



All the heat you need!

THERMOBILE[®]

PRODUCT CATALOGUE



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
	wood pellets







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).



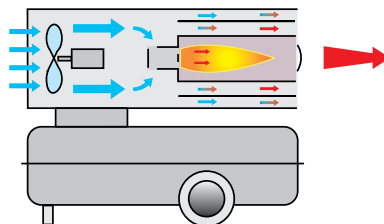
TA 40 (TH) and TA 80 (TH) are standard equipped with a level meter.



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.

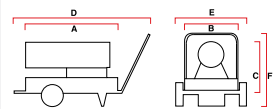
Motor trade

- 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.



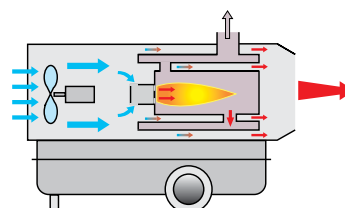
ITA 45/75 Robust lifting bracket optional.

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 46.
- 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 43).





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

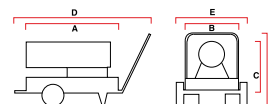
- Ready to use as a mobile emergency heating at disaster and rescue work.

For defence and rescue work there are special heaters with and without tank and the option to connect a jerry can. 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 RDD

IMA 61 RADIAL



IMA 150 AXIAL

IMA 111 AXIAL

IMA 61 AXIAL



Tigerloop standard.



"Easy connect" recirculation flange.



Transport frame.



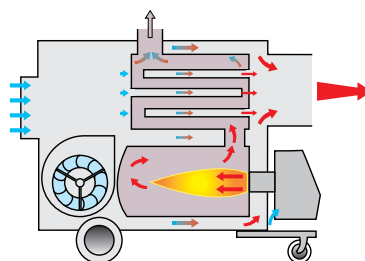
Forklift slots IMA 150.



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 5 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.
 - **RDD:** Direct drive 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

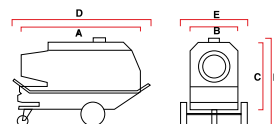
- Building industry**
 - Heating and drying of building sites and all-weather projects.
 - Drying of buildings after flooding.
- Industry**
 - Heating of transit sheds and workshops.
- Marquees heating**
 - IMA models are especially suited for heating marquees, showrooms and sports halls.
- Agriculture**
 - 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	4,000	130	3.3/230 V	400	180	Yes	41.722.800
IMA 61 RAD	222,000	65	6.5	4,000	250	6.5/230 V	400	180	Yes	41.722.300
IMA 65 EC	222,000	65	6.5	4,400	500	5.2/230 V	500	180	Yes	41.722.850
IMA 111 AX	375,000	110	10.9	5,800	130	4.4/230 V	500	200	Yes	41.724.800
IMA 111 RDD	375,000	110	10.9	8,000	300	15/230 V	500	200	Yes	41.724.710
IMA 111 RHP	375,000	110	10.9	10,000	500	7.5/400 V	500	200	Yes	41.724.210
IMA 150 AX	512,000	150	14.8	7,400	100	5.7/230 V	500	200	Yes	41.726.800
IMA 150 RAD	512,000	150	14.8	9,000	300	15/230 V	500	200	Yes	41.726.650
IMA 150 RHP	512,000	150	14.8	11,000	500	9/400 V	500	200	Yes	41.726.000
IMA 200 RAD	682,000	200	19.4	10,000	300	15/230 V	600	200	Yes	41.728.650
IMA 200 RHP	682,000	200	19.4	13,000	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	250
IMA 61 RAD	-	-	-	199	71	128	245	203	75	145	275
IMA 65 EC	-	-	-	179	71	128	235	203	75	145	260
IMA 111 AX	-	-	-	179	78	134	295	180	80	145	325
IMA 111 RDD	-	-	-	223	78	134	350	241	98	172	450
IMA 111 RHP	-	-	-	223	78	134	340	241	98	172	440
IMA 150 AX	-	-	-	200	84	151	324	210	95	172	435
IMA 150 RAD	-	-	-	246	84	151	385	265	95	172	525
IMA 150 RHP	-	-	-	246	84	151	385	265	95	172	525
IMA 200 RAD	-	-	-	271	91	152	425	300	104	172	588
IMA 200 RHP	-	-	-	271	91	152	425	300	104	172	588





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.



