

All the heat you need!

THERMOBILE[®]

PRODUCT CATALOGUE | 2015 - 2016



Thermobile "All the heat you need", as the slogan says, offers a suitable solution for any heat request.








For more than 50 years Thermobile Industries BV has specialized in the development, production and international sales and marketing of space heaters. The head office is situated in Breda, The Netherlands.

Thermobile distinguish themselves by the quality, reliability and durability of its products. As our customer we try to offer you additional value. With all heat requests we offer you our support.

The Thermobile products are produced with great care and they are extensively tested. A permanent quality control system, according to ISO 9001:2008, is part of the production process.

Naturally, all Thermobile heaters comply with the most stringent European standards and all models carry the mandatory CE marking and are also in accordance to EAC standard certification.

Legend fuel type

-  diesel/heating oil
-  kerosene
-  propane
-  natural gas
-  universal oil
-  bio oil
-  electricity



Member of  the Honing Beheer Group of Companies

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TA/TAS Direct oil fired

FUEL TYPE



TA 80

TA 40

TA 22/30



Air wheels (option).



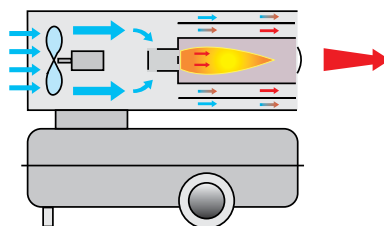
TA 40 (TH) and TA 80 (TH) are standard equipped with a level meter.



Detail tank level meter.

WORKING PRINCIPLE

- Direct heat with 100% efficiency.
- Fixed outlet temperature circa 450 °C.
- Fast temperature rise.
- High pressure pump for diesel or paraffin.
- 1-Way pipe system prevents fuel disturbance.
- TA-models function with photocell flame control.



FEATURES

- Durable phosphate body parts with powder coating.
- Very mobile, economic in use, reliable.
- Safe cool outside housing.
- Tank for 16 hours burning duration.
- Exchangeable components.
- High pressure pump with 1-way pipe system. Conversion kit to 2-way pipe system available for connection to bulk tank (max. length 50 m/height 3 m, depends on diameter of pipe).
- Room ventilation is required.
- TA models with burner relay, photocell flame control and thermostat connection.
- Air wheels for TA 22/30/40/80 available as accessory.
- TA 40 (TH) and TA 80 (TH) models are standard equipped with a level meter.
- TA 40 TH and TH 80 TH are standard equipped with tank heating.



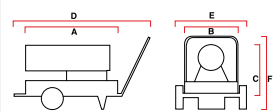
APPLICATIONS

- Agriculture**
 - Heating of sheds and workshops.
 - Drying of agricultural products.
- Horticulture**
 - Heating of greenhouses and polytunnels. (N.B: Only use paraffin and control CO₂ and CO emission).
- Industry**
 - Heating of factories and transit sheds, defrosting of pipework and installations.
- Motor trade**
 - Workshop heating.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | | Heat output (kW) | | Fuel consumption oil max. (l/hr) | Heated air flow (m ³ /hr) | Tank capacity (l) | Power consumption 230 V (AMPS) | Thermostat connection | ITEM NUMBER | |
|------------------|------------------------------------|------|------------------|-------|----------------------------------|--------------------------------------|-------------------|-----------------------------------|-----------------------|-------------|----|
| | | | | | | | | | | | |
| TA 22 | 85,000 | 25.0 | 2.5 | 600 | 40 | 1.0 | Yes | 40.223.000 | | | |
| TA 30 | 102,000 | 30.0 | 2.7 | 600 | 40 | 1.0 | Yes | 40.230.000 | | | |
| TA 40 | 157,000 | 46.0 | 4.5 | 1,200 | 80 | 2.1 | Yes | 40.404.100 | | | |
| TA 40 TH* | 157,000 | 46.0 | 4.5 | 1,200 | 80 | 2.1 | Yes | 40.404.600 | | | |
| TA 80 | 317,000 | 93.0 | 9.0 | 2,150 | 160 | 3.6 | Yes | 40.804.100 | | | |
| TA 80 TH* | 317,000 | 93.0 | 9.0 | 2,150 | 160 | 3.6 | Yes | 40.804.600 | | | |
| TAS 40/80 | (without tank) available on demand | | | | | | | | | | |
| | * with tank heating | | | | | | | | | | |
| | Dimensions heater only (cm) | | | | | | | Dimensions including packing (cm) | | | |
| | A | B | C | D | E | F | KG | L | B | H | KG |
| TA 22 / TA 30 | 105 | - | - | 119 | 48 | 60 | 31 | 110 | 50 | 60 | 34 |
| TA 40 / TA 40 TH | 122 | - | - | 128 | 54 | 80 | 40 | 108 | 54 | 81 | 62 |
| TA 80 / TA 80 TH | 140 | - | - | 173 | 63 | 90 | 69 | 129 | 67 | 94 | 85 |



FUEL TYPE



ITA 75 ROBUST

ITA 45 ROBUST

ITA 35 STANDARD

ITA 45 STANDARD

ITA 75 STANDARD



ITA with an option to connect a jerrycan.



Heat exchanger ITA 35.



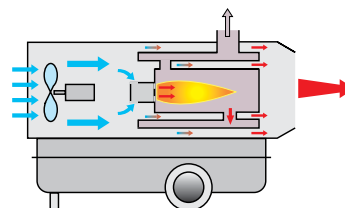
Burner chamber/heat exchanger (ITA 45/75) Thermobile achieves optimum coverage with the unique combination of stainless steel and high-temperature proof steel for the burner chamber and heat exchanger.



ITA 45/75 Robust lifting bracket optional.

WORKING PRINCIPLE

- 100% Clean and dry heat.
- Outlet temperature ΔT approx. 50 °C (At 0 Pa back pressure.).
- Combustion chamber heat resistant up to 850 °C.
- 1-Way pipe system prevents fuel disturbance.
- High efficiency heat exchanger (91%).



FEATURES

- Durable phosphated body panels with powder coating.
- Clean heat due to gas flue connection, heat distribution is possible by means of hoses and highly mobile with fuel tank.
- High pressure pump for diesel or paraffin.
- Tank for 16 hours burning duration, 20-50% more than competitors.
- With burner relay, photocell flame control, overheat protection and thermostat connection.
- High pressure pump with 1-way pipe system. Conversion kit to 2-way pipe system available for connection to bulk tank (max. length 50 m/height 3 m, depends on diameter of pipe).
- Room ventilation is required.
- ITA 35 /45/75 Standard TH are standard equipped with tank heating.
- ITA 45/75 Standard are provided with a level meter.
- ITA 45/75 Standard chimney clamp (optional). See photo page 44.
- ITA 45/75 Robust is robust with ball bearing large wheels, forklift slots, tank level meter and bumper around, lifting bracket set optionally available (see page 41).



APPLICATIONS

Building industry

- Heating and drying of building locations and all-weather projects.
- Drying of buildings after flooding.

Industry

- Heating of transit sheds, workshops and warehouses.

Marquees heating

- Especially suited for heating marquees, showrooms and sports halls.

Agriculture

- Heating stables, sheds and workshops.
- Drying of agricultural products.
- Storing flower bulbs without risk of harmful ethylene emission.

Horticulture

- Heating of greenhouses and polytunnels without risk of harmful CO₂ and CO emission.
- Heating sorting areas.

Motor trade

- Heating workshops, body preparation areas and spray booths.

Emergencies

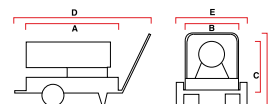
- Ready to use as a mobile emergency heating at disaster and rescue work.

For defense and rescue work there are special heaters with and without tank and the option to connect a jerrycan. There is also a Polar version available for extremely cold conditions. For these heaters there are separate folders available with all the specifications.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | Heat output (kW) | Fuel consumption oil max. (l/hr) | Heated air flow (m ³ /hr) | Max. ventilator back pressure (Pa) | Tank capacity (l) | Power consumption 230 V (AMPS) | Outlet cone Ø (mm) | Flue connection Ø (mm) | Thermostat connection | ITEM NUMBER |
|----------------------|---|------------------|----------------------------------|--------------------------------------|------------------------------------|-------------------|--------------------------------|-----------------------------------|------------------------|-----------------------|-------------|
| | | | | | | | | | | | |
| ITA 35 Standard | 85.000 | 24,8 | 2,4 | 1.500 | 150 | 40 | 1,3 | 300 | 150 | Yes | 41.350.000 |
| ITA 35 Standard TH* | 85.000 | 24,8 | 2,4 | 1.500 | 150 | 40 | 1,3 | 300 | 150 | Yes | 41.350.600 |
| ITA 45 Standard | 154.000 | 45,1 | 4,5 | 3.000 | 200 | 80 | 3,3 | 400 | 150 | Yes | 41.452.100 |
| ITA 45 Standard TH* | 154.000 | 45,1 | 4,5 | 3.000 | 200 | 80 | 3,3 | 400 | 150 | Yes | 41.452.200 |
| ITA 45 Robust ** | 154.000 | 45,1 | 4,5 | 3.000 | 200 | 80 | 3,3 | 400 | 150 | Yes | 41.451.000 |
| ITA 75 Standard | 239.000 | 70,0 | 7,0 | 3.800 | 200 | 120 | 4,0 | 400 | 180 | Yes | 41.751.300 |
| ITA 75 Standard TH* | 239.000 | 70,0 | 7,0 | 3.800 | 200 | 120 | 4,0 | 400 | 180 | Yes | 41.751.400 |
| ITA 75 Robust ** | 239.000 | 70,0 | 7,0 | 3.800 | 200 | 120 | 4,0 | 400 | 180 | Yes | 41.751.200 |
| ITAS 45/75 | (without tank) available on demand | | | | | | | | | | |
| | * with tank heating, ** with tank heating, optionally with lifting brackets | | | | | | | | | | |
| | Dimensions heater only (cm) | | | | | | | Dimensions including packing (cm) | | | |
| | A | B | C | D | E | F | KG | L | B | H | KG |
| ITA 35 Standard (TH) | 120 | - | - | 125 | 49 | 69 | 58 | 129 | 52 | 85 | 76 |
| ITA 45 Standard (TH) | 150 | - | - | 163 | 62 | 90 | 105 | 173 | 68 | 105 | 130 |
| ITA 45 Robust | 148 | - | - | 168 | 69 | 94 | 148 | 186 | 69 | 121 | 170 |
| ITA 75 Standard (TH) | 170 | - | - | 201 | 65 | 98 | 131 | 186 | 69 | 121 | 158 |
| ITA 75 Robust | 162 | - | - | 192 | 69 | 117 | 165 | 202 | 75 | 133 | 192 |



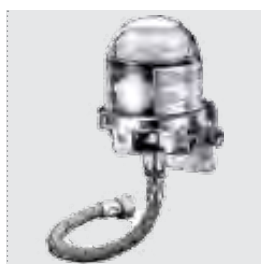
FUEL TYPE



IMA 200 RADIAL IMA 150 RADIAL IMA 111 RADIAL IMA 61 RADIAL



IMA 150 AXIAL IMA 111 AXIAL IMA 61 AXIAL



Tigerloop standard.



"Easy connect" recirculation flange.



Transport frame.



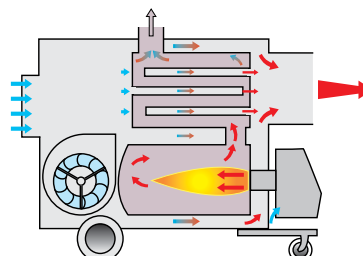
Forklift slots IMA 150.



VFD Fan Speed Controller IMA 111/150/200 Radial HP (factory optional).

WORKING PRINCIPLE

- 100% Clean and dry heat.
- Outlet temperature ΔT 40-60 °C depending on model.*
- Large heat throw.
- Lower tray for oil containment during servicing.
- High efficiency heat exchanger (92%).
- Combustion chamber heat resistant up to 850 °C.
- HP Radial fan for powerful heat distribution.



FEATURES

- Transport frame available on request.
- With overheating protection and temperature limitation of warm air.
- The fan stops at temperatures below 40 °C and does not ventilate cold air when starting up. (Constant ventilation is possible with an extra switch position).
- Fully automatic, controllable with thermostat connection.
- Tigerloop standard, fuel filter with condensate separator.
- Intercal industrial burner with flowcontrol.
- As alternative available with a Riello oil- or gas burner.
- Can be used in combination with Multitanks or other fuel tanks.
- Protection bars all around, big wheels.
- High capacity, easily transportable, compact.
- Burner with rain cover and lower tray for oil containment during servicing.
- Room ventilation is required, fresh air connection available.
- IMA 61/65/111 can pass through a door width of 80 cm.
- IMA 111/150/200 models are equipped with forklift slots.
- Available in 3 fan types:
 - Axial: Up to 130 Pa pressure build-up (to be used without or with single hoses with few curves).
 - Radial: 230 V High pressure fan 300 Pa.
 - EC: 230 V and energy efficient 2-stage adjustable high pressure ventilator. This is more compact than the Radial version.
 - Radial HP: 400 V High pressure fan for extra high pressure (500 Pa) and air flow. Radial fans are essential for heat distribution with hoses.



