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HEATERS





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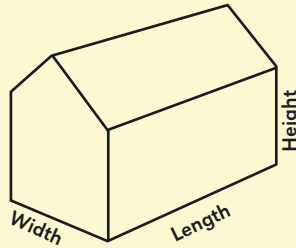
36. HEATERS

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HOW TO CHOOSE THE RIGHT HEATER?

1. Find out the dimensions of the room



Cubic capacity = Length x Width x Height

V = m³

2. Define the difference of inside and outside temperature

Example: Inside temperature hoped-for 15 °C
 Outside temperature -10 °C
 Difference of temperature 25 °C

ΔT = °C

3. How the room is thermally insulated?

Thermal insulation defines so-called K-value. Select the value nearest insulation level of the room:

- K = 1: Extremely well, at least 10 cm insulation in roof and walls.
- K = 2: Insulated, insulation in roof and walls.
- K = 3: Poorly insulated, masonry walls, no insulation in roof.
- K = 4: No insulation, roof and walls made of wood.

K =

4. Required power of the heater:

1 kW = $\frac{1 \text{ Kcal/h}}{860}$

V x ΔT x K = kcal/h

ADAX

ELECTRIC HEATERS

- on/off -switch
- mechanic thermostat
- protection against overheating
- wall mounting
- cable with Schuko-plug
- protection class IP20



Order no.	600 W AVP1006KT	800 W AVP1008KT	1000 kW AVP1010KT	1200 W AVP1012KT
Power	600 W	800 W	1000 W	1200 W
Dimensions	295 x 505 mm	295 x 620 mm	295 x 678 mm	295 x 850 mm
Weight	2,9 kg	3,5 kg	3,9 kg	4,7 kg
Packing size	1/72	1/66	1/66	1/42
EAN	7040666400205	7040666400304	7040666400403	7040666400502



ELECTRIC HEATER 3,3 kW DD033

- voltage 230 V / 50 Hz
- max. power 3,3 kW
- output 1420 2840 kcal/h
- 4-position switch:
 off - ventilator - half power - full power
- max. current consumption 14,6 A
- air displacement 400 m³/h
- thermostat as standard equipment
- thermostat adjustment range 5 - 35 °C
- post ventilation
- dimensions W255, D260, K400 mm
- weight 5,8 kg
- protection class IP X4
- packing size: 1
- EAN



ELECTRIC HEATERS

- thermostat as standard equipment
- equipped with ventilation automatism, which stops the ventilation when the adjusted thermostat temperature have been reached
- from the switch can be chosen either continuous ventilation or automatic operation
- the cooling automatism takes care of cooling the resistance when switching the current off from the switch
- protection class IP X4



Order no.	3 kW ITM03	6 kW ITM06	9 kW ITM09
Power	2 – 3 kW	4 – 6 kW	6 – 9 kW
Output	1720 – 2580 kcal/h	3440 – 5160 kcal/h	3870 – 7740 kcal/h
Switch position 1	OFF	OFF	OFF
Switch position 2	tuuletin	tuuletin	tuuletin
Switch position 3	2 kW	4 kW	6 kW
Switch position 4	3 kW	6 kW	9 kW
Voltage	230 V/50 Hz	400 V/50 Hz	400 V/50 Hz
Air displacement	300 m ³ /h	450 m ³ /h	650 m ³ /h
Thermostat	yes	yes	yes
Ventilation automatism	yes	yes	yes
Cooling automatism	yes	yes	yes
Dimensions (W x D x H) with base	25x34x36 cm	32x47x47 cm	32x47x47 cm
Weight	5 kg	8 kg	9 kg
Packing size	1/75	1/24	1/24
EAN	6418914635999	6418914636019	6418914636002



DRYERS



Order no.	22 L DD25	40 L DD40
Voltage	230 V/50 Hz	230 V/50 Hz
Current consumption	550 W	800 W
Water separation power max.	22 L / 24 h	40 L / 24 h
Operating range (relative humidity %)	40 - 100 %	40 - 100 %
Humidity adjustment	yes	yes
Operating temperature	3 - 40°C	3 - 40°C
Amount of air	250 m ³ /h	400 m ³ /h
Capacity of water tank	5 L	11 L
Equipped with wheels	yes	yes
Noise level	59 dBA	60,8 dBA
Dimensions (L x W x H mm)	540 x 585 x 775 mm	650 x 615 x 958 mm
Weight	39 kg	49 kg
Packing size	1	1
EAN	871562003749	871562003657