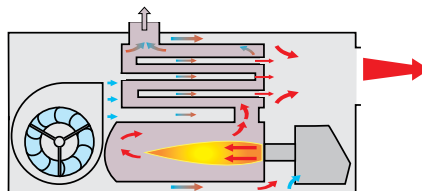
High pressure radial fan for long distance heat throw.



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.



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

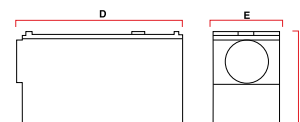
- Building industry** • Heating and drying of building locations and all-weather projects.
 - Drying of buildings after flooding.
- Industry** • Heating of transit sheds, workshops and warehouses.
- Marquees heating** • Especially suited for heating marquees, showrooms and sports halls.

TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h w1 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 400 V (AMPS)	Outlet cone Ø (mm)	Flue connection Ø (mm)	Thermostat connection	ITEM NUMBER
	1	2	1	2								
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)						KG	Dimensions including packing (cm)			
	A	B	C	D	E	F		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





IMAC 2000 PELLETT



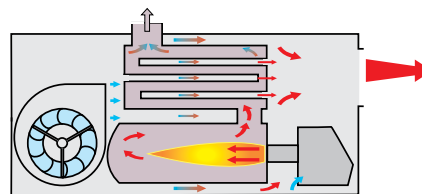
IMAC 2000 Pellet with automatic Pellet feeder.



Automatic Pellet feeder

WORKING PRINCIPLE

- 100% Clean and dry heat.
- Outlet temperature ΔT 47 °C.*
- Large heat throw.
- Combustion chamber heat resistant up to 850 °C.
- Automatic ash removal.
- 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.
- Pelltech industrial burner with automatic pellet feeder and automatic cleaning.
- Completely automatic burner control with thermostat connection.
- With overheat protection and temperature limitation of warm air.
- Fan and thermal security resettable from control box.
- A recirculation flange is available as an accessory.
- Standard equipped with an EC fan with high and low speed. And standard with soft starter and phase control.
- Standard with a screw pump for automatic ash removal. A mobile ash container can be connected for gathering the ashes.
- Standard equipped with mechanical exhaust fan.



Pelltech pellet burner



Mobile ash container



10 Ft. Pellet container

For the supply of pellets to the heater Thermobile has developed a supply unit and a storage container. The supply unit is equipped with two screw pumps so two heaters can be operated with one unit. The screw pumps are controlled by the burners of the heaters. The storage bin is refilled automatically from the large stock container by a suction unit / vacuum system with level sensor. If the stock level is too low the suction system will be stocking pellets with a pulsating movement. The suction system also drives the intake unit in the container, so the container is evenly and entirely emptied with a minimal amount of pellet dust.

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.

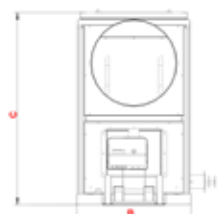
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

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/h)	Heat output (kW)	Fuel consumption pellets max. (kg/hr)	Heated air flow (m³/hr)	Max. ventilator back pressure (Pa)	Power consumption 400 V (AMPS)	Outlet cone Ø (mm)	Flue connection Ø (mm)	Thermostat connection	ITEM NUMBER
IMAC 2000 Pellet	615,000	180	33	13	600	6.5	1 x 500	200	Yes	41.731.000
Kliko										41.731.440
10 ft container pellet										41.731.410
Supply unit 2 x auger										41.731.450

Dimensions heater only (cm)

