2 fan stages and automatic fan


ENERG
TROTEC PAC 2010 E
A
2,1 kW
2,6 EER
63dB
0,8 kWh/60min*
626/2011

PAC 2010 E

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Energy efficiency class A
- 2.1 kW / 7,200 Btu/h cooling capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Temperature indication either in °C or in °F
- Adjustable air discharge direction
- IR remote control
- 3 fan stages and automatic fan

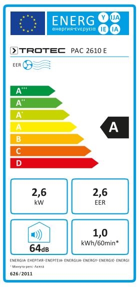

ENERG
TROTEC PAC 2600 X
A
2,6 kW
2,6 EER
63dB
1,0 kWh/60min*
626/2011

FOLLOW ME FUNCTION

PAC 2600 X

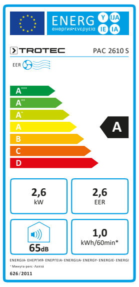
- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Automatic mode
- Energy efficiency class A
- 2.6 kW / 9,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- Practical LED display
- Temperature indication either in °C or in °F
- Control panel with easy-to-clean membrane keys
- Adjustable air discharge direction
- IR remote control with integrated temperature measurement (Follow Me function)
- 2 fan stages and automatic fan

Comfort air conditioners with a cooling capacity of **up to 9,000 Btu/h**



PAC 2610 E

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Energy efficiency class A
- 2.6 kW / 9,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Temperature indication either in °C or in °F
- Adjustable air discharge direction
- IR remote control
- 3 fan stages and automatic fan



PAC 2610 S

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Energy efficiency class A
- 2.6 kW / 9,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Adjustable air discharge direction
- IR remote control
- 2 fan stages

FEEL-GOOD CLIMATE ON 365 DAYS PER YEAR BY COMBINING COOLING AND HEATING FUNCTION

On hot summer days there is nothing more agreeable than having an air conditioner in your own four walls that provides the much longed-for cooling. And with a combination device for optional heating you can basically programme your own individual feel-good climate for the entire year. Especially in the time between seasons the daytime temperatures often fluctuate quite substantially. Comfort air conditioners with additional heating function such as the PAC 2010 SH or the PAC 3500 SH can not only provide cool refreshment to oppose midday heat, but also an agreeable warmth to counter the cool of the evening. All combined in just one device – ventilation and dehumidification included. The secret to this versatility lies in the functional principle of the integrated reversible heat pump. The refrigerant circuit of such devices can be reversed as needed.

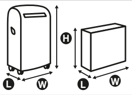
Instead of generating cool room air and in turn discharging hot process air to the outside, the reversed process means that now hot air is produced for the room whilst the colder process air is discharged into the open air. The process is reversed fully automatically, all you need to do is to set the desired target temperature at the device. Depending on the current room temperature the air conditioner automatically switches between cooling and heating function via thermostat control so as to maintain the preselected room temperature at all times.

By the way: Heating with these types of air conditioners is much more economical than using purely electric heating devices. Whilst the latter convert the electrical energy input virtually 1:1 into heat output, air conditioners with heating function operating in accordance with the heat pump principle come with a COP of more than 2. A coefficient of performance of 2.3 means that one kW of electrical power generates a heat output of 2.3 kW.

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Comfort air conditioners with a cooling capacity of **up to 9,000 Btu/h**

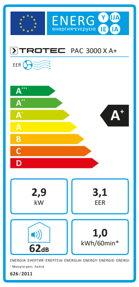
Overview:
Comfort air conditioners of the PAC series with a cooling capacity of up to 9,000 Btu/h

Technical data		**PAC 2010 SH**	**PAC 2100 X**	**PAC 2010 E**	**PAC 2600 X**	**PAC 2610 E**	**PAC 2610 S**
Article number		1.210.002.013	1.210.002.012	1.210.002.006	1.210.002.020	1.210.002.021	1.210.002.022
Suitable for rooms sized up to approx.		26 m^2 / 65 m^3	26 m^2 / 65 m^3	26 m^2 / 65 m^3	34 m^2 / 85 m^3	34 m^2 / 85 m^3	34 m^2 / 85 m^3
Device type		Monobloc	Monobloc	Monobloc	Monobloc	Monobloc	Monobloc
Max. cooling capacity	[kW/h]	2 kW	2 kW	2.1 kW	2.6 kW	2.6 kW	2.6 kW
	[Btu/h]	7,000 Btu/h	7,000 Btu/h	7,200 Btu/h	9,000 Btu/h	9,000 Btu/h	9,000 Btu/h
Max. air flow rate		320 m^3/h	319 m^3/h	320 m^3/h	295 m^3/h	330 m^3/h	320 m^3/h
Dehumidifying capacity max.		0.8 l/h	1.8 l/h	1 l/h	2.1 l/h	1.4 l/h	0.8 l/h
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	230 V/50 Hz	220 - 240 V/50 Hz	230 V/50 Hz	220 - 240 V/50 Hz
Max. power input		0.8 kW	1 kW	0.8 kW	1.3 kW	1.2 kW	1 kW
Type of refrigerant *		R290	R290	R290	R290	R290	R290
Amount of refrigerant *		140 g	130 g	160 g	170 g	220 g	160 g
GWP factor *		3	3	3	3	3	3
CO_2 equivalent *		0.00042 t	0.00039 t	0.00048 t	0.00051 t	0.00066 t	0.00048 t
Sound pressure level (Abstand 1 m)	Internal unit	≤53 dB(A)	≤53 dB(A)	≤51 dB(A)	≤53 dB(A)	≤53 dB(A)	≤53 dB(A)
	External unit	–	–	–	–	–	–
Noise emission according to EN ISO 3745:2012	Internal unit	65 dB(A)	63 dB(A)	63 dB(A)	63 dB(A)	64 dB(A)	65 dB(A)
	External unit	–	–	–	–	–	–
Exhaust air hose, length / Ø		1,500 mm / 150 mm	1,500 mm / 148 mm	1,500 mm / 142 mm	1,500 mm / 148 mm	1,500 mm / 142 mm	1,500 mm / 150 mm
Connection line, length		–	–	–	–	–	
Length internal / external unit		300 / – mm	355 / – mm	370 / – mm	355 / – mm	370 / – mm	300 / – mm
Width internal / external unit		320 / – mm	345 / – mm	300 / – mm	345 / – mm	300 / – mm	320 / – mm
Height internal / external unit		700 / – mm	703 / – mm	770 / – mm	703 / – mm	770 / – mm	700 / – mm
Weight internal / external unit		21 / – kg	22.5 / – kg	24.5 / – kg	25 / – kg	27.5 / – kg	23.5 / – kg
Equipment and functions		PAC 2010 SH	PAC 2100 X	PAC 2010 E	PAC 2600 X	PAC 2610 E	PAC 2610 S
Dehumidification function		■	■	■	■	■	■
Heating function		■	–	–	–	–	–
Ventilation function (ventilation without cooling operation)		■	■	■	■	■	■
Water-air cooling		–	–	–	–	–	–
Fan stages		2	2	3	2	3	2
Automatic function (fully automatic operation)		■	■	■	■	■	–
Adjustable air discharge direction	Manual	■	■	■	■	■	■
	Swing function	–	–	–	–	–	–
Infrared remote control / storage compartment		■ / –	■ / –	■ / ■	■ / –	■ / ■	■ / –
Control panel with membrane keys		■	■	■	■	■	■
Display		LED	LED	LED	LED	LED	LED
Microprocessor-controlled operation		■	■	■	■	■	■
Automatic fault diagnosis system		■	■	■	■	■	■
Night mode		–	■	■	■	■	–
Timer function		■	■	■	■	■	■
Room thermostat with temperature indication		–	■	■	■	■	■
Anti-bacterial filter for improving the air quality	Standard (washable)	■	■	■	■	■	■
	Activated carbon	–	–	–	–	–	–
Sliding window sealing set		■	–	–	–	–	■
Cable holder / cable storage compartment		– / –	– / –	■ / –	– / –	■ / –	– / –
Wheels internal / external unit		■ / –	■ / –	■ / –	■ / –	■ / –	■ / –
Carrying handles internal / external unit		■ / –	■ / –	■ / –	■ / –	■ / –	■ / –
Quick coupling for the connection of internal / external unit		–	–	–	–	–	–
Accessories		PAC 2010 SH	PAC 2100 X	PAC 2010 E	PAC 2600 X	PAC 2610 E	PAC 2610 S
AirLock 100 window seal		6.100.002.001	6.100.002.001	6.100.002.001	6.100.002.001	6.100.002.001	6.100.002.001
AirLock 1000 door and window seal		6.100.002.004	6.100.002.004	6.100.002.004	6.100.002.004	6.100.002.004	6.100.002.004
PAC window adapter		6.100.000.038	6.100.000.038	6.100.000.038	6.100.000.038	6.100.000.038	6.100.000.038
Hose clamp for window adapter		6.100.009.083	6.100.009.083	–	6.100.009.083	–	6.100.009.083
Radio-controlled socket thermostat BN35		–	6.100.007.008	–	6.100.007.008	–	–

* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

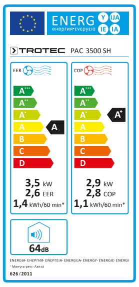
Comfort air conditioners with a cooling capacity of **up to 14,500 Btu/h**


ENERG
TROTEC PAC 3000 X A+
A+
2,9 kW
3,1 EER
62dB
1,0 kWh/60min*
626/2011

FOLLOW ME FUNCTION

PAC 3000 X A+

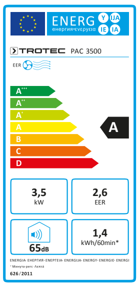
- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Automatic mode
- Energy efficiency class A+
- 2.9 kW / 10,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Swing function for optimum air distribution
- IR remote control with integrated temperature measurement (Follow Me function)
- 3 Fan stages


ENERG
TROTEC PAC 3500 SH
A
A
3,5 kW
2,6 EER
1,4 kWh/60 min*
2,9 kW
2,8 COP
1,1 kWh/60 min*
64dB
626/2011

FOLLOW ME FUNCTION

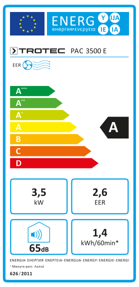
PAC 3500 SH

- Monobloc air conditioner
- 4-in-1 air conditioner: cooling, heating, ventilation, dehumidification
- Automatic mode
- Energy efficiency class A
- 3.5 kW / 12,000 Btu/h cooling capacity
- 2.9 kW heating capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Swing function for optimum air distribution
- IR remote control with integrated temperature measurement (Follow Me function)
- 3 Fan stages


ENERG
TROTEC PAC 3500
A
3,5 kW
2,6 EER
65dB
1,4 kWh/60min*
626/2011

PAC 3500

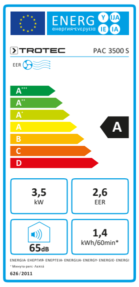
- Monobloc air conditioner
- High cooling capacity – immediately ready for operation
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Energy efficiency class A
- 3.5 kW / 12,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Temperature indication either in °C or in °F
- Adjustable air discharge direction
- IR remote control
- 3 Fan stages


ENERG
TROTEC PAC 3500 E
A
3,5 kW
2,6 EER
65dB
1,4 kWh/60min*
626/2011

PAC 3500 E

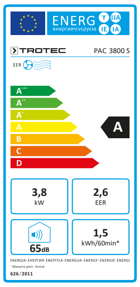
- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Energy efficiency class A
- 3.5 kW / 12,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- Illuminated LCD display
- Temperature indication either in °C or in °F
- Swing function for optimum air distribution
- IR remote control
- 3 Fan stages