DRYERS



Tuoteno.	36 L ITM400	80 L ITM800
Voltage	230 V/50 Hz	230 V/50 Hz
Max. /aver. current consumption (35°C, 95 R.H.)	780 W/ 530 W	1350 W/ 980 W
Water separation power max.	36 L / 24 h	80 L / 24 h
Operating range (relative humidity %)	35 - 99 %	35 - 99 %
Humidity adjustment	yes	yes
Operating temperature	6 - 35 °C	6 - 35 °C
Amount of air	450 m ³ /h	1000 m ³ /h
Capacity of water tank	9 L	15 L
Hour meter	yes	yes
Equipped with wheels	yes	yes
Noise level	49 dB	52 dB
Dimensions	360 x 375 x 735 mm	550 x 405 x 870 mm
Weight	36 kg	46 kg
Packing size	1/8	1/2
EAN	8023141032442	8023141032459



SHOE DRYER with timer

AVP001

- fast and efficient way to dry shoes without damaging them
 - power 290 W / 230 V
 - air flow 3,5 l/s/tube
 - drying temp. 40 °C
 - timer 120 min
 - two automatic fuses
 - packing size: 1
- EAN 7040662360107



Deviflex HEATING CABLES for drinking water pipes

- installation inside the drinking water pipes which are in the ground above the frost limit
- power 9 W/m, 230 V (+5 C)
- cable Ø 7,4 mm, type DTIV twin conductor with screen
- conductor insulation XLPE, outer sheath polyethylene (HDPE)
- min. bending radius 50 mm
- max. temperature +65°C
- nipple 3/4"
- with signal light switch
- cable 2x1,5 mm² + 1,5 mm², length 2,5 m²
- packing size: 1



Order no.	Length	Power	EAN
JES500	5 m	45 W	5703466016473
JES501	7 m	65 W	5703466016480
JES502	10 m	90 W	5703466016497
JES503	12 m	110 W	5703466016503
JES504	15 m	135 W	5703466016510
JES505	20 m	180 W	5703466016527



Deviflex SELF-REGULATING HEATING CABLES for drinking water pipes

- installation inside the drinking water pipe
- rubber cable 2 m with Schuko-plug
- the resistance element which is variable according to temperature, regulates efficiency through the hole length of cable
- due to self-regulating construction, no overheating exists even when cables touches each other
- power 10 W/m, 230 V (+5 C)
- cable Ø 7,3 x 5,3 mm
- conductor insulation Polyolefin, outer sheath Fluoropolymer
- min. bending radius 36 mm
- max. temperature +65 °C
- pressure nipple 3/4"
- packing size: 1



Order no.	Length	Power	EAN
JES510	4 m	40 W	5703466084205
JES512	8 m	80 W	5703466084229
JES513	10 m	100 W	5703466084236
JES514	13 m	130 W	5703466084243

SPACE HEATERS



DD10, DD20



DD20P



DD30



DD45



DD50



DD80

- voltage 230 V / 50 Hz
- fuel diesel oil or kerosene, recommended to use winter type fuel
- flame guard
- stainless steel fire box
- hot-wire ignition
- protection class IP21

Order no.	10 kW DD10	20 kW DD20	20 kW DD20P	29 kW DD30	44 kW DD45	47 kW DD50	81 kW DD80
Power	10 kW	20 kW	20 kW	29 kW	44 kW	47 kW	81 kW
Output	8 800 kcal/h	17 500 kcal/h	17 400 kcal/h	25 000 kcal/h	38 000 kcal/h	40 000 kcal/h	68 000 kcal/h
Air displacement	280 m ³ /h	400 m ³ /h	550 m ³ /h	800 m ³ /h	900 m ³ /h	1800 m ³ /h	3300 m ³ /h
Fuel consumption	1 l/h	1,85 l/h	1,67 l/h	2,7 l/h	4,1 l/h	3,9 l/h	5,1 l/h
Fuel tank	15 L	19 L	36 L	43 L	43 L	65 L	105 L
Air temperature at 20 cm distance, 15°C	175 °C	250 °C	110 °C	250 °C	300 °C	105 °C	80 °C
Motor power	0,02 kW	0,09 kW	0,15 kW	0,19 kW	0,19 kW	0,20 kW	0,75 kW
Exhaust outlet	no	no	yes	no	no	yes	yes
Equipped with wheels	no	no	yes	yes	yes	yes	yes
Dim. (LxWxH)	77x30x37 cm	77x30x39 cm	110x39x69 cm	92x52x64 cm	92x52x64 cm	131x53x105 cm	155x68x119 cm
Weight	17 kg	17 kg	40 kg	25 kg	25 kg	73 kg	124 kg
Packing size	1/12/396	1/12/396	1/8	1/8/264	1/8/264	1	1
EAN	8715626002476	8715626002537		8715626002384	8715626002438	8032601863144	8032601863144
Additional equipment: Thermostat	DDT01 or ITM001A	DDT01 or ITM001A	DDT01	DDT01 or ITM001A	DDT01 or ITM001A	DDT02	DDT02