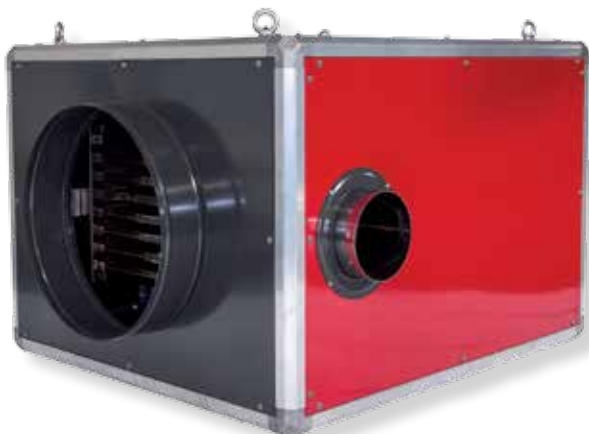
	A	B	C	KG
IMAC 2000 Pellet	216	80	134	550



FUEL TYPE



ISA 65



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.



Chimney connection ISA 65.



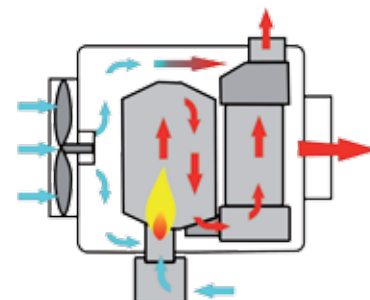
Standard equipped with suspension hooks.



Switch box ISA 65.



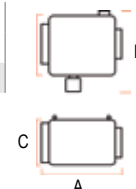
ISA 65 burner and switchbox with optional fan speed control.



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



* ΔT = Rise between inlet and output heat temp.



Thermobile mobile boilers TMB 19, 20 and 40 are compact electric emergency heaters for existing hot water systems. They can easily and quickly be connected, if for example a boiler has failed or in renovations and new construction projects. They can be used to protect existing systems and ground source heat pumps from frost damage. Mounted on a robust chassis with wheels they are easily moved. The F models are also equipped with a concrete drying program. Version 19 and 40 (F) are provided with three different electrical connections. With the Thermobile TMB the heat supply can be restored in a quick and simple manner.

WORKING PRINCIPLE

- Electric heated mobile boiler.
- Digital temperature controller.
- Temperature range 20 to 80 °C
- Depending on the type of boiler, one or more of the following power connections are possible. 1x230 volt, 3x400 volt 16 A, 3x400 volt 32 A or 3x400 volt 64 A.
- High efficiency.



FEATURES

- Compact build.
- With overheating protection and temperature limitation.
- Working pressure 1.5 to 2 bar.
- Overpressure protection 3 bar.
- The F versions have a concrete drying program included.
- Standard DN 25 connections.
- Standard equipped with expansion vessel.
- Optionally available are connection hoses and 400 volt extension cables.
- Standard with transport frame and wheels.



TMB 19/20/40 (F)



Display



Connection hoses



400 volt extension cables

APPLICATIONS

Building and construction

- Can be connected everywhere to existing hot water heating systems, for instance during renovations and new builds. When connected to under floor heating the F versions can be used for concrete drying.

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	Max. heat output (Btu)		Power consumption (AMPS)		Power rates (AMPS)		Water displacement (m³/hr)		Temperature range (°C)		Operating pressure (bar)		Safety valve (bar)		Heating connections		Drying program concrete		ITEM NUMBER
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q		
TMB 19	65,000	19	3/11/19	3	20 - 80	1.5 - 2	3	DN25	-	19.019.000									
TMB 19F	65,000	19	3/11/19	3	20 - 80	1.5 - 2	3	DN25	yes	19.019.100									
TMB 20	68,000	20	20	3	20 - 80	1.5 - 2	3	DN25	-	19.020.000									
TMB 20F	68,000	20	20	3	20 - 80	1.5 - 2	3	DN25	yes	19.020.100									
TMB 40	136,000	40	8/16/40	3	20 - 80	1.5 - 2	3	DN25	-	19.040.000									
TMB 40F	136,000	40	8/16/40	3	20 - 80	1.5 - 2	3	DN25	yes	19.040.100									

	Dimensions boiler only (cm)						KG	Dimensions including packing (cm)				KG
	A	B	C	D	E	F		L	B	H		
TMB 19 (F)	600	550	122	-	-	-	57	-	-	-	-	
TMB 20 (F)	600	550	122	-	-	-	57	-	-	-	-	
TMB 40 (F)	670	530	126	-	-	-	65	-	-	-	-	

ITLS 65 | Indirect oil fired heater

FUEL TYPE



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%.