APPLICATIONS

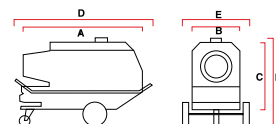
- Building industry**
 - Heating and drying of building sites and all-weather projects.
 - Drying of buildings after flooding.
- Industry**
 - Heating of transit sheds and workshops.
- Marquees heating**
 - IMA models are especially suited for heating marquees, showrooms and sports halls.
- Agriculture**
 - Heating of sheds and storage areas.
 - Drying of agricultural products.
 - Storing bulbs without the risk of harmful ethylene emission.
- Horticulture**
 - Heating of greenhouses and polytunnels without the risk of harmful CO₂ and CO emission.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | Heat output (kW) | Fuel consumption oil max. (l/hr) | Heated air flow (m ³ /hr) | Max. ventilator back pressure (Pa) | Power consumption | Outlet cone Ø (mm) | Flue connection Ø (mm) | Thermostat connection | ITEM NUMBER |
|-------------|----------------------|------------------|----------------------------------|--------------------------------------|------------------------------------|-------------------|--------------------|------------------------|-----------------------|-------------|
| IMA 61 AX | 222,000 | 65 | 6.5 | 4000 | 130 | 3.3/230 V | 400 | 180 | Yes | 41.722.800 |
| IMA 61 RAD | 222,000 | 65 | 6.5 | 4000 | 250 | 6.5/230 V | 400 | 180 | Yes | 41.722.300 |
| IMA 65 EC | 222,000 | 65 | 6.5 | 4.400 | 500 | 5.5/230 V | 500 | 180 | Ja | 41.722.850 |
| IMA 111 AX | 375,000 | 110 | 10.9 | 5800 | 130 | 4.4/230 V | 500 | 200 | Yes | 41.724.800 |
| IMA 111 RAD | 375,000 | 110 | 10.9 | 8000 | 300 | 9.2/230 V | 500 | 200 | Yes | 41.724.207 |
| IMA 111 RHP | 375,000 | 110 | 10.9 | 10000 | 500 | 7.5/400 V | 500 | 200 | Yes | 41.724.210 |
| IMA 150 AX | 512,000 | 150 | 14.8 | 7400 | 100 | 5.7/230 V | 500 | 200 | Yes | 41.726.800 |
| IMA 150 RAD | 512,000 | 150 | 14.8 | 9000 | 300 | 15/230 V | 500 | 200 | Yes | 41.726.650 |
| IMA 150 RHP | 512,000 | 150 | 14.8 | 11000 | 500 | 9/400 V | 500 | 200 | Yes | 41.726.000 |
| IMA 200 RAD | 682,000 | 200 | 19.4 | 10000 | 300 | 15/230 V | 600 | 200 | Yes | 41.728.650 |
| IMA 200 RHP | 682,000 | 200 | 19.4 | 13000 | 500 | 10/400 V | 600 | 200 | Yes | 41.728.010 |

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | KG |
|-------------|-----------------------------|---|---|-----|----|-----|-----|-----------------------------------|-----|-----|-----|
| | A | B | C | D | E | F | | L | B | H | |
| IMA 61 AX | - | - | - | 162 | 71 | 128 | 210 | 203 | 75 | 145 | 230 |
| IMA 61 RAD | - | - | - | 199 | 71 | 128 | 245 | 203 | 75 | 145 | 250 |
| IMA 65 EC | - | - | - | 179 | 71 | 128 | 235 | 203 | 75 | 145 | 275 |
| IMA 111 AX | - | - | - | 179 | 78 | 134 | 295 | 180 | 80 | 145 | 260 |
| IMA 111 RAD | - | - | - | 223 | 78 | 134 | 350 | 241 | 98 | 172 | 325 |
| IMA 111 RHP | - | - | - | 223 | 78 | 134 | 340 | 241 | 98 | 172 | 450 |
| IMA 150 AX | - | - | - | 200 | 84 | 151 | 324 | 210 | 95 | 172 | 440 |
| IMA 150 RAD | - | - | - | 246 | 84 | 151 | 385 | 265 | 95 | 172 | 435 |
| IMA 150 RHP | - | - | - | 246 | 84 | 151 | 385 | 265 | 95 | 172 | 525 |
| IMA 200 RAD | - | - | - | 271 | 91 | 152 | 425 | 300 | 104 | 172 | 525 |
| IMA 200 RHP | - | - | - | 271 | 91 | 152 | 425 | 300 | 104 | 172 | 588 |



FUEL TYPE



ISA 65



Chimney connection ISA 65.



Standard equipped with suspension hooks.



Switch box ISA 65.



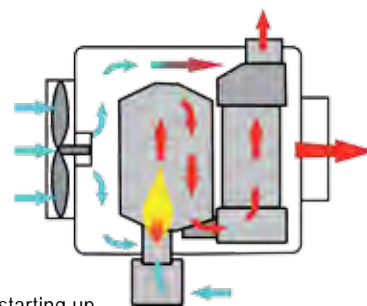
ISA 65 burner and switchbox with optional fan speed control.

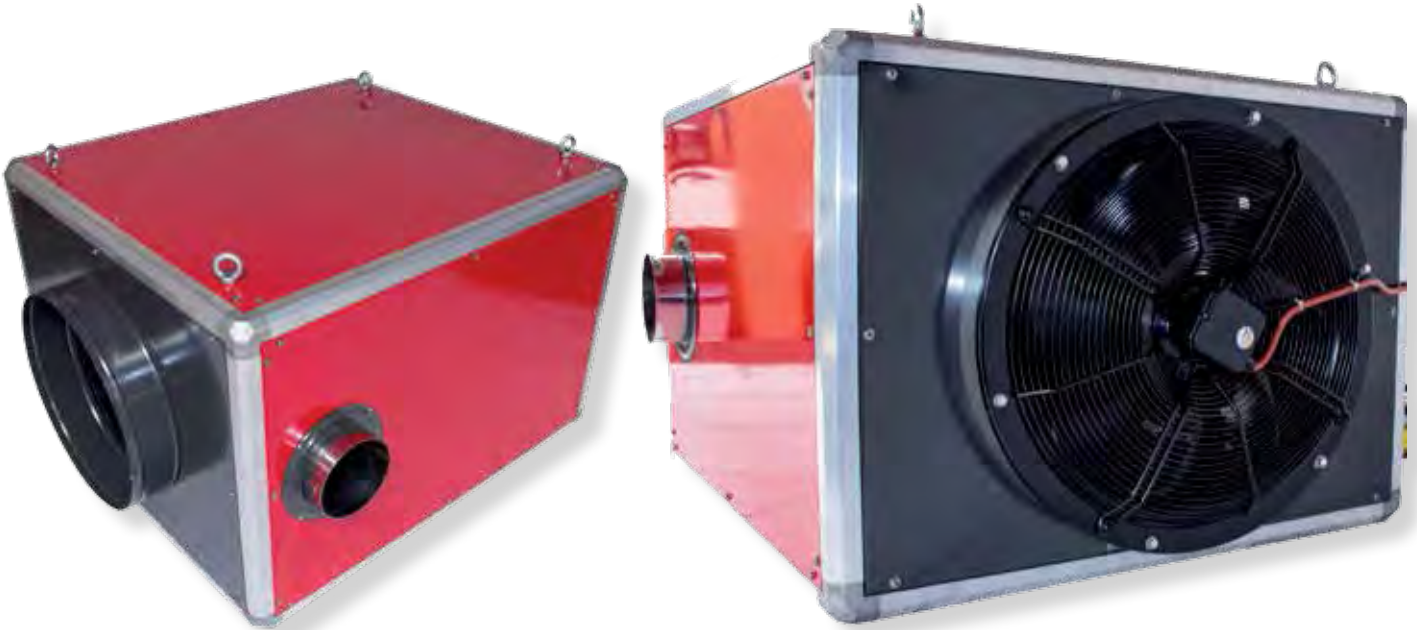
WORKING PRINCIPLE

- 100% Clean and dry heat.
- Outlet temperature ΔT 35 °C.*
- Large air throw.
- High efficiency heat exchanger (92%).
- Combustion chamber heat resistant up to 850 °C.

FEATURES

- With overheating protection and temperature limitation of warm air.
- The fan stops at temperatures below 40 °C and does not ventilate cold air when starting up.
- Fully automatic, controllable with thermostat connection.
- Tigerloop standard, fuel filter with condensate separator.
- Can be used in combination with Multitanks or other fuel tanks.
- Intercal industrial burner with flowcontrol.
- As alternative available with a Riello oil- or gas burner.
- Room ventilation is required, fresh air connection available.
- Fan speed control is optionally available.





APPLICATIONS

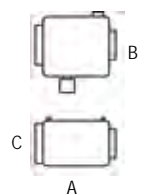
- Industry** • Heating of transit sheds and workshops.
- Marquees heating** • Heating of marquees, showrooms and sports halls.
- Agriculture** • Heating of sheds and storage areas.
- Horticulture** • Heating of greenhouses and polytunnels without the risk of harmful CO₂ and CO emission.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | Capaciteit (kW) | Fuel consumption oil max. (l/hr) | Heated air flow (m ³ /hr) | Max. ventilator back pressure (Pa) | Power consumption (AMPS) | Outlet cone Ø (mm) | Flue connection Ø (mm) | Thermostat connection | ITEM NUMBER |
|-----------|----------------------|-----------------|----------------------------------|--------------------------------------|------------------------------------|--------------------------|--------------------|------------------------|-----------------------|-------------|
| ISA 65 AX | 222,000 | 65 | 6.3 | 6 | 200 | 4/230 V | 500 | 180 | Yes | 41.526.100 |

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | |
|-----------|-----------------------------|-----|----|---|---|---|-----|-----------------------------------|-----|----|-----|
| | A | B | C | D | E | F | | L | B | H | KG |
| ISA 65 AX | 140 | 134 | 81 | - | - | - | 195 | 154 | 148 | 99 | 285 |





IMAC 4000 E

IMAC 2000 S / 2000 EC / 2000 EC 2T / 2200 EC 2T



IMAC 1200 EC / 1500 EC



Full humidity proof switch box with central control panel, pilot lights and digital temperature regulation.



Intercal industrial burner with flow control and lower tray for oil containment.



Stackable construction with crane hooks.



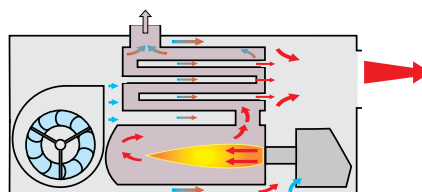
High pressure radial fan for long distance heat throw.



Dual thermostat connection and switch box of IMAC EC models.

WORKING PRINCIPLE

- 100% Clean and dry heat.
- Outlet temperature ΔT 47 °C.*
- Large heat throw.
- Combustion chamber heat resistant up to 850 °C.
- Lower tray for oil containment during servicing.
- High efficiency heat exchanger (92%).
- High Pressure fan for powerful heat distribution.



FEATURES

- Body work in stainless steel.
- Standard with stainless steel frame on box girders with forklift slots.
- Stackable construction with crane hooks.
- Weather resistant and lockable casing.
- High capacity, easily and safely transportable, central control.
- Lockable door panels for control box and burner area with feed through glands for cable and fuel hoses.
- Intercal industrial burner with flow control, as alternative available with a Riello oil- or gas burner.
- Completely automatic burner control with thermostat connection.
- With overheat protection and temperature limitation of warm air.
- Fan and thermal security resettable from control box.
- The IMAC 1200 EC en 1500 EC are standard equipped with a 1x500 mm outlet panel.
- Optional available with 1x600 mm, 4x300 mm, 6x300 mm en 2x500 mm.
- The IMAC 2000 S, IMAC 2000 EC, IMAC 2000 EC 2T en de IMAC 2200 EC 2T are standard equipped with a 1x600 mm outlet panel. Optional are 4x300 mm, 6x300 mm and 2x500 mm available.
- The IMAC 4000 E is available with 3x500 mm, 2x600 mm of 1x800 mm outlet panel.
- A recirculation flange for the IMAC 1200/1500/2000/2200 is available as an accessory.
- The IMAC 4000 E, IMAC 2000 EC 2T en IMAC 2200 EC 2T are equipped with a 2 stage burner and a 2 speed fan.
- The fan of the IMAC 4000 E is controlled by a frequency controller that also functions as a soft starter.
- The IMAC 1200 EC, 1500 EC, 2000 EC, 2000 EC 2T and 2200 EC 2T are standard equipped with an EC fan that can be switched between high and low position. These fans have a standard built-in soft starter and phase control. built.



IMAC 2000 E with gas burner.

IMAC 2000 EC 2T EN 2200 EC 2T

The IMAC 2000 EC 2T en 2200 EC 2T are an optional version of the IMAC 2000 EC. The IMAC 2200 EC 2T has a capacity of 220 kW, a 2 stage burner, two fan speeds, soft start using the built-in frequency controller and a dual thermostat connection. The same applies to the IMAC 2000 S 2T with a capacity of 200 kW. By using two thermostats that are set with a slight difference the heater always automatically operates the burner with the most favourable burner stage. Normally it will burn to the lowest level controlled by the highest set thermostat. If the capacity is not sufficient enough the temperature drops to the lowest setting of the other thermostat and the heater will turn on to high stage. The advantage is that the heater is quieter and more efficient.

APPLICATIONS

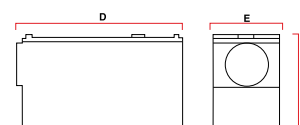
- Building industry** • Heating and drying of building locations and all-weather projects.
 - Drying of buildings after flooding.
- Industry** • Heating of transit sheds, workshops and warehouses.
- Marquees heating** • Especially suited for heating marquees, showrooms and sports halls.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | Heat output (kW) | Fuel consumption oil max. (l/hr) | Heated air flow (m³/hr) | Max. ventilator back pressure (Pa) | Power consumption 400 V (A/MPS) | Outlet cone Ø (mm) | Flue connection Ø (mm) | Thermostat connection | ITEM NUMBER |
|-----------------|----------------------|------------------|----------------------------------|-------------------------|------------------------------------|---------------------------------|--------------------|------------------------|-----------------------|-------------|
| | | | | | | | | | | |
| IMAC 1200 EC | 409,000 | 120 | 11,4 | 8.500 | 500 | 3,5 | 1x500 | 200 | Yes | 41.727.000 |
| IMAC 1500 EC | 495,000 | 145 | 13,6 | 10.000 | 600 | 6 | 1x500 | 200 | Yes | 41.727.500 |
| IMAC 2000 EC | 683,000 | 200 | 20 | 12.000 | 600 | 6 | 1x600 | 200 | Yes | 41.732.000 |
| IMAC 2000 S | 683,000 | 200 | 20 | 12.000 | 600 | 7,5 | 1x600 | 200 | Yes | 41.729.600 |
| IMAC 2000 EC 2T | 477,700/683,000 | 140/200 | 13,9/20 | 9.000/12.000 | 350/600 | 4/6 | 1x600 | 200 | 2 | 41.732.010 |
| IMAC 2200 EC 2T | 477,700/683,000 | 140/220 | 13,9/20,5 | 9.000/12.000 | 350/550 | 4/6 | 1x600 | 200 | 2 | 41.732.020 |
| IMAC 4000 E | 891,000/1,307,000 | 261/383 | 26/38 | 18.000/24.000 | 400/1.000/700 | 9-20-20,3 | 3x500 | 300 | Yes | 41.740.500 |
| IMAC 4000 E | 891,000/1,307,000 | 261/383 | 26/38 | 18.000/24.000 | 400/1.000/700 | 9-20-20,3 | 2x600 | 300 | Yes | 41.740.600 |
| IMAC 4000 E | 891,000/1,307,000 | 261/383 | 26/38 | 18.000/24.000 | 400/1.000/700 | 9-20-20,3 | 1x800 | 300 | Yes | 41.740.800 |

| | Dimensions heater only (cm) | | | | | | | Dimensions including packing (cm) | | | |
|------------------------------|-----------------------------|---|---|-----|-----|-----|-------|-----------------------------------|-----|-----|-------|
| | A | B | C | D | E | F | KG | L | B | H | KG |
| IMAC 1200 / 1500 EC | - | - | - | 220 | 80 | 135 | 467 | 211 | 80 | 135 | 467 |
| IMAC 2000 EC / 2000 S | - | - | - | 240 | 80 | 135 | 545 | 231 | 80 | 135 | 545 |
| IMAC 2000 EC 2T / 2200 EC 2T | - | - | - | 240 | 80 | 135 | 550 | 231 | 80 | 135 | 550 |
| IMAC 4000 E | - | - | - | 385 | 120 | 201 | 1.300 | 385 | 120 | 201 | 1.300 |



ITLS 65 | Indirect oil fired heater

FUEL TYPE



FEATURES

- Stainless steel casing.
- Optimal air flow with adjustable output louvres.
- Heat resistant combustion chamber.
- Closed combustion system.
- Intercal industrial burner. Alternative Riello gas or oil burner.
- Flexible flue material.
- No CO₂ in the house.
- Up to 25% energy saving because of less ventilation being required.
- Less than 1 °C vertical temperature difference.
- Low noise level.
- Switch box and main fan with class IP65 protection.
- Easy to service (with maintenance door at the bottom).
- CE approved.