Comfort air conditioners with a cooling capacity of **up to 14,500 Btu/h**


ENERG
TROTEC
PAC 3500 S
A
3,5 kW
2,6 EER
65dB
1,4 kWh/60min*
626/2011

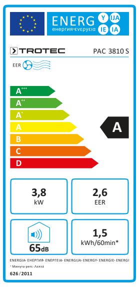
PAC 3500 S

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Automatic mode
- Energy efficiency class A
- 3.5 kW / 12,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- LED display
- Temperature indication either in °C or in °F
- Swing function for optimum air distribution
- IR remote control
- 3 Fan stages


ENERG
TROTEC
PAC 3800 S
A
3,8 kW
2,6 EER
65dB
1,5 kWh/60min*
626/2011

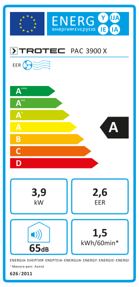
PAC 3800 S

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Automatic mode
- Energy efficiency class A
- 3.8 kW / 13,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- LED display
- Temperature indication either in °C or in °F
- Swing function for optimum air distribution
- IR remote control
- 3 Fan stages


ENERG
TROTEC
PAC 3810 S
A
3,8 kW
2,6 EER
65dB
1,5 kWh/60min*
626/2011

PAC 3810 S

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Automatic mode
- Energy efficiency class A
- 3.8 kW / 13,000 Btu/h cooling capacity
- Timer function
- Removable air filter
- LED display
- Temperature indication either in °C or in °F
- Swing function for optimum air distribution
- IR remote control
- 3 Fan stages

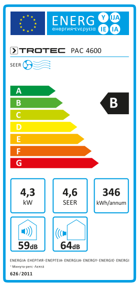

ENERG
TROTEC
PAC 3900 X
A
3,9 kW
2,6 EER
65dB
1,5 kWh/60min*
626/2011

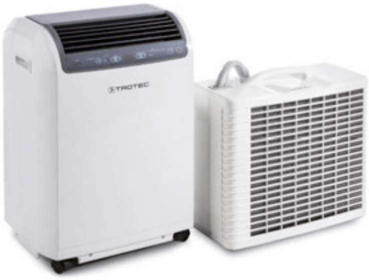
PAC 3900 X

- Monobloc air conditioner
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- Energy efficiency class A
- 3.9 kW / 13,300 Btu/h cooling capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Temperature indication either in °C or in °F
- Swing function for optimum air distribution
- IR remote control
- 3 Fan stages

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Comfort air conditioners with a cooling capacity of **up to 14,500 Btu/h**


ENERG
TROTEC PAC 4600
SEER
A
B
C
D
E
F
G
B
4,3 kW
4,6 SEER
346 kWh/annum
59dB
64dB
626/2011



PAC 4600

- Split air conditioner
- Compact design and minimum storage space
- 3-in-1 air conditioner: cooling, ventilation, dehumidification
- 4.3 kW / 14,500 Btu/h cooling capacity
- Timer function
- Removable air filter
- Control panel with easy-to-clean membrane keys
- Swing function for optimum air distribution
- Adjustable air discharge direction
- IR remote control
- 3 Fan stages

Trotec
Dehumidification
Humidification
SecoSan
Air cleaning
Heating
Air conditioning
Air cooling
Ventilation
Cleaning
Accessories

AIRLOCK
DOOR AND WINDOW SEALING

Monobloc air conditioning devices require the installation of air hoses, which often takes place via an open window gap. This makes the cooling uneconomical because permanently warm external air again flows in through the opening into the refrigerated space, and also uncomfortable and annoying since opening in this way gives insects uncontrolled access.

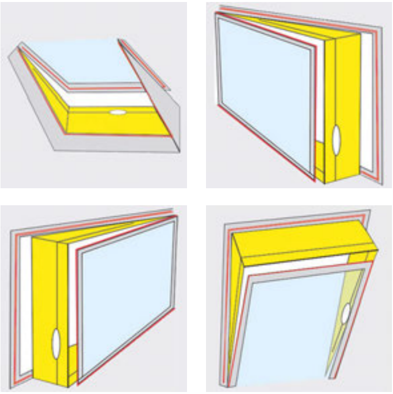
AirLock protects equally against the entry of hot air and insects

The AirLock has a zipper opening for the hose nozzle and can be mounted with a few simple steps between window and frame. Henceforth, these reliable practical helpers prevent backflow of warm exhaust air and the penetration of insects, wherein your window remains closable at all times even when the AirLock is mounted. Its translucent and water-resistant material has low thermal conductivity properties, the cooling efficiency is increased, thereby reducing energy costs.

Choose either the AirLock 100 with one zip or an AirLock 200 with two zip openings for all monobloc air conditioning units, which feature a ducted via a supply air hose. The Airlock 1000 is also equipped with two zipper openings and is suitable for balcony or patio doors.

By the way: The AirLock can also be used for other exhaust air carrying devices all year round.

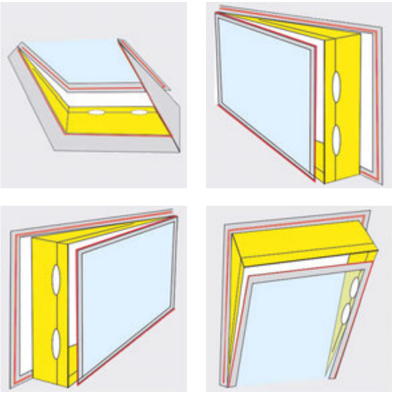
AirLock 100 / Article number 6.100.002.001



A few practical benefits:

- Increasing the cooling capacity, reducing the energy consumption
- Variably adaptable to all hose diameters
- Water-repellent and washable
- Prevents the penetration of warm outdoor air and insects
- Despite the seal the window can be closed without difficulty
- An investment that redeems itself in next to no time
- Simple self-assembly
- Disassembly leaving no traces

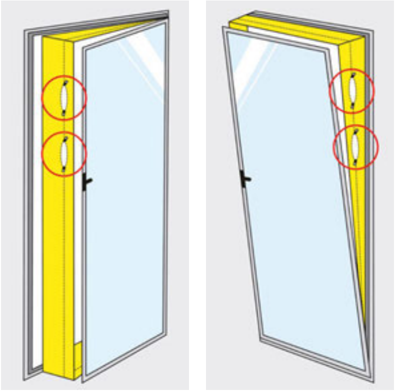
AirLock 200 / Article number 6.100.002.002



CONVINCING
MARKET LEADER QUALITY

No other window seal for air conditioners is sold more frequently in Europe than Trotec's AirLock. For a good reason: The AirLock, which was originally designed specifically for German tilt/turn windows, has also become highly popular in other European countries since the translucent but water-repellent material is characterized by high processing quality down to the seams and at the same time has low specific heat conduction characteristics, which reduces the energy demand of air conditioners considerably. This way, the AirLock virtually pays for itself in next to no time!

AirLock 1000 / Article number 6.100.002.004



AirLock 100 and AirLock 200

For all window types: casement, bottom hung or skylight windows – the AirLock 100 and also the AirLock 200 matches all the common window constructions with a maximum perimeter of 400 cm.

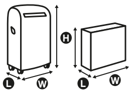
AirLock 1000

For patio and balcony doors or floor-to-ceiling windows – the Airlock 1000 fits all door structures with a maximum perimeter of 560 cm.

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Comfort air conditioners with a cooling capacity of **up to 14,500 Btu/h**

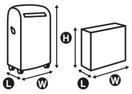
Overview:
Comfort air conditioners of the PAC series with a cooling capacity of up to 14,500 Btu/h

Technical data		**PAC 3000 X A+**	**PAC 3500 SH**	**PAC 3500**	**PAC 3500 E**	**PAC 3500 S**
Article number	White	1.210.002.040	1.210.002.104	1.210.002.101	1.210.002.103	1.210.002.105
	Silver	–	–	–	–	–
Suitable for rooms sized up to approx.		40 m² / 100 m³	46 m² / 115 m³	45 m² / 115 m³	46 m² / 115 m³	45 m² / 115 m³
Device type		Monobloc	Monobloc	Monobloc	Monobloc	Monobloc
Max. cooling capacity	[kW/h]	2.9 kW	3.5 kW	3.5 kW	3.5 kW	3.5 kW
	[Btu/h]	10,000 Btu/h	12,000 Btu/h	12,000 Btu/h	12,000 Btu/h	12,000 Btu/h
Max. air flow rate		420 m³/h	420 m³/h	440 m³/h	420 m³/h	340 m³/h
Dehumidifying capacity max.		3 l/h	3.25 l/h	3 l/h	1.2 l/h	1.3 l/h
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Max. power input		1.1 kW	1.6 kW	1.4 kW	1.4 kW	1.4 kW
Type of refrigerant *		R290	R290	R290	R290	R290
Amount of refrigerant *		200 g	230 g	300 g	265 g	226 g
GWP factor *		3	3	3	3	3
CO$_2$ equivalent *		0.0006 t	0.00069 t	0.0009 t	0.0008 t	0.00068 t
Sound pressure level (distance 1 m)	Internal unit	≤52 dB(A)	≤54,5 dB(A)	≤54 dB(A)	≤56 dB(A)	≤54 dB(A)
	External unit	–	–	–	–	–
Noise emission according to EN ISO 3745:2012	Internal unit	62 dB(A)	64 dB(A)	65 dB(A)	65 dB(A)	65 dB(A)
	External unit	–	–	–	–	–
Exhaust air hose, length / Ø		1,500 mm / 150 mm	1,500 mm / 150 mm	1,200 mm / 150 mm	1,500 mm / 150 mm	1,500 mm / 150 mm
Connection line, length		–	–	–	–	–
Length internal / external unit		467 / – mm	395 / – mm	388 / – mm	360 / – mm	335 / – mm
Width internal / external unit		397 / – mm	460 / – mm	435 / – mm	430 / – mm	410 / – mm
Height internal / external unit		765 / – mm	786 / – mm	770 / – mm	730 / – mm	715 / – mm
Weight internal / external unit		33 / – kg	34 / – kg	33 / – kg	29.5 / – kg	30 / – kg
Equipment and functions		PAC 3000 X A+	PAC 3500 SH	PAC 3500	PAC 3500 E	PAC 3500 S
Dehumidification function		■	■	■	■	■
Heating function		–	■	–	–	–
Ventilation function (ventilation without cooling operation)		–	■	■	■	■
Water-air cooling		–	–	–	–	–
Fan stages		3	3	3	3	3
Automatic function (fully automatic operation)		■	■	■	■	–
Adjustable air discharge direction	Manual	–	–	■	–	–
	Swing function	■	■	–	■	■
Infrared remote control / storage compartment		■ / –	■ / –	■ / –	■ / ■	■ / –
Control panel with membrane keys		■	■	■	–	■
Display		LED	LED	LED	LCD	LED
Microprocessor-controlled operation		■	■	■	■	■
Automatic fault diagnosis system		■	■	–	■	■
Night mode		■	■	–	■	■
Timer function		■	■	■	■	■
Room thermostat with temperature indication		■	■	■	■	■
Anti-bacterial filter for improving the air quality	Standard (washable)	■	■	■	■	■
	Activated carbon	–	–	–	–	–
Sliding window sealing set		–	–	–	■	–
Cable holder / cable storage compartment		■ / –	■ / –	– / –	■ / –	■ / –
Wheels internal / external unit		■ / –	■ / –	■ / –	■ / –	– / –
Carrying handles internal / external unit		■ / –	■ / –	■ / –	■ / –	– / –
Quick coupling for the connection of internal / external unit		–	–	–	–	–
Accessories		PAC 3000 X A+	PAC 3500 SH	PAC 3500	PAC 3500 E	PAC 3500 S
AirLock 100 window seal		6.100.002.001	6.100.002.001	6.100.002.001	6.100.002.001	6.100.002.001
AirLock 1000 door and window seal		6.100.002.004	6.100.002.004	6.100.002.004	6.100.002.004	6.100.002.004
PAC window adapter		6.100.000.038	6.100.000.038	6.100.000.038	6.100.000.038	6.100.000.038
Hose clamp for window adapter		6.100.009.083	6.100.009.083	6.100.009.083	6.100.009.083	6.100.009.083
Radio-controlled socket thermostat BN35		6.100.007.008	6.100.007.008	–	–	6.100.007.008

* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

Comfort air conditioners with a cooling capacity of **up to 14,500 Btu/h**

Overview:
Comfort air conditioners of the PAC series with a cooling capacity of up to 14,500 Btu/h

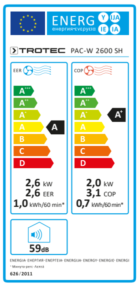
Technical data		**PAC 3800 S**	**PAC 3810 S**	**PAC 3900 X**	**PAC 4600**
Article number	White	1.210.002.131	–	1.210.002.130	1.210.000.021
	Silver	–	1.210.002.132	–	–
Suitable for rooms sized up to approx.		50 m² / 125 m³	50 m² / 125 m³	52 m² / 130 m³	48 m² / 120 m³
Device type		Monobloc	Monobloc	Monobloc	Split
Max. cooling capacity	[kW/h]	3.8 kW	3.8 kW	3.9 kW	4.3 kW
	[Btu/h]	13,000 Btu/h	13,000 Btu/h	13,300 Btu/h	14,500 Btu/h
Max. air flow rate		450 m³/h	450 m³/h	420 m³/h	550 m³/h
Dehumidifying capacity max.		1.5 l/h	1.5 l/h	3.7 l/h	1.8 l/h
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Max. power input		1.5 kW	1.5 kW	1.9 kW	1.37 kW
Type of refrigerant *		R290	R290	R290	R32
Amount of refrigerant *		226 g	226 g	280 g	970 g
GWP factor *		3	3	3	675
CO_2 equivalent *		0.00068 t	0.00068 t	0.00084 t	0.66 t
Sound pressure level (distance 1 m)	Internal unit	≤55 dB(A)	≤55 dB(A)	≤52,5 dB(A)	≤54 dB(A)
	External unit	–	–	–	–
Noise emission according to EN ISO 3745:2012	Internal unit	65 dB(A)	65 dB(A)	65 dB(A)	57 dB(A)
	External unit	–	–	–	62 dB(A)
Exhaust air hose, length / Ø		1,500 mm / 150 mm	1,500 mm / 150 mm	1,500 mm / 148 mm	–
Connection line, length		–	–	–	3,000 mm [1)]
Length internal / external unit		335 / – mm	335 / – mm	400 / – mm	335 / 230 mm
Width internal / external unit		410 / – mm	410 / – mm	470 / – mm	470 / 510 mm
Height internal / external unit		715 / – mm	715 / – mm	760 / – mm	695 / 490 mm
Weight internal / external unit		30 / – kg	30 / – kg	35 / – kg	38 / 12 kg
Equipment and functions		PAC 3800 S	PAC 3810 S	PAC 3900 X	PAC 4600
Dehumidification function		■	■	■	■
Heating function		–	–	–	–
Ventilation function (ventilation without cooling operation)		■	■	■	■
Water-air cooling		–	–	–	–
Fan stages		3	3	3	4
Automatic function (fully automatic operation)		■	■	■	■
Adjustable air discharge direction	Manual	–	–	–	–
	Swing function	■	■	■	■
Infrared remote control / storage compartment		■ / –	■ / –	■ / –	■ / –
Control panel with membrane keys		–	–	■	■
Display		LED	LED	LED	LED
Microprocessor-controlled operation		■	■	■	■
Automatic fault diagnosis system		■	■	■	■
Night mode		■	■	■	–
Timer function		■	■	■	■
Room thermostat with temperature indication		■	■	■	■
Anti-bacterial filter for improving the air quality	Standard (washable)	■	■	■	■
	Activated carbon	–	–	–	–
Sliding window sealing set		–	–	–	–
Cable holder / cable storage compartment		■ / –	■ / –	■ / –	■ / –
Wheels internal / external unit		– / –	■ / –	■ / –	■ / –
Carrying handles internal / external unit		– / –	– / –	■ / –	■ / ■
Quick coupling for the connection of internal / external unit		–	–	–	■
Accessories		PAC 3800 S	PAC 3810 S	PAC 3900 X	PAC 4600
AirLock 100 window seal		6.100.002.001	6.100.002.001	6.100.002.001	6.100.002.001
AirLock 1000 door and window seal		6.100.002.004	6.100.002.004	6.100.002.004	6.100.002.004
PAC window adapter		6.100.000.038	6.100.000.038	6.100.000.038	6.100.000.038
Hose clamp for window adapter		6.100.009.083	6.100.009.083	6.100.009.083	6.100.009.083
Radio-controlled socket thermostat BN35		6.100.007.008	6.100.007.008	–	–

* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

[1)] Not extendable, the effective length amounts to 2,300 mm

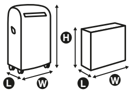
An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Air conditioner without external unit with a cooling capacity of **up to 9,000 Btu/h**



PAC-W 2600 SH

- Monobloc air conditioner
- 4-in-1 air conditioner: cooling, heating, ventilation, dehumidification
- Automatic operation
- 2.6 kW / 9,000 Btu/h cooling capacity
- 2 kW heating capacity
- Timer function
- Noiseless night operation in whisper mode
- Indication of the current room temperature via app
- Wi-Fi function for worldwide control
- Free "Trotec Assistent" app for temperature settings as well as all functions and operating modes
- Self-evaporation function with energy-saving technology
- Removable air filter
- LED display
- Swing function for optimum air distribution
- IR remote control
- 3 Fan stages

Technical data		**PAC-W 2600 SH**
Article number		1.211.000.020
Suitable for rooms sized up to approx.		34 m² / 85 m³
Device type		Monobloc
Max. cooling capacity	[kW/h]	2.6 kW
	[Btu/h]	9,000 Btu/h
Max. air flow rate		500 m³/h
Dehumidifying capacity max.		1.2 l/h
Input voltage		220 - 240 V/50 Hz
Max. power input		1 kW
Type of refrigerant *		R290
Amount of refrigerant *		290 g
GWP factor *		3
CO_2 equivalent *		0,00087 t
Sound pressure level (distance 1 m)	Internal unit	≤48 dB(A)
	External unit	–
Noise emission according to EN ISO 3745:2012	Internal unit	58 dB(A)
	External unit	–
Length internal / external unit		1,000 / – mm
Width internal / external unit		205 / – mm
Height internal / external unit		585 / – mm
Weight internal / external unit		38 / – mm
Equipment and functions		**PAC-W 2600 SH**
Dehumidification function		■
Heating function		■
Ventilation function (ventilation without cooling operation)		■
Fan stages		3
Automatic function (fully automatic operation)		–
Adjustable air discharge direction	Manual	–
	Swing function	■
Infrared remote control / storage compartment		■ / –
Control panel with membrane keys		■
Display		LED display
Microprocessor-controlled operation		–
Automatic fault diagnosis system		■
Night mode		■
Timer function		■
Room thermostat with temperature indication		–
Anti-bacterial filter for improving the air quality	Standard (washable)	■
	Activated carbon	–
Sliding window sealing set		–
Cable holder / cable storage compartment		– / –
Wheels internal / external unit		– / –
Carrying handles internal / external unit		– / –
Accessories		**PAC-W 2600 SH**
Radio-controlled socket thermostat BN35		6.100.007.008

* Functionally, this device contains a hermetic system with fluorinated greenhouse gas as a refrigerant in the specified specifications and with a greenhouse gas potential corresponding to the indicated GWP factor.

ELEGANT WALL-MOUNTED AIR CONDITIONER WITHOUT EXTERNAL UNIT WITH PRACTICAL WI-FI FUNCTION

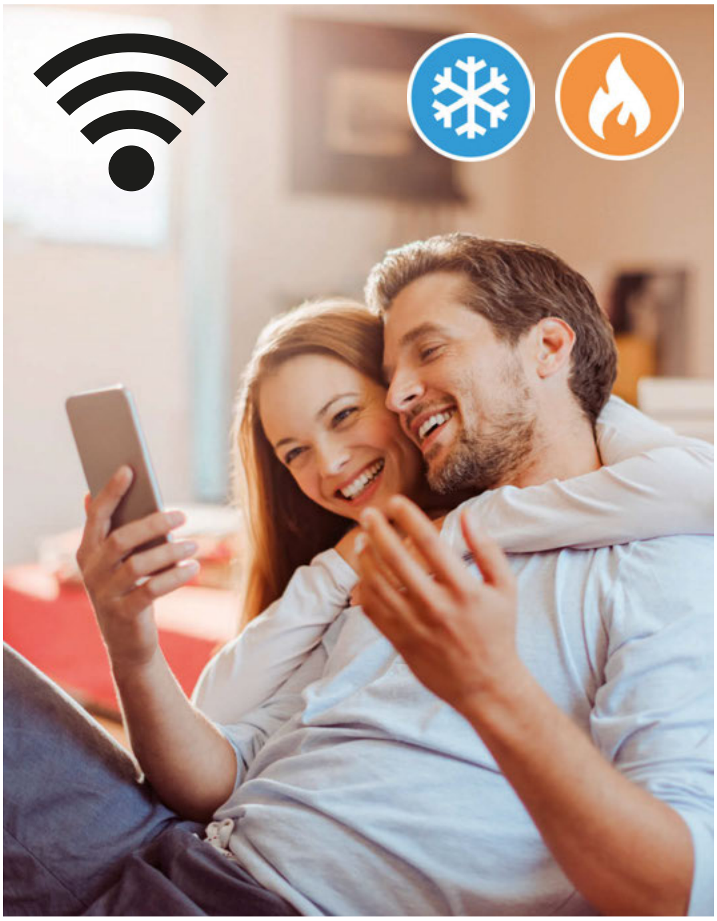
Monobloc air conditioners without an external unit can be easily and effortlessly mounted on the wall at foot or head height and always provide cool and pleasant feel-good temperatures on hot summer days.

All you have to do is drill two holes (ventilation slots) through the wall to guide the ventilation hoses to the outside, where they have to be covered with the ventilation flaps included in the scope of delivery. This is also a great alternative for rented flats, as there is no need to permanently install a large outdoor system serving as a heat exchanger.

Thanks to the proven inverter technology, energy costs can be reduced by up to 30 %, which is not only good news for the environment, but also for your wallet.

Furthermore, the slim and elegant design has nothing to hide and can be optimally integrated in any living space or office environment. The wall-mounted air conditioner PAC-W 2600 SH is also equipped with a heating and a dehumidification function, which can also be selected separately. This way, the smart and simple air conditioner cannot only be used in the hot summer, but all year round.

In addition, the PAC-W 2600 SH comes equipped with a Wi-Fi function and can thus be conveniently controlled via WLAN using the smartphone app. The current room temperature can also be read via the app. However, the air conditioner can be adjusted not only via the app, but also via the digital display or the IR remote control.



Free "Trotec Assistent" app
for temperature settings as well as all functions and operating modes.

GET IT ON Google Play
Download on the App Store

Available in your App Store!

INVERTER AIR CONDITIONERS OPERATE QUIETLY AND ENERGY-EFFICIENTLY

The great advantage of a monobloc air conditioner without an external unit with inverter technology is that the temperature is continuously controlled.

Strong fluctuations in the room temperature are thus prevented. This means that the less the device has to readjust the temperature, the lower the noise emission and energy consumption.

The PAC-W 2600 SH always maintains the temperature at the desired level without having to cool the room temperature back down to the preset target temperature, which would consume a lot of power.