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.

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	Yes	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 Industry

- Heating of pig and poultryhouses.
- 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 24/42 E



Servo motor with gas valve.
(see page 21).



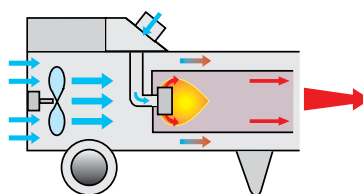
GA 24/42 with floor- and suspension
brackets.



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).
- All GA models can be connected to a modulating system. (Page 21)



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.
- Removable exterior cover for service.
- Gas valves with built-in filter. Twin gas valves for safety.
- KIWA-CE certified.
- Room ventilation is required.
- GA models 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 can be connected to a modulating control unit.

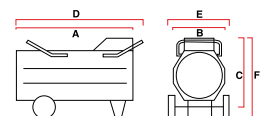
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

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 24 E	54,500	106,000	16	31	1,1	2,1	760	0,60	1/2	0,4-1,5	Yes	40.274.000
GA 42 E	61,500	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)							Dimensions including packing (cm)			
	A	B	C	D	E	F	KG	L	B	H	KG
GA 24 E	58	37	45	-	-	-	16	70	40	50	17
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

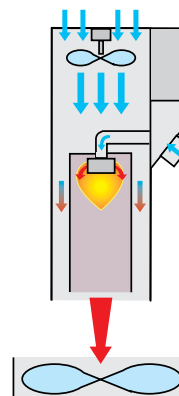
WORKING PRINCIPLE

- 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.

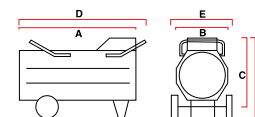
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

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 (m³/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 24 EV	54,500	106,000	16	31	1.1	2.1	760	0.60	1/2	0.4-1.5	Yes	40.274.000
GA 42 EV	61,500	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	KG		
GA 24 EV	58	37	45	-	-	-	16	70	40	50	17		
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 and humidity 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.

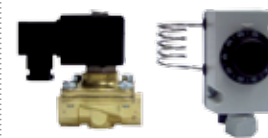
The smaller unit **MS 20** is supplied as a separate controller, gas pressure regulator and servo motor. On this unit 2 to 6 heaters can be connected.

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 1/2" IN - 1/2" 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, adjusting range 0.4-2.0 bar, Ø connection 1/2" IN - 1/2" OUT:	
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 1/4" IN - 3/8" OUT":	
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 0-50 °C	40.301.049
Suspension bracket GA 42 E	40.277.033
Suspension bracket GA 60/85/110 E. Advise is 2 pieces per unit.	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.



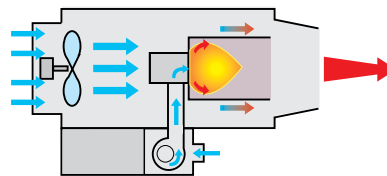
Optional: protection cover for AGA 45 E and AGA 75 E.



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

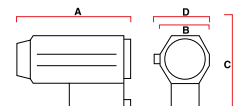
1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

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

MODEL	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

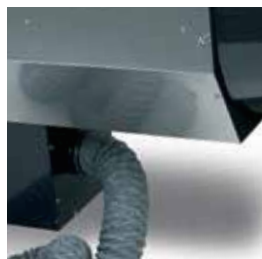
FUEL TYPE



TAS 800 E



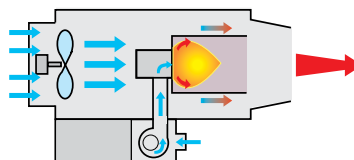
Full humidity and dust proof control panel containing all vulnerable components.