ITM15PX

ITM20PX

ITM30P

ITM40P

- voltage 230 V / 50 Hz
- fuel diesel oil or kerosene, recommended to use winter type fuel
- flame guard
- protection against overheating
- stainless steel fire box
- electronic ignition
- thermostat connection, suitable thermostat ITM002
- protection class IP44

Fuel supply with high pressure pump!

Order no.	16 kW ITM15PX*	20 kW ITM20PX*	30 kW ITM30P	40 kW ITM40P	60 kW ITM60P
Power	16,1 kW	20,2 kW	30 kW	40 kW	60 kW
Output	13 872 kcal/h	17 340 kcal/h	28 800 kcal/h	34 400 kcal/h	51 600 kcal/h
Air displacement	500 m ³ /h	500 m ³ /h	1750 m ³ /h	1750 m ³ /h	1900 m ³ /h
Fuel consumption	1,36 kg/h	1,7 kg/h	2,53 kg/h	3,37 kg/h	5,06 kg/h
Fan motor	0,08 kW	0,08 kW	0,25 kW	0,25 kW	0,3 kW
Fan wings Ø	200 mm	200 mm	300 mm	300 mm	350 mm
Equipped with wheels	no	yes	yes	yes	yes
Dimensions (L x W x H)	760x305x530 mm	760x380x580 mm	1200x540x640 mm	1200x540x640 mm	1720x590x890 mm
Weight	21 kg	24 kg	48 kg	48 kg	71 kg
Packing size	1/16	1/16	1/6	1/6	1
EAN	6418914636088	6418914636071	6418914636101	6418914636118	6418914706552
ADD. EQUIPMENT:					
Thermostat	ITM002	ITM002	ITM002	ITM002	ITM002

* new model with renewed fuel feed pump

SPACE HEATERS

with exhaust outlet and heat exchanger



- voltage 230 V / 50 Hz
- fully proof combustion chamber: combustion exhaust gases are expelled through the proper chimney
- thermostat connector
- electronic ignition
- protection against overheating
- flame check
- equipped with wheels for easy transportation
- stainless steel fire box
- protection class IP44

	20 kW Antares 20 ITM20	32 kW Antares 30 ITM30	68 kW Antares 70 ITM70
Order no.			
Power	20 kW/h	32 kW/h	68 kW/h
Output	17 200 kcal/h	27 520 kcal/h	59 170 kcal/h
Electric motor	250 W	300 W / 2800 rpm	750 W / 1450 rpm
Air intake	1750 m ³ /h	1900 m ³ /h	3500 m ³ /h
Fan Ø	300 mm	350 mm	500 mm
Chimney Ø	105 mm	150 mm	150 mm
Fuel tank	35 l	70 l	120 l
Fuel consumption	1,69 kg/h	2,5 kg/h	5,8 kg/h
Dimensions	1200 x 540 x 640 mm	1720 x 590 x 930 mm	1920 x 690 x 1080 mm
Weight	48 kg	101 kg	138 kg
Packing size	1/6	1	1
EAN	6418914636095	6418914622647	6418914622654
ADDITIONAL EQUIPMENT:			
Thermostat	ITM002	ITM002	ITM002



THERMOSTAT

DDT01

- scale 0 – 36 °C
- cable 3 m
- switching between the current source and heater
- suitable for IKH-heaters DD10, DD20, DD30 and DD45
- packing size: 1
- EAN 6418914709997



