

MASTER®

2016/2017

HEATERS DEHUMIDIFIERS COOLERS

MCS GROUP
www.mcsworld.com



MASTER CLIMATE SOLUTIONS
IS A WORLD LEADER IN THE PRODUCTION
OF PORTABLE EQUIPMENTS FOR:
HEATING, DEHUMIDIFICATION AND COOLING



HEADQUARTERS MASTER CLIMATE SOLUTIONS, VERONA, ITALY



FACTORY MASTER CLIMATE SOLUTIONS, VERONA, ITALY



HEAT



VIDEO
MASTER GROUP



DRY



COOL

IMAGES: FACTORY, VERONA, ITALY

I CHOOSE MASTER PORTABLE HEATERS. WHY?



SAVE MONEY

MASTER heaters are plug and play: do not need installation



CHOOSE YOUR ENERGY

Choose the cheapest or the cleanest energy you like: gas, oil, electricity



USE THE SAME HEATER IN DIFFERENT PLACES

MASTER heaters are portable



RESPECT THE ENVIRONMENT

The efficient MASTER burning process minimizes pollution



HEAT ONLY WHAT YOU NEED

MASTER heaters can heat either large or limited areas



REDUCE YOUR INVESTMENT BUYING ONLY THE POWER YOU NEED

Further MASTER heaters can be added if necessary



HEAT ONLY WHEN YOU NEED

MASTER heaters warm up very quickly



PROTECT YOUR INVESTMENT

MASTER heaters last many years and can be easily repaired with spare parts available for 10 years



AVOID OVERHEATING AND OVERSPENDING

MASTER heaters can be controlled by a remote thermostat

INDEX



POWER
RANGE:

BEST FOR:

PAGE

ACCESSORIES



The guide to mobile heaters accessories. This additional equipment makes the work with Master heaters more comfortable.

8-9

DIRECT OIL HEATERS



Direct oil heaters are highly efficient devices that provide large volumes of instant heat where it is required. They are best for open or well ventilated areas like factories, warehouses or construction sites. Master direct heaters are known as very efficient and robust as well as safe and easy in use.

10-111 kW

■ Agriculture
■ Construction
■ Garage

10-11

INDIRECT OIL HEATERS



Indirect oil heaters are highly efficient devices that provide large volume of 100% clean, dry and fume free warm air. They are best for places with limited ventilation like shops, event's tents, food preparation areas or exhibition halls. They can be used with flexible hoses that make the warm air be spread around easily.

20-81 kW

■ Agriculture
■ Construction
■ Industry
■ Warehouse
■ Garage
■ Emergency-Events

12-13

INDIRECT OIL HEATERS AIR-BUS



Indirect airflow heaters AIR-BUS have a wide heat exchanger in stainless steel pipes and an external burner. They offer high efficiency and the possibility of connecting up to 4 hoses per unit.

75-220 kW

■ Agriculture
■ Construction
■ Industry
■ Warehouse

14-15

ELECTRIC FAN HEATERS



Electric fan heaters are highly efficient devices widely used in variety of applications. They provide clean, fast and safe heating. Electric heaters are ideal for temporary or emergency heating as they are easy to use and fully portable. Master electric heaters use only certified top quality components, which ensures their reliability and efficiency.

1-40 kW

■ Agriculture
■ Construction
■ Industry
■ Warehouse
■ Garage

16-17

GAS HEATERS



Master gas heaters provide large volumes of instant heat. They are very cost effective, robust and efficient. Portable gas heaters are best for well ventilated areas like construction sites, warehouses or factories.

10-103 kW

■ Agriculture
■ Construction

18-20

INFRARED HEATERS



Infrared heaters deliver heat fast and exactly to the place where it is required without any air movement. They are suitable for dust-free drying walls or paints, defrosting machinery or pipe lines, heating the working areas. This powerful technology allows significant energy saving and can be used in dusty areas or outside.

1-43 kW

■ Agriculture
■ Construction
■ Industry
■ Warehouse

21-23

SUSPENDED HEATERS



Master heaters designed for suspension including frame for lifting. They are suitable for areas with high air flow requirements like greenhouses or animal housing, warehouses, workshops, etc. They can work with standard oil burner, LPG or natural gas burner.