ITLS 65

This heater is specifically designed for use in poultry houses. The products of combustion are discharged via a flue system and fresh outside air is supplied to the burner. Because there is no moisture blown into the air, this results in drier manure and less ammonia. Due to continuous fan operation (adjustable, but at least 20% with no heat) and taking in warm air from the roof, an optimal heat distribution is obtained. The ITLS 65 is therefore suitable to contribute to a reduction of CO₂ and ammonia concentration in the air. Also, by reducing the required ventilation, it can save up to 25% energy.

WORKING PRINCIPLE

- 100% Clean and dry heat.
- 92% efficiency.
- Fresh air intake for the burner.
- Continuous ventilation of at least 20%.

APPLICATIONS

- Agriculture**
 - Poultry Houses.Agriculture
 - Heating of sheds, and workshops.
 - Drying of agricultural products.
 - Heating of poultry houses.
- Horticulture**
 - Heating of greenhouses and polytunnels. Without risk of harmful CO₂ and CO emission.
- Livestock Industry**
 - Heating of pig and poultry houses.
 - Heating of factories and transit sheds. Without risk of harmful CO₂ and CO emission.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | Heat output (kW/h) | Fuel consumption (l/h) | Heated air flow (m ³) | Power consumption 230 V (AMPS) | Flue connection Ø (mm) | Thermostat connection | ITEM NUMBER |
|-----------------------------|----------------------|--------------------|------------------------|-----------------------------------|--------------------------------|------------------------|-----------------------|-------------|
| ITLS 65 | 222,000 | 65 | 6.5 | 7,500 | 7 | 180 | Ja | 41.526.300 |
| Dimensions heater only (cm) | | | | | | | | |
| | L | W | H | KG | | | | |
| ITLS 65 | 99 | 118 | 166 | 260 | | | | |

FUEL TYPE



ITLS 80

ITLS 80

This indirect fired heater is ideal for use in areas where products of combustion, CO₂ or water vapour may be detrimental and are not required. Combustion gases are discharged via a flue system and the burner is supplied with fresh outside air, ensuring that clean warm air only is blown into the room. Due to its large air throw of 45 metres, a good air circulation and heat distribution is guaranteed and if applicable, less support ventilators are required. Optionally, the heater can be equipped with a modulating burner for more precise temperature control. The heat exchanger is accessible via service panels and the heater can easily be cleaned with compressed air or a high pressure washer. The heater is suitable for both natural gas and propane.

WORKING PRINCIPLE

- 100% clean and dry heat.
- 91,5% efficiency.
- Fresh air supply for the burner.
- Large air throw of 45 meter.
- Low noise level of 68 dBA (5 m).
- Suitable for gas G25, G20 and G31.

FEATURES

- Stainless steel casing.
- Robust tubular heat exchanger.
- Closed combustion system.
- Flexible flue material.
- No CO₂ in the house.
- Up to 25% energy saving due to less ventilation being required.
- Optional modulating burner control.
- Easy to service.
- CE approved.

APPLICATIONS

Agriculture

- Heating of sheds, and workshops.
- Drying of agricultural products.
- Heating of poultry houses.

Horticulture

- Heating of greenhouses and polytunnels. Without risk of harmful CO₂ and CO emission.

Livestock

- Heating of pig and poultryhouses.

Industry

- Heating of factories and transit sheds. Without risk of harmful CO₂ and CO emission.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | Heat output (kW/hr) | Gas consumption max. (m ³ /h) G20/G25 | Gas consumption max. (kg/h) G31 | Air throw (m) | Heated air flow (m ³) | Power consumption 230 V (AMPS) | Thermostat connection | ITEM NUMBER |
|---------|----------------------|---------------------|--|---------------------------------|---------------|-----------------------------------|--------------------------------|-----------------------|-------------|
| ITLS 80 | 273,000 | 80 | 8,1/9,0 | 6,0 | 45 | 6,000 | 4,1 | Yes | 41.800.000 |

Dimensions heater only (cm)

| | L | W | H | KG |
|---------|-----|----|------------|-----|
| ITLS 80 | 179 | 89 | 105 (118*) | 200 |

* Hight including fan.

GA Direct propane gas fired

FUEL TYPE



GA 110 E

GA 60/85 E

GA 42 E

GA 25 E



Servo motor with gasvalve.
(see page 19).



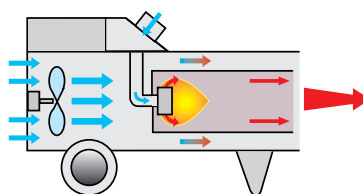
GA 42 with floor- and suspension
brackets.



GA 60/85 with suspensions
brackets.

WORKING PRINCIPLE

- Direct heat with 100% efficiency.
- Adjustable capacity.
- Adjustable outlet temperature between 80-185 °C (1 m).
- Clean burner because of fresh air connection (GA 60 E / GA 85 E en GA 110 E).
- The models from GA 42 E can be connected to a modulating system.



FEATURES

- All GA models with burner relay, ionization flame protection, thermostat connector and hose breakage protection.
- Clean combustion, easy to maintain.
- High capacity for low price.
- Wheels GA 60/85 E available as an accessory.
- Wheels GA 110 E are standard.
- Full humidity and dust proof control panel. (Except GA 25 E)
- Removable exterior cover for service.
- Gas valves with built-in filter. Twin gas valves for safety.
- KIWA-CE certified.
- Room ventilation is required.
- GA 25 is not suitable for stables.
- GA models (except the GA 25 E) can both blow horizontally and vertically (up or down) near a drying system.



APPLICATIONS

Agriculture

- Heating of sheds.
- Drying of agricultural products.

Livestock

- Heating of pig and poultry houses.

Horticulture

- Heating of greenhouses and polytunnels (N.B. control CO₂ and CO emission).

SPECIAL APPLICATION

The portable and mobile models can be connected to gas bottles for onsite use. For larger models sufficient gas pressure must be available and two or even three 47 kg bottles are required. The heaters may also be connected to a bulk propane tank. All GA models (except GA25 E) can be connected to a modulating control unit.

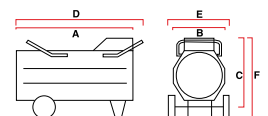
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | | Heat output (kW) | | Fuel consumption gas (kg/hr) | | Heated air flow (m ³ /hr) | Power consumption 230 V (AMPS) | Gas connection Ø (inch) | Gas pressure on heater (bar) | Thermostat connection | ITEM NUMBER |
|----------|----------------------|---------|------------------|------|------------------------------|------|--------------------------------------|--------------------------------|-------------------------|------------------------------|-----------------------|-------------|
| | Min. | Max. | Min. | Max. | Min. | Max. | | | | | | |
| GA 25 E | 43,000 | 85,000 | 12.5 | 25 | 0.9 | 1.8 | 800 | 0.30 | 1/2 | 0.5-1.5 | Yes | 43.030.000 |
| GA 42 E | 48,000 | 150,000 | 18 | 44 | 1.4 | 3.2 | 760 | 0.60 | 1/2 | 0.4-1.5 | Yes | 40.277.000 |
| GA 60 E* | 92,000 | 218,000 | 27 | 64 | 1.9 | 4.6 | 2,400 | 0.64 | 1/2 | 0.4-2.0 | Yes | 40.707.005 |
| GA 85 E* | 133,000 | 317,000 | 39 | 93 | 2.8 | 6.7 | 2,400 | 0.64 | 1/2 | 0.4-2.0 | Yes | 40.707.002 |
| GA 110 E | 184,000 | 444,000 | 54 | 130 | 3.9 | 9.3 | 4,000 | 2.20 | 1/2 | 0.4-2.0 | Yes | 40.710.005 |

* Standard without wheels, for wheel sets see Accessories

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | | KG |
|----------|-----------------------------|----|----|-----|----|----|----|-----------------------------------|----|----|----|----|
| | A | B | C | D | E | F | | L | B | H | | |
| GA 25 E | 55 | 28 | 50 | | | | 13 | 60 | 30 | 55 | 14 | |
| GA 42 E | 58 | 37 | 45 | | | | 16 | 70 | 40 | 50 | 17 | |
| GA 60 E | 100 | 46 | 47 | 109 | 47 | 58 | 36 | 110 | 50 | 60 | 41 | |
| GA 85 E | 100 | 46 | 47 | 109 | 47 | 58 | 36 | 110 | 50 | 60 | 41 | |
| GA 110 E | 118 | 53 | 60 | 118 | 63 | 77 | 55 | 129 | 67 | 94 | 71 | |



GA EV Direct propane fired, vertical

FUEL TYPE



GA 110 EV



GA 60 EV / GA 85 EV

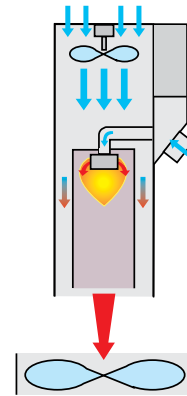
WORKING PRINCIPLE

- Full humidity and dust proof control panel.
- Clean burner because of fresh air connection.
- Removable exterior cover for service.

ADVANTAGES

- GA-EV models can both blow horizontally and vertically. (up or down) near a fan of a drying system.
- Clean combustion.
- Easy to maintain.
- High capacity for low price.
- All GA and GA-EV models have suspension hooks.
- Technical specifications as per GA E models.

Before operation when GA 42/60/85/110 EV are blowing up or down, a technician should rotate the solenoid valve 90 degrees. (more information in the manual).



APPLICATIONS

- Agriculture**
 - Drying and storing of agricultural products.
 - Intense drying of flower bulbs, when a high ventilation standard is required to prevent harmful ethylene emission.

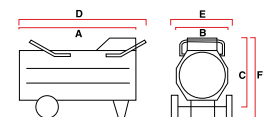
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | | Heat output (kW) | | Fuel consumption gas (kg/hr) | | Heated air flow (m ³ /hr) | Power consumption 230 V (AMPS) | Gas connection Ø (inch) | Gas pressure on heater (bar) | Thermostat connection | ITEM NUMBER |
|-----------|----------------------|---------|------------------|------|------------------------------|------|--------------------------------------|--------------------------------|-------------------------|------------------------------|-----------------------|-------------|
| | Min. | Max. | Min. | Max. | Min. | Max. | | | | | | |
| GA 42 EV | 48,000 | 150,000 | 18.0 | 44 | 1.4 | 3.2 | 760 | 0.60 | 1/2 | 0.4-1.5 | Yes | 40.277.000 |
| GA 60 EV* | 92,000 | 218,000 | 27.0 | 64 | 1.9 | 4.6 | 2,400 | 0.64 | 1/2 | 0.4-2.0 | Yes | 40.707.005 |
| GA 85 EV* | 133,000 | 317,000 | 39.0 | 93 | 2.8 | 6.7 | 2,400 | 0.64 | 1/2 | 0.4-2.0 | Yes | 40.707.002 |
| GA 110 EV | 184,000 | 444,000 | 54.0 | 130 | 3.9 | 9.3 | 4,000 | 2.20 | 1/2 | 0.4-2.0 | Yes | 40.710.005 |

* Standard without wheels, for wheel sets see Accessories

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | | KG |
|-----------|-----------------------------|----|----|-----|----|----|----|-----------------------------------|----|----|----|----|
| | A | B | C | D | E | F | | L | B | H | | |
| GA 42 EV | 58 | 37 | 45 | | | | 16 | 70 | 40 | 50 | 17 | |
| GA 60 EV* | 100 | 46 | 47 | 109 | 47 | 58 | 36 | 110 | 50 | 60 | 41 | |
| GA 85 EV* | 100 | 46 | 47 | 109 | 47 | 58 | 36 | 110 | 50 | 60 | 41 | |
| GA 110 EV | 118 | 53 | 60 | 118 | 63 | 77 | 55 | 129 | 67 | 94 | 71 | |



MODULATING CONTROL UNITS MS 20, MS 40 AND MS 60

With the **MS 60**, a drying plant operating to a maximum of 60 kg of propane gas per hour, 40 kg for the **MS 40** and 20 kg for the **MS 20** can be controlled in which several heaters (also all horizontal models) can be connected.

The modulating control unit ensures that the heat capacity is automatically and constantly adapted to the requirement at any moment. This is a continuous process. The drying of products at highly fluctuating outside temperatures can thus be improved considerably. The desired temperature is set on the control panel which measures the temperature of the crop

by means of a sensor. The panel controls the gas pressure regulator with a servo motor which provides more or less gas flow to the burners and the temperature is adjusted until the preset value is reached. The measured temperature value is digitally readable. The servo motor and the gas pressure regulator of these units are also available separately and can be connected to a central storage computer.

The smaller unit **MS 20** is supplied as a separate controller, gas pressure regulator and servo motor. On this unit 2 to 6 heaters can be connected.

ADVANTAGES

- MS 20:
 - Modulating drying of smaller amounts of crop for an economic price.
- MS 40 and MS 60:
 - Accurate adjustable crop temperature (to 0,1 °C).
 - Saving on cost of fuel.
 - Superior product quality.
 - Modulate different sections at the same time.



Servo motor with gas valve for connection to central computer.



Fire protection system.