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.

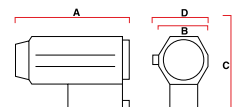
Horticulture

- 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	Yes	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



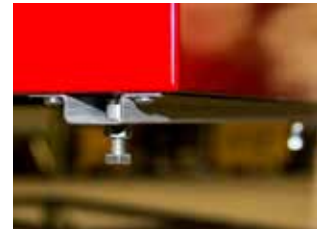
Ducting set for AT 400/500/BioEnergy 2 (optional)



Flue Booster (accessory)

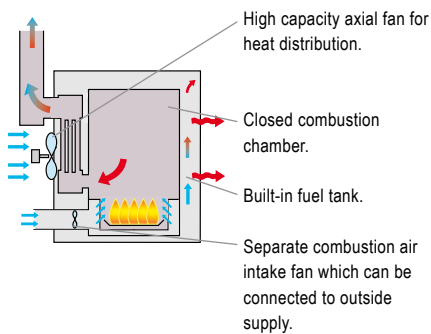


Overflowcup

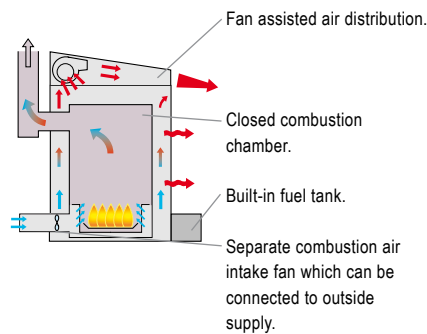


Adjustable-height feet AT 306/307 and AT 400/500

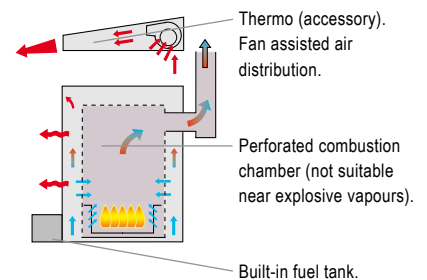
AT 400/500



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.

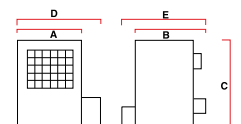
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

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

ANCILLARIES	ITEM NUMBER
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.

FUEL TYPE



BIOENERGY 1

BIOENERGY 2

FEATURES

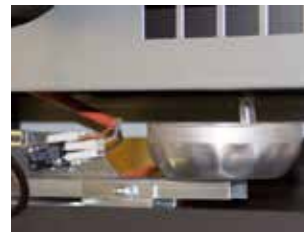
- Saves on fuel costs.
- Environmentally friendly.
- Low emissions of harmful gases.
- Built in tank.
- BioEnergy 1 has radial fan, BioEnergy 2 has axial fan.
- Type of fuel: rapeseed oil and certain vegetable oils.
- BioEnergy 2 has a built in heat exchanger for high performance.
- BioEnergy 2 ducting 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		
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

FUEL TYPE



PRODRY TD45 / TD80 / TD100



Condensate pump.

FEATURES

- The ProDry TD45, TD80 and TD100 dehumidifiers have a panel construction that facilitates maintenance and cleaning.
- All inner and outer parts, including handles, are varnished to prevent corrosion.
- The handles have an ergonomic design that makes transport easy.
- The dehumidifier is equipped with a hygrostat, a defrosting system, an hour counter and an electronic controller for the container that holds the condensed water.
- A condensate pump is available as an option.
- The Thermobile dehumidifier automatically ensures a correct and safe functioning in the temperature range set and is equipped with an automatic defrosting function and fault indication.
- The air filter can be easily cleaned and replaced. The models are also supplied with a jack hygrostat connection for external use to improve the efficiency in obtaining the desired relative humidity level.
- The Thermobile ProDry dehumidifiers have a large range of applications and can be used on construction sites, in basements, garages, warehouses and museums.
- The ProDry TD45 and ProDry TD80 come optional with dual voltage.