The noise level and power consumption of the wall-mounted air conditioner can be reduced to a minimum thanks to the operating principle of this technology.

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

AIR COOLERS OF THE PAE SERIES

MOBILE AIR CONDITIONING RESULTING FROM EFFICIENT EVAPORATION COOLING

PRACTICAL KNOWLEDGE GUIDE
TROTEC

A comprehensive overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at:

uk.trotec.com/air-condition-info

PAE 11

PAE 12

PAE 21

PAE 22

PAE 25

PAE 29

PAE 30

PAE 31

PAE 40

PAE 45

reddot
iF
DESIGN AWARD 2018
PAE 49 / PAE 50

PAE 51

PAE 60 / PAE 61

PAE 80 / PAE 81

ADIABATIC COOLING WITH MOBILE AIR COOLERS

The cooling with air coolers is a completely natural and inexpensive cooling method without high energy requirements of an air conditioner for the cooling process.

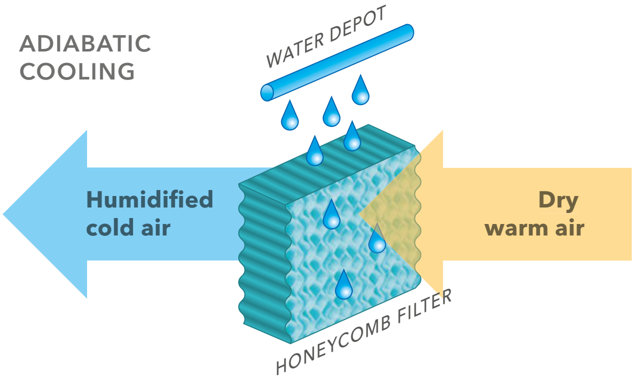
But an air cooler is therefore also no air conditioner, regardless of temperature and humidity, cold air is generated. An air conditioner produces cold, dehumidified, i.e. dry cold air. However, an air cooler uses the principle of evaporative moist cooling air. Depending on the humidity and temperature an air cooler can, regardless of the model and the type, cool down the outlet air temperature by a few degrees C.

Air coolers are only suitable for small spaces and dry climates, because the efficiency cannot be raised so simply like by that of an air conditioner. In addition, each user of an air cooler should be clear that this is not able to cool down a room of 30 °C to 23 °C.

Air coolers are most effective in rooms with dry air and those that are able to drop in temperature with an air saturation limit. The devices work by direct cooling, i.e. they change the air directly to moisture. This has, at the same time, the consequence due to this process, the humidity in the room rises noticeably, which is not always desired.

During winter, they increase the humidity because of the dry, heated air. Air coolers are therefore used throughout the year: in the summer as evaporative air coolers, in winter as a humidifier.

A big advantage of air coolers however, is that they have no exhaust hose for hot air, like all mobile air conditioning! This does not have to be placed through a window, a door or a wall opening. That makes air coolers extremely flexible and easy to handle since they only have to be installed and turned on, no matter where.



The physical principle of adiabatic cooling with mobile air coolers

SOME BASICS ABOUT COOLING TECHNOLOGY FOR A BETTER UNDERSTANDING:

With air coolers and air conditioners the situation is much like that of a bike and a car. At first sight, both seem to serve the same purpose, yet technically these are completely different systems that allow not direct comparison with one another.

Air coolers, such as the PAE 25, are direct evaporation air coolers and unlike air conditioners do not come equipped with a cooling unit (like a fridge). Air coolers use the natural principle of water evaporation to cool the room air. Everyone knows this cooling effect, for example from sweat evaporation or cooler air in the vicinity of water falls, rivers and lakes.

A principally similar method is often applied out of doors (outdoor cafés, marquees etc.). A fine jet of water is guided in front of the air current of a fan resulting in an ultra-fine spray mist. During this dispersal to create a sort of atomized spray the droplets evaporate and in doing so cool the air slightly by a few degrees. The result is a more agreeable climate in this bedrizzled area.

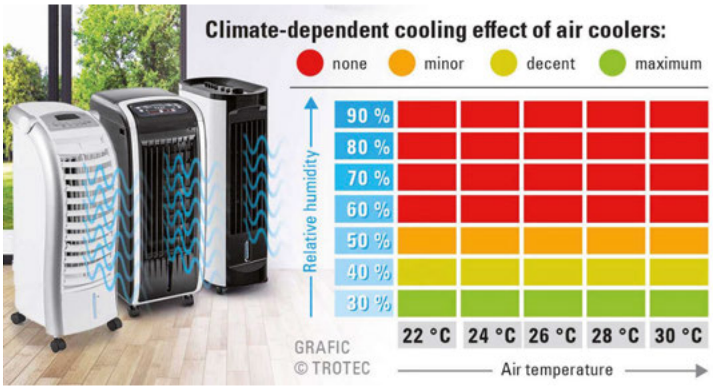
Air coolers only operate efficiently in rooms containing rather dry air (less than 40 % RH) and they can only reduce the temperature until reaching the air saturation limit, for example from 25 °C/50 % RH to a theoretical value of maximally 18 °C/98 % RH. Albeit, this temperature difference is a mere theory and not relevant in practice, for with a relative humidity level of 98 % in the room the perceived climate would be extremely muggy and sweltering (see comfort chart).

Ordinarily, the mobile air coolers of the PAE series can be used to achieve temperature differences of 1 - 3 °C in smaller rooms without increasing the humidity to a disagreeably high level – depending on initial humidity level and temperature.

The efficiency of air coolers depends on various factors such as the fan performance and the surface area of the evaporation filter. As can be seen from the theoretical example values, the use of direct coolers simultaneously causes the humidity level in the room to rise perceptibly for process-related reasons, which is not always desirable. An increasing humidity level also reduces the devices' cooling capacity.

Consequently, the cooling efficiency of air coolers is directly dependent on the overall weather conditions: Air coolers accomplish maximum efficiency in hot and dry air. Sticky hot conditions on the other hand allow for hardly any cooling. Yet worse: Owing to the additional humidification of the already very humid air, the room climate is perceived as even more unpleasant.

Seeing as this circumstance is caused by the process, it concerns all air coolers on the market, although some competitors' offers suggest otherwise.



Climate-dependent cooling effect of air coolers:

🟥 none 🟧 minor 🟨 decent 🟩 maximum

Relative humidity	22 °C	24 °C	26 °C	28 °C	30 °C
90 %	🟥	🟥	🟥	🟥	🟥
80 %	🟥	🟥	🟥	🟥	🟥
70 %	🟥	🟥	🟥	🟥	🟥
60 %	🟥	🟥	🟥	🟥	🟥
50 %	🟧	🟧	🟧	🟧	🟧
40 %	🟨	🟨	🟨	🟨	🟨
30 %	🟩	🟩	🟩	🟩	🟩

Air temperature

GRAFIC
© TROTEC

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Air coolers with an evaporation performance of **up to 0.9 l/h**

PAE 11

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 3 Fan stages
- Timer function
- IR remote control
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

NEW

PAE 12

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 3 fan stages
- Timer function
- IR remote control
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

PAE 21

- Evaporation air cooler
- 2-in-1 air cooler: air cooling and ventilation
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- 3 Fan stages
- Highly energy-efficient
- Quiet operation
- Easy to transport thanks to sturdy wheels and light weight
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

PAE 22

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 4 Fan stages
- Timer function
- IR remote control
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

Air coolers with an evaporation performance of **up to 0.9 l/h**

PAE 25

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 4 Fan stages
- Timer function
- LED display
- Highly energy-efficient
- Quiet operation
- IR remote control
- Easy to transport thanks to sturdy wheels and light weight
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

PAE 29

- Evaporation air cooler in tower fan design
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Automatic 90° oscillation for even air distribution within the room
- Night mode
- Improving the indoor climate
- 3 Fan stages
- Timer function
- Highly energy-efficient
- IR remote control
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

PAE 30

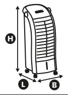
- Evaporation air cooler in tower fan design
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 4 Fan stages
- Timer function
- Highly energy-efficient
- IR remote control
- Convenient cable winder
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Air coolers with an evaporation performance of **up to 1.1 l/h**

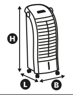
Overview:

Air coolers of the PAE series with an evaporation performance of up to 1.1 l/h

Technical data		**PAE 11**	**PAE 12**	**PAE 21**	**PAE 22**	**PAE 25**	**PAE 29**
Article number	White	1.210.003.011	1.210.003.012	1.210.003.004	–	1.210.003.001	1.210.003.014
	Black	–	–	–	1.210.003.005	–	–
Max. evaporation performance		0.46 l/h	0.46 l/h	0.8 l/h	0.9 l/h	0.9 l/h	0.33 l/h
Amount of air		90 m³/h	90 m³/h	276 m³/h	330 m³/h	320 m³/h	100 m³/h
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	230 V/50 Hz	220 - 240 V/50 Hz
Power input		45 W	45 W	50 W	60 W	65 W	45 W
Water supply		3 l	3 l	5.6 l	6 l	4.5 l	4 l
Sound pressure level (distance 1 m)		55 dB(A)	55 dB(A)	60 dB(A)	61 dB(A)	52 dB(A)	57 dB(A)
Length		220 mm	227 mm	290 mm	270 mm	330 mm	230 mm
Width		220 mm	221 mm	260 mm	300 mm	310 mm	270 mm
Height		590 mm	596 mm	700 mm	750 mm	740 mm	900 mm
Weight		3.5 kg	4 kg	6.5 kg	7.5 kg	7 kg	4.5 kg
Equipment and functions		PAE 11	PAE 12	PAE 21	PAE 22	PAE 25	PAE 29
Operating modes		3	3	2	3	3	3
Air cooling function		■	■	■	■	■	■
Air freshening function		■	■	–	■	■	■
Ventilation function (ventilation without cooling operation)		■	■	■	■	■	■
Suitable for operation with freezer packs or ice cubes		■	■	■	■	■	■
Supplied ice packs		2	2	2	2	2	2
Fan stages		3	3	3	4	4	3
Adjustable air discharge direction	Manual	■	■	■	■	■	■
	Swing function	■	■	■	■	■	■
Turbospin technology		–	–	–	–	–	–
360° air circulation		–	–	–	–	–	–
Selectable ioniser		–	–	–	–	–	–
Scented oil tank and diffuser for optimum room air aromatization		–	–	–	–	–	–
Infrared remote control / storage compartment		■ / –	■ / ■	– / –	■ / –	■ / –	■ / ■
Control panel with membrane keys		–	–	–	–	–	–
Display		LED	LED	–	–	LED	LED
Night mode		■	■	–	■	■	■
Timer function		■	■	–	■	■	■
Water filling level indicator		■	■	■	■	■	■
Warning signal to indicate a low water level		–	–	–	–	■	–
Automatic switch-off when water tank is empty		■	■	–	■	■	–
Permanent water connection		–	–	–	–	–	–
Anti-bacterial filter for improving the air quality	Standard (washable)	■	■	■	■	■	■
	Honeycomb filter	■	■	■	■	■	■
Cable holder / cable storage compartment		– / –	– / –	– / –	– / –	– / –	– / –
Wheels / parking brake / feet		■ / – / –	■ / – / –	■ / – / –	■ / – / –	■ / – / –	■ / – / –
Carry handles		■	■	■	–	■	–
Accessories		PAE 11	PAE 12	PAE 21	PAE 22	PAE 25	PAE 29
Spare cool packs (2 pieces)		7.310.000.367	7.310.000.367	7.310.000.367	7.310.000.367	7.310.000.367	7.310.000.367
Evaporation filter		7.710.000.960	7.710.000.960	7.710.000.865	7.710.000.063	7.710.000.837	7.710.000.041
SecoSan Stick 10		6.100.004.110	6.100.004.110	6.100.004.110	6.100.004.110	6.100.004.110	6.100.004.110
Descaler 1000 ml		6.100.004.199	6.100.004.199	6.100.004.199	6.100.004.199	6.100.004.199	6.100.004.199
LiQVit hygiene agent 1000 ml		6.100.004.185	6.100.004.185	6.100.004.185	6.100.004.185	6.100.004.185	6.100.004.185
Socket hygrostat BH30		–	–	6.100.004.205	–	–	–
Thermohygrometer BZ20M		3.510.205.013	3.510.205.013	3.510.205.013	3.510.205.013	3.510.205.013	3.510.205.013
Thermohygrometer BZ21M		3.510.205.018	3.510.205.018	3.510.205.018	3.510.205.018	3.510.205.018	3.510.205.018
Thermohygrometer BZ22M		3.510.205.019	3.510.205.019	3.510.205.019	3.510.205.019	3.510.205.019	3.510.205.019