MODULATING CONTROL UNITS

| | ITEM NUMBER |
|--|-------------|
| Modulating control unit MS 20 (1-20 kg propane), adjusting range 0.4-2.0 bar, Ø connection 1/4" IN-3/8" OUT, supply 230 VAC | 40.301.018 |
| Modulating control unit MS 40 (1-40 kg propane), adjusting range 0.4-2.0 bar, Ø connection 1/4" IN-3/8" OUT, supply 230 VAC | 40.301.069 |
| Modulating control unit MS 60 (1-60 kg propane), adjusting range 0.4-2.0 bar, Ø connection 1/4" IN-3/8" OUT, supply 230 VAC, 3-point control with manual operation | 40.301.019 |
| Connection accessory for external computer (instead of complete ms): | |
| Modulating gas valve with servo motor MG 60, Ø connection 1/2": | |
| Modulating gas valve with servo motor MG 60, supply 230 VAC 50/60 Hz, 3-point control with manual operation | 40.301.029 |
| Modulating gas valve with servo motor MG 60, supply 230 VAC 50/60 Hz, 3-point control, pot. meter 5K-Ohm for feedback | 40.301.055 |
| Modulating gas valve with servo motor MG 60, supply 24 VAC 50/60 Hz, control 0-10 Vdc | 40.301.056 |
| Modulating gas valve with servo motor MG 60, supply 24 VAC 50/60 Hz, 3-point control, pot. meter 1K-Ohm for feedback | 40.301.052 |
| Modulating gas valve with servo motor MG 60, supply 24 VAC 50/60 Hz, 3-point control | 40.301.054 |
| Modulating gas valve with servo motor MG 40, adjusting range 0.4-2.0 bar, Ø connection 1/2": | |
| Modulating gas valve with servo motor MG 40, supply 230 VAC 50/60 Hz, 3-point control | 40.301.066 |
| Modulating gas valve with servo motor MG 40, supply 24 VAC 50/60 Hz, 3-point control with feedback | 40.301.067 |
| Modulating gas valve with servo motor MG 40, supply 24 VAC, 3-point control | 40.301.072 |
| Modulating gas valve with servo motor MG 40, supply 24 VAC, 0-10 Vdc | 40.301.073 |
| Modulating gas valve with servo motor MG 20, adjusting range 0.4-2.0 bar, Ø connection 1/4" IN-3/8" OUT: | |
| Modulating gas valve with servo motor MG 20, supply 230 VAC 50/60 Hz, 3-point control | 40.301.058 |
| Modulating gas valve with servo motor MG 20, supply 24 VAC 50/60 Hz, control 0-10 Vdc | 40.301.064 |
| Modulating gas valve with servo motor MG 20, supply 24 VAC 50/60 Hz, 3-point control | 40.301.065 |
| Modulating gas valve with servo motor MG 20, supply 24 VAC 50/60 Hz, 3-point control with pot. meter | 40.301.075 |
| Modulating gas valve with servo motor MS 24, (DVGW approved for Germany) supply 230 VAC 50/60 Hz, 3-point control | 40.301.077 |
| Special equipment | |
| Temperature probe PT 100 with 10 m cable | 40.301.033 |
| Temperature probe PTC 1000 with 10 m cable | 40.301.063 |
| Fire protection system for crop drying (propane gas), supply 230 VAC | 40.301.045 |
| Fire protection system for crop drying (propane gas), supply 24 VAC | 40.301.046 |
| - Magnetic gas valve for propane gas, 230 VAC, to place in gas supply pipe (max. 60 kg/hr) | 40.301.047 |
| - Magnetic gas valve for propane gas, 24 VAC, to place in gas supply pipe (max. 60 kg/hr) | 40.301.080 |
| - Magnetic gas valve for propane gas, (DVGW approved for Germany) 230 VAC, to place in gas supply pipe (max. 60 kg/hr) | 40.301.093 |
| - Room-/maximum thermostat 0/60 °C | 40.301.049 |
| Suspension bracket GA 42 E | 40.277.033 |
| Suspension bracket GA 60/85/110 E | 40.301.007 |
| Shell coupling (male 1/2" left thread) | 40.252.259 |
| Gas quick coupling (female 3/8") | 40.301.025 |
| Gas quick coupling (female 1/2") | 40.301.032 |

AGA E Direct propane/natural gas fired

FUEL TYPE



AGA 111 E

AGA 75 E

AGA 45 E



Standard external air suction system with a wall connector for AGA 45/75/102/111 E.



Full humidity and dust proof control panel AGA 45/75 E.



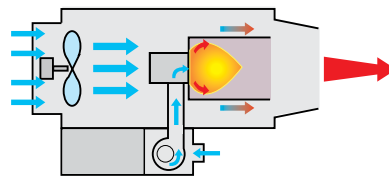
Optional: protection cover for AGA 45 E and AGA 75 E.



Full humidity and dust proof control panel AGA 111 E.

WORKING PRINCIPLE

- Direct heat with 100% efficiency.
- Fixed outlet temperature approx. 100-130 °C.
- Large air throw.
- Clean burner because of fresh air connection.
- Fan for optimum combustion air.



FEATURES

- With fresh air intake to the burner.
- Easy access for service, good heat distribution, easy access for cleaning.
- Full humidity and dust proof control panel containing all electronic components.
- Burner with electronic ignition, ionization protection and thermostat connection.
- Room ventilation is required, even for models with separate fresh air intake to the burner.
- KIWA-CE certified.
- All models can be used horizontally and vertically, blowing either upwards or downwards.
- AGA 45/75/102/111 E are equipped with 5 metres fresh air suction hose, 2 hose clamps and SS wall connector for fresh air intake.
- AGA 100 E is not equipped with fresh air intake to the burner and only suitable for natural gas
- AGA 102 E is standard equipped with fresh air intake and modulating burner, not suitable for propane gas.
- AGA 45/75/111 E suitable for propane and natural gas.

Please note:

- Before ordering please specify gas type.
- When using propane gas or high pressure natural gas a pre-pressure regulator is required.
- For AGA models the following pressure at the heater is required:
AGA 45/75/100/111 E: minimum 25 millibar, maximum 100 millibar.
AGA 102 E: minimum 25 millibar, maximum 50 millibar.
- If the gas supply pressure is higher than the maximum a pressure regulator is required (accessory).
- Installation by approved gas fitter is mandatory.



APPLICATIONS

- Livestock**
 - Heating of pig and poultry houses.
- Agriculture**
 - Drying of agricultural products.
- Horticulture**
 - Heating of greenhouses and polytunnels (N.B. Control CO₂ and CO emission.)

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

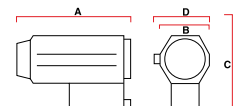
1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output max. (Btu/hr) | | Heat output max. (kW) | | | Gas consumption max. (m ³ /hr) | | | Heated air flow (m ³ /hr) | Power consumption 230 V (AMPS) | Air throw (m) | Gas connection Ø (Inch) | Thermostat connection | ITEM NUMBER |
|-------------|---------------------------|--------|-----------------------|----------|--------|---|-----|----|--------------------------------------|--------------------------------|---------------|-------------------------|-----------------------|-------------|
| | Gas 25* | Gas 20 | Propane | Gas 25* | Gas 20 | Propane | | | | | | | | |
| AGA 45 E | 154,000 | 45 | 5.0 | 4.0 | 3.2 | 2,500 | 1.0 | 15 | 1/2 | Yes | 40.745.200 | | | |
| AGA 75 E | 256,000 | 75 | 8.3 | 7.1 | 5.4 | 4,500 | 1.9 | 25 | 1/2 | Yes | 40.775.200 | | | |
| AGA 100 E** | 358,000 | 105 | 11.2 | 9.0 | 7.5 | 7,000 | 4.8 | 40 | 1/2 | Yes | 40.720.070 | | | |
| AGA 102 E** | 358,000 | 105 | 6.0-13.9 | 4.3-11.2 | - | 7,000 | 5.5 | 40 | 1/2 | Yes | 40.722.100 | | | |
| AGA 111 E | 358,000 | 105 | 11.2 | 9.0 | 7.5 | 7,000 | 5.3 | 40 | 1/2 | Yes | 40.731.050 | | | |

* Gas 25 is used in The Netherlands, in most areas of France and in some areas of Belgium.

** Available on request

| | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | |
|-----------|-----------------------------|----|----|----|---|---|----|-----------------------------------|----|-----|-----|
| | A | B | C | D | E | F | | L | B | H | KG |
| AGA 45 E | 106 | - | 40 | 68 | - | - | 37 | 113 | 84 | 60 | 52 |
| AGA 75 E | 110 | - | 52 | 81 | - | - | 52 | 113 | 84 | 70 | 67 |
| AGA 100 E | 138 | 60 | 85 | - | - | - | 70 | 155 | 75 | 101 | 110 |
| AGA 102 E | 138 | - | 85 | 70 | - | - | 86 | 155 | 75 | 101 | 105 |
| AGA 111 E | 138 | - | 85 | 57 | - | - | 84 | 155 | 75 | 101 | 108 |



ANCILLARIES

Pre-pressure regulator

ITEM NUMBER

40.720.063

Fire protection system for crop drying (natural gas), supply 230 V (24 V execution available optionally), consisting of:

- magnetic gas valve for natural gas, to place in gas supply pipe (execution depending on amount of gas and diameter of pipe)
- room/maximum thermostat 0/60 °C, to place in drying installation

40.301.078

40.301.049

Protection cover for gas unit AGA 45 E and AGA 75 E

40.745.098

Modular regulator for AGA 102 E: RE-THA-6

40.722.018

Connecting module 0-10 Volt, for connection of the AGA 102 E to an external computer

40.722.019

TAS 800 E Direct oil fired | with large air throw

FUEL TYPE



TAS 800 E



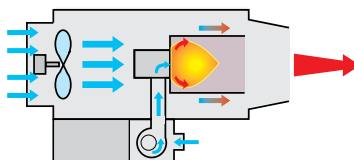
Full humidity and dust proof control panel containing all vulnerable components.



Fresh air intake connection prevents pollution of the burner.

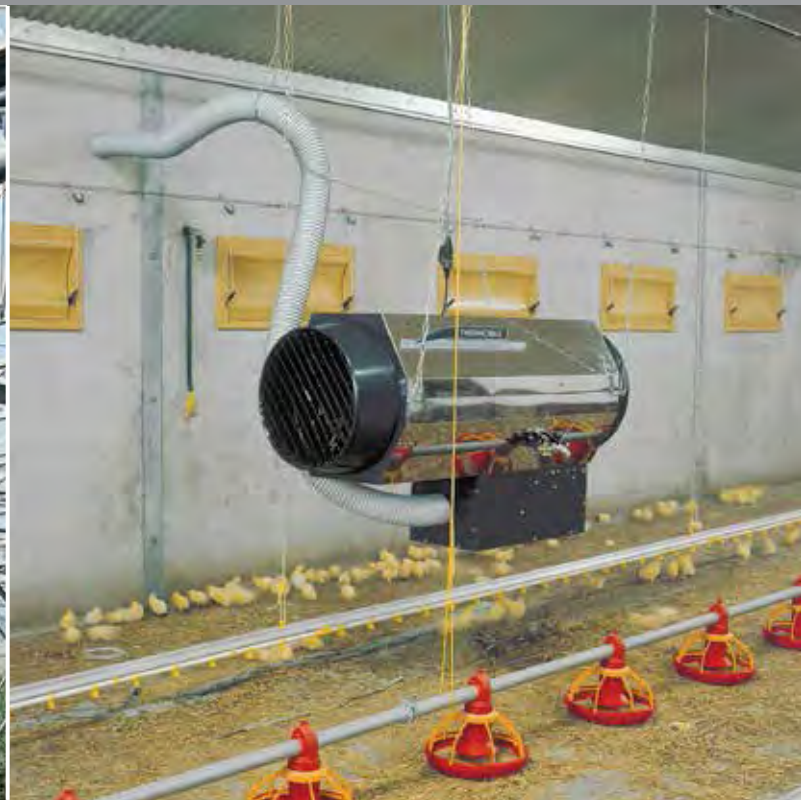
WORKING PRINCIPLE

- Direct heat with 100% efficiency.
- Fixed outlet temperature circa 60-100 °C.
- Large air throw.
- Clean burner because of fresh air connection.
- Fan for optimum combustion air.
- High pressure pump for diesel or paraffin.



FEATURES

- Standard with fresh air intake to the burner.
- Good heat distribution, optimum combustion.
- Full humidity and dust proof control panel.
- Easy access for cleaning.
- Durable phosphated body parts with stainless steel casing.
- Thermostat connection.
- Electric switch components in full humidity and dust proof control panel (IP 54).
- With burner relay, photocell flame control and thermostat connection.
- High pressure pump with 2-way pipe system for connection to bulk tank (max. length 50 m/height 3 m, depends on diameter of pipe).
- Room ventilation is required.



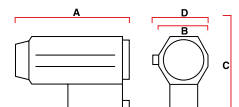
APPLICATIONS

- Livestock • Heating pig and poultry houses.
- Agriculture • Drying of agricultural products.
- Horticulture • Heating of greenhouses and polytunnels (N.B. Control CO₂ and CO emission).

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | Heat output (KW) | Fuel consumption oil max. (l/hr) | Heated air flow (m ³ /hr) | Power consumption 230 V (AMPS) | Air throw (m) | Thermostat connection | ITEM NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|--|------------------|----------------------------------|--------------------------------------|--------------------------------|---------------|-----------------------------------|-----------------------------|----|-----|----|--|--|--|-----------------------------------|--|--|--|---|---|---|---|---|---|----|---|---|---|----|-----------|-----|---|----|----|---|---|----|-----|----|-----|----|--|
| TAS 800 E | 324,000 | 95 | 9.5 | 7,000 | 4.6 | 40 | Ja | 40.467.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th colspan="7">Dimensions heater only (cm)</th> <th colspan="4">Dimensions including packing (cm)</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>KG</th> <th>L</th> <th>B</th> <th>H</th> <th>KG</th> </tr> </thead> <tbody> <tr> <td>TAS 800 E</td> <td>152</td> <td>-</td> <td>85</td> <td>58</td> <td>-</td> <td>-</td> <td>81</td> <td>154</td> <td>74</td> <td>101</td> <td>90</td> </tr> </tbody> </table> | | | | | | | Dimensions heater only (cm) | | | | | | | Dimensions including packing (cm) | | | | A | B | C | D | E | F | KG | L | B | H | KG | TAS 800 E | 152 | - | 85 | 58 | - | - | 81 | 154 | 74 | 101 | 90 | |
| Dimensions heater only (cm) | | | | | | | Dimensions including packing (cm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | B | C | D | E | F | KG | L | B | H | KG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TAS 800 E | 152 | - | 85 | 58 | - | - | 81 | 154 | 74 | 101 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



AT Cabinet universal oil fired | with flue connection and built-in fuel tank

FUEL TYPE



AT 500
(DUCTING SET OPTION)

AT 400
(DUCTING SET OPTION)

AT 307

AT 306



Ducting set for AT 400/500/BioEnergy 2 (optional)



Flue Booster (accessory)

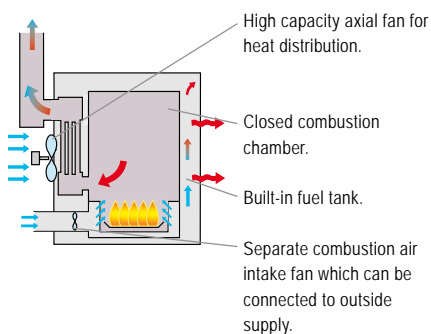


Overflowcup

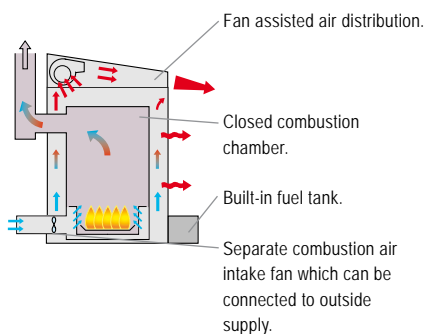


Adjustable- height feet AT 306/307 and AT 400/500

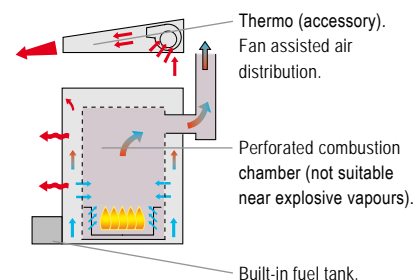
AT 400/500



AT 307



AT 306



WORKING PRINCIPLE

- Built in heat exchanger AT 400/500 for high efficiency.
- Burner draw system AT 400/500 for ease of lighting.
- Ducting set AT 400/500 (option): radial fan and adaptor box for connection to ducting (not available in the UK).