47-134 kW

■ Agriculture
■ Construction
■ Industry
■ Warehouse

24-26

INDIRECT OIL AND WOOD HEATERS



Master indirect heaters create a big airflow of hot air. The installation is very simple: plug and play.

33-71 kW

■ Agriculture
■ Industry
■ Warehouse

27

CHART

How to choose the best heater for your needs.

28

HEATING SOLUTIONS FOR: CONSTRUCTION, PRODUCTION & LOGISTICS, WORKSHOPS & GARAGES

APPLICATION



DIRECT
OIL
HEATERS

INDIRECT
OIL
HEATERS

ELECTRIC
FAN
HEATERS

GAS
HEATERS

INFRARED
OIL
HEATERS

INFRARED
ELECTRIC
HEATERS

CONSTRUCTION

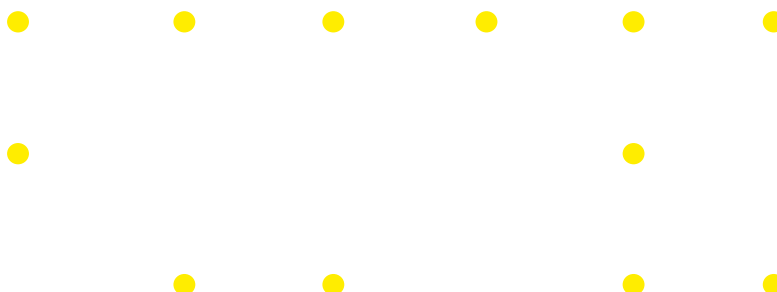
HEATING
CONSTRUCTION
SITES



HEATING
ROADWORKS



DRYING
BUILDINGS
AND PAINT



INDUSTRY & WAREHOUSES

SPACE
HEATING



SPOT
HEATING



WORKSHOPS & GARAGES

SPOT
HEATING



SPACE
HEATING



HEATING SOLUTIONS FOR: AGRICULTURE, EVENTS & MILITARY, EMERGENCY

APPLICATION

AGRICULTURE

HEATING
LIVESTOCK
FACILITIES



HEATING
GREENHOUSES



HEATING
STORAGE
FACILITIES



DRYING
CROPS



EVENTS & MILITARY

OUTDOOR
HEATING



HEATING
TENTS



EMERGENCY

SPACE
HEATING



SPOT
HEATING



DIRECT
OIL
HEATERS



INDIRECT
OIL
HEATERS



ELECTRIC
FAN
HEATERS



GAS
HEATERS



INFRARED
OIL
HEATERS



INFRARED
ELECTRIC
HEATERS

HEAT

ACCESSORIES

PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Fuel pre-heater	4031.120 4100.827		B 230, B 360, BV 110, BV 170, BV 290, XL 9 B 130, B 180, BV 77
	Room thermostat TH5 with cable	4150.105 4150.112	3 m 10 m	DIRECT OIL, INDIRECT OIL, AIR-BUS, B 18, B 30, RS 30, RS 40, XL 9
	Digital thermostat THD with 5 m cable	4150.106	for heaters made in 2015 or later	BV 110, BV 170, BV 290, BV 310, BV 470, BV 690, CF 75, GREEN 310, GREEN 470
	Trolley	4103.925 4201.159		B 35, B 70 XL 6
	Manometers	4109.427 4109.435 4201.187	0-0,6 bar 0-16 bar 0-25 bar	DIRECT OIL – LOW PRESSURE B 180, B 230, B 360, BV 77, BV 110, BV 170, BV 290, XL 9 XL 6
	Extension cord	4511.031 4511.033 4511.035 4511.032 4511.034 4511.036	5 m 5 m 5 m 10 m 10 m 10 m	B 5, B 9 B 15, B 18, B 22 B 30, RS 30, RS 40 B 5, B 9 B 15, B 18, B 22 B 30, RS 30, RS 40
	1-way outlet	4514.097 4514.093	Ø 600 mm Ø 700 mm	BV 470 BV 690
	2-way outlet to be applied on 1-way outlet	4514.096 4514.080 4511.808 4511.807 4033.230 4033.229	2 x Ø 400 mm 2 x Ø 500 mm 2 x Ø 225 mm 2 x Ø 290 mm 2 x Ø 310 mm 2 x Ø 410 mm	BV 470 BV 690 B 18 B 30 BV 110, BV 170 BV 290
	4-way outlet	4514.789	4 x Ø 225 mm	BV 310
