

# Oil heating units

... were specially designed for the tough demands of rental use and offer professionals a multitude of possible building heating applications, such as the heating of tents, workshops, exhibition rooms, halls etc.

PRACTICAL ADVANTAGES:	
<b>ID-500 and ID-800:</b>	
Single pipe system	
Brand burner with high degree of efficiency	
Electrical oil pre-heating	
Burner cover with protection bar, rain cap and oil sump	
Fully automatic operation with ambient air control	
High pressure axial fan (ID-800), therefore also suitable for long pipe distances	
<b>IDS series:</b>	
Stainless steel combustion chamber	
Double-coated metal housing	
Photocell flame monitoring	
Heat exchanger	

**To ensure that the heat really does reach the house or object...**



**Air transport hoses** in different lengths and designs.


**Solutions in and around tank filling...**



Holding tanks and waste tanks, drum fittings and tank heating...

**You will find these and many more practical solutions in the chapter "General accessories" from page 58.**

**Keyword: temperature measurement!**



You're looking for a quick and easy method to measure room temperature, relative or absolute humidity or the dew point?

**You'll find the multi-purpose measuring device you're looking for in our theme catalogue "Measurement".**



In addition to their high heating performance, the many practical features of these indirect oil heaters set them apart. The narrow construction enables them to negotiate even confined building site areas and narrow doors.

The appliances from the IDS series are ideal for use in storage rooms, workshops, on building sites, in greenhouses or animal breeding stations.

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## ID-500 – a multitude of building heating applications

The ID-500 supplies the heat you need, where you need it when winter suddenly sets in or when scheduled work cannot be postponed. This makes you independent, because finishing building work on time means also being able to work during cold seasons. Structures, materials and workplaces have to be protected.

The mobile oil heater only needs to be in place during the desired operating period in order to deliver immediate warmth, without pre-heating, when required.

### Practical advantages:

- Single pipe system
- Fan-assisted oil burner, branded make, replaceable in minutes
- Electrical oil pre-heating
- Extremely low exhaust gas losses leading to higher burning co-efficient and optimum economy
- Connecting plug for ambient thermostatic control
- Receptacles for fork lifter (optional)



Ideal for heating workshops and halls...

## ID-800 – Offload, set-up, heat...

One particular advantage is the compact design of this oil heater. All components, from the controller to the burner, are located in closed housings. Quick assembly and disassembly is thus no problem.

The air is directly heated by a specially developed high performance heat exchanger and exhausted into the room to be heated by means of a powerful fan. The instant heat doesn't go the long way around through a medium such as water. So it's no wonder that at least 90 % of the input energy is converted directly into useable energy.

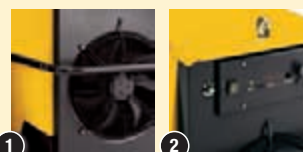
### Practical advantages:

- Single pipe system
- Fully automatic operation with room thermostat
- Heating in winter, ventilation in summer
- Easy assembly and disassembly with truck, crane or fork lifter
- Standard chassis
- Multiflex oil pre-heating



Standard: fork lift slots for easy transport

### ID-500 features



Powerful, specially optimised sickle-blade fans (1) and user-friendly switch and operating panel (2);

Closed burner cover (3) and service-friendly oil burner (4)



### Mobile oil heaters from the IDS series

The indirect oil heaters from the IDS series stand out due to their value-for-money and their sturdy construction makes them suitable for the widest variety of applications in the building trade, agriculture and industry.

In order to avoid an oxygen deficit, sufficient room ventilation is necessary.

### Convincing practical advantages:

- Photocell flame monitoring
- Overheating thermostat and run-on ventilation
- Stainless steel combustion chamber
- Heat exchanger
- Double-coated metal housing
- Tank with fluid level indicator
- Housing remains safely cool
- Simple maintenance

### Accessories for oil heating units:

#### Warm air conduction:

Attachment, 2 connections 400 mm, Article no. HE5001010  
Attachment, 3 connections 300 mm, Article no. HE5001010



#### Distributors for pipes:

**Y-piece** (left) for ID-800/800 HZE: 1 x 600 to 2 x 600 mm. Article no. HE5001008

**T-piece 45°** (right) for ID-500: 1 x 500 to 1 x 300/1 x 500 mm; for ID-800/800 HZE: 1 x 600 to 1 x 300/1 x 600 mm.



#### Exhaust gas flue:

**Flue pipe**, length 1 m, available in Ø 200 mm for ID-500/ ID-800. Article no. HE5001072

**Rain caps**, available in Ø 200 mm for ID-500/ID-800. Article no. HE5001079



#### Thermostats:

##### For ID-500/-800:

**RT2**, room thermostat 0-37 °C, with 10 m cable and plug. Article no. HE4101100

##### For IDS-series:

**TH5**, room thermostat 0-36 °C with 3 m cable and plug. Article no. HE4101103



Further accessories for oil heating units on request.

Technical data	ID-500	ID-800
Article no.	H041000503	H041000800
Heating capacity kW / kcal.	110 / 94,600	146 / 125,560
Fan	Axial	High-pressure radial
Air flow rate m³/h	7,350	12,780
Air pressure Pa max.	220	680
Oil consumption max l/h	11.8	15.7
Temperature increase* ΔT (°C)	52	36
Input voltage /	230 V/50 Hz	400 V/50 Hz
Current consumption	6.0 A	10.0 A
Outlet cone ø mm	500	500
Chimney connection ø mm	200	200
Thermostat connector	standard	standard
Sound level (distance 1 m)	74 dBA	78 dBA
Length mm	2,100	2,380
Width mm	920	785
Height mm	1,350	1,245
Weight kg (with blower oil burner)	312	385

\*ΔT denotes the increase in temperature. The exhaust air temperature is calculated by ΔT + temperature of the ambient air.

Example calculation for the ID-500 oil heating unit at an ambient temperature of 20 °C: ΔT (52) + 20 = 72. The increase in temperature in this example is therefore 72 °C.

Technical data	IDS-20	IDS-30	IDS-45	IDS-80
Article no.	H04100015	H04100017	H04100019	H04100021
Heating capacity kW / kcal. max.	18 / 15,480	33 / 28,380	47 / 40,420	81 / 69,660
Fan	Axial	Axial	Axial	Axial
Air flow rate m³/h	550	1,800	1,800	3,300
Oil consumption max l/h	1.47	2.71	3.9	6.8
Input voltage	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
Current consumption	1.5 A	1.3 A	2.3 A	4.6 A
Outlet cone ø mm	300	350	340	400
Chimney connection ø mm	120	150		
Thermostat connector	standard			
Tank capacity	40 l	65 l	65 l	105 l
Sound level (distance 1 m)	74 dBA	77 dBA	77 dBA	82 dBA
Length* mm	1,100	1,200	1,300	1,600
Width* mm	480	650	650	750
Height* mm	780	1,000	1,000	1,200
Weight kg	40	66	71	112

\*Dimensions including packaging