FEATURES

- Durable and safe housing with powder coating.
- Radiation heat on three sides.
- 100% Clean heat.
- Fixed outlet temperature approx. 50-70 °C.
- Internal vapourising burner.
- High/low manual heat regulation.
- Manual ignition system.
- Overheat security thermostat.
- Oil overflow security system.
- Saving on fuel expenses.
- Odourless combustion.
- Built-in day tank.
- For increased efficiency an optional Flue booster is placed in the flue system, so through the heat exchanger and extra fan, free clean air is recuperated.



Built-in overflow protection for burner dish.

APPLICATIONS

- Agriculture**
 - Heating workshops.
- Industry**
 - Heating and frost protection of halls, transit sheds and warehouses.
- Automotive**
 - Heating of garage workshops.

Burning of used oil is not always allowed. Consult your local regulations.

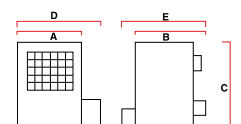
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | | Heat output (kW) | | Fuel consumption oil (l/hr) | | Heated air flow (m ³ /hr) | Tank capacity (l) | Power consumption 230 V (AMPS) | Flue connection Ø (mm) | Thermostat connection | ITEM NUMBER |
|---------------|----------------------|---------|------------------|----|-----------------------------|------|--------------------------------------|-------------------|--------------------------------|------------------------|-----------------------|-------------|
| | Low | Hi | Low | Hi | Min. | Max. | | | | | | |
| AT 306* | 68,000 | 92,000 | 20 | 27 | 2.0 | 2.7 | - | 50 | 0.60 | 150 | No | 41.905.000 |
| Thermo AT 306 | - | - | - | - | - | - | 800 | - | 0.57 | - | No | 41.904.104 |
| AT 307* | 68,000 | 92,000 | 20 | 27 | 2.0 | 2.7 | 800 | 50 | 0.80 | 150 | No | 41.906.000 |
| AT 400 | 82,000 | 140,000 | 24 | 41 | 3.0 | 4.0 | 3,000 | 55 | 1.10 | 150 | No | 41.921.000 |
| AT 500 | 123,000 | 201,000 | 36 | 59 | 4.3 | 6.2 | 3,000 | 55 | 1.20 | 200 | No | 41.911.000 |

* Standard with extra burner dish.

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | | KG |
|------------------------|-----------------------------|----|-----|----|----|---|-----|-----------------------------------|----|-----|-----|----|
| | A | B | C | D | E | F | | L | B | H | | |
| AT 306 excl. Thermo | - | - | 113 | 73 | 54 | - | 60 | 90 | 62 | 131 | 78 | |
| Thermo AT 306 | - | - | 25 | 60 | 56 | - | 17 | 67 | 60 | 32 | 17 | |
| AT 307 | - | - | 137 | 87 | 54 | - | 75 | 90 | 62 | 131 | 93 | |
| AT 400 | 88 | 82 | 108 | - | - | - | 135 | 102 | 87 | 122 | 168 | |
| AT 500 | 88 | 82 | 129 | - | - | - | 175 | 102 | 87 | 141 | 211 | |
| Ducting set AT 400/500 | - | - | - | - | - | - | - | 109 | 50 | 59 | 27 | |



ANCILLARIES

| | |
|---|------------|
| Extra burner dish AT 306/307 | 41.900.521 |
| Extra burner dish AT 400/500 | 41.910.145 |
| Ducting set** for AT 400/500 (ducting connector and radial fan) | 41.910.300 |
| Flue booster | 41.906.300 |

** Not available in the U.K.



BIOENERGY 1

BIOENERGY 2

FEATURES

- Saves on fuel costs.
- Environmentally friendly.
- Low emissions of harmful gases.
- Built in tank.
- BioEnergy 1 has radial fan, BioEnergy 2 has axial fan.
- Type of fuel: rapeseed oil and certain vegetable oils.
- BioEnergy 2 has a built in heat exchanger for high performance.
- BioEnergy 2 ducting set (optional) radial fan and duct for connection of air ducts.
- Odourless burning.
- High/low capacity control.
- Capacities of 27 and 41 kW.
- To control chimney draught and facilitate drainage of condensate water, a T-piece with draught stabiliser and condensate trap is included.



Ducting set for BioEnergy 2 (optional)



Flue Booster (accessory)



Overflowcup



Adjustable- height feet for BioEnergy1 and BioEnergy2

APPLICATIONS

Agriculture

- Heating workshops, sheds, garages and warehouses.

Automotive

- Heating garage workshops and warehouses.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

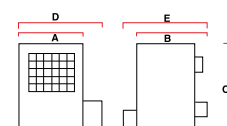
1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/hr) | | Heat output (kW) | | Fuel consumption oil (l/hr) | | Heated air flow (m³/hr) | Tank capacity (l) | Power consumption 230 V (AMPS) | Flue connection Ø (mm) | Thermostat connection | ITEM NUMBER |
|--------------|----------------------|---------|------------------|------|-----------------------------|------|-------------------------|-------------------|--------------------------------|------------------------|-----------------------|-------------|
| | Min. | Max. | Min. | Max. | Min. | Max. | | | | | | |
| BioEnergy 1* | 68,000 | 92,000 | 20 | 27 | 2 | 2.7 | 800 | 50 | 0.8 | 150 | No | 41.906.150 |
| BioEnergy 2 | 82,000 | 140,000 | 24 | 41 | 3 | 4.0 | 3,000 | 55 | 1.1 | 150 | No | 41.921.150 |

* Standard with extra burner dish.

| | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | | KG |
|-----------------------|-----------------------------|----|-----|----|----|---|-----|-----------------------------------|----|-----|-----|----|
| | A | B | C | D | E | F | | L | B | H | KG | |
| Thermo* | - | - | - | - | - | - | - | 67 | 60 | 32 | 17 | |
| BioEnergy 1 | - | - | 137 | 87 | 54 | - | 75 | 90 | 62 | 131 | 93 | |
| BioEnergy 2 | 88 | 82 | 108 | - | - | - | 135 | 102 | 87 | 122 | 168 | |
| Kanaalkit BioEnergy 2 | - | - | - | - | - | - | - | 109 | 50 | 59 | 27 | |

* Thermo is separately packed.



Ancillaries

| | ITEM NUMBER |
|--|-------------|
| Burner dish for BioEnergy 2 | 41.910.145 |
| Burner dish for BioEnergy 1 | 41.900.521 |
| Ducting set for BioEnergy 2 (ducting connector and radial fan) | 41.910.300 |
| Flue booster | 41.906.300 |



PRODRY 80

PRODRY 55

PRODRY 35

ProDry 35/55 stacked

ProDry 35/55 with
condensate collection
tank.

ProDry 80
With fixed drainage.

FEATURES

- ProDry 35/55 equipped with condensate collection tank with overflow prevention.
- Connection for fixed drainage (ProDry 80 standard).
- Ex works there is an optional version available with a built-in condensate pump.
- Quick dehumidification of the air.
- Compact dehumidifiers with high capacities.
- Heavy-duty handle makes transport easier.
- Control panel with warning lights for defrosting and full tank.
- Fully automatic operation with electronic control of condensation and defrosting process.
- Low-noise compressor and fan.
- Simple operation.
- Equipped with hour counter and hygostat.
- Stackable



Operating panel.

APPLICATIONS

- General**
- Drying of flooded basements, halls and archives.
 - Drying of structural works.
 - To dry damp areas.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Capacity (l-24hr) | | Operating range | Air flow (m ³ /h) | Power consumption 230 V (AMPS) | Tank capacity (l) | ITEM NUMBER |
|----------------------|-------------------|--------------|-----------------|------------------------------|--------------------------------|-------------------|-------------|
| | Max. | 25 °C/65% RV | | | | | |
| ProDry 35 | 30 | 17.2 | 2-32 | 350 | 2.7 | 6 | 50.500.350 |
| ProDry 55 | 55 | 35.0 | 2-32 | 600 | 3.5 | 6 | 50.500.550 |
| ProDry 80 | 80 | 48.0 | 2-32 | 850 | 4.8 | - | 50.500.800 |
| Multibar tube (p.m.) | | | | | | | 00.003.207 |

| | Dimensions ProDry only (cm) | | | | | | | Dimensions including packing (cm) | | | |
|-----------|-----------------------------|---|-----|----|----|---|----|-----------------------------------|----|----|----|
| | A | B | C | D | E | F | KG | L | B | H | KG |
| ProDry 35 | - | - | 82 | 54 | 55 | - | 35 | 60 | 53 | 68 | 38 |
| ProDry 55 | - | - | 96 | 54 | 55 | - | 38 | 63 | 54 | 78 | 43 |
| ProDry 80 | - | - | 115 | 60 | 71 | - | 61 | 65 | 70 | 67 | 65 |

CH/VTB/ProHeat 18 Electric Heaters

FUEL TYPE



Hose system to reach difficult areas.



Thermostat for CH 12/18, see accessories

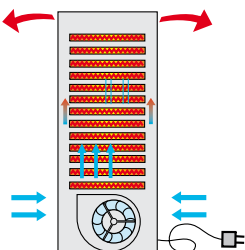
Electric heaters are especially applicable in rooms where:

- Available oxygen cannot be spared for combustion.
- No open flame is allowed.
- Clean dry heat is essential.
- Low noise level is required.
- An odour free environment is necessary.
- All 400 volt 3-phase heaters are provided with a 5 pin plug in which the 3 phases and earth are connected

WORKING PRINCIPLE

PROHEAT 18

- Thermostat connection.
- Stainless steel elements.
- Radial fan for larger heat throw.
- 100% Clean and dry heat.
- Fixed outlet temperature approx. 40-120 °C.
- Space and spot heating.
- Higher outlet temperature.



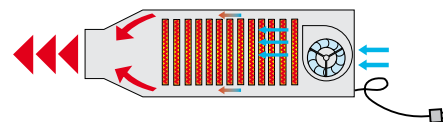
FEATURES

- Three sided outlet opening.
- Bodywork in stainless steel.
- 9 kW and 18 kW capacity.
- External thermostat is optional.
- Comfortable heat.
- Suitable for closed areas.
- Can be used instantly where power is available.

WORKING PRINCIPLE

VTB/CH

- Built-in thermostat (only VTB).
- Stainless steel elements.
- Radial fan for extra heat throw (VTB).
- Axial fan (CH).
- 100% Clean and dry heat.
- Fixed outlet temperature approx. 40-100 °C.
- Space and spot heating.
- Higher outlet temperature.



FEATURES

- Hose connection possible.
- VTB 3000/9000 with hand grip.
- CH 3/12/18 with hand grip.
- VTB 15000/18000 with wheels.
- CH 12/18 with wheels.
- Comfortable heat.
- Suitable for closed areas.
- Can be used instantly where power is available.



APPLICATIONS

- Building industry** • Heating and drying out rooms, often in conjunction with a dehumidifier.
- Industry** • Heating of offices, canteens, stores, warehouses etc.
- Livestock** • Heating poultry houses.
- Horticulture** • Heating of sorting areas and greenhouses.
- Agriculture** • Heating of livestock areas, dairy parlours, workshops and packing sheds.

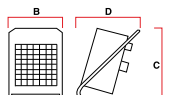
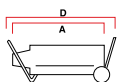
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | | Heat output (Btu/hr) | | Voltage (V) | Heated air flow (m³/hr) | | Adjustment range (kW) | Delta T (°C) | Power consumption (AMPS) | Outlet connection Ø (mm) | Thermostat | ITEM NUMBER |
|------------|------|----------------------|----|-------------|-------------------------|-------|-----------------------|--------------|--------------------------|--------------------------|------------|-------------|
| | | 3,4) | 18 | | Min. | Max. | | | | | | |
| ProHeat 18 | 3,4) | 61,000 | 18 | 3x400 | - | 1,000 | 0-9-18 | 120 | 13-26 | - | Yes | 40.018.000 |
| VTB 3000 | 1) | 9,560 | 3 | 1x230 | - | 225 | 0-3 | 60 | 13 | 98 | Yes | 40.107.030 |
| VTB 9000 | 2) | 31,000 | 9 | 3x400 | - | 550 | 0-4-5-9 | 100 | 11,5-13 | 120 | Yes | 40.107.035 |
| VTB 15000 | 3) | 51,000 | 15 | 3x400 | - | 1,000 | 0-6-9-15 | 38-60-100 | 8-14-23 | 150 | Yes | 40.107.025 |
| VTB 18000 | 3) | 61,000 | 18 | 3x400 | - | 1,000 | 0-9-18 | 70-110 | 14-26 | 150 | Yes | 40.107.040 |
| CH 3 | 1) | 10,000 | 3 | 1x230 | - | 250 | 0-3 | 60 | 13 | 160 | External | 40.107.091 |
| CH 12 | 3) | 41,000 | 12 | 3x400 | - | 600 | 0-6-9-12 | 100 | 18 | 300 | External | 40.107.092 |
| CH 18 | 3) | 61,000 | 18 | 3x400 | - | 1,500 | 0-9-13.5-18 | 90 | 26 | 300 | External | 40.107.093 |

1) with 230 V-cable 2) with 400 V-cable and 16 AMPS plug 3) with 400 V-cable + 32 AMPS plug 4) Provide with thermostat connection.

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | | KG |
|------------|-----------------------------|----|----|----|---|---|----|-----------------------------------|----|----|----|----|
| | A | B | C | D | E | F | | L | B | H | | |
| ProHeat 18 | - | 40 | 97 | 51 | - | - | 40 | 107 | 70 | 57 | 53 | |
| VTB 3000 | - | 34 | 31 | 40 | - | - | 11 | 45 | 36 | 35 | 12 | |
| VTB 9000 | - | 34 | 31 | 68 | - | - | 18 | 72 | 36 | 35 | 21 | |
| VTB 15000 | - | 86 | 52 | 48 | - | - | 33 | 102 | 46 | 51 | 39 | |
| VTB 18000 | - | 86 | 52 | 48 | - | - | 33 | 102 | 46 | 51 | 39 | |
| CH 3 | 38 | 28 | 39 | - | - | - | 11 | 38 | 28 | 38 | 13 | |
| CH 12 | 66 | 37 | 45 | - | - | - | 23 | 65 | 37 | 45 | 25 | |
| CH 18 | 55 | 43 | 58 | - | - | - | 28 | 55 | 42 | 58 | 30 | |



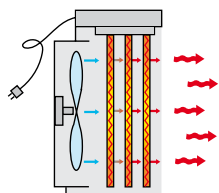
BX/TBD 18 Electric Heaters

FUEL TYPE



WORKING PRINCIPLE BX

- Built-in thermostat.
- Stainless steel elements.
- 100% Clean and dry heat.
- Fixed outlet temperature approx. 30-60 °C (2 steps on BX 9).
- Selector switch for continuous fan operation or thermostat controlled fan operation.