THERMOSTAT

ITM001A

- scale 0 °C – +35 °C
- cable 3 m
- can be mounted to wall
- switching between the current source and generator
- max. 3500 W
- suitable for IKH-heaters DD10, DD20, DD30 and DD45
- packing size: 1
- EAN 6418914625761



THERMOSTAT

- scale –20 °C – +40 °C
- cable 10 m
- switching to thermostat connection

ITM002

- fits ITM
- packing size: 1
- EAN 6418914625846



DDT02

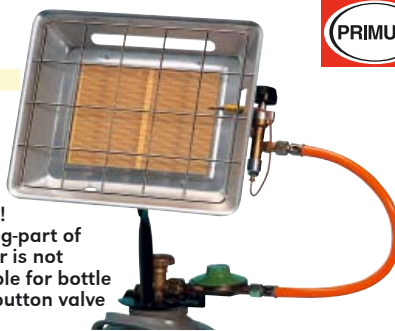
- fits DD50 and DD80
- packing size: 1
- EAN 6418914510784

**Primus Saturn
INFRARED HEATER**

DDP04

- operating pressure 30 mbar
 - equipped with flame safety catch
 - equipped with pressure regulator for threaded valve bottle and 40 cm connection hose
 - adjustable heating power 2500–4300 W
 - consumption 195–328 g/h
 - weight with package 2,2 kg
 - dimensions: 320 x 240 x 90 mm
 - not for heating houses
 - packing size: 1
- EAN 4000591040085

NOTE!
The leg-part of heater is not suitable for bottle with button valve



CONNECTION HOSE

DDP04-1

- length 80 cm, Ø 10 mm
- for button valve bottle



INFRARED HEATER

ITM40INF

- power 40 kW
 - fuel: diesel (winter grade), consumption 3,43 kg/h
 - safe, silent and odourless heater without exhaust gas
 - efficient radiation - heat spreads wider than in models with blower
 - air blast temperature:
 - appr. 120°C / 1 m
 - appr. 50°C / 2 m
 - appr. 20°C / 3 m
 - easy to transport and place
 - weight 50 kg
 - packing size: 1/4
- EAN 6418914522220



GAS HEATERS

- operates with propane-butane -gas G 30-31
- stainless steel fire box
- control box in thermoplastic material with degree of insulation IP 44
- flame guard

- motor with thermal protection
- suitable for open or semi-open environments



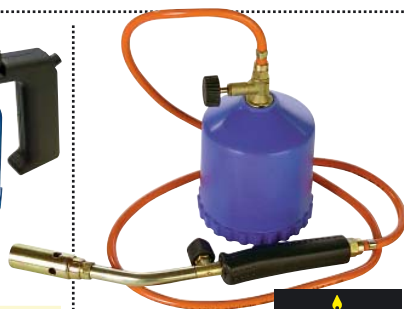
Order no.	10 kW ITMG10	15 kW ITMG15
Power	10 kW	15 kW
Thermal power	8770 kcal/h	12900 kcal/h
Air outlet	250 m ³ /h	450 m ³ /h
Fuel consumption	0,73 kg/h	1,11 kg/h
Dimensions	360 x 190 x 310 mm	410 x 235 x 365 mm
Weight	5,7 kg	8 kg
Packing size	1/90	1/48
EAN		



CARTIDGE BLOWTORCH

XJPG200

- for heating and soldering of small objects, suits also for removing paint, for melting frozen hoses, for burning and hard solders
 - with Pietzo-ignition
 - suits disposable gas cartridge 190 g (not included)
 - packing size: 1/12
- EAN 8011982282003



TORCH WITH BURNER

XJAG084

- burner head Ø 22 mm
 - length of hose 125 cm
 - cartridge 190 g (not included)
 - packing size: 1/12
- EAN 8011982420849



CAMPING STOVE

XJFG200

- power 1300 W
 - Pietzo-ignition
 - consumption 73 g/h
 - cooking leve Ø 125 mm
 - cartridge 190 g (not included)
 - packing size: 1/12
- EAN 801198412004



GAS LAMP

XJLG200

- power 700 W
 - Pietzo-ignition
 - consumption 48 g/h
 - nozzle 0,18 mm
 - cartridge 190 g (not included)
 - spare glass XJLG100, mantle XJRT302
 - packing size: 1/12
- EAN 8011982402005