Air coolers with an evaporation performance of **up to 1.1 l/h**

Overview:
Air coolers of the PAE series with an evaporation performance of up to 1.1 l/h

Technical data		**PAE 30**	**PAE 31**	**PAE 40**
Article number	White	1.210.003.015	1.210.003.016	1.210.003.017
	Black	–	–	–
Max. evaporation performance		0.8 l/h	1.1 l/h	1.1 l/h
Amount of air		500 m³/h	1,000 m³/h	370 m³/h
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Power input		65 W	60 W	68 W
Water supply		7 l	6 l	10 l
Sound pressure level (distance 1 m)		60 dB(A)	55 dB(A)	64 dB(A)
Length		345 mm	265 mm	380 mm
Width		270 mm	310 mm	310 mm
Height		1,050 mm	620 mm	760 mm
Weight		10.5 kg	5.5 kg	10 kg
Equipment and functions		PAE 30	PAE 31	PAE 40
Operating modes		3	3	3
Air cooling function		■	■	■
Air freshening function		■	■	■
Ventilation function (ventilation without cooling operation)		■	■	■
Suitable for operation with freezer packs or ice cubes		■	■	■
Supplied ice packs		2	2	2
Fan stages		4	3	4
Adjustable air discharge direction	Manual	■	■	–
	Swing function	■	■	■
Turbospin technology		–	■	–
360° air circulation		–	■	–
Selectable ioniser		–	–	■
Scented oil tank and diffuser for optimum room air aromatization		–	–	–
Infrared remote control / storage compartment		■ / –	■ / ■	■ / –
Control panel with membrane keys		–	–	■
Display		LED	–	–
Night mode		■	■	■
Timer function		■	■	■
Water filling level indicator		■	■	■
Warning signal to indicate a low water level		■	■	–
Automatic switch-off when water tank is empty		■	–	–
Permanent water connection		–	–	–
Anti-bacterial filter for improving the air quality	Standard (washable)	■	■	■
	Honeycomb filter	■	■	■
Cable holder / cable storage compartment		■ / –	■ / –	– / –
Wheels / parking brake / feet		■ / – / –	■ / – / –	■ / ■ / –
Carry handles		–	–	■
Accessories		PAE 30	PAE 31	PAE 40
Spare cool packs (2 pieces)		7.310.000.367	7.310.000.367	7.310.000.367
Evaporation filter		7.710.000.044	7.710.000.064	7.710.000.862
SecoSan Stick 10		6.100.004.110	6.100.004.110	6.100.004.110
Descaler 1000 ml		6.100.004.199	6.100.004.199	6.100.004.199
LiQVit hygiene agent 1000 ml		6.100.004.185	6.100.004.185	6.100.004.185
Socket hygrostat BH30		–	6.100.004.205	6.100.004.205
Thermohygrometer BZ20M		3.510.205.013	3.510.205.013	3.510.205.013
Thermohygrometer BZ21M		3.510.205.018	3.510.205.018	3.510.205.018
Thermohygrometer BZ22M		3.510.205.019	3.510.205.019	3.510.205.019

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

CONTINUOUS FRESH WATER SUPPLY TO ENSURE A HEALTHY AIR QUALITY

To automatically keep the water storage tank as clean as on the first day, we recommend using a SecoSan-Stick which keeps the water permanently clean, clear and free from germs or unpleasant odours. The unique feature of SecoSan is its antimicrobial surface with mobile silver ions, which inhibit bacteria and germs upon contact and thus prevent their reproduction. The entirely self-dosing SecoSan ion reservoir keeps the water demonstrably free from germs. The stick thus guarantees clean water for up to 6 months even if the water is changed or consumed daily.

USING AIR COOLERS AS HUMIDIFIERS DURING THE WINTERTIME

Air coolers are most efficient in rooms filled with dry air. Just like humidifiers these devices operate based on the evaporation principle, i.e. they directly supply the air with cool moisture. This means that for process-related reasons the humidity level in the room is increased perceptibly. During the winter this increase of humidity is beneficial to the mucous membranes. As a result you might be able to avoid catching a cold that is largely caused by the dry heated air. The practical and optically attractive thermohygrometer BZ20M in cross-needle design shows you at a glance when the humidity level is in the optimum range.

Air coolers with an evaporation performance of **up to 2.8 l/h**

NEW

TURBO SPIN

Intertek

PAE 31

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Optimum air circulation thanks to turbospin technology
- Air ejection distance of up to 10 metres
- Aerodynamically shaped air outlet fins providing a powerful 360° airflow
- 3 air filters ensuring effective air cooling
- Efficient cooling by evaporation with honeycomb technology
- Improving the indoor climate
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Adjustable air discharge direction
- Night mode
- 3 fan levels with swing function
- Timer function
- IR remote control
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

NEW

Intertek

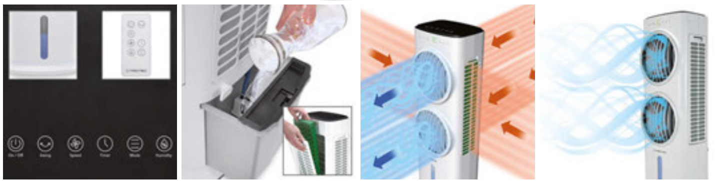
PAE 40

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improved air cleaning thanks to ionizer
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 4 fan levels with swing function
- Timer function
- IR remote control
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

NEW

DOUBLE TURBO SPIN

Intertek



PAE 45

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Remarkable wind current range thanks to turbospin technology
- Air ejection distance of up to 15 metres
- Aerodynamically shaped air outlet fins providing a powerful 360° airflow
- 3 air filters ensuring effective air cooling
- Efficient cooling by evaporation with honeycomb technology
- Improving the indoor climate
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 5 fan stages
- Timer function
- IR remote control
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

reddot

iF DESIGN AWARD 2018

Intertek

PAE 49 / PAE 50

- Evaporation air cooler
- 4-in-1 air cooler: air cooling, ventilation, air freshening and air purification
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with four included freezer packs or ice cubes to increase the cooling capacity
- Improved air cleaning thanks to ionizer
- Integrated scented oil diffuser for an optional room air aromatization
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 4 Fan stages
- Timer function
- IR remote control
- Continuous operation enabled by a permanent water connection
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

Air coolers with an evaporation performance of **up to 2.8 l/h**

PAE 51

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 4 Fan stages
- Timer function
- Energy-efficient
- Quiet operation
- IR remote control
- Easy to transport thanks to sturdy wheels
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter

NEW

PAE 60 / PAE 61

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 3 fan stages
- Timer function
- IR remote control
- Space-saving storage
- Permanent water connection possible for continuous commercial operation
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter
- Suited for large living, business or event spaces sized up to 72 m² or 180 m³

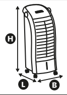
NEW

PAE 80 / PAE 81

- Evaporation air cooler
- 3-in-1 air cooler: air cooling, ventilation, air freshening
- Efficient cooling by evaporation with honeycomb technology
- Possibility to operate with two included freezer packs or ice cubes to increase the cooling capacity
- Improving the indoor climate
- Adjustable discharge direction and automatically swivelling fins
- Night mode
- 3 fan stages
- Timer function
- IR remote control
- Space-saving storage
- Permanent water connection possible for continuous commercial operation
- Suitable for year-round operation! Air cooler in the summer, humidifier in the winter
- Suited for large living, business or event spaces sized up to 80 m² or 200 m³

An overview of device differences, functional principles and possible applications of the air conditioners and air coolers can be found at: **uk.trotec.com/air-condition-info**

Air coolers with an evaporation performance of **up to 2.8 l/h**

Overview: **Air coolers of the PAE series with an evaporation performance of up to 2.8 l/h**						
Technical data		**PAE 45**	**PAE 49 / 50**	**PAE 51**	**PAE 60 / 61**	**PAE 80 / 81**
Article number	White	1.210.003.018	1.210.003.019	1.210.003.025	1.210.003.031	1.210.003.051
	Black	–	1.210.003.020	–	1.210.003.030	1.210.003.050
Max. evaporation performance		1.2 l/h	2 l/h	2 l/h	2.6 l/h	2.8 l/h
Amount of air		1,700 m³/h	750 m³/h	661 m³/h	900 m³/h	1,000 m³/h
Input voltage		220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz	220 - 240 V/50 Hz
Power input		90 W	145 W	110 W	100 W	125 W
Water supply		10 l	20 l	20 l	40 l	60 l
Sound pressure level (distance 1 m)		60 dB(A)	73 dB(A)	60 dB(A)	76 dB(A)	79 dB(A)
Length	 H L B	290 mm	390 mm	390 mm	395 mm	395 mm
Width		368 mm	350 mm	342 mm	405 mm	405 mm
Height		940 mm	880 mm	897 mm	980 mm	1,115 mm
Weight		7.5 kg	13 kg	8 kg	14 kg	18 kg
Equipment and functions		PAE 45	PAE 49 / 50	PAE 51	PAE 60 / 61	PAE 80 / 81
Operating modes		3	3	3	3	3
Air cooling function		■	■	■	■	■
Air freshening function		■	■	■	–	■
Ventilation function (ventilation without cooling operation)		■	■	■	■	■
Suitable for operation with freezer packs or ice cubes		■	■	■	■	■
Supplied ice packs		2	4	–	4	4
Fan stages		5	4	4	4	4
Adjustable air discharge direction	Manual	–	■	■	■	■
	Swing function	■	■	■	■	■
Turbospin technology		■	–	–	–	–
360° air circulation		■	–	–	–	–
Selectable ioniser		–	■	–	–	–
Scented oil tank and diffuser for optimum room air aromatization		–	■	–	–	–
Infrared remote control / storage compartment		■ / –	■ / –	■ / ■	■ / ■	■ / ■
Control panel with membrane keys		–	–	–	–	–
Display		–	LED	–	Touch	Touch
Night mode		■	■	■	–	–
Timer function		■	■	■	■	■
Water filling level indicator		■	■	■	■	■
Warning signal to indicate a low water level		■	■	■	–	–
Automatic switch-off when water tank is empty		■	■	■	■	■
Permanent water connection		–	■	–	■	■
Anti-bacterial filter for improving the air quality	Standard (washable)	■	■	■	■	■
	Honeycomb filter	■	■	■	■	■
Cable holder / cable storage compartment		■ / –	■ / –	■ / –	■ / –	■ / –
Wheels / parking brake / feet		■ / – / –	■ / – / ■	■ / ■ / –	■ / ■ / –	■ / ■ / –
Carry handles		–	■	–	–	–
Accessories		PAE 45	PAE 49 / 50	PAE 51	PAE 60 / 61	PAE 80 / 81
Spare cool packs (2 pieces)		7.310.000.367	7.310.000.367	7.310.000.367	7.310.000.367	7.310.000.367
Evaporation filter		7.710.000.066	7.710.000.862	7.710.000.860	7.710.000.867	7.710.000.867
SecoSan Stick 10		6.100.004.110	6.100.004.110	6.100.004.110	6.100.004.110	6.100.004.110
Descaler 1000 ml		6.100.004.199	6.100.004.199	6.100.004.199	6.100.004.199	6.100.004.199
LiQVit hygiene agent 1000 ml		6.100.004.185	6.100.004.185	6.100.004.185	6.100.004.185	6.100.004.185
Socket hygrostat BH30		6.100.004.205	–	6.100.004.205	6.100.004.205	6.100.004.205
Thermohygrometer BZ20M		3.510.205.013	3.510.205.013	3.510.205.013	3.510.205.013	3.510.205.013
Thermohygrometer BZ21M		3.510.205.018	3.510.205.018	3.510.205.018	3.510.205.018	3.510.205.018
Thermohygrometer BZ22M		3.510.205.019	3.510.205.019	3.510.205.019	3.510.205.019	3.510.205.019

