

# Heaters and Air Conditioners 2023/24



Perfection on principle.

**Wilms®**

# Wilms heaters

## To the rescue in times of emergency

An ice-cold winter in February 1956 led Kurt Wilms to become an expert in heating technology. It sparked the birth of the first oil-powered instant heater from the Wilms brand: "UGO" – the universal large-room oil heater – resolved innumerable problems with the cold and helped many companies avoid large-scale damage.

Wilms continued to develop its offering, leading to a full range of instant oil, gas and electric heaters, as well as fan heaters and infrared heaters for targeted spot heating, even outdoors. The product range spans from small combined gas and electric heaters for tradespeople to high-performance heating systems.

**Wilms' heaters are now used across the globe:**




They are used to heat halls, tents and emergency accommodation in the case of sudden cold weather or in disaster zones. Time and again, Wilms' heaters prove themselves to be lifesavers in the case of emergency.



The showroom, which is home to all the latest products, is located in the light-flooded inner courtyard.



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# Portable air-conditioning devices

Pleasant temperatures at home and in the office

Portable WILMS air conditioners can be set up quickly and used in any room in the office or home. They can be simply plugged in to a normal household socket. The convenient touch screen or **remote control**, which is included as standard, are intuitive to use.

WILMS air conditioners also come with a **heating function**. As both devices feature an integrated thermostat, the heating or cooling is automatically regulated in line with the room temperature. In addition, both devices also come with a **drying and ventilation function**.

The sound emissions of the Wilms air conditioners are so moderate at 65 dB(A) that they can be used continuously without issue.

Benefits of WILMS portable air conditioners:

- Easy to set up and ready for use
- Can be used in different rooms for flexibility
- Time and temperature can be programmed
- Removable extract air hose and window seal as standard



## AC 12 / AC 18 Air conditioners that cool, heat and dry

The included **window seal** and the extract air hose are easy to fit.

This type of window seal, which makes it possible to remove the warm air without it recirculating, is the only way of ensuring effective cooling of the room in question.

Despite the low energy consumption, a comfortable room temperature can be achieved in a relatively short amount of time.

The quiet devices are also ideal for use in a home office. It is not possible to work effectively in a hot room. The air conditioners from Wilms are an ideal, cost-effective solution here.



Assembled window seal (series standard) for the permanent extraction of warm air.



Convenient touch-screen operation.



Both air conditioners come with practical remote controls as standard.



Type	AC 12	AC 18
Order no.	3200012	3200018
Typical room size m <sup>2</sup>	18-25	30-45
Cooling capacity kW	3.5	5.2
Heat output kW	3.2	4.7
Refrigerant	210 g R 290	300 g R 290
Power supply V/Hz	230 / 50	230 / 50
Power consumption (cooling) W	1345	2000
Power consumption (heating) W	1391	2043
Current consumption (cooling) A	6.0	9.3
Current consumption (heating) A	6.3	9.4
Dimensions (L x W x H mm)	335 x 440 x 715	370 x 470 x 764
Weight kg	26	30
Noise level dB(A)	65	65

# Heating with oil, gas or electricity

Wilms has the perfect solution for every type of cold

When a cold spell suddenly sets in, there is often little time for planning. So it can be really beneficial to have an expert partner with a solution for everything by your side: Wilms.

With over 60 years' experience, Wilms is one of the pioneers of instant heaters – for oil, gas and electric.

## Oil heaters with and without vents

These portable devices are ready for use: fill with oil, plug in and you are good to go. The hot air turbines provide heat and prevent frost damage immediately. The large devices with exhaust systems are suitable for long-term use, for heating halls and tents, and have proven their worth heating emergency accommodation in disaster zones across the globe. Infrared heaters provide targeted spot heating through radiant heat. (see pages 8-13)

Powerful heating systems and fan heaters complete the Wilms range of oil heaters. (see pages 14, 15)



## Gas heaters:

Gas heaters are smaller, more lightweight and more cost-effective. As such, they tend to be used where mobility is key: on building sites and in rooms with good ventilation where heaters with open flames are permitted. Even a heater offering over 100 kW can be easily transported in the boot. All Wilms' gas heaters meet the highest safety standards and have been built for long-term use. (see pages 18, 19)



## Electric heaters

Wilms electric heaters are available with axial fans, radial fans (free air delivery including for use with hot air hoses) and infrared heaters with targeted spot heating. One thing they all have in common is that they can be used in non-ventilated spaces, as they don't require any oxygen. Depending on the power, a 230 V or 400 V socket is required. (see pages 20-23)

**NEW PRODUCT** Electric heater with ceramic heating aggregate. (see page 22)



# How to find your perfect heater

Here you can find some rules of thumb for heating requirements in different types of spaces

When it comes to choosing the type of heater and the heat output, it all hinges on the size and type of room to be heated. You can find the key product characteristics in the technical data provided on the relevant catalogue pages. The rules of thumb below will hopefully help you to make your decision quickly, as time is usually of the essence here! If an architect has calculated the amount of heat required, this should obviously take precedence.

The rules of thumb for buildings and halls assume a max. temperature increase (difference between the lowest acceptable external temperature and the desired internal temperature) of 30 K (30 °C). For temperature increases outside of this range, the power calculated by the formula needs to be reduced or increased by 17% for each 5 K (5°C).