Condensate collection tank.



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)		Capacity (l/24hr)			Operating range		Air flow (m³/h)	Power consumption 230 V (AMPS)	Tank capacity (l)	ITEM NUMBER
	Max.	20 °C/60% RH	27 °C/80% RH	32 °C/80% RH	°C	% RH					
ProDry TD45	44	18	37	44	3-32	50-90	700	1.0	8.3	50.600.350	
ProDry TD80	79	29	56	79	3-32	50-90	1,380	1.2	8.3	50.600.600	
ProDry TD100	100	44	79	100	3-32	50-90	1,380	1.9	15.7	50.600.900	
Condensate pump										50.600.400	

MODEL	Dimensions ProDry only (cm)							Dimensions including packing (cm)				KG
	A	B	C	D	E	F	KG	L	B	H	KG	
ProDry TD45	-	-	89.5	52.5	54.5	-	37	-	-	-	-	
ProDry TD80	-	-	96.5	56.0	54.5	-	46	-	-	-	-	
ProDry TD100	-	-	107.5	62.0	59.0	-	50	-	-	-	-	

CH/VTB/ProHeat 18 Electric Heaters

FUEL TYPE



Hose system to reach difficult areas.



Thermostat for CH 12/18, see accessories

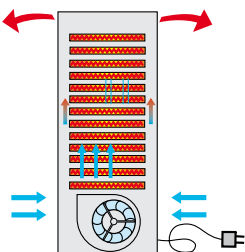
Electric heaters are especially applicable in rooms where:

- 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.



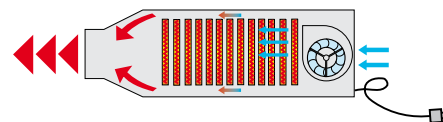
FEATURES

- 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.

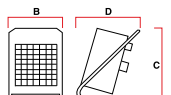
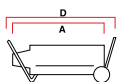
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

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
		Min.	Max.		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)			
	A	B	C	D	E	F		L	B	H	KG
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



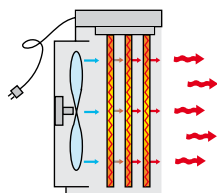
BX/TBD 18 Electric Heaters

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.

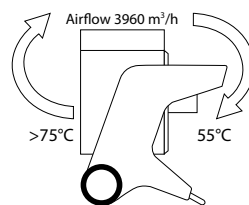


FEATURES

- 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.

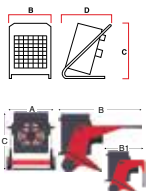
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

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)							Dimensions including packing (cm)			
	A	B	C	D	E	F	KG	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.



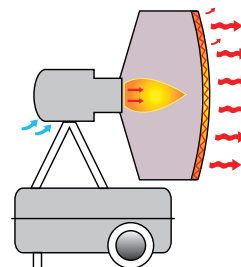
Folding push bar VAL MIDI.

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

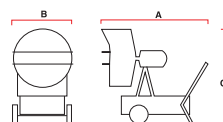
1 kW = 860 kcal/h 1 kW = 3,413 Btu/h 1 kW = 3.6 MJ/h 1 kg = 1.2 l/h

MODEL	Heat output (Btu/h)	Heat output (kW)	Fuel consumption oil max. (l/h)	Tank capacity (l)	Power consumption 230 V (AMP'S)	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	1.9	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. Multitanks are certified for indoor usage. 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

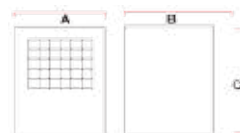
MODEL	Cooling capacity (kW)		Air flow (m³/h)		Starting current (A)		Running current (A)		Power consumption (kW)		Air filter		Max. static pressure (mm)		ΔT (°C)		Outlet (mm)		ITEMNUMBER					
	A	B	C	D	E	F	KG	L	B	H	KG													
Coolmobile 21	6.15	660-780	45	11	2.41	Aluminium	30	10-12	2x125	56.021.000														
Coolmobile 25	7.32	840-960	57	13	2.60	Aluminium	30	10-15	3x125	56.025.000														
													Dimensions heater only (cm)						Dimensions including packing (cm)					
Coolmobile 21	130	50	60	-	-	-	86	62	51	133	86													
Coolmobile 25	130	50	60	-	-	-	90	62	51	133	90													