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LiQVit
Water Conserver by TROTEC
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SECOSAN 30 STICK
SECOSAN 2 STICK
SECOSAN 1 STICK
SECOSAN 10 STICK
SECOSAN

Descaler

Reliable Descaling with colour indication

- Universally applicable: air conditioners, humidifiers, coffee machines, espresso machines, and much more.
- 100% biodegradable
- Suitable for appliances by all manufacturers
- Safety-lock / child lock

LiQVit

Hygienic product for humidifiers

- Ensures hygienically perfect evaporation water in the humidifier
- Prevents germination, algae, mould and bacteria
- Lime and mineral deposits are reduced
- Improves evaporation performance

SecoSan

Silver-ion sticks for tap water hygiene

- Active system based on bacteria inhibitory property of silver
- Completely food-safe
- Objectively, no change in taste detectable (laboratory tested)
- Effective for 6 months even with a daily change of water

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FANS OF THE TVE SERIES

REFRESHING COOLNESS ON HOT DAYS

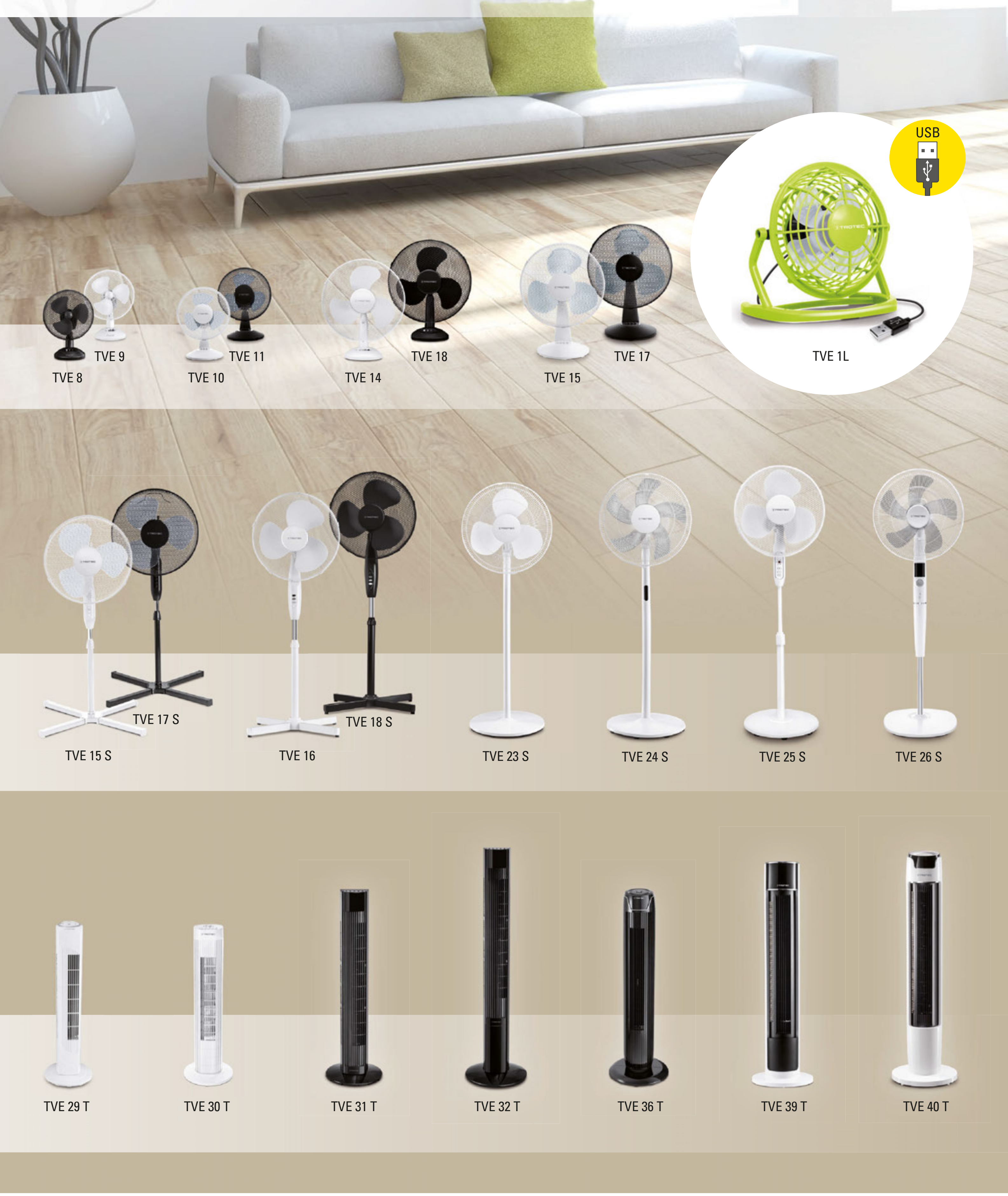
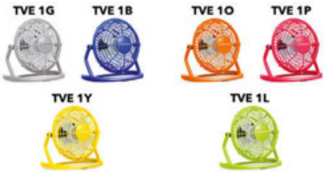
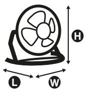

USB
TVE 9
TVE 8
TVE 11
TVE 10
TVE 18
TVE 14
TVE 17
TVE 15
TVE 1L
TVE 17 S
TVE 15 S
TVE 16
TVE 18 S
TVE 23 S
TVE 24 S
TVE 25 S
TVE 26 S
TVE 29 T
TVE 30 T
TVE 31 T
TVE 32 T
TVE 36 T
TVE 39 T
TVE 40 T

Table fans of the **TVE series**



Technical data		TVE 1
Article number	TVE 1G / Light Grey	1.510.005.003
	TVE 1B / Atlantic Blue	1.510.005.004
	TVE 1Y / Sunny Yellow	1.510.005.005
	TVE 1O / Pumpkin Orange	1.510.005.006
	TVE 1P / Raspberry Pink	1.510.005.007
	TVE 1L / Lemon Green	1.510.005.008
Number of fan blades		4
Fan blade diameter		3.94 " / 10 cm
Adjustable inclination angle		■
Power supply		5 V DC
Power input		2.5 W
Sound pressure level		41 dB(A)
Cable length		1 m
Length		90 mm
Width		145 mm
Height		150 mm
Weight		0.2 kg

TVE 1

- Power of 2.5 watts
- USB connector – no additional power source necessary
- USB standard 2.0 (upwards and downwards compatible to 1.1 and 3.0)
- No additional software required
- With on / off switch
- Inclination angle of the fan head adjustable by up to 360°
- Fan blade diameter: 10 cm
- High air flow
- Housing made of sturdy plastic
- Extremely quiet and compact
- Available in various trendy colors

Table fans of the **TVE series**

TVE 8 / TVE 9

- Power of 30 watts
- Low operating costs
- 2 Speed levels
- Automatically oscillating by 90° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Fan blade diameter: 23 cm
- Convenient carrying handle
- Stable and non-slip base for secure footing to prevent tipping over
- Low noise level: max. 56.5 dB(A)

TVE 10
TVE 11

TVE 10 / TVE 11

- Power of 25 watts
- Low operating costs
- 2 Speed levels
- Automatically oscillating by 80° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Fan blade diameter: 23 cm
- Convenient carrying handle
- Stable and non-slip base for secure footing to prevent tipping over
- Low noise level: max. 50 dB(A)

TVE 14
TVE 18

TVE 14 / TVE 18

- Power of 50 watts
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 90° with switch-off function
- Inclination angle of the fan head adjustable by up to 60°
- Fan blade diameter: 40 cm
- Convenient carrying handle
- Stable and non-slip base for secure footing to prevent tipping over
- Low-noise operation: max. 53 dB(A)

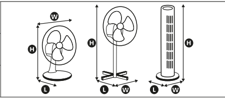
TVE 15
TVE 17

TVE 15 / TVE 17

- Power of 40 watts
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 80° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Fan blade diameter: 40 cm
- Convenient carrying handle
- Stable and non-slip base for secure footing to prevent tipping over
- Low-noise operation: max. 57 dB(A)

Table fans of the **TVE series**

Overview:
Table fans of the TVE series

Technical data		**TVE 8 / 9**	**TVE 10 / 11**	**TVE 14 / 18**	**TVE 15 / 17**
Article number	White	1.510.005.011	1.510.005.012	1.510.005.018	1.510.005.020
	Black	1.510.005.010	1.510.005.013	1.510.005.022	1.510.005.021
Fan stages		2	2	3	3
Number of fan blades		3	3	3	3
Fan blade diameter		9 " / 23 cm	9 " / 23 cm	16 " / 40 cm	16 " / 40 cm
Oscillation		90°	80°	90°	80°
Input voltage		220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz
Power input		30 W	25 W	50 W	40 W
Sound pressure level		56,5 dB(A)	50 dB(A)	53 dB(A)	57 dB(A)
Cable length		1.5 m	1.8 m	1.45 m	1.8 m
Length		210 mm	220 mm	228 mm	280 mm
Width		270 mm	280 mm	406 mm	430 mm
Height		370 mm	390 mm	530 mm	620 mm
Weight		1 kg	1.5 kg	2 kg	2.5 kg
Equipment and functions		TVE 8 / 9	TVE 10 / 11	TVE 14 / 18	TVE 15 / 17
Operating modes		–	–	–	–
Natural wind mode		–	–	–	–
Night mode		–	–	–	–
LED display		–	–	–	–
Timer function		–	–	–	–
IR remote control		–	–	–	–
Adjustable inclination angle		■	■	■	■
Adjustable in height		–	–	–	–
Carry handles		–	–	■	■

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- Optical Inspection
- Ultrasound
- UV-A radiation

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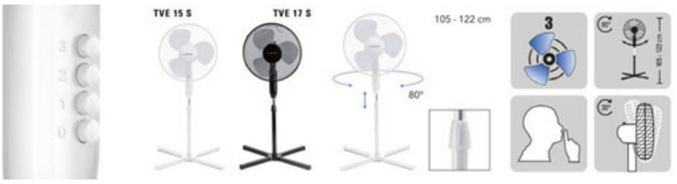
Pedestal fans of the **TVE series**



TVE 15 S / TVE 17 S

- Power of 40 watts
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 80° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Steplessly adjustable in height between 105 and 122 cm
- Fan blade diameter: 40 cm
- Convenient carrying handle
- Broad base for high stability
- Low-noise operation: max. 57 dB(A)

TVE 16
TVE 18 S
110 - 129 cm
90°
3
110 - 129 cm

TVE 16 / TVE 18 S

- Power of 50 watts
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 90° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Steplessly adjustable in height between 110 and 129 cm
- Fan blade diameter: 40 cm
- Convenient carrying handle
- Broad base for high stability
- Low-noise operation: max. 52.5 dB(A)