The formulas for electric heaters give comparatively low heat outputs, as these devices do not require oxygen and so only a small exchange of air (ventilation) can be assumed. There is no need for ventilation openings as is the case with rooms heated using oil or gas.

In the case of rooms with ventilation or, for example, halls with large doors that need to be reheated quickly, the increased ventilation heat requirement needs to be taken into account. This becomes more important the lower the heat output is in relation to the room volume, as the temperature losses cannot be compensated for quickly enough. For normal production halls and warehouses, a ventilation rate of 0.3 to 0.5 per hour can be assumed. No excess is required for these types of spaces. For a complete ventilation rate per hour, the excess is 10 W per m<sup>3</sup>.

## Buildings and halls

### Unrenovated old buildings or building shells without insulation:

Oil or gas heaters: Volume (m<sup>3</sup>) x factor 0.058 = heat output (kW)

Electric heaters: Volume (m<sup>3</sup>) x factor 0.041 = heat output (kW)

### Old buildings with average insulation:

Oil or gas heaters: Volume (m<sup>3</sup>) x factor 0.040 = heat output (kW)

Electric heaters: Volume (m<sup>3</sup>) x factor 0.030 = heat output (kW)

### New buildings with insulation:

Oil or gas heaters: Volume (m<sup>3</sup>) x factor 0.025 = heat output (kW)

Electric heaters: Volume (m<sup>3</sup>) x factor 0.020 = heat output (kW)

## Greenhouses and tents

Unlike buildings and halls, when it comes to calculating the amount of heat required for greenhouses and tents, it is not the volume of the room, but rather the entire external surface in m<sup>2</sup> that is used for

the calculations. As the desired temperature increase can, once again, vary massively, it is covered in the respective formula below.

### Greenhouses and tents without insulation:

Oil or gas heaters: External surface area (m<sup>2</sup>) x factor 0.0064 x temp. increase\* = heat output (kW)

### Greenhouses with double glazing or double foil, thermal tents

Oil or gas heaters: External surface area (m<sup>2</sup>) x factor 0.0037 x temp. increase\* = heat output (kW)

\* Example:

If the lowest outside temperature is -15°C and the desired indoor temperature is +23°C, the temperature should be set at 38.

# Infrared oil heaters

Portable, low-noise, dust-free – for indoors and out

Spot heating means only heating the area where the heat is actually required. Infrared heaters can provide direct and lossless heating for large halls, open sheds and outdoor spaces, just like the sun. The heaters only heat the objects and areas at which the heat is being directed. In other words: it is economical and effective heating. With infrared spot heating, the temperature feels warmer than the actual temperature of the air. This means comfort at work, including on the ground, and an improved transfer of heat. The feeling of warmth is even in all areas. The infrared heaters are powered by heating oil, diesel or petroleum. It is cheaper than electricity or gas.

All infrared oil heaters work without extraction. Optimum combustion. All you need is good ventilation. The surprisingly short heating up time and the fact that there is no movement of air or dust guarantees a wide range of applications. The adjustable hanger on the Mini VAL with vertical pivot, or with vertical and horizontal pivot on the VAL 6, further add to its uses. The over-sized wheels ensure easy transportation to the desired location. The infrared heaters comply with the VDE regulations and bear the CE mark. In addition to the various areas of application for heating, the heaters are also ideal for the drying of materials, as well as the de-icing of machines, pipelines, valves, etc.

**VAL 6 40.0 kW**



- Heat transfer without air movement
- Can be positioned horizontally or vertically
- Targeted heating for the workplace
- Easy to transport
- Large-volume tank



Radiant heater for vertical arrangement

VAL 6 switched on



Control unit on rear of VAL 6



For clean combustion: VAL 6 oil filter unit





# Infrared oil heaters



- Heat transfer without air movement
- Can be erected vertically
- Stackable
- Compact design
- Dust-free, radiant warmth



- Heat transfer without air movement
- Can be erected vertically
- Targeted heating for the workplace
- Easy to transport
- Large-volume tank



- Radiant heater with air circulation
- Compact design
- Portable
- Large-volume tank



Tank content level indicator as standard for all infrared heaters



Fold-out handle for easy transportation



Tank content level indicator as standard

Type	VAL 6	Mini VAL	RH 35	IR 25
Order no.	1853000	1855000	1850030	1850025
Heat output kW	40.0	32.5	30.0	20.5
kcal/h	34,400	28,000	25,810	17,600
Oil throughput kg/h	3.4	2.7	2.5	1.9
Tank content in litres	40	35	53	15
Supply voltage V/Hz	230 / 50	230 / 50	230 / 50	230 / 50
Dimensions (L x W x H mm)	1200 x 620 x 930	710 x 655 x 810	730 x 710 x 965	530 x 370 x 560
Weight kg	50.0	38.0	32.0	14.0
Room thermostat accessories	6159440	6159440	6159440	-
Thermostat for rooms prone to moisture	6159438	6159438	6159438	-

# Hot air turbines

## without exhaust systems

Each winter, lots of businesses are taken by surprise by cold spells and confronted with sudden problems. Wilms hot air turbines can lend a hand in an emergency. Ready for immediate use, they can quickly combat problems relating to the cold and damp. Simply set them up, fill with fuel, plug them in, press a button and feel the heat. They are suitable for a wide range of uses, such as heating construction sites in winter, de-icing or thawing materials, vehicles, pipelines and machinery. They can also be used to heat working areas and animal stalls, to dry out new buildings and all kinds of different products, such as concrete parts, bulk goods, agricultural produce, etc.