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



WORKING PRINCIPLE

- Robust units that can heat, cool and ventilate.
- Operating temperature for cooling is between +20 and +45 °C.
There is also a version available that cools from +10 °C.
- 3 models with a capacity of 8, 17 and 34 kW.
- All models are 2-high stackable.
- Specially designed for outdoor mobile applications.
- Cool air through flexible hoses.
- C = cooling only, CR = cooling and heating.

FEATURES

- Easy to transport and flexible in use.
- Connecting the plug and the Cool Mobile CR is ready for use.
- Cool Mobile C 8 and C(R) 17 are provided with wheels.
- Cool Mobile C(R) 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.



COOLMOBILE C 8
COOLMOBILE C(R) 17
COOLMOBILE C(R) 34

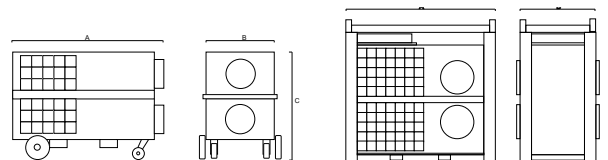
TECHNICAL SPECIFICATIONS | DIMENSIONS AND WEIGHTS

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 (m³/h)	Power consumption (kW)	Supply voltage (V/ph/Hz)	Refrigerant type	Air outlet cone Ø (mm)	Air-inlet cone Ø (mm)	Thermostat connection	ITEMNUMBER
	Heating capacity (kW)									
Coolmobile C 8, 20 °C	8.2	-	1,500	3.3	230/1/50	R410A	300	300	Yes	56.007.100
Coolmobile C 8, 10 °C	8.2	-	1,500	3.3	230/1/50	R410A	300	300	Yes	56.007.150
Coolmobile C 17, 20 °C	17	-	3,500	5.5	400/3/50	R410A	500	500	Yes	56.017.100
Coolmobile C 17, 10 °C	17	-	3,500	5.5	400/3/50	R410A	500	500	Yes	56.017.150
Coolmobile CR 17, 20 °C	17	20	3,500	5.5	400/3/50	R410A	500	500	Yes	56.017.000
Coolmobile CR 17, 10 °C	17	20	3,500	5.5	400/3/50	R410A	500	500	Yes	56.017.050
Coolmobile C 34, 20 °C	34	-	7,000	11	400/3/50	R410A	2x500	2x500	Yes	56.034.100
Coolmobile C 34, 10 °C	34	-	7,000	11	400/3/50	R410A	2x500	2x500	Yes	56.034.150
Coolmobile CR 34, 20 °C	34	40	7,000	11	400/3/50	R410A	2x500	2x500	Yes	56.034.000
Coolmobile CR 34, 10 °C	34	40	7,000	11	400/3/50	R410A	2x500	2x500	Yes	56.034.050

MODEL	Dimensions airco only (cm)						KG	Dimensions including packing (cm)			
	A	B	C	D	E	F		L	B	H	KG
Coolmobile C 8	169	90	114	-	-	-	200	171	92	130	240
Coolmobile C/CR 17	177	120	138.5	-	-	-	300	179	122	153	350
Coolmobile C/CR 34	225	120	205	-	-	-	600	225	120	205	600

C = Cooling only, CR = Cooling and heating



COOLMOBILE C 8 / C(R) 17

COOLMOBILE C(R) 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.

RT2, as RT1, with 10 m cable IP 54.

RT3, as RT1, with 20 m cable IP 54.

IT1, duct thermostat 0/100 °C with 6 m cable and plug, switching differential ± 1.5%. For control of temperature in ducting system.

DA1, dual connection for thermostat. For control of 2 heaters on 1 thermostat.