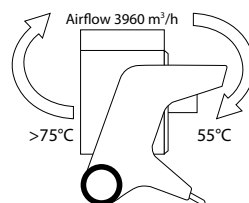


FEATURES

- Combined frame suitable for suspension as well as carrying.
- Stackable.
- Comfortable heat.
- Suitable for closed areas.
- Can be used instantly where power is available

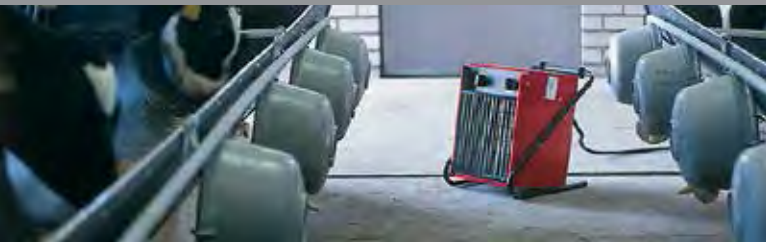
WORKING PRINCIPLE TBD 18 (PC)

- The ambient air is sucked in from a powerful fan and heated by heating elements with a total capacity of 18 kW.
- The heated air can be directed with precision to the desired site.
- The device is equipped with a thermostat that is freely adjustable up to a maximum intake temperature of 55 °C, which results in an outlet temperature of at least 75 °C. The TBD 18 is restricted at 55 °C outlet temperature and not suitable for Pest Control.
- Multiple protections against overheating.
- Controllable by remote thermostat.



FEATURES

- Suitable for closed areas.
- Can be used instantly where power is available.
- Can be installed in areas with higher temperatures and thus extremely well applicable for thermal pest control (PC version only).
- Built-in thermostat.
- Stainless steel elements.
- Airflow can be properly directed by tilting principle.
- Thanks to wheels very mobile and easy to move.
- Easy to set up, little preparation.
- Powerful air circulation.



TBD 18 AND TBD 18 PC



TBD 18



Detail control panel.

APPLICATIONS BX

- Building Industry** • Heating and drying out rooms, often in conjunction with a dehumidifier.
- Industry** • Heating of offices, canteens, stores, warehouses etc.
- Livestock** • Heating poultry houses.
- Horticulture** • Heating of sorting areas and greenhouses.
- Agriculture** • Heating of livestock areas, dairy parlours, workshops and packing sheds.

APPLICATIONS TBD 18 (PC)

- Industry** • Thermal pest control (PC version only).
- Building Industry** • Heating and drying of building locations and all-weather projects.
- Drying of buildings after flooding.
- Heating of transit sheds, workshops and warehouses.
- Defrosting pipework and installations.
- Heating of poultry houses.
- Livestock** • Drying of agricultural products.
- Agriculture** • Heating of greenhouses and polytunnels.
- Horticulture** • Heating of greenhouses and polytunnels.

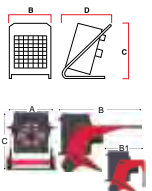
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | | Heat output (Btu/hr) | Heat output (kW) | Voltage (V) | Heated air flow (m ³ /hr) | | Adjustment range (kW) | Delta T (°C) | Power consumption (AMPS) | Outlet connection Ø (mm) | Thermostat | ITEM NUMBER |
|-----------|----|----------------------|------------------|-------------|--------------------------------------|-------|-----------------------|--------------|--------------------------|--------------------------|------------|-------------|
| | | | | | Min. | Max. | | | | | | |
| BX 3 | 1) | 10,000 | 3 | 1x230 | - | 220 | 0-2-3 | 38 | 8.9-13.2 | - | Yes | 40.107.005 |
| BX 9 | 2) | 31,000 | 9 | 3x400 | 700 | 900 | 0-4-5-9 | 36-28 | 6.8-13.3 | - | Yes | 40.107.015 |
| BX 15 | 3) | 51,000 | 15 | 3x400 | - | 1,000 | 0-7.5-15 | 42 | 11.2-21.9 | - | Yes | 40.107.020 |
| BX 20 | | 68,000 | 20 | 3x400 | - | 1,750 | 0-10-20 | 32 | 15-29.5 | - | Yes | 40.107.021 |
| BX 30 | | 102,000 | 30 | 3x400 | - | 2,200 | 0-20-30 | 47-34 | 43.4 | - | Yes | 40.107.022 |
| TBD 18 | 4) | 61,000 | 18 | 3x400 | - | 3,960 | 0-9-18 | 20 | 14-26 | - | Yes | 40.017.100 |
| TBD 18 PC | 4) | 61,000 | 18 | 3x400 | - | 3,960 | 0-9-18 | 20 | 14-26 | - | Yes | 40.017.000 |

1) with 230 V-cable 2) with 400 V-cable and 16 AMPS plug 3) with 400 V-cable + 32 AMPS plug 4) Provide with thermostat connection.

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | |
|-------------|-----------------------------|--------------|----|----|---|---|----|-----------------------------------|----|-----|----|
| | A | B | C | D | E | F | | L | B | H | KG |
| BX 3 | - | 28 | 33 | 37 | - | - | 6 | 36 | 28 | 34 | 7 |
| BX 9 | - | 35 | 45 | 37 | - | - | 12 | 40 | 36 | 49 | 14 |
| BX 15 | - | 52 | 49 | 39 | - | - | 13 | 40 | 36 | 49 | 15 |
| BX 20 | - | 57 | 57 | 61 | - | - | 25 | 51 | 44 | 69 | 29 |
| BX 30 | - | 57 | 57 | 61 | - | - | 30 | 51 | 44 | 69 | 34 |
| TBD 18 (PC) | 70 | B1/120 B/176 | 83 | - | - | - | 68 | 120 | 87 | 105 | 92 |



VAL Infra-red radiant oil fired

FUEL TYPE



VAL 6 EPX

VAL 6 1-STEP

VAL 6 KB

VAL MIDI

IFT 21



VAL with fuel level indicator. (Not on VAL 6 KB.)



Vertical inclining with locking mechanism.



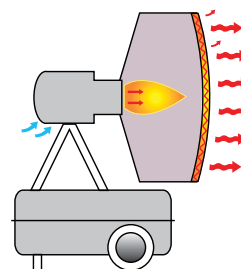
Folding push bar VAL MIDI.

WORKING PRINCIPLE

- Odourless without air flow.
- Fixed radiation temperature circa 150 °C at 70 cm (20 °C at 3 m).
- Spot heating (and limited space heating).

FEATURES

- High pressure burner with 15 sec. prepurge control system and 180 sec. postpurge.
- Photocell flame control.
- Combustion chamber of fibre ceramic.
- Thermostat operation is possible.
- 230 V/50 Hz connection.
- Room ventilation is required.
- VAL EPX with oversized tank for 20 burning hours (low) and 15 burning hours (high)
- VAL 1-step 10 burning hours, VAL 6 KB 16 burning hours.
- VAL EPX equipped with overvoltage detector, integrated thermostat and larger radiation disc for 20% further en wider radiation.
- VAL 6 1-STEP may be inclined both vertically as well as horizontally.
- VAL 6 KB with oversized tank for 16 burning hours.
- Oil preheating set VAL 6 (optional).
- 45° Vertical inclination infra-red heat screen.
- Odourless, personal (and limited space) heating, no air movement.





APPLICATIONS

- Building industry** • Spot heating on work sites.
- Industry** • Spot heating in workshops, transit sheds and warehouses.
- Warming up and defrosting machines.
- Agriculture** • Spot heating in large sheds.
- Horticulture** • Spot heating in work areas.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

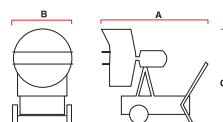
1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Heat output (Btu/h) | Heat output (kW) | Fuel consumption oil max. (l/h) | Tank capacity (l) | Power consumption 230 V (AMPS) | ITEM NUMBER |
|--------------|---------------------|------------------|---------------------------------|-------------------|--------------------------------|-------------|
| VAL 6 1-STEP | 136,500 | 40 | 3.7 | 40 | 0.25 | 40.106.200 |
| VAL 6 EPX | 136,500 | 40 | 3.7 | 58 | 0.25 | 40.106.400 |
| VAL 6 KB | 136,500 | 40 | 3.7 | 60 | 0.25 | 40.106.100 |
| VAL MIDI | 112,600 | 33 | 3.1 | 35 | 0.25 | 40.106.050 |
| IFT 21 | 71,600 | 21 | 1.5 | 15 | 0.60 | 40.106.021 |

Dimensions heater only (cm)

| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | | KG |
|---------------|-----------------------------|----|----|---|---|---|----|-----------------------------------|-----|-----|----|----|
| | A | B | C | D | E | F | | L | B | H | | |
| VAL 6 1-STEP* | 120 | 62 | 93 | - | - | - | 53 | 71 | 65 | 72 | 63 | |
| VAL 6 EPX | 124 | 65 | 97 | - | - | - | 53 | 71 | 65 | 72 | 63 | |
| VAL 6 KB | 91 | 69 | 91 | - | - | - | 50 | 42* | 42* | 32* | 63 | |
| VAL MIDI | 71 | 66 | 81 | - | - | - | 50 | 71 | 95 | 102 | 59 | |
| IFT 21 | 53 | 36 | 56 | - | - | - | 15 | 53 | 37 | 56 | 17 | |

* VAL 6 1-STEP components are packed in 3 boxes.



EnergyTender



ENERGYTENDER

The EnergyTender is a high quality KIWA certified tank (IBC) and can be obtained in 995, 2000 and 3000 litres. Due to its robust design the EnergyTender is able to withstand rough handling. The lockable pump room cabinet provides protection against theft. After use the EnergyTender can be stacked to save space. The EnergyTender is ideal for the rental business.

- The EnergyTender comes in three versions. There is always an IBC that meets your specific needs!
- The EnergyTender can easily be mounted onto a trailer.
- The EnergyTender can be delivered in any RAL colour so that it seamlessly fits with your corporate identity.
- The EnergyTender meets current VLG / KIWA and ADR regulations. That means that this tank may be used anywhere on location.

FEATURES OF THE ENERGYTENDER

- 2½" fill and 1½" level opening with brass cap.
- 1 x 1" suction pipe capped.
- 1 x 2" and 1 x 1" spare connection points with caps.
- Venting with outflow restrictor.
- Forklifts slots and 4 lifting eyes.
- 1 cover (995), split cover (2000/3000).
- Mechanical contents gauge.
- 2x suction pipe ½" and 2x return connection ½" with ball valve.
- 4 way liftable.
- Fully stackable during transport.
- KIWA certified.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

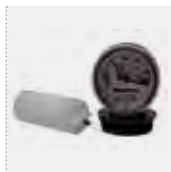
| MODEL | Capacity (litre) | Length (cm) | Width (cm) | Height (cm) | Weight empty (kg) | ITEM NUMBER |
|---|------------------|-------------|------------|-------------|-------------------|-------------|
| EnergyTender 995 NLC | 995 | 156 | 120 | 130 | 465 | 99.999.995 |
| EnergyTender 2000 NLC | 2,000 | 219 | 120 | 150 | 860 | 99.992.000 |
| EnergyTender 3000 NLC | 3,000 | 309 | 120 | 150 | 1,200 | 99.993.000 |
| Tankheating TH370-220W for 995 NLC | | | | | | 99.999.717 |
| Tankheating TH372-1500W for 2000/3000 NLC | | | | | | 99.999.718 |
| Oil suction set universal | | | | | | 41.520.104 |



Connections.



Leak detector.



Level indicator.



Rain cap for Multitank.



Tank trolley.



Connection kit for connecting multiple Multitanks.



Oil suction set Multitank.

MULTITANKS

Multitanks are TÜV certified double-walled fuel tanks. They are available in two sizes, 700 and 1000 litres. The Multitank is equipped with a metal outer tank and a plastic inner tank and is equipped with 2" connections and a leakage indicator. For linking various Multitanks there is a connection set available. In case of outdoor installation we recommend the optional lockable rain cover. For local transport the Multitank trolley is available.

FEATURES OF THE MULTITANKS

- Double-walled.
- Plastic (HDPE) inner tank (no rust).
- Metal outer tank with 100% bund.
- Both sizes have the same footprint.
- Easily connectable.
- 2" female thread connections.
- Level meter.
- Leak detector.
- TÜV certified.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

| MODEL | Capacity (litre) | Length (cm) | Width (cm) | Height (cm) | Weight empty (kg) | ITEM NUMBER |
|----------------|------------------|-------------|------------|-------------|-------------------|-------------|
| Multitank 700 | 700 | 114 | 73 | 119 | 62 | 99.999.700 |
| Multitank 1000 | 1,000 | 114 | 73 | 163 | 81 | 99.999.701 |
| Trolley* | | 104 | 145 | 25 | 82 | 99.099.100 |

* Unmounted and packed.

FUEL ACCESSORIES

| | Multitank 700 litres | Multitank 1000 litres | ITEM NUMBER |
|--|----------------------|-----------------------|-------------|
| Connection kit for connecting multiple Multitanks. | * | * | 99.999.703 |
| Oil suction set Multitank. | * | * | 99.999.707 |
| Tank heating Multitank. | * | * | 99.999.717 |
| Rain cap for Multitank | * | * | 99.999.820 |
| Tank trolley | * | * | 99.099.100 |

COOLMOBILE | Mobile airconditioner

FUEL TYPE



COOLMOBILE 21

COOLMOBILE 25



Collection tank for condensed water



Fan for hot air discharge



Digital thermostat

WORKING PRINCIPLE

- Digital control panel allows you to set the temperature between 1°C and 31°C.
- No need for a drainage system for condensation water. This water is collected in a large internal receiving tank.
- Hot air discharge is necessary.
- On the spot cooling through flexible tubes.
- The system is fitted with a useful timer, switches off automatically and can operate autonomously.

FEATURES

- Easy to move, flexible and easy to install
- Cone for discharge hot air out of the building or to an existing exhaust system.
- The tubes can also be lengthened with flexible tubing of up to 3 meters each, up to a maximum length of 9-12 meters.