Decades of experience, the latest technology and durable design – all distinguishing features of Wilms hot air turbines.

Mobile, direct fired oil heater without flue in a durable, long-lasting double-shell design. Suitable for professionals and for use on construction sites.

Suitable for immediate use in ventilated spaces, halls or outside: simply add fuel, plug into a plug socket and switch on.

The low-pressure atomising system (B 70/B 125) or high-pressure atomising system (B 380) facilitates residue-free combustion without the formation of carbon black or poisonous gases. As such, it is economical and environmentally friendly, as up to 100% of the combustion energy is utilised.

Automatic, temperature-controlled operation possible with room thermostat.

**B 70 20.5 kW**



**B 125 40.0 kW**



**B 380 111.0 kW**



Type		B 70	B 125	B 380
<b>Order no.</b>		<b>1021070</b>	<b>1021125</b>	<b>1081380</b>
Heat output approx.	kW	20.5	40.0	111.0
	kcal/h	17700	34400	95500
Flow rate	approx. m <sup>3</sup> /h	410	920	3300
Pressure max. tot.	Pa	-	-	-
<b>Fuel consumption</b>				
(EL heating oil / petroleum)	approx. kg/h	1.58	3.00	7.55
Tank volume	l	19	38	105
Supply voltage	V/Hz	230/50	230/50	230/50
Dimensions	(L x W x H) mm	762 x 305 x 381	990 x 584 x 660	1605 x 685 x 930
Weight	kg	13	24	82
Flue pipe	Ø mm	-	-	-
Exhaust vent	Ø mm	200	230	400
Flame monitor		Series	Series	Series
Room thermostat	Order no.	Series	Series	6159451
Thermostat for rooms prone to moisture	Order no.	-	-	6159450

# Hot air turbines

## with exhaust systems

Wilms hot air turbines from the BV range are fully automated fan-assisted air heaters with exhaust systems and a very high degree of efficiency.

Despite this, they are also portable thanks to their wheels, carrying handle and transport lugs. They feature a combustion chamber made from heat-resistant steel sheeting, and come with a room thermostat, temperature monitor and protection against overheating as standard. These multi-purpose hot air turbines are particularly well-suited to heating workshops and halls, exhibition marquees or new buildings during the construction phase. In other words, wherever people and animals spend long hours in enclosed spaces.

### **BV 140: specially developed for use in disaster zones.**

All you need is a military canister filled with heating oil and a 230 V plug socket. Together with the flue, the BV 140 can be easily transported in an emergency vehicle. At the field location, the flue needs to be simply attached, the device plugged in and the suction lance firmly attached to the canister. The damp room thermostat is ideally protected by a removable casing. The heat is directed into the areas requiring heating via an adapter and a hot air hose (optional extra).



**BV 140:**  
Can be used with military canisters\*

Accessories for oil heaters on pages 16-17

**NEW PRODUCT**

**BV 135 24.8 kW**



**BV 140 25.0 kW**



**BV 145 45.0 kW**



Type		<b>BV 135</b>	<b>BV 140</b>	<b>BV 145</b>
<b>Order no.</b>		<b>1221135</b>	<b>1221140</b>	<b>1221145</b>
Heat output approx.	kW	24.8	25.0	45.0
	kcal/h	21300	21500	38700
Flow rate	approx. m <sup>3</sup> /h	1500	1500	3000
Pressure max. tot.	Pa	100	100	200
Fuel consumption				
(EL heating oil / petroleum)	approx. kg/h	2.09	2.11	4.50
Tank volume	l	40	Canister*	80
Supply voltage	V/Hz	230/50	230/50	230/50
Dimensions	(L x W x H) mm	1250 x 490 x 690	1260 x 560 x 630	1680 x 690 x 940
Weight	kg	60	59	148
Flue pipe	Ø mm	150	150	150
Exhaust vent	Ø mm	300	300	400
Flame monitor		Series	Series	Series
Room thermostat		-	-	-
Thermostat for rooms prone to moisture		Series	Series	Series

\* not included.

# Hot air turbines

## The most powerful heaters with a flue

These extremely powerful hot air turbines have already proven their worth in emergency situations across the globe.

Thanks to their enormous heat output of up to 150 kW and the high air flow of up to 11,000 m<sup>3</sup>/h, they can be

used to safely and reliably heat commercial premises, halls and emergency accommodation.

The hot air turbines can be ideally equipped for operation in various different conditions with the appropriate accessories (see pages 13, 16 and 17).