Thermostat for CH 12/18

Extension cable 10 m for thermostat, with plug.

Thermostat plug.

Chassis piece for thermostat plug.

Fault detector GSM IMA.

Fault detector GSM IMAC.

Fault detector GSM room temperature monitoring, no connections needed. Regardless of the type of heater.

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

SWITCHING / ELECTRONICS

Transformer set for electrical connections without 0

Transformer set for electrical connections without 0

Soft-starter set for gradual run-in of fan

Earth leakage switch

Hour counter

Digital timer, burning and ventilating

VFD fan speed controller (only factory option)

	IMA 61/85 EC	IMA 111	IMA 150	IMA 200	IMAC 2000 S	ISA 65	ITEM NUMBER
Transformer set for electrical connections without 0		*	*	*			41.728.190
Transformer set for electrical connections without 0					*		41.729.250
Soft-starter set for gradual run-in of fan		*	*	*			41.728.203
Earth leakage switch					*		41.729.094
Hour counter	*	*	*	*		*	41.728.235
Digital timer, burning and ventilating	*	*	*	*			41.728.302
VFD fan speed controller (only factory option)		*	*	*			41.724.930



Set of air wheels.

TRANSPORT AND STORAGE

Set of air wheels for synthetic tank

Set of air wheels with axle parts

Set of air wheels with axle parts + base

Set of air wheels

Set of air wheels

Set of air wheels with axle parts

Various transport frames

	TA 22/30	TA 40	TA 60	ITA 35	ITA 45	ITA 75	IMA Serie	ITEM NUMBER
Set of air wheels for synthetic tank	*							40.223.195
Set of air wheels with axle parts		*	*					40.404.220
Set of air wheels with axle parts + base				*				41.300.053
Set of air wheels					*			40.404.300
Set of air wheels						*		40.404.400
Set of air wheels with axle parts							*	41.722.237
Various transport frames							*	ON DEMAND

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



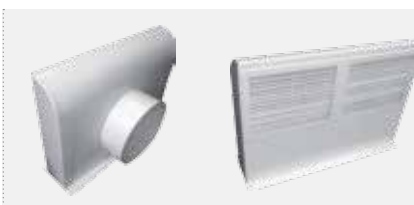
Distribution head for ITA.



For IMA models.



For IMAC models.



Air distributor.

WARM AIR TRANSPORT AND ANCILLARIES

DISTRIBUTION HEADS FOR ITA

To be connected to outlet cone of heater including 1 quick release clamp and 2 hose clips
Air distributor

	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

To be fixed instead of standard outlet panel (ex works, if necessary), excluding clamps

Air distributor

Connection piece 300 to 400 mm for air distributor

Connection piece 150 to 400 mm for air distributor

	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
	To connect hoses 300 mm to the air distributor (400 mm)								50.500.475
	To connect hoses 150 mm to the air distributor (400 mm)								50.500.465

DISTRIBUTION HEADS FOR IMAC

	IMAC 1200 EC/ IMAC 1500 EC	IMAC 2000 S	IMAC 4000 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 8	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	Coolmobile CR 8	Coolmobile CR 17/34	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

LENGTH	IMA 111	IMA 65 EC / 150/200	IMAC 2000	IMAC 4000 E	ITEMNUMBER
RECIRCULATION HOSES Ø 400 mm					
5 m	*				41.729.223
10 m	*				41.729.224
RECIRCULATION HOSES Ø 500 mm					
5 m		*			41.729.228
10 m		*			41.729.246
RECIRCULATION HOSES Ø 600 mm					
5 m			*	*	41.729.241
10 m			*	*	41.729.242



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 8	Coolmobile CR 11/34	ITEMNUMBER
DIAMETER									
Ø 300 mm	*			*			*		41.000.300
Ø 400 mm		*							41.000.400
Ø 500 mm			*		*	*		*	41.000.500



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 SL55 IMAC 2000

										ITEMNUMBER
										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

	GA	ITEM NUMBER
Connection set for gas bottles, to increase evaporating capacity	*	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 61/85 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 CO2-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



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