	Flexible tubes black and yellow First 2 m are made of a material resistant to 150°C	4515.557 4515.550 4515.553 4515.558 4031.401 4515.551 4515.554 4515.552 4031.038 4515.556	Ø 230 mm - 7,6 m Ø 305 mm - 3 m Ø 305 mm - 7,6 m Ø 350 mm - 7,6 m Ø 407 mm - 7,6 m Ø 407 mm - 15 m Ø 450 mm - 7,6 m Ø 508 mm - 7,6 m Ø 610 mm - 7,6 m Ø 710 mm - 7,6 m	BV 310 (4-way outlet), B 18 (2-way outlet) BV 77 BV 470 (4-way outlet), BV 77, BV 110 (2-way outlet), BV 170 (2-way outlet), B 18, B 30 (2-way outlet) BV 690 (4-way outlet) BV 110, BV 170, BV 290 (2-way outlet), BVS 170, B 30, BV 470 (2-way outlet) B 30 BV 310 (1-way outlet), GREEN 310 BV 690 (2-way outlet), RS 30, RS 40 BV 290, BVS 290, BV 470 (1-way outlet), GREEN 470 BV 690 (1-way outlet)
	Flexible tubes white First 2 m are made of a material resistant to 150°C	4515.588 4515.589 4515.590 4515.587	Ø 305 mm - 7,6 m Ø 407 mm - 7,6 m Ø 508 mm - 7,6 m Ø 610 mm - 7,6 m	BV 470 (4-way outlet), BV 77, BV 110 (2-way outlet), BV 170 (2-way outlet), B 18, B 30 (2-way outlet) BV 110, BV 170, BV 290 (2-way outlet), BVS 170, B 30, BV 470 (2-way outlet) BV 690 (2-way outlet), RS 30, RS 40 BV 290, BVS 290, BV 470 (1-way outlet), GREEN 470
	Perforated tubes	4514.593 4514.594 4517.617	Ø 509 mm - max. 25 m Ø 611 mm - max. 50 m Ø 713 mm - max. 50 m	BV 310, GREEN 310 BV 470, GREEN 470 BV 690
	Connection kit for 1-way outlet	4517.719 4518.181 4517.720 4517.721	Ø 509 mm Ø 611 mm Ø 611 mm Ø 713 mm	BV 310, GREEN 310 BV 470 GREEN 470 BV 690
	Duct hanger for perforated tubes	4517.716 4517.717 4517.718	Ø 500 mm Ø 600 mm Ø 700 mm	BV 310, GREEN 310 BV 470, GREEN 470 BV 690

ACCESSORIES

PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Adaptor ring kit	4032.950 4031.909 4031.910 4210.180	Ø 294 mm Ø 400 mm Ø 600 mm Ø 500 mm	BV 77 BV 110, BV 170, BVS 170 BV 290, BVS 290 RS 30, RS 40
	Bag for flexible tubes	4515.592 4515.591 4515.593	Ø 305 mm Ø 407 mm Ø 610 mm	
	Rain cover	4514.652 4514.651 4514.650		BV 77 BV 110, BV 170 BV 290
	Wheel	4117.121 4514.628 4514.601 4514.618		XL 9 BV 310 BV 470 BV 690
	Diffuser	4517.744 4517.745 4517.746	Ø 300 mm Ø 400 mm Ø 600 mm	BV 77, BV 470 (4-way outlet), B 18 BV 110, BV 170, BV 470 (2-way outlet), B 30 BV 290, BV 470 (1-way outlet)
	Fuel line 4m	4031.460		BV 310, BV 470, BV 690
	Fuel scoop	4515.932		BV 310, BV 470, BV 690
	Fuel tank	4514.091 4514.098 4514.099	85 l 140 l 200 l	BV 310 BV 470 BV 690
	Top	4514.084 4514.085 4514.086		BV 310 BV 470 BV 690
	BAT3 3Ah Lithium Battery	4106.312		BLP 17M DC
	CHA Battery charger	4106.313		BLP 17M DC
	Stacking kit	4117.383		XL 9
	Stainless steel exhaust-pipe 1m	4013.260 4013.243 4013.245	Ø 120 mm Ø 150 mm Ø 200 mm	BV 77 BV 110, BV 170, BV 290, BV 310 BV 470, BV 690
	Stainless steel exhaust elbow 90°	4013.261 4013.247 4013.248	Ø 120 mm Ø 150 mm Ø 200 mm	BV 77 BV 110, BV 170, BV 290, BV 310 BV 470, BV 690
	Stainless steel chimney pot	4013.262 4013.249 4013.250	Ø 120 mm Ø 150 mm Ø 200 mm	BV 77 BV 110, BV 170, BV 290, BV 310 BV 470, BV 690
	Air recycling kit	4100.826 4100.825 4517.778 4517.002 4517.001		BV 110, BV 170 BV 290 BV 310 BV 470 BV 690