**BV 155/185/265 31.0 / 54.0 / 70.0 kW**



**BV 385/535 110.0 / 150.0 kW**



Type		<b>BV 155</b>	<b>BV 185</b>	<b>BV 265</b>	<b>BV 385</b>	<b>BV 535</b>
<b>Order no.</b>		<b>1221155</b>	<b>1231185</b>	<b>1241265</b>	<b>1251385</b>	<b>1261535</b>
Heat output approx.	kW	31.0	54.0	70.0	110.0	150.0
	kcal/h	26700	46500	60200	94600	129000
Flow rate	approx. m <sup>3</sup> /h	2600	4500	6300	8200	11000
Pressure max. tot.	Pa	110	130	140	220	260
Fuel consumption						
(EL heating oil / petroleum)	approx. kg/h	2.50	4.50	6.00	9.20	12.50
Tank volume	l	Without tank	Without tank	Without tank	Without tank	Without tank
Supply voltage	V/Hz	230/50	230/50	230/50	230/50	230/50
Dimensions: (L x W x H)	mm	1395 x 635 x 1015	1590 x 725 x 1100	1680 x 725 x 1170	1985 x 895 x 1365	2080 x 915 x 1465
Weight	kg	150	190	205	305	375
Flue pipe	Ø mm	150	150	150	200	200
Exhaust vent	Ø mm	350	400	450	520	600
Flame monitor		Series	Series	Series	Series	Series
Room thermostat		-	-	-	-	-
Thermostat for rooms prone to moisture		Series	Series	Series	Series	Series

# Accessories for hot air turbines

Original accessories for versatile applications



## Targeted heating via hot air hoses.

Two hot air tubes fit on the Y-tube (see diagram) with its 2 outlets. An adapter with 3 outlets can also be used to distribute the heat via 3 hoses.



## Space-saving storage thanks to stacker

The stacker is an interesting accessory for rental: the wheel receiver rail, which is easily mounted on the upper part of the housing, makes it possible to stack two of these heaters.



## Draught-free hot air above head height.

A high heat output is always associated with large amounts of air. And this creates an unwanted side-effect: irritating draughts. On the BV 385 and BV 535 models, this is combated by the exhaust opening being pointed upwards and an attached guide tube with a 90° angle. As a result, the air is blown out above head height or directly into an air duct.



## Typically Wilms: cladded burner for high levels of operational safety

All heaters from the BV range have been designed so that the burner is protected behind a cover **and mounted** at work height for **easy servicing**. This makes maintenance much easier. They come with 150 W oil preheating as standard to guarantee safe operation even in extremely cold conditions.



## Heater with increased compression for hoses up to 40 m.

Additional fans (boosters) are available for these applications. This does not apply to BV 135 / BV 140 / BV 535.

These are assembled in front of the axial fans. The heaters can then be powered with either one or two fans.

Accessories for oil heaters on pages 16-17

# Heating systems

## Versatile heating and ventilation

**Wilms' heating systems are the ideal solution for diverse heating and ventilation problems.**

They can be used in the construction industry to heat and dry new builds and winter construction projects, and are also suitable for use in marquees, sports halls, factory halls or warehouses. Thanks to their simple set-up and fully automated functionality with damp room thermostats as standard, they are ready for immediate use.

The devices can be transported with both forklift and pallet trucks. Stable eyelets for crane transport are also provided as standard. The burner and all operating elements have been built in for protection. A powerful oil preheating (HZ 190/400) ensures smooth operation, even when external temperatures are cold. Models HZ 190 / HZ 400 can be stacked to allow for space-saving storage in the off-season. Optional accessories include intake sockets or recirculated air operation, as well as various exhaust vents.

**HZ 190 185 kW**



**HT 200 200 kW**

**NEW PRODUCT**



Here: HZ 190; HZ 400 not shown (similar)

Type	HZ 190	HZ 400	HT 200
Order no.	1270190	1270400	1270200
Electrical connection V/Hz	3 x 400 / 50	3 x 400 / 50	3 x 400 / 50
Nominal current A	7.5	9.2 / 20.2	10.0
Nominal power kW	3.0	3.6 / 8.12	4.0
Heat output approx. kW	185	261 / 383	200
Volume flow m <sup>3</sup> /h	12,000	18,000 / 24000	13,000
External pressure Pa	600	700 - 1000	500
Oil consumption max. kg: h	15.5	26.0 / 38.0	19.4
Exhaust vent Ø mm	600 (standard)	2 x 600 (standard)	600
Flue pipe Ø mm	200	300	200
Dimensions (L x W x H mm)	2400 x 800 x 1370	3850 x 1200 x 2010	2710 x 910 x 1520
Weight kg	545	1300	450

# Fan heaters

Ready for connection and immediate use

## What happens in your business when a sudden cold spell sets in?

Whether we are talking about a production site, a showroom or a warehouse: unexpected cold weather can lead to unpleasant consequences. And if the first frost has already landed, you need a source of heat that is ready for immediate use, without any extensive set-up.

### Wilms fan heaters.

Use the formula below to easily work out which Wilms fan heater you need:

### Space in m<sup>3</sup> x 0.040 = required heat output (kW)

This formula relates to normal, insulated working areas. If doors are regularly left open, e.g. in car workshops, etc., this heat requirement needs to be increased by around 20%.

### Wilms quality: a two-year guarantee on the combustion chamber!

Wilms fan heaters come with oil burner, oil filter, suction pipe and return pipe and a thermostat as standard. The exhaust hood comes with directional slats and can be rotated 360°.