APPLICATIONS

- Industry**
 - Electronics and computer rooms, Factories and welding shops.
- Hospitality industry**
 - Professional kitchens.
- Events**
 - Party tents and halls.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

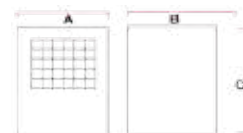
| MODEL | Cooling capacity (kW) | | Air flow (m³/h) | | Starting current (A) | | Running current (A) | | Power consumption (kW) | | Air filter | | Max. static pressure (mm) | | ΔT (°C) | | Outlet (mm) | | ITEMNUMBER |
|-----------------------------|-----------------------|---------|-----------------|----|----------------------|-----------|---------------------|-----------------------------------|------------------------|------------|------------|---|---------------------------|---|---------|---|-------------|--|------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | | |
| Coolmobile 21 | 6,15 | 660-780 | 45 | 11 | 2,41 | Aluminium | 30 | 10-12 | 2x125 | 56.021.000 | | | | | | | | | |
| Coolmobile 25 | 7,32 | 840-960 | 57 | 13 | 2,6 | Aluminium | 30 | 10-15 | 3x125 | 56.025.000 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Dimensions heater only (cm) | | | | | | | | | | | | | | | | | | | |
| | A | B | C | D | E | F | KG | Dimensions including packing (cm) | | | | | | | | | | | |
| Coolmobile 21 | 130 | 50 | 60 | | | | 86 | L | B | H | KG | | | | | | | | |
| Coolmobile 25 | 130 | 50 | 60 | | | | 90 | L | B | H | KG | | | | | | | | |

ANCILLARIES

- Hot air exhaust cone for warm air transport hoses
- Warm air transport hoses 5 mtr
- Cold air transport hoses 3 mtr
- Flansch for cold air transport hoses

ITEMNUMBER

- 56.016.046
- 56.016.048
- 56.016.044
- 56.016.044



FUEL TYPE



COOLMOBILE CR 7
COOLMOBILE CR 17
COOLMOBILE CR 34



WORKING PRINCIPLE

- Robust units that can heat, cool and ventilate.
- Operating temperature is between +20 and +45 ° C.
- 3 models with a capacity of 7,17 and 34 kW.
- All models are 2-high stackable.
- Specially designed for outdoor mobile applications.
- Cool air through flexible hoses.

FEATURES

- Easy to transport and flexible in use.
- Connecting the plug and the Cool Mobile CR is ready for use.
- Cool Mobile CR 7 and 17 are provided with wheels.
- Cool Mobile CR 34 is equipped with a frame with forklift slots.

APPLICATIONS

Disaster relief

- Cooling of mobile field hospital tents and emergency shelter tents.

Events

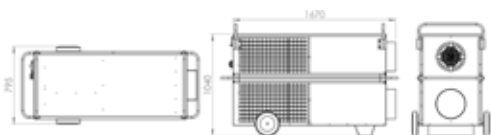
- Cooling of marquees, showrooms.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

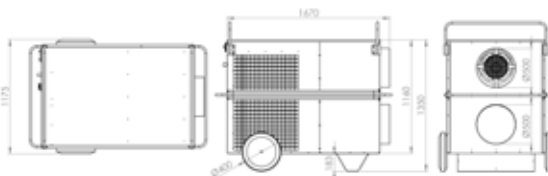
1 kW = 860 kcal/h 1 kW = 3.413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1,2 l/h

| MODEL | Cooling capacity (kW) | | Airflow (m ³ /h) | Heating capacity (kW) | | Power consumption (kW) | Supply voltage (V/ph/Hz) | Refrigerant type | Air outlet cone Ø (mm) | Air inler cone Ø (mm) | Thermostat connection | ITEMNUMBER |
|------------------|-----------------------|-----|-----------------------------|-----------------------|----------|------------------------|--------------------------|------------------|------------------------|-----------------------|-----------------------|------------|
| | A | B | | C | D | | | | | | | |
| Coolmobile CR 7 | 7.3 | 8.6 | 1,500 | 2.5 | 230/1/50 | R410A | 300 | 300 | Yes | | 56.007.000 | |
| Coolmobile CR 17 | 17 | 20 | 3,500 | 5.5 | 400/3/50 | R410A | 500 | 500 | Yes | | 56.017.000 | |
| Coolmobile CR 34 | 34 | 40 | 7,000 | 11 | 400/3/50 | R410A | 500 | 500 | Yes | | 56.034.000 | |

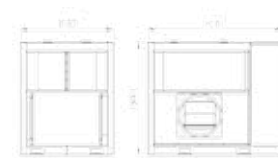
| MODEL | Dimensions heater only (cm) | | | | | | KG | Dimensions including packing (cm) | | | |
|------------------|-----------------------------|-----|-----|---|---|---|-----|-----------------------------------|-----|-----|-----|
| | A | B | C | D | E | F | | L | B | H | KG |
| Coolmobile CR 7 | 167 | 80 | 104 | | | | 195 | 169 | 82 | 106 | 235 |
| Coolmobile CR 17 | 167 | 118 | 135 | | | | 290 | 169 | 120 | 137 | 335 |
| Coolmobile CR 34 | 171 | 118 | 144 | | | | 540 | 173 | 120 | 146 | 580 |



COOLMOBILE CR 7



COOLMOBILE CR 17



COOLMOBILE CR 34

Recirculation Fans

RECIRCULATION FANS TTV



FEATURES

- Easily portable.
- Easily stackable.
- Shock proof synthetic fan housing.
- Double-sided grille according to CE-standard.
- Isolation class F, IP 65.
- With cable and plug.
- Adjustable support.
- Protected 3-step control regulator.

OPTIONS

- Hose connection piece to be used on either side.

APPLICATIONS

Especially developed for use under very severe conditions in the building industry and rental business.

DOWNFLOW FANS SDS



FEATURES

- Heat recovery by re-circulating high level warm air back to occupancy level.
- Reduced fuel bills by eliminating excess heat loss through the roof.
- Improved comfort level for occupants.
- Durable phosphated body panels with powder coating.
- Four eye bolt suspension points are provided.
- Ready for automatic operation with installations only requiring mounting and connection of a single phase electrical supply to a ground level isolation switch.
- Each fan is fitted with an integral thermostat switching on at temperature rise.
- Available in three sizes with mounting heights from 5 m to 10 m and air volumes from 3,800 m³/hr to 10,800 m³/hr.

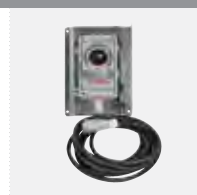
APPLICATION

The SDS de-stratification fans are purpose designed to provide a permanent reduction in roof space temperature in high buildings such as factories, warehouses and sports centres.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

| MODEL | Power (W) | Ø (mm) | RPM | Airflow (m ³ /hr) | Power consumption 250 V/50 Hz (AMPS) | Air throw (m) | Noise level (dB(A)) | Number of fans | Max. mounting height (m) | Length (mm) | Width (mm) | Height (mm) | Weight (kg) | ITEM NUMBER |
|----------|-----------|--------|-------|------------------------------|--------------------------------------|---------------|---------------------|----------------|--------------------------|-------------|------------|-------------|-------------|-------------|
| TTV 4500 | 230 | 420 | 1,400 | 4,500 | 1.1 | 45 | 60 | 1 | - | - | - | - | - | 50.500.210 |
| TTV 7000 | 390 | 518 | 1,400 | 7,000 | 1.8 | 55 | 64 | 1 | - | - | - | - | - | 50.500.220 |
| SDS 4 | 320 | - | 900 | 3,800 | - | - | 41 | 1 | 5 | 688 | 650 | 400 | 18 | 50.500.400 |
| SDS 6 | 350 | - | 900 | 5,800 | - | - | 48 | 1 | 7 | 600 | 650 | 400 | 21 | 50.500.410 |
| SDS 10 | 700 | - | 900 | 10,800 | - | - | 51 | 2 | 10 | 650 | 1,200 | 400 | 36 | 50.500.420 |

| OPTIONS | TTV 4500 | TTV 7000 | ITEM NUMBER |
|------------------------------|----------|----------|-------------|
| Hose connection piece 450 mm | * | | 50.500.211 |
| Hose connection piece 550 mm | | * | 50.500.221 |
| Hose 450 mm, L=7.6 m | * | | 50.500.212 |
| Hose 550 mm, L=7.6 m | | * | 50.500.222 |



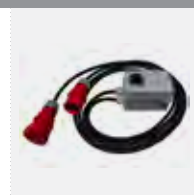
RT1, RT2, RT3



IT1



DA1



Thermostat for CH 12/18.



Digital timer, burning and ventilating.



Fault detector GSM.



GSM temperature fault detector.

THERMOSTATS

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|-------------|
| RT1, room thermostat -10/+40 °C with 5 m cable and plug, IP 54, switching differential ± 2 degrees. | * | * | * | * | * | * | * | * | * | * | | ITEM NUMBER |
| RT2, as RT1, with 10 m cable IP 54. | * | * | * | * | * | * | * | * | * | * | * | 40.228.405 |
| RT3, as RT1, with 20 m cable IP 54. | * | * | * | * | * | * | * | * | * | * | * | 40.228.410 |
| IT1, duct thermostat 0/100 °C with 6 m cable and plug, switching differential ± 1.5%. For control of temperature in ducting system. | * | * | * | * | * | * | * | * | * | * | * | 40.228.420 |
| DA1, dual connection for thermostat. For control of 2 heaters on 1 thermostat. | * | * | * | * | * | * | * | * | * | * | * | 40.000.107 |
| Thermostat for CH 12/18 | | | | | | | | | | * | | 41.729.220 |
| Extension cable 10 m for thermostat, with plug. | * | * | * | * | * | * | * | * | * | * | * | 40.107.098 |
| Thermostat plug. | | | | | | | | | | | | 40.202.140 |
| Chassis piece for thermostat plug. | * | * | * | * | * | * | * | * | * | * | * | 40.000.031 |
| Fault detector GSM IMA. | | | | * | | | | | | | | 40.202.087 |
| Fault detector GSM IMAC. | | | | | * | | | | | | | 41.722.720 |
| Fault detector GSM room temperature monitoring, no connections needed. Regardless of the type of heater. | * | * | * | * | * | * | * | * | * | * | * | 41.729.540 |
| | | | | | | | | | | | | 40.223.400 |

| TA | TAS | ITA | IMA | IMAC | GA | AGA | Pro-heat 18 | CH 12/18 | Coolmobile CR |
|----|-----|-----|-----|------|----|-----|-------------|----------|---------------|
|----|-----|-----|-----|------|----|-----|-------------|----------|---------------|

SWITCHING / ELECTRONICS

| | | | | | | | | | | |
|--|---|---|---|---|---|---|---|--|--|-------------|
| Transformer set for electrical connections without 0 | | * | * | * | | | | | | ITEM NUMBER |
| Transformer set for electrical connections without 0 | | | | | | * | | | | 41.728.190 |
| Soft-starter set for gradual run-in of fan | | * | * | * | | | | | | 41.729.250 |
| Earth leakage switch | | | | | | * | | | | 41.728.203 |
| Hour counter | * | * | * | * | | | * | | | 41.729.094 |
| Digital timer, burning and ventilating | * | * | * | * | | | | | | 41.728.235 |
| VFD fan speed controller (only factory option) | | | * | * | * | | | | | 41.728.302 |
| | | | | | | | | | | 41.724.930 |

| IMA 6 1/165 EC | IMA 111 | IMA 150 | IMA 200 | IMAC 2000 S | ISA 165 |
|----------------|---------|---------|---------|-------------|---------|
|----------------|---------|---------|---------|-------------|---------|



Set of air wheels.

TRANSPORT AND STORAGE

| | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|--|-------------|
| Set of air wheels for synthetic tank | * | | | | | | | | | ITEM NUMBER |
| Set of air wheels with axle parts | | * | * | | | | | | | 40.223.195 |
| Set of air wheels with axle parts + base | | | | * | | | | | | 40.404.220 |
| Set of air wheels | | | | | * | | | | | 41.300.053 |
| Set of air wheels | | | | | | * | | | | 40.404.300 |
| Set of air wheels with axle parts | | | | | | | * | | | 40.404.400 |
| Various transport frames | | | | | | | | * | | 41.722.237 |
| | | | | | | | | * | | ON DEMAND |

| TA 22/30 | TA 40 | TA 60 | ITA 35 | ITA 45 | ITA 75 | IMA Serie |
|----------|-------|-------|--------|--------|--------|-----------|
|----------|-------|-------|--------|--------|--------|-----------|

ACCESSOIRES

| | GA 60 E | GA 85 E | GA 110 E | | | | | | | ITEM NUMBER |
|---|---------|---------|----------|--|--|--|--|--|--|-------------|
| Set of standard wheels with axle + base | * | * | | | | | | | | 40.707.094 |
| Set of standard wheels with axle + base | | | * | | | | | | | 40.710.124 |



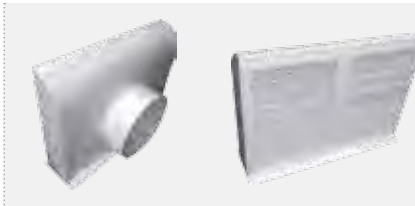
Distribution head for ITA.



For IMA models.



For IMAC models.



Air distributor.

WARM AIR TRANSPORT AND ANCILLARIES

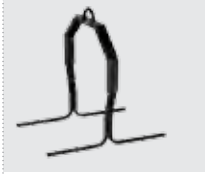
| DISTRIBUTION HEADS FOR ITA | ITA 35 | ITA 45 | ITA 75 | | | | | | | ITEM NUMBER |
|---|--------|--------|--------|--|--|--|--|--|--|-------------|
| OUTLET OPENINGS | | | | | | | | | | |
| 2x200 mm | * | | | | | | | | | 41.300.125 |
| 2x300 mm | | * | * | | | | | | | 41.404.153 |
| 400 mm | | * | * | | | | | | | 50.500.450 |
| To connect hoses 300 mm to the air distributor (400 mm) | | | | | | | | | | |

| DISTRIBUTION HEADS FOR IMA | IMA 61 | IMA 111 | IMA 150 | IMA 200 | | | | | | ITEM NUMBER |
|--|---|---------|---------|---------|--|--|--|--|--|-------------|
| OUTLET OPENINGS | | | | | | | | | | |
| 2x300 mm | * | | | | | | | | | 41.722.068 |
| 4x300 mm | | * | * | | | | | | | 41.724.177 |
| 2x360 mm | | * | * | | | | | | | 41.724.192 |
| 4x300 mm | | | | * | | | | | | 41.728.177 |
| 2x400 mm | | | | * | | | | | | 41.728.443 |
| 2x500 mm | | | | * | | | | | | 41.728.068 |
| 400 mm | * | * | * | | | | | | | 50.500.450 |
| Air distributor | To connect hoses 300 mm to the air distributor (400 mm) | | | | | | | | | 50.500.475 |
| Connection piece 300 to 400 mm for air distributor | To connect hoses 150 mm to the air distributor (400 mm) | | | | | | | | | 50.500.465 |
| Connection piece 150 to 400 mm for air distributor | | | | | | | | | | |

| DISTRIBUTION HEADS FOR IMAC | IMAC 1200 EC/ IMAC 1500 EC | IMAC 2000 S | IMAC 1000 E | | | | | | | ITEM NUMBER |
|-----------------------------|-------------------------------|-------------|-------------|--|--|--|--|--|--|-------------|
| OUTLET OPENINGS | | | | | | | | | | |
| 1x500 mm | | * | | | | | | | | 41.729.804 |
| 1x600 mm | * | | | | | | | | | 41.729.872 |
| 2x500 mm | * | * | | | | | | | | 41.729.997 |
| 4x300 mm | * | * | | | | | | | | 41.729.820 |
| 6x300 mm | * | * | | | | | | | | 41.729.862 |
| 1x800 mm | | | * | | | | | | | 41.740.565 |
| 2x600 mm | | | * | | | | | | | 41.740.560 |
| 3x500 mm | | | * | | | | | | | 41.740.050 |



ITA Connection piece.