130 cm
96 cm
80°
3
96 - 130 cm

TVE 23 S

- Power of 50 watts
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 80° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Height-adjustable between 96 and 130 cm
- Fan blade diameter: 40 cm
- Broad base for high stability
- Low-noise operation: max. 60 dB(A)

130 cm
100 cm
70 cm
8
1-8h
70 - 130 cm

TVE 24 S

- Power of 48 watts
- Low operating costs
- 8 Speed levels
- Automatically oscillating by 80° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Height-adjustable between 70 and 130 cm
- Fan blade diameter: 40 cm
- Timer function
- LED display
- IR remote control
- Broad base for high stability
- Low-noise operation: max. 60 dB(A)

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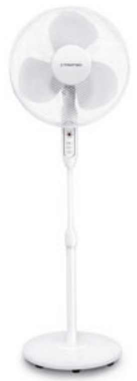
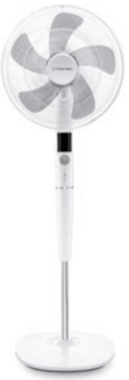
Humidification
SecoSan
Air cleaning
Heating
Air conditioning
Air cooling
Ventilation
Cleaning
Accessories

Pedestal fans of the **TVE series**



TVE 25 S

- Power of 40 watts
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 80° with switch-off function
- Inclination angle of the fan head adjustable by up to 30°
- Steplessly adjustable in height between 110 and 130 cm
- Fan blade diameter: 40 cm
- Timer function
- IR remote control
- Convenient carrying handle
- Broad base for high stability
- Low-noise operation: max. 57 dB(A)

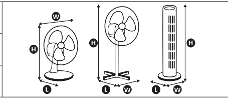


TVE 26 S

- Power of 35 watts
- Low operating costs
- 26 Speed levels
- Natural wind mode, night mode, comfort mode, silent operation and normal operation
- Automatically oscillating by 85° with switch-off function
- Inclination angle of the fan head adjustable by up to 20°
- Steplessly adjustable in height between 120 and 137 cm
- Fan blade diameter: 40 cm
- Timer function
- LED display
- IR remote control
- Convenient carrying handle
- Broad base for high stability
- Low-noise operation: max. 59 dB(A)

Pedestal fans of the **TVE series**

Overview:
Pedestal fans of the TVE series

Technical data		**TVE 15 S / 17 S**	**TVE 16 / 18 S**	**TVE 23 S**	**TVE 24 S**	**TVE 25 S**	**TVE 26 S**
Article number	White	1.510.005.030	1.510.005.031	1.510.005.043	1.510.005.044	1.510.005.045	1.510.005.046
	Black	1.510.005.032	1.510.005.033	–	–	–	–
Fan stages		3	3	3	8	3	26
Number of fan blades		3	3	3	5	3	5
Fan blade diameter		16 " / 40 cm	16 " / 40 cm	16 " / 40 cm	16 " / 40 cm	16 " / 40 cm	16 " / 40 cm
Oscillation		80°	90°	80°	80°	80°	85°
Input voltage		220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz
Power input		40 W	50 W	50 W	48 W	40 W	35 W
Sound pressure level		57 dB(A)	52.5 dB(A)	60 dB(A)	60 dB(A)	57 dB(A)	59 dB(A)
Cable length		1.8 m	1.5 m	1.8 m	1.8 m	1.5 m	1.5 m
Length		720 mm	520 mm	400 mm	450 mm	435 mm	453 mm
Width		720 mm	520 mm	450 mm	450 mm	435 mm	400 mm
Height		1,220 mm	1,290 mm	1,300 mm	1,300 mm	1,300 mm	1,370 mm
Weight		3 kg	2.414 kg	5.5 kg	6 kg	5.05 kg	7.8 kg
Equipment and functions		TVE 15 S / 17 S	TVE 16 / 18 S	TVE 23 S	TVE 24 S	TVE 25 S	TVE 26 S
Operating modes		–	–	–	1	–	5
Natural wind mode		–	–	–	–	–	■
Night mode		–	–	–	–	–	■
LED display		–	–	–	■	–	■
Timer function		–	–	–	■	■	■
IR remote control		–	–	–	■	■	■
Adjustable inclination angle		■	■	■	■	■	■
Adjustable in height		■	■	■	■	■	■
Carry handles		■	■	–	■	■	■

Tower fans of the **TVE series**

TVE 29 T

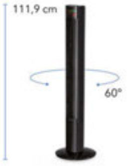
- Power of 45 watts
- Modern, space-saving pillar design
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 60° with switch-off function
- Integrated carrying handle
- Secure footing
- Low-noise operation: max. 58 dB(A)

TVE 30 T

- Power of 45 watts
- Modern, space-saving pillar design
- Low operating costs
- 3 Speed levels
- Automatically oscillating by 80° with switch-off function
- Timer function
- Integrated carrying handle
- Secure footing
- Low-noise operation: max. 60 dB(A)

TVE 31 T

- Power of 45 watts
- Modern, space-saving pillar design
- Low operating costs
- 3 Speed levels
- Natural wind mode, night mode and normal operation
- Automatically oscillating by 60° with switch-off function
- Timer function
- LED display
- Current room temperature indication
- IR remote control
- Integrated carrying handle
- Secure footing
- Low-noise operation: max. 58.5 dB(A)



TVE 32 T

- Power of 45 watts
- Modern, space-saving pillar design
- Low operating costs
- 3 Speed levels
- Natural wind mode, night mode and normal operation
- Automatically oscillating by 60° with switch-off function
- Timer function
- LED display
- Current room temperature indication
- IR remote control
- Integrated carrying handle
- Secure footing
- Low-noise operation: max. 58.5 dB(A)

Tower fans of the **TVE series**

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Humidification
SecoSan
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Heating
Air conditioning
Air cooling
Ventilation
Cleaning
Accessories

TVE 36 T

- Power of 45 watts
- Modern, space-saving pillar design
- Low operating costs
- 3 Speed levels
- Natural wind mode, night mode and normal operation
- Automatically oscillating by 60° with switch-off function
- Timer function
- LED display
- IR remote control
- Integrated carrying handle
- Secure footing
- Low-noise operation: max. 62 dB(A)

TVE 39 T

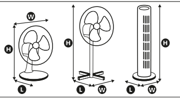
- Power of 45 watts
- Modern, space-saving pillar design
- Low operating costs
- 6 Speed levels
- Natural wind mode, night mode and normal operation
- Automatically oscillating by 60° with switch-off function
- Timer function
- LED display
- IR remote control
- Integrated carrying handle
- Secure footing
- Low-noise operation: max. 58 dB(A)

TVE 40 T

- Power of 45 watts
- Modern, space-saving pillar design
- Low operating costs
- 6 Speed levels
- Natural wind mode, night mode and normal operation
- Automatically oscillating by 60° with switch-off function
- Timer function
- LED display
- IR remote control
- Integrated carrying handle
- Secure footing
- Low-noise operation: max. 57 dB(A)

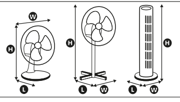
Tower fans of the **TVE series**

Overview:
Tower fans of the TVE series

Technical data		**TVE 29 T**	**TVE 30 T**	**TVE 31 T**	**TVE 32 T**
Article number	White	1.510.005.061	1.510.005.062	–	–
	Black	–	–	1.510.005.063	1.510.005.064
Fan stages		3	3	3	3
Number of fan blades		–	–	–	–
Fan blade diameter		– / –	– / –	– / –	– / –
Oscillation		60°	80°	60°	60°
Input voltage		220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 - 60 Hz	220 - 240 V / 50 - 60 Hz
Power input		45 W	45 W	45 W	45 W
Sound pressure level		58 dB(A)	60 dB(A)	58.5 dB(A)	58.5 dB(A)
Cable length		1.5 m	1.9 m	1.5 m	1.5 m
Length		240 mm	240 mm	250 mm	300 mm
Width		240 mm	240 mm	250 mm	300 mm
Height		765 mm	760 mm	920 mm	1,119 mm
Weight		2 kg	3 kg	2.5 kg	3 kg
Equipment and functions		TVE 29 T	TVE 30 T	TVE 31 T	TVE 32 T
Operating modes		–	–	3	3
Natural wind mode		–	–	■	■
Night mode		–	–	■	■
LED display		–	–	■	■
Timer function		–	■	■	■
IR remote control		–	–	■	■
Adjustable inclination angle		–	–	–	–
Adjustable in height		–	–	–	–
Carry handles		■	■	■	■

Tower fans of the **TVE series**

Overview:
Tower fans of the TVE series

Technical data		**TVE 36 T**	**TVE 39 T**	**TVE 40 T**
Article number	White	–	–	1.510.005.070
	Black	1.510.005.068	1.510.005.069	–
Fan stages		3	6	6
Number of fan blades		–	–	–
Fan blade diameter		– / –	– / –	– / –
Oscillation		60°	60°	60°
Input voltage		220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz
Power input		45 W	45 W	45 W
Sound pressure level		62 dB(A)	58 dB(A)	57 dB(A)
Cable length		1.8 m	1.6 m	1.5 m
Length		330 mm	300 mm	325 mm
Width		330 mm	300 mm	325 mm
Height		920 mm	1,080 mm	1,111 mm
Weight		3.5 kg	5.5 kg	5.6 kg
Equipment and functions		TVE 36 T	TVE 39 T	TVE 40 T
Operating modes		3	3	3
Natural wind mode		■	■	■
Night mode		■	■	■
LED display		■	■	■
Timer function		■	■	■
IR remote control		■	■	■
Adjustable inclination angle		–	–	–
Adjustable in height		–	–	–
Carry handles		■	■	■

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- Cordless Impact Driver
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- Rotary Hammers
- Drills
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- Reciprocating Saws
- Planer
- Multifunction Grinder
- Belt Grinders
- Angle Grinder
- Hot Air Blowers
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- Electric Stapler
- Hot Glue Guns
- Battery Work Lights
- Accessories and much more...

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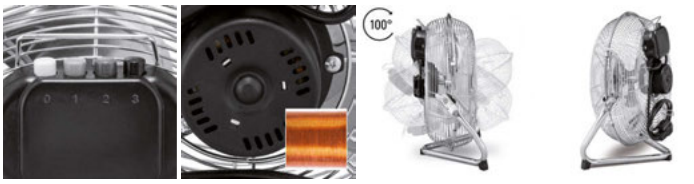
TRT-ANZ-IMG-HP-WRKZ-HS-007-EN

Fans of the **TVM series**

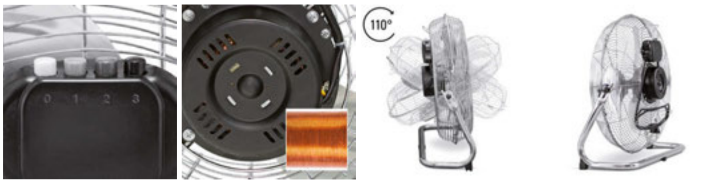


TVM 11 / TVM 12

- Power of 37 watts
- 3 Speed levels
- Inclination angle of the fan head adjustable by up to 100°
- Metal grid with modern chrome/copper look for protection at the front and rear
- Fan blade diameter: 30 cm
- Stable and non-slip base for secure footing to prevent tipping over
- Long lifetime thanks to motor with copper coil
- Low-noise operation
- Integrated cable winder
- Convenient carrying handle