**And all of this at a great price.**



### All you need:

**Wilms fan heater, heating oil, a 230 V socket and a suitable flue**

Simply position the fan heater or place on the console (accessory). Connect to the flue. Place the hoses in the canister, the oil drum or the Wilms oil tank (accessory). Plug into a 230 V socket, switch on and feel the heat.















**If you don't have the necessary flue, add one to your order.**

**Required accessories on page 17.**

Type	WLE 40	WLE 75
<b>Order no.</b>	<b>1260040</b>	<b>1260075</b>
Electrical connection V/Hz	230 / 50	230 / 50
Heat output approx. kW	35	70
kcal	30,000	60,000
Flow rate m <sup>3</sup> /h	3100	5200
Oil consumption max. kg: h	3	5.9
Dimensions (L x W x H mm)	1200 x 500 x 1700	1380 x 585 x 1950
Weight kg	138	210
Flue pipe Ø mm	150	150
Room thermostat	Standard	Standard
Exhaust hood	Standard	Standard

# Accessories for oil heaters

Infrared heaters, hot air turbines and fan heaters

Description	Order number	HZ 190	HT 200	VAL 6	Mini VAL	B 70	B 125	B 380	BV 135	BV 140	BV 145	BV 155	BV 185	BV 265	BV 385	BV 535	WLE 40	WLE 75	
 <p><b>Room thermostat</b> for dry rooms, with hanger and 10 m cable</p>	6159440			o	o														
	6159451																		
6159453		o	o							o									
 <p><b>Thermostat for rooms prone to moisture</b> with hanger and 10 m cable</p>	6159438			o	o														
	6159450																		
6162821		o	o																
6162822																			
 <p><b>Stacker</b></p>	6169190																		
	6169191																		
 <p><b>Booster</b> (additional fan) to increase the operating pressure for the ACS device. Provide serial no. for ACS device when placing your order.</p>	For BV 185																		
	6162530																		
	For BV 265	6162586																	
	For BV 385	6163775																	
 <p><b>Y-tube:</b></p>	2 openings, each 200 mm Ø	6169136																	
	2 openings, each 305 mm Ø	6169203																	
	2 openings, each 305 mm Ø	6169180																	
	2 openings, each 305 mm Ø	6169140																	
	2 openings, each 405 mm Ø	6169181																	
	2 openings, each 405 mm Ø	6169182																	
	2 openings, each 405 mm Ø	6169146																	
	2 openings, each 500 mm Ø(not shown)	6169218																	
 <p><b>Adapter:</b></p>	3 openings, each 305 mm Ø	6169185																	
	3 openings, each 305 mm Ø	6169186																	
	3 openings, each 305 mm Ø	6169187																	
	3 openings, each 400 mm Ø	6169188																	
	4 openings, each 305 mm Ø	6169217																	
 <p><b>Adapter:</b></p>	305 mm Ø	6169197																	
	405 mm Ø	6169204																	
 <p><b>Hot air tube:</b></p>	1 m long, 525 mm Ø	6169177																	
	1 m long, 600 mm Ø	6169164																	
 <p><b>Pipe connector:</b></p>	525 mm Ø	6169133																	
	600 mm Ø	6169132																	
 <p><b>90° angle:</b></p>	525 mm Ø	6169176																	
	600 mm Ø	6169163																	
 <p><b>Hot air hose:</b></p>	7.6 m long incl. fastening strap																		
	203 mm Ø* 175 °C	6169135																	
	305 mm Ø* 175 °C	6169198																	
	405 mm Ø* 175 °C	6169134																	
	305 mm Ø* 110 °C	6169149	x																
	355 mm Ø* 110 °C	6169178																	
	405 mm Ø* 110 °C	6169150																	
	455 mm Ø* 110 °C	6169175																	
525 mm Ø* 110 °C	6169155	x																	
600 mm Ø* 110 °C	6169159	o	o																
 <p><b>Hot air tube connector</b> incl. fastening strap</p>	305 mm Ø	6169126	x																
	355 mm Ø	6169130																	
	405 mm Ø	6169127		x															
	455 mm Ø	6169131																	
	525 mm Ø	6169128	x																
	600 mm Ø	6169129	o	o															
 <p><b>Fan hose fire protection class B3</b> for heating and ventilating greenhouses, stables, etc. with hem, hanging eyelets (1 m apart) and perforation</p>	<b>per running metre</b> 400 mm Ø	6169165																	
	450 mm Ø	6169166																	
	525 mm Ø	6169168																	
	600 mm Ø	6169167																	
	BV 185/265: min. 10 m / max. 20 m																		
 <p><b>Fan hose fire protection class B1</b> as described above, but with white end fittings – Trevira – washable</p>	<b>per running metre</b> 525 mm Ø	6169102																	
	End fittings for 6169102	6169103																	
	600 mm Ø	6169100																	
	End fittings for 6169100	6169101																	

• Standard accessories

o Optional extras

x with Y-tube or adapter



















\* hypalon-coated

\*\* free from PVC and softening agents and flame-retardant in line with DIN 4102B1