DISPOSABLE GAS GARTRIDGE 190 g

XJ2210A

- according to EN 417:n
 - packing size: /36/2880
- EAN 8022684000062



GAS CARTRIDGE

300 g/600 ml for grass torch

XJ2204

- propane / butane -mixture
 - packing size: /20
- EAN 7314522041612





**GAS TORCH
KIT 30 mm**

XJ42030

- 30 mm nozzle
- 200 mm bent pipe
- overall length 40 cm
- 3 m hose
- standard flame adjustment and trigger valve in handle
- packing size: 1/32
- EAN 8011982660306



**GAS TORCH
KIT 45 mm**

XJ43545

- 45 mm nozzle
- 350 mm bent pipe
- overall length 60 cm
- 5 m hose
- standard flame adjustment and trigger valve in handle
- packing size: 1/32
- EAN 8011982665455



**NOZZLE FOR
GAS TORCH
60 mm**

XJ860

- length 105 mm, Ø 60 mm
- packing size: 1
- EAN 8011982148606



SAFETY VALVE 0-2 bar

TEP1005

- automatically switches off the gas flow in case of hose damage or if the hose loosens from the connector
- connections: inner 3/8" and outer 3/8"
- return button for switching on after break
- flow through 4 kg/h (4 bar)
- suitable for pressure controller TEP1002
- packing size: 1
- EAN 7314523054062

**PRESSURE
CONTROLLERS**

- a liquid gas equipment according to fire work instruction always includes pressure controller and safety valve
- ensures always the right pressure in all tasks
- made of high-quality brass or stainless- and acid-proof steel according to DIN-norms
- DIN-DVGW-tested



**PRESSURE CONTROLLER
30 mbar**

TEP1000

- for household equipment
- for push valve bottle
- flow-through 1,5 kg/h
- 30 mbar pressure controller
- connection for 10 mm hose
- packing size: 1
- EAN 7314529900257



**PRESSURE CONTROLLER
30 mbar**

TEP1004

- for household use
- for thread valve bottle, W21.8
- flow-through 1,5 kg/h
- 30 mbar pressure controller
- connection for 10 mm hose
- packing size: 1/10
- EAN 6417264900306



**PRESSURE CONTROLLER
0-2 bar**

TEP1002

- for hobby use
- for push valve bottle
- flow-through 3,5 kg/h (2 bar)
- connection outer R3/8" left, hose connector for 6 mm hose
- packing size: 1/50
- EAN 6417264066026



**PRESSURE CONTROLLER
1-4 bar**

TEP1003

- for high gas consumption
- flow-through 20 kg/h (4 bar)
- connection inner DIN-kombi W21.8"
- connection outer R3/8" left
- packing size: 1/10
- EAN 7314523061152



**PRESSURE CONTROLLER+
SAFETY VALVE 1-4 bar**

TEP1006

- flow-through 12 kg/h (4 bar)
- connection inner DIN-kombi W21.8"
- connection outer R3/8" left
- packing size: 1
- EAN 7314523063156



**LOW-PRESSURE REGULATOR SET,
connection with screw**

TEP1008

- includes:
 - TEP1004 pressure regulator 30 mbar
 - 0,8 m liquefied petroleum gas hose 10 mm
 - 2 pcs hose clamp
 - packed in hangable package
 - packing size: 1
- EAN 6417264900481



**LOW PRESSURE REGULATOR SET,
snap-on connection**

TEP1007

- includes:
 - TEP1000 pressure regulator 30 mbar
 - 0,8 m liquefied petroleum gas hose Ø 10 mm
 - 2 pcs hose clamp
 - packed in hangable package
 - packing size: 1
- EAN 6417264900504



HOSE SET 1 m

TEP1009

- includes:
 - 1 m liquefied petroleum gas hose Ø 10 mm
 - 2 pcs hose clamp
 - packed in hangable package
 - packing size: 1
- EAN 6417264900184



GAS TUBES

- suitable for propane and butane gas
- frost resistancy -30 °C
- ISO 3821

HT500073

- Ø 6 mm
 - 20 bar
 - packing size: /40
- EAN 6417264900108

HT500074

- Ø 10 mm
 - 20 bar
 - packing size: /40
- EAN 6418914169920