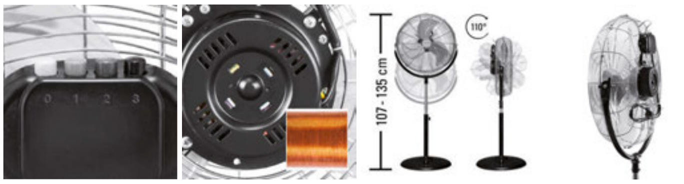
TVM 13 / TVM 14

- Power of 44 watts
- 3 Speed levels
- Inclination angle of the fan head adjustable by up to 100°
- Metal grid with modern chrome/copper look for protection at the front and rear
- Fan blade diameter: 35 cm
- Stable and non-slip base for secure footing to prevent tipping over
- Long lifetime thanks to motor with copper coil
- Low-noise operation
- Integrated cable winder
- Convenient carrying handle



TVM 17 / TVM 18

- Power of 100 watts
- 3 Speed levels
- Inclination angle of the fan head adjustable by up to 110°
- Metal grid with modern chrome/copper look for protection at the front and rear
- Fan blade diameter: 45 cm
- Stable and non-slip base for secure footing to prevent tipping over
- Long lifetime thanks to motor with copper coil
- Low-noise operation
- Integrated cable winder
- Convenient carrying handle



TVM 18 S

- Power of 100 watts
- 3 Speed levels
- Inclination angle of the fan head adjustable by up to 110°
- Steplessly adjustable in height between 107 and 135 cm
- Metal grid with modern chrome look for protection at the front and rear
- Fan blade diameter: 45 cm
- Stable and non-slip base for secure footing to prevent tipping over
- Long lifetime thanks to motor with copper coil
- Low-noise operation
- Integrated cable winder
- Convenient carrying handle

Fans of the **TVM series**

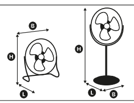
TVM 20 D

- Power of 120 watts
- 3 Speed levels
- Inclination angle of the fan head adjustable by up to 360°
- Metal grid for protection at the front and rear
- Fan blade diameter: 50 cm
- Stable and non-slip base for secure footing to prevent tipping over
- Long lifetime thanks to motor with copper coil
- Low-noise operation
- Convenient carrying handle

TVM 24 D

- Power of 124 watts
- 3 Speed levels
- Inclination angle of the fan head adjustable by up to 135°
- Metal grid for protection at the front and rear
- Fan blade diameter: 60 cm
- Stable and non-slip base for secure footing to prevent tipping over
- Long lifetime thanks to motor with copper coil
- Low-noise operation
- Integrated cable winder
- Convenient carrying handle

Fans of the **TVM series**

Overview: **Fans of the TVM series**							
Technical data		**TVM 11 / 12**	**TVM 13 / 14**	**TVM 17 / 18**	**TVM 18 S**	**TVM 20 D**	**TVM 24 D**
Article number	Chrome	1.510.006.011	1.510.006.021	1.510.006.031	1.510.006.061	–	–
	Copper	1.510.006.010	1.510.006.020	1.510.006.030	–	–	–
	Black	–	–	–	–	1.510.006.041	1.510.006.051
Fan stages		3	3	3	3	3	3
Number of fan blades		3	3	3	3	3	3
Fan blade diameter		12 " / 30 cm	14 " / 35 cm	18 " / 45 cm	18 " / 45 cm	20 " / 50 cm	24 " / 60 cm
Input voltage		220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz	220 - 240 V / 50 Hz
Power input		37 W	44 W	100 W	100 W	120 W	124 W
Sound pressure level		58 dB(A)	59 dB(A)	65 dB(A)	65 dB(A)	65 dB(A)	72.4 dB(A)
Cable length		1.5 m	1.5 m	1.5 m	1.5 m	1.5 m	1.5 m
Length		185 mm	175 mm	180 mm	450 mm	205 mm	200 mm
Width		395 mm	440 mm	540 mm	540 mm	585 mm	720 mm
Height		375 mm	435 mm	535 mm	1,350 mm	575 mm	685 mm
Weight		2.8 kg	3 kg	4.5 kg	8 kg	5 kg	9.3 kg
Equipment and functions		TVM 11 / 12	TVM 13 / 14	TVM 17 / 18	TVM 18 S	TVM 20 D	TVM 24 D
Adjustable inclination angle		■	■	■	■	■	■
Adjustable in height		–	–	–	■	–	–
Carry handles		■	■	■	■	■	■
Cable winder		■	■	■	■	–	■
Accessories		TVM 11 / 12	TVM 13 / 14	TVM 17 / 18	TVM 18 S	TVM 20 D	TVM 24 D
Wall and ceiling holder		6.100.007.022	6.100.007.022	6.100.007.022	6.100.007.022	6.100.007.022	6.100.007.022

Hand-held vacuum cleaner and cordless upright vacuum cleaner

VC 10 E

- Development, design, production: 100 % Trotec
- 7.4 V lithium-ion battery (1.3 Ah) without memory effect and without self-discharge
- 2-stage battery charging status indication
- Can be cleaned quickly and easily due to easily removable container and washable permanent dust filter system
- Large container with a capacity of up to 400 ml of dry dirt and 150 ml of liquid
- Operating time of 12 minutes with undiminished suction power
- Crevice nozzle for poorly accessible locations
- Squeegee nozzle for quick absorption of liquids
- Extension hose (1 m) for cleaning poorly accessible locations
- Convenient wall holder with charger
- Original Trotec design – protected design patent

CYCLONE Technology

VC 150 E / VC 155 E

- Multifunctional use as a cordless upright vacuum cleaner or cordless hand-held vacuum cleaner
- 25.2 V lithium-ion battery (2 Ah) – without memory effect, without self-discharge
- Strong suction power on all dry surfaces in two suction levels
- Efficient filter system with cyclone technology
- High-performance filter (HEPA) catches 99 % of all fine particles
- Large dust container with a capacity of 650 ml dry dirt
- Quick and easy emptying of the dust container
- Washable dust collection container
- High dust retention capacity
- Electrical floor nozzle with LED front light for illumination of dark areas
- Up to 40 minutes of constantly high suction power
- Flexible and agile handling
- Operating control lamp, battery level indication and suction power indication
- Compact design for space-saving storage

Hand-held vacuum cleaner and cordless upright vacuum cleaner

Overview:
Cordless vacuum cleaners

Technical data		**VC 10 E**	**VC 150 E / VC 155 E**
Article number	Anthracite	–	4.655.000.021
	White	4.655.000.010	4.655.000.020
Power input		40 W	150 W
Battery voltage		7.4 V	25.2 V
Battery capacity		1.3 Ah	2.0 Ah
Battery charging time		6 h	6 h
Input voltage charger		100 - 240 V/ 50 - 60 Hz	100 - 240 V/ 50 - 60 Hz
Housing design		Plastic	Plastic
Capacity of the dust container	Dry dirt	400 ml	650 ml
	Liquids	150 ml	–
Suction capacity		2.5 Kpa	8 Kpa
Length		90 mm	230 mm
Width		370 mm	250 mm
Height		135 mm	1,112 mm
Weight		0.7 kg	2.5 kg
Equipment and functions		VC 10 E	VC 150 E / VC 155 E
Wet vacuum cleaning function		■	–
Dry vacuum cleaning function		■	■
ON/OFF switch		■	■
Battery level indication		■	■
Washable dust filter		■	■
Wall holder		■	–

ACCESSORIES

Handy aids and accessories for practical applications

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DEVELOPMENT » DESIGN » PRODUCTION

BC06 Thermohygrometer

- Measurement of relative humidity, air temperature, dewpoint and wetbulb temperature
- Dual display for parallel presentation of measured values
- Maximum or minimum value and hold function

Article number 3.510.205.005

TROTEC
BP21
TROTEC
100%
DEVELOPMENT » DESIGN » PRODUCTION

BP21 Pyrometer

- Non-contact surface temperature measurement from -35 °C to +800 °C
- Measuring spot diameter display due to dual laser technology
- Measuring optic 12:1

Article number 3.510.003.031

TROTEC
100%
DEVELOPMENT » DESIGN » PRODUCTION

BM22 Moisture measuring devic

- Wood and material moisture measurement with one device
- Double scale for wood moisture and material moisture
- Calibration curve for standard types of wood
- With LED moisture indicator

Article number 3.510.205.025

BD16 Distance measuring device

- Range of 0.05 m to 40 m
- Precise measurement of distances, areas and volumes
- 3-point Pythagoras functions
- Can be used as spirit level thanks to bubble
- Belt clip, Wrist strap

Article number 3.510.205.154

BY10 Tyre pressure meter

- Digital measuring device for quick and precise tyre pressure control
- Integrated flashlight
- Suitable for all valves

Article number 3.510.205.910

BW10 pH measuring device

- Two-line display for the simultaneous indication of pH and water temperature
- Three-point calibration ex factory
- Automatic calibration for pH 4.01/7.00/10.01
- Incl. pH buffer solution set (4.01/7.00/10.01) and protective cape

Article number 3.510.205.810

BH30 Socket hygrostat

- Constant humidity regulation of humidifiers and dehumidifiers to a set value
- Regulation of the humidity level between 20 % and 90 % RH
- Buffer battery for storage of selected settings

Article number 6.100.004.205

BN30 Socket thermostat

- Suited for heating and cooling control
- Operating range from -10 °C to +70 °C
- Quick adjustment of the programme temperature possible
- Adjustment from 5 °C to 30 °C

Article number 6.100.007.009

BN35 Radio controlled socket thermostat

- Suited for heating and cooling control
- Operating range from 0 °C to +70 °C
- Comprehensive programming options
- Automatic frost protection system (5 °C)
- Suitable for switching up to 100 radio-controlled sockets

Article number 6.100.007.008

Handy aids and accessories for practical applications

BZ05 Indoor thermohygrometer

- Simultaneous display of room temperature, humidity and time or date
- Additional feel-good indication
- Display of recorded minimum and maximum values
- Alarm function

Article number 3.510.205.010

BZ06 Designer weather station

- Simultaneous indication of room temperature, humidity level, date, time, weekday and symbolic weather forecast
- Supplies helpful information for preventing mould growth
- Display of minimum and maximum values
- Alarm function with snooze button

Article number 3.510.205.016

BZ07 Weather station and indoor climate monitoring unit

- Simultaneous indication of room temperature, humidity level, time or date, weather forecast, feel-good indication and temperature fluctuations
- Symbolic weather forecast indication
- Simplified feel-good indication
- Alarm function with snooze button

Article number 3.510.205.017

BZ15M Thermohygrometer

- High-quality mechanical measurement technology "made in Germany"
- Special scale design with climate-related colour indication
- Incl. calibration option

Article number 3.510.205.012

BT40 Barbeque thermometer

- Integrated cooking assistant for 8 preselectable types of meat or food
- Up to 5 cooking levels and individual target temperature selectable
- Radio range of up to 20 m
- Stopwatch and timer function

Article number 3.510.205.007

PVC extension cable

- Input voltage: 230 V
- Nominal current: 16 A
- Cable cross-section: 1.5 mm²
- Plug / coupling: CEE 7/7
- Cable length: 5 m

Article number 7.333.000.373

BQ30 Particle measuring device

- Indication of CO_2 pollution, current room temperature and humidity level
- Measurement of fine particulates with a max. diameter of PM2.5 and PM10
- Additional colour indicator display with automatic acoustic alarm for the quick detection of critical particle concentrations

Article number 3.510.205.805

BZ30 CO_2 Air Quality Data Logger

- Accurate and permanently stable NDIR measurement of carbon dioxide concentrations in the room air
- Simultaneous display of CO_2 values, room temperature, humidity, date and time
- Additional symbolic CO_2 indicator display
- USB interface for measuring data transfer
- PC analysis software

Article number 3.510.205.141

BQ20 Particle measuring device

- Compact environmental measuring unit for the detection of fine dust pollution and climate data
- Additional colour indicator display with automatic acoustic alarm for the quick detection of critical particle concentrations
- Automatic switch-off
- Integrated tripod connection and stand

Article number 3.510.205.022

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