# Accessories for oil heaters

Infrared heaters, hot air turbines and fan heaters

Description	Order number	HZ 190	HT 200	VAL 6	Mini VAL	B 70	B 125	B 380	BV 135	BV 140	BV 145	BV 155	BV 185	BV 265	BV 385	BV 535	WLE 40	WLE 75
 Intake fitting for recirculating air operation	6169315																	
	6169316																	
	6169317																	
	6169215	●																
 Wall console for WLE 40 (2 units) Wall console for WLE 75 (2 units)	6904085																	●
	6904086																	●
 Exhaust pipe steel sheet, hot-dip aluminium	1.0 m long, 150 mm Ø								●	●	●	●	●	●	●	●	●	●
	1.0 m long, 200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
	0.5 m long, 150 mm Ø								●	●	●	●	●	●	●	●	●	●
	0.5 m long, 200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 T-piece	150 mm Ø								●	●	●	●	●	●	●	●	●	●
	200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 45° angle	150 mm Ø								●	●	●	●	●	●	●	●	●	●
	200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 90° angle	150 mm Ø								●	●	●	●	●	●	●	●	●	●
	200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 Wall duct	150 mm Ø								●	●	●	●	●	●	●	●	●	●
	200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 Exhaust pipe with integrated rain hood	150 mm Ø								●	●	●	●	●	●	●	●	●	●
 Rain hood	150 mm Ø								●	●	●	●	●	●	●	●	●	●
	200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 Bracket for wall fixing	150 mm Ø								●	●	●	●	●	●	●	●	●	●
	200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 Dirt bag with cleaning cap	150 mm Ø								●	●	●	●	●	●	●	●	●	●
	200 mm Ø	●	●						●	●	●	●	●	●	●	●	●	●
 Drum fixing Tank fitting	990 l tank – 2-hose	●							●	●	●	●	●	●	●	●	●	●
	990 l tank – 1-hose	6169196							●	●	●	●	●	●	●	●	●	●
	1000 l tank – 2-hose	6169221	●	●					●	●	●	●	●	●	●	●	●	●
	1000 l tank – 1-hose	6169220	●	●					●	●	●	●	●	●	●	●	●	●
 Drum large tank heating	to max. 2000 l	6169222	●	●					●	●	●	●	●	●	●	●	●	●
		6904053	●	●					●	●	●	●	●	●	●	●	●	●
 Tank 990 l, double-walled, consisting of: Plastic tank and galvanised outer shell, including content level indicator, leak display and hand pump, as well as storage and transport approval		6163949	●	●					●	●	●	●	●	●	●	●	●	●
 Weatherproof cover	for 990 l tank	6163937	●	●					●	●	●	●	●	●	●	●	●	●
			●	●					●	●	●	●	●	●	●	●	●	●
 Protective cover, lockable	for 990 l tank	6163946	●	●					●	●	●	●	●	●	●	●	●	●
			●	●					●	●	●	●	●	●	●	●	●	●
 Double-walled steel tank, hot-dip galvanised with transport frame, stackable and movable by crane, approved for outdoor use	445 l	6163948	●	●					●	●	●	●	●	●	●	●	●	●
	1000 l	6163954	●	●					●	●	●	●	●	●	●	●	●	●
 Military canister 20 l		6169192							●	●	●	●	●	●	●	●	●	●

● Standard accessories

○ Optional extras

# Gas heaters:

## The perfect, quick solution for acute heating problems

**Immediate, portable heating, drying, de-icing and temperature controlling: Wilms gas heaters from 10.5 to 103 kW.**

Compared with oil and electric heaters, Wilms gas heaters are considerably lighter, smaller and cheaper for the same level of heat output. As lightweight heaters, they are ideal for applications where mobility is key. Even the most powerful model with a heat output of 103 kW can fit comfortably in a car. Gas heaters can be used in all rooms with sufficient ventilation in which devices with an open flame are permitted. The quality can be seen for itself in the rock-solid, durable design, which is exemplary in terms of both safety and technology, and suitable for use in the toughest of conditions, offering both a long life span and a high level of operational safety. The device power is controlled using a pressure regulator, which ensures consistent performance across long-term operation and in the case of changes to the gas supply pressure.

Three types of heaters (GH ... M) in the power range between 10.5 and 33 kW feature piezo ignition. They can be used wherever manual power setting for all operating situations is sufficient.

Four other types of device (GH ... TH) in the power range between 18 and 103 kW feature automatic ignition and can be operated via a room thermostat or damp room thermostat to regulate temperature, in addition to the aforementioned power setting. The double magnetic valve ensures that the gas feed is securely stopped even if one of the magnetic valves fails. The devices come with a special plug socket for the optional operation via room thermostats. The dummy plug makes it possible to run the devices even when no room thermostat is attached. All Wilms gas heaters are polarity-independent with regards the electricity supply and meet all relevant regulations. They are supplied with hose, pressure reducer and hose breakage protection as standard.