Lifting bracket set.

CONNECTION PIECES FOR ITA

To be connected to outlet cone of heater to protect hose from too high temperatures incl. 2 quick release clamps.

Lifting bracket set ITA 45 Robust

Lifting bracket set ITA 75 Robust

| OUTLET OPENINGS | ITA 35 | ITA 45 | ITA 75 | ITA 45 ROBUST | ITA 75 ROBUST | ITEM NUMBER |
|-----------------|--------|--------|--------|---------------|---------------|-------------|
| Ø 300 mm | * | | | | | 99.084.041 |
| Ø 400 mm | | * | * | | | 41.404.152 |
| | | | | * | | 41.450.002 |
| | | | | | * | 41.751.002 |



Glass fibre with neoprene coating, -40/+140 °C.



Polyamide with pvc-coating, -30/+100 °C.

ATTENTION: Hoses produce BACK PRESSURE which can cause the heater to switch off. Avoid too LONG and/or too NARROW hoses and too many BENDS. Heaters with RADIAL- and EC fans are especially suited.

WARM AIR TRANSPORT HOSES

Temperature resistant -40/+140 °C grey

| LENGTH 5 m | Coolmobile CR 7 | Coolmobile CR 17/34 | VTB 3000 | VTB 9000 | VTB 15000/18000 | ITA 35/CH 12-18 | Verdeelkop ITA 45/75 | ITA 45/75/IMA 61 | IMA 65/111/150/IMAC 1200/IMAC 1500 | IMA 200/IMAC 2000/IMAC 4000 | ITEMNUMBER |
|------------|-----------------|---------------------|----------|----------|-----------------|-----------------|----------------------|------------------|------------------------------------|-----------------------------|------------|
| Ø 150 mm | | | | | * | | | | | | 40.107.071 |
| Ø 300 mm | * | | | | | * | * | | | | 40.107.077 |
| Ø 400 mm | | | | | | | | * | | | 40.107.079 |
| Ø 500 mm | | * | | | | | | | * | | 40.107.080 |
| Ø 600 mm | | | | | | | | | | * | 40.107.081 |
| Ø 100 mm | | | * | | | | | | | | 40.107.270 |
| Ø 120 mm | | | | * | | | | | | | 40.107.275 |

WARM AIR TRANSPORT HOSES

Temperature resistant -30/+100 °C yellow

| LENGTH 6 m | ITA 35 | ITA 45/75/IMA 61 | Distr.head ITA 35 | Distr.head ITA 45/75 / IMA 61/111/150/200 / IMAC 2000 | Distr.head IMA 111/150 | ISA 65/IMA 65/111/150/Distr.head IMAC 2000 | IMA 200/IMAC 2000 | IMAC 4000 E depending on outlet diam. | ITEMNUMBER |
|------------|--------|------------------|-------------------|---|------------------------|--|-------------------|---------------------------------------|------------|
| Ø 200 mm | | | * | | | | | | 40.107.273 |
| Ø 300 mm | * | | | * | | | | | 40.107.276 |
| Ø 365 mm | | | | | * | | | | 40.107.278 |
| Ø 400 mm | | * | | | | | | | 40.107.280 |
| Ø 500 mm | | | | | | * | | * | 40.107.282 |
| Ø 600 mm | | | | | | | * | * | 40.107.284 |
| Ø 800 mm | | | | | | | | * | 40.107.286 |

On request warm air transport hoses temperature resistant -40/+80 °C and warm air transport hoses in other colours are available.

ACCESSOIRES



Connection pieces for hose with sleeve.



Rubber quick release clamps.



Various reducing and coupling pieces.



Steel quick release clamps.



Hose clips.

CONNECTION PIECE FOR HOSES WITH SLEEVE

To connect hoses, including 2 hose clips.

CONNECTION PIECE

ITEM NUMBER

| | |
|----------|------------|
| Ø 300 mm | 41.218.071 |
| Ø 400 mm | 41.404.154 |

RUBBER QUICK RELEASE CLAMPS FOR HOSES WITH END RING

To connect hoses and if desired to fix to the heater flange.

HOSE

| | |
|----------|------------|
| Ø 200 mm | 40.502.065 |
| Ø 300 mm | 40.502.067 |
| Ø 365 mm | 40.502.068 |
| Ø 400 mm | 40.502.069 |
| Ø 500 mm | 40.502.071 |
| Ø 600 mm | 40.502.073 |
| Ø 800 mm | 40.502.075 |

GALVANIZED HOSE CLIPS

To fasten hoses to the heater flange or to a connection piece.

| | |
|--------------|------------|
| Ø 100-102 mm | 40.509.158 |
| Ø 130-165 mm | 40.502.251 |
| Ø 60-600 mm | 41.522.196 |

STEEL QUICK RELEASE CLAMPS

Specially suited to fasten hoses to ITA models.

| | |
|----------|------------|
| Ø 305 mm | 41.200.051 |
| Ø 400 mm | 41.404.117 |



"Easy connect" recirculation flange.



Recirculation hoses.

RECIRCULATION FLANGES

Recirculation flange with bayonet connection for models from production year 2008 and up

| HOSE | IMA 61 | IMA 65 EC | IMA 111 | IMA 150/200 | IMAC 2000 | ITEMNUMBER |
|----------|--------|-----------|---------|-------------|-----------|------------|
| Ø 300 mm | * | | | | | 41.722.140 |
| Ø 400 mm | | | * | | | 41.724.445 |
| Ø 500 mm | | * | | | | 41.722.854 |
| Ø 500 mm | | | | * | | 41.728.445 |
| Ø 600 mm | | | | | * | 41.729.878 |
| Ø 400 mm | * | | | | | 41.722.120 |
| Ø 400 mm | | | * | | | 41.724.008 |
| Ø 500 mm | | | | * | | 41.728.008 |

Recirculation set for models up to production year 2008

RECIRCULATION HOSES Ø 400 mm

| LENGTH | IMA 111 | IMA 65 EC / 150/200 | IMAC 2000 | IMAC 4000 E | ITEMNUMBER |
|--------|---------|---------------------|-----------|-------------|------------|
| 5 m | * | | | | 41.729.223 |
| 10 m | * | | | | 41.729.224 |
| 5 m | | * | | | 41.729.228 |
| 10 m | | * | | | 41.729.246 |
| 5 m | | | * | * | 41.729.241 |
| 10 m | | | * | * | 41.729.242 |

RECIRCULATION HOSES Ø 500 mm

RECIRCULATION HOSES Ø 600 mm



45 degrees bend for hose connection on marquees.

HOSE CONNECTION BEND 45 DEGREES

To connect hoses to marquees.

| | ITA 35 | IMA 61/ ITA 45/75 | IMA 65 EC/111/150 | IMAC 2000 / 2200 Distr. head 300 | IMAC 2000 / 2200 Distr. head 500 | IMAC 4000 Distr. head 500 | Coolmobile CR 7 | Coolmobile CR 17/34 | ITEMNUMBER |
|----------|--------|-------------------|-------------------|----------------------------------|----------------------------------|---------------------------|-----------------|---------------------|------------|
| DIAMETER | | | | | | | | | |
| Ø 300 mm | * | | | * | | | * | | 41.000.300 |
| Ø 400 mm | | * | | | | | | | 41.000.400 |
| Ø 500 mm | | | * | | * | * | | * | 41.000.500 |



Fresh air connection flanges.



Fresh air suction hoses.



Wall connector.

SUCTION OF FRESH AIR

FRESH AIR SUCTION HOSES 5 m

For suction of clean fresh air

| | AGA 45/75/102/111 E | GA 60/85/110 E | TAS 800 E | | | | | | | ITEM NUMBER |
|----------|---------------------|----------------|-----------|--|--|--|--|--|--|-------------|
| DIAMETER | | | | | | | | | | |
| Ø 102 mm | * | * | * | | | | | | | 41.000.585 |

STAINLESS STEEL WALL CONNECTOR WITH RAINCAP

Prevents raining in and back pressure

| | TAS 800 E | GA 60/85/110 E | AGA 45/75/102/111 E | | | | | | | ITEM NUMBER |
|----------|-----------|----------------|---------------------|--|--|--|--|--|--|-------------|
| DIAMETER | | | | | | | | | | |
| Ø 100 mm | * | * | * | | | | | | | 40.721.016 |

FRESH AIR SUCTION FLANGES

Suction flange for oil burner SL 22

Suction flange for oil burner SL 44/55

| | IMA 61/65 EC | IMA 111 | IMA 150 | IMA 200 | IMAC 2000 | | | | | ITEMNUMBER |
|--|--------------|---------|---------|---------|-----------|--|--|--|--|------------|
| | * | | * | * | * | | | | | 99.095.025 |
| | | * | | | | | | | | 99.095.026 |

ACCESSOIRES



Pipes.



Rain caps.



Bushing set for flue.



Chimney clamp ITA 35/45/75.

FLUE STACKS

| | Ø (mm) | ITA 35 | ITA 45 | ITA 75 | IMA 61/65 EC / ISA 65 | IMA 111/150/200 | IMAC 2000 | IMAC 4000 E | AT 306/307/400 | AT 500 | ITEMNUMBER |
|-------------------------------------|----------|--------|--------|--------|-----------------------|-----------------|-----------|-------------|----------------|------------|------------|
| Galvanized pipes 1 meter | Ø 150 mm | * | * | | | | | | * | | 41.000.562 |
| | Ø 180 mm | | | * | * | | | | | | 41.522.172 |
| | Ø 200 mm | | | | | * | * | | | * | 41.528.192 |
| | Ø 300 mm | | | | | | | * | | | 41.740.665 |
| Galvanized rain caps | Ø 150 mm | * | * | | | | | | * | | 41.000.565 |
| | Ø 180 mm | | | * | * | | | | | | 41.522.175 |
| | Ø 200 mm | | | | | * | * | | | * | 41.528.187 |
| | Ø 300 mm | | | | | | | * | | | 41.740.666 |
| Galvanized bends 45° | Ø 150 mm | * | | | | | | | * | | 41.000.561 |
| | Ø 180 mm | | * | * | * | | | | | | 41.522.171 |
| | Ø 200 mm | | | | | * | * | | | | 41.528.230 |
| | Ø 300 mm | | | | | | | * | | | 41.740.667 |
| Bushing set for flue in polytunnels | Ø 150 mm | * | | | | | | | * | | 41.652.250 |
| | Ø 180 mm | | * | * | * | | | | | | 41.750.250 |
| | Ø 200 mm | | | | | * | * | | | | 41.528.181 |
| Chimney clamp set ITA 35/45 | | | * | | | | | | | 41.404.099 | |
| Chimney clamp set ITA 75 | | | * | | | | | | | 41.750.099 | |



Connection set for gas bottles.

Connection set for gas bottles

Connection set for gas bottles, to increase evaporating capacity

| | GA | | | | | | | | | ITEM NUMBER |
|--|----|--|--|--|--|--|--|--|--|-------------|
| | * | | | | | | | | | 40.700.054 |



Connection set for connecting several Multitanks.
Conversion kit.



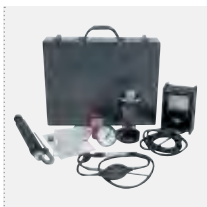
Oil supply unit.



Connection/reduction set.

Fuel accessories

| | T | TA | ITA | ISA 65/IMA 6 1/65 EC | IMA 111/150/200 / IMA C 200/4000 | TAS 800 | ITEMNUMBER |
|---|---|----|-----|----------------------|----------------------------------|---------|------------|
| Conversion kit from 1-way to 2-way pipe system, for suction from bulk tank, maximum length 50 m/height 3 m (depends on diameter of pipe). To be mounted on fuel pump. | * | * | * | | | | 41.402.114 |
| Oil supply unit DE 600, 60 litre to transport oil under pressure from bulk tank to one or more heaters, to maximum height of 30 m. | * | * | * | * | * | * | 41.530.005 |
| Needed per heater: connection/reduction set with magnetic valve | * | * | * | * | * | * | 41.522.213 |
| Oil preheating with cable (for SL 22) | | | | * | | | 41.527.212 |
| Oil preheating with cable (for SL 44/SL 55) | | | | | * | | 41.527.211 |
| Oil filter with water separation and bracket for return pipe | | | | * | * | | 41.722.230 |
| Oil filter with water separation, interchangeable with current filter | | | | | | * | 40.467.052 |
| Oil filter set with preheating | | | | * | * | | 41.722.370 |
| Oil suction set universal | | | | * | * | | 41.520.104 |



Measuring tools.

SERVICE TESTING EQUIPMENT

| | ITEM NUMBER |
|---|-------------------------|
| Pressure gauge 0-25 bar 1/8" BSP | 40.000.185 |
| Pressure gauge 0-25 bar 1/4" BSP, glycerine filled | 40.000.332 |
| Valve 1/8" outer X 1/4" inner | 40.000.349 |
| Pressure gauge 0-0.6 bar | 40.225.146 |
| Soot pump, complete with paper and lubricant | 40.000.190 |
| Testing paper for soot pump | 40.000.189 |
| Filling liquid for CO ₂ -meter | 40.000.191 |
| Testing unit for oil heaters with SATRONIC oil burner relays UP 711 | On demand 40.223.101 |
| Testing unit for oil heaters with SATRONIC gas burner relays UP 712 | On demand 40.000.330 |
| Smokegas thermometer | 40.000.192 |
| Spray can with paint, colour red, content 400 ml | 60.530.075 |
| Spray can with paint, colour anthracite, content 400 ml | 60.530.077 |





THERMOBILE®

THERMOBILE INDUSTRIES BV

Konijnenberg 80
4825 BD Breda
Nederland

Postbus 3312
4800 DH Breda
Nederland
Bedrijfsnummer: 3502

T +31 (0)76 587 34 50
F +31 (0)76 587 27 89
info@thermobile.com
www.thermobile.com

THERMOBILE UK LTD

12, Buckingham Close
Bermuda Industrial Estate
Nuneaton, Warwickshire
CV10 7JT

Groot-Brittannië

T +44 (0)2476 35 79 60
F +44 (0)2476 35 79 69
info@thermobile.co.uk
www.thermobile.co.uk

THERMOBILE FRANCE sarl

3, rue Denis Papin
45240 LA FERTÉ ST. AUBIN
Frankrijk

T +33 (0)2 38 76 59 25
F +33 (0)2 38 76 58 93
info@thermobile.fr
www.thermobile.fr