### Gas heaters with piezo ignition

**GH 11 M 10.5 kW**



**GH 16 M 10-16 kW**



**GH 40 M 18-33 kW**



Type	GH 11 M	GH 16 M	GH 40 M
Order no.	<b>1861011</b>	<b>1861016</b>	<b>1861040</b>
Heat output kW	10.5	10-16	18-33
kcal/h	9000	8600-13800	15500-28400
Ignition	Piezo	Piezo	Piezo
Flow rate m <sup>3</sup> /h	300	300	1000
Connection pressure mbar	300	700	750-1500
Gas throughput kg/h	max. 0.764	max. 1.16	max. 2.40
Supply voltage V/Hz	230 / 50	230 / 50	230 / 50
Electrical connection	Schuko plug	Schuko plug	Schuko plug
Dimensions (L x W x H) mm	371 x 188 x 293	471 x 188 x 293	552 x 220 x 342
Weight kg	4.0	4.5	7.5

## Gas heaters with automatic ignition

**GH 40 TH 18-33 kW**



**GH 55 TH 36-53 kW**



**GH 75 TH 49-73 kW**



**GH 105 TH 57-103 kW**



Wilms always includes:  
hose, pressure reducer and  
hose breakage protection.



Only for automatic gas heaters:  
Room thermostat (**Order no. 6159451**)  
and damp room thermostat  
(**Order no. 6159450**), both with 10 m  
cable and special plug.



Multiple canister connections for the  
attachment of a second or even more  
gas canisters.  
(**Order no. 6161450**)



The special plug socket means that all  
automatic gas heaters can be operated  
with a room thermostat or damp room  
thermostat.

Type	GH 40 TH	GH 55 TH	GH 75 TH	GH 105 TH
<b>Order no.</b>	<b>1861045</b>	<b>1861055</b>	<b>1861075</b>	<b>1861105</b>
Heat output kW	18-33	36-53	49-73	57-103
kcal/h	15500-28400	31000-45600	42100-62800	49000-88600
Ignition	Automatic	Automatic	Automatic	Automatic
Flow rate m <sup>3</sup> /h	1000	1450	2300	3260
Connection pressure mbar	750-1500	750-1500	750-1500	750-2000
Gas throughput kg/h	max. 2.4	max. 3.78	max. 5.02	max. 6.66
Supply voltage V/Hz	230 / 50	230 / 50	230 / 50	230 / 50
Electrical connection	Schuko plug	Schuko plug	Schuko plug	Schuko plug
Dimensions (L x W x H) mm	552 x 220 x 342	605 x 276 x 444	685 x 276 x 444	873 x 322 x 485
Weight kg	7.5	13.0	15.0	20.3

# Electric heaters

With axial fan 230 and 400 V

Wilms electric heaters are ideal for the quick and easy heating of smaller spaces, such as workshops, showrooms and exhibition spaces, warehouses and portacabins.

Unlike oil and gas heaters, electric heaters do not consume any oxygen, so there is no need for any ventilation openings. As a result, they can be used in spaces with little or no ventilation.

The Wilms electric heaters are distinguished by their durable design. They come with a powder-coated metal casing for heavy-duty long-term use. The enclosed, rustproof heating elements guarantee high operational safety and a long life span. The **three-phase AC devices** can be set to different power settings and can also be used as fans.



## EL 2 and EL 4 Portable AC heaters with room thermostat



**EL 2**  
Handy, portable and very quiet heater with three heating settings and one fan setting. Continuous operation possible thanks to integrated thermostats.



**EL 4**  
Portable, quiet heater with 3.3 kW heat output. Permanent operation possible thanks to integrated thermostats.

## EL 12 and EL 20 Powerful three-phase AC heater for continuous operation



**EL 12**  
Three-phase AC heater with three heating settings and one fan setting. Heat output up to 10 kW. With two carry handles and castors for great manoeuvrability.



**EL 20**  
Powerful three-phase AC heater with three settings and up to 18 kW heat output. Includes fan function.

Type	EL 2	EL 4	EL 12	EL 20
Order no.	2800002	2800004	2800012	2800020
Heat output kW	0.65/1.3/2.0	3.3	5.0/7.5/10.0	9.0/13.5/18.0
kcal/h	560/1120/1720	2840	4300/6450/8600	7740/11600/15500
Flow rate m <sup>3</sup> /h	190	300	600	850
Supply voltage V/Hz	230 / 50	230 / 50	3 x 400 / 50	3 x 400 / 50
Electrical connection	Schuko plug	Schuko plug	5-pole CEE plug	5-pole CEE plug
Nominal current A	2.9/5.7/8.5	14.35	15.0	26.0
Thermal cut-out	Standard	Standard	Standard	Standard
Dimensions (L x W x H) mm	210 x 200 x 315	300 x 275 x 360	425 x 420 x 600	425 x 420 x 600
Noise level dB(A)	48	63	56.1	54.8
Room thermostat	Built-in	Built-in	Built-in	Built-in
Weight kg	3.8	11.2	30.0	30.0

# Electric heaters

With radial fan 230 and 400 V

## EL 3 Alternating current



- Portable, multi-purpose heater
- Free-blowing or for use with hot air hose
- Integrated room thermostat
- Can be used as a fan
- Durable, long-lasting design for professional use
- For harsh operating conditions

## EL 9 Three-phase alternating current



- Portable, two-level three-phase AC heater
- Free-blowing or for use with hot air hose
- Integrated room thermostat
- Can be used as a fan
- Device with reverse polarity protection
- Durable, long-lasting design for professional use
- For harsh operating conditions

## EL 15 Three-phase alternating current



- Portable, three-level three-phase AC heater
- Free-blowing or for use with hot air hose
- Integrated room thermostat
- Can be used as a fan
- Device with reverse polarity protection
- Durable, long-lasting design for professional use
- For harsh operating conditions



Controls are easy to see and protected – for all EL models.



All EL models can be operated using hot air hoses:

EL 3 Order no. 6169156  
 EL 9 Order no. 6169157  
 EL 15 Order no. 6169158



Clear design with double-sided suction radial fan – for all EL models.

Type	EL 3	EL 9	EL 15
Order no.	2900003	2900009	2900015
Heat output kW	3.0	4.5 / 9	6.0 / 9.0 / 15.0
kcal/h	2580	3870 / 7740	5160 / 7740 / 12900
Flow rate m <sup>3</sup> /h	200	450	900
Supply voltage V/Hz	230 / 50	3 x 400 / 50	3 x 400 / 50
Electrical connection	Schuko plug	5-pole CEE plug	5-pole CEE plug
Nominal current A	13	12.9	22
Thermal cut-out	Standard	Standard	Standard
Dimensions (L x W x H) mm	400 x 335 x 310	680 x 335 x 310	990 x 515 x 485
Noise level dB(A)	44	57	62
Room thermostat	Built-in, ventilated	Built-in	Built-in
Exhaust vent Ø mm	100	120	150
Weight kg	11.0	18	33

# Electric heaters

With **ceramic heating aggregate** and axial fan

**NEW PRODUCT**

The first ceramic heaters from Wilms. As with all Wilms products, these are solidly built and durable heaters, designed for portable use and a wide range of applications.

The heaters are super quiet and, as such, are ideal for situations where a low level of noise is required.

The compact heaters are ideal for combining with dehumidifiers.

The heat is almost immediate thanks to the ceramic heating elements. It can be adjusted across two heating levels.

The ceramic heaters feature a built-in room thermostat, so can function independently.

Tilt protection ensures that the heaters automatically cut out should they fall over.



Easy operation thanks to the adjustable heating levels and room thermostat.

**CH 2000 2.0 kW / CH 5000 5.0 kW**



Here: CH 2000; CH 5000 not shown (similar)

Type	CH 2000	CH 5000
Order no.	2702000	2705000
Heat output kW	1.2 / 2.0	2.5 / 5.0
Flow rate m <sup>3</sup> /h	95	285
Supply voltage V/Hz	230 / 50	3 x 400 / 50
Electrical connection	Schuko plug	5-pole CEE plug
Nominal current A	9.1	22.6
Thermal cut-out	Standard	Standard
Dimensions (L x W x H) mm	205 x 130 x 260	400 x 230 x 400
Noise level dB(A)	50	65
Room thermostat	Built-in	Built-in
Weight kg	1.4	6.7

# Electric heaters

## Infrared for targeted spot heating

The infrared heater with an output of 3 kW is a great solution for lots of specific heating tasks. As radiant heat is not transferred via the air, it can be used for the targeted heating of objects outdoors, e.g. to keep away the frost, or to dry paint without any air movement.

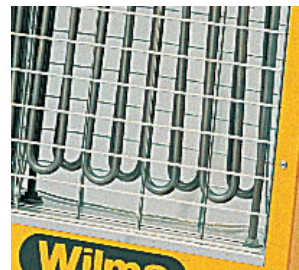
Selective heating is very economical when it comes to working in large and tall spaces, especially when the work is not continuous. Individuals can keep warm, despite the room itself remaining cold.

If your home office is in a poorly heated room, an infrared heater will provide immediate relief: simply plug it in, position the reflector lamp and switch it on.

- Heat transfer without air movement
- For the targeted heating of workplaces
- To dry paint
- No moving parts
- Adjustable heater housing
- Stable stand



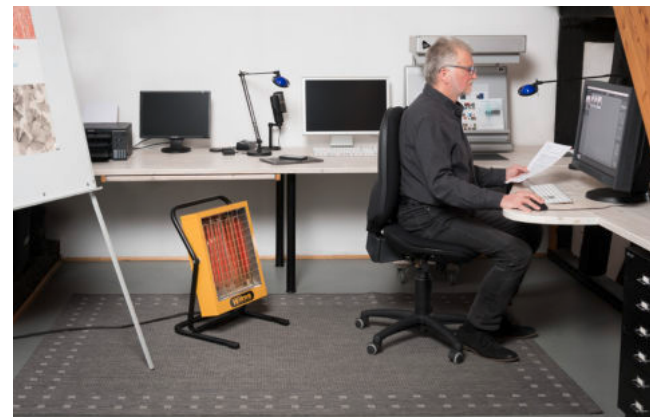
Spot heating rather than room heating for working in vehicle depots



Touch guard to prevent accidental contact with the heating element.



Pivoting heater housing on a stable stand.



Work comfortably in your home office

<b>Type</b>	<b>IR 3</b>
<b>Order no.</b>	<b>2900020</b>
Heat output kW	3.0
kcal/h	2580
Supply voltage V/Hz	230 / 50
Nominal current A	13
Dimensions (L x W x H) mm	320 x 470 x 630
Weight kg	9.0
Electrical connection	Schuko plug

Perfection on principle.



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