DIRECT OIL HEATERS

LOW PRESSURE



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.

B 35
B 70



PATENTED

B 100
B 150



PATENTED

B 300



PATENTED



- High air displacement
- Possible connection to an optional room thermostat
- Two oil filters: oil tank filter and suction filter
- Thermally protected motor
- Electronic flame control with photocell
- Stainless steel combustion chamber
- Trolley included for B 100, B 150 and B 300
- Oil tank with level indicator
- Easy to move
- Easy maintenance

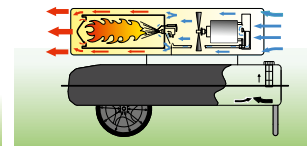
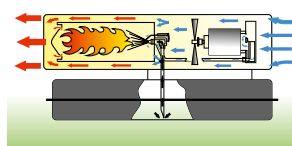
OPTIONAL ACCESSORIES:



Room thermostat
TH5 with cable
3 m - 4150.105
10 m - 4150.112



Trolley
B 35, B 70
4103.925



SPECIFICATIONS		B 35	B 70	B 100	B 150	B 300
Heating power	kW	10	20	29	44	44/88
	Btu/h	34.200	68.300	99.300	150.500	150.500-301.000
	kcal/h	8.600	17.200	25.000	37.900	37.900-75.800
Air displacement	m ³ /h	280	400	800	900	900/1.800
Fuel autonomy	h	16	10	16	10	23/12
Thermostat control		optional TH5	optional TH5	optional TH5	optional TH5	optional TH5
Fuel consumption	kg/h	0,8	1,6	2,3	3,5	3,5/7
Power supply	V	220-240	220-240	220-240	220-240	220-240
Frequency	Hz	50-60	50-60	50-60	50-60	50-60
Electric power	kW	0,08	0,18	0,23	0,28	0,28/0,56
Rated current	A	0,35	0,8	1,0	1,2	1,2/2,4
Protection		IP41	IP41	IP41	IP41	IP41
Tank capacity	l	15	19	44	44	105
Packaging dimension (l x w x h)	mm	810 x 350 x 450	810 x 350 x 450	1110 x 400 x 450	1110 x 400 x 450	1600 x 750 x 900
Net/gross weight	kg	14/16	15/18	25/28	25/28	53/70
Pallet	pcs	15	15	10	10	1
Dual voltage		no	no	no	available	no

DIRECT OIL HEATERS HIGH PRESSURE



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.



B 130
B 180



B 230
B 360



- ▼ Possible connection to an optional room thermostat
- ▼ Possible connection to a fuel pre-heater
- ▼ Overheat thermostat
- ▼ Post-ventilation
- ▼ Thermally protected motor
- ▼ Transparent external suction filter
- ▼ Three oil filters: oil pump filter, suction filter and inlet filter
- ▼ Electronic flame control with photocell
- ▼ Stainless steel combustion chamber
- ▼ Oil tank with level indicator
- ▼ Trolley included
- ▼ High quality fuel pump
- ▼ Easy maintenance with external pump
- ▼ Diagnostic LED

HEAT

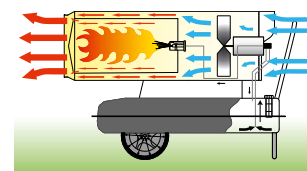
OPTIONAL ACCESSORIES:



Room thermostat
TH5 with cable
3 m - **4150.105**
10 m - **4150.112**



Fuel pre-heater
B 130, B 180 - **4100.827**
B 230, B 360 - **4031.120**



SPECIFICATIONS		B 130	B 180	B 230	B 360
Heating power	kW	31	48	65	111
	Btu/h	106.000	165.000	222.000	379.000
	kcal/h	26.700	41.200	56.000	95.460
Air displacement	m ³ /h	1.550	1.550	3.000	3.300
Fuel autonomy	h	12	8	10	10
Thermostat control		optional TH5	optional TH5	optional TH5	optional TH5
Fuel consumption	kg /h	2,47	3,8	5,2	8,83
Power supply	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50-60
Electric power	kW	0,3	0,3	0,8	1,06
Rated current	A	1,5	1,5	3,5	4,6
Protection		IP41	IP41	IP41	IP41
Tank capacity	l	36	36	65	105
Packaging dimension (l x w x h)	mm	1200 x 400 x 530	1200 x 400 x 530	1200 x 650 x 1000	1600 x 750 x 1180
Net/gross weight	kg	29/33	30/34	57/72	84/105
Pallet		8	8	1	1

INDIRECT OIL HEATERS HIGH PRESSURE

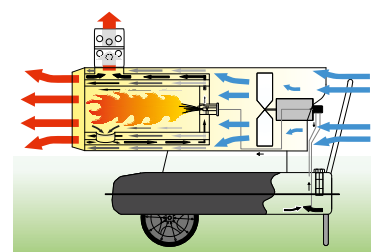


BV 77



**BV 110
BV 170
BV 290**

- ▼ Clean hot air
- ▼ Possible connection to a flexible tube
- ▼ Flue gas exhaust
- ▼ Heat exchanger
- ▼ Possible connection to an optional room thermostat
- ▼ Possible connection to a fuel pre-heater
- ▼ Overheat thermostat
- ▼ Post-ventilation
- ▼ Thermally protected motor
- ▼ Transparent external suction filter
- ▼ Three oil filters: oil pump filter, suction filter and inlet filter
- ▼ Electronic flame control with photocell
- ▼ Stainless steel combustion chamber
- ▼ Oil tank with level indicator
- ▼ Trolley included
- ▼ High quality fuel pump
- ▼ Easy maintenance with external pump
- ▼ Diagnostic LED

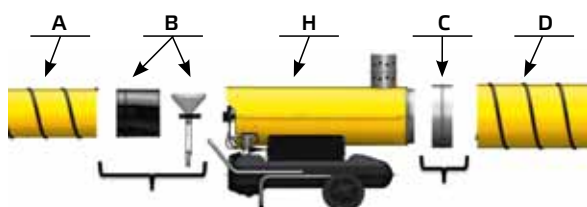


SPECIFICATIONS		BV 77	BV 110	BV 170	BV 290
Heating power	kW	20	33	47	81
	Btu/h	68.300	112.800	160.400	276.300
	kcal/h	17.200	28.400	40.400	69.600
Air displacement	m ³ /h	1.550	1.800	1.800	3.300
Fuel autonomy	h	19	21	14	13
Thermostat control		optional	optional	optional	optional
Fuel consumption	kg/h	1,67	2,71	3,9	6,8
Power supply	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50-60
Electric power	kW	0,3	0,8	0,8	1,06
Rated current	A	1,5	3,5	3,5	4,6
Protection		IP41	IP41	IP41	IP41
Tank capacity	l	36	65	65	105
Flue tube Ø	mm	120	150	150	150
Blast opening Ø	mm	230	340	340	400
Packaging dimension (l x w x h)	mm	1200 x 400 x 530	1200 x 650 x 1000	1330 x 650 x 1000	1600 x 750 x 1180
Net/gross weight	kg	33/37	61/77	65/84	100/124
Pallet	pcs	8	1	1	1
Dual voltage		available	no	available	available

INDIRECT OIL HEATERS HIGH PRESSURE



HEAT



AIR DUCTING

A		B	H	C	D	
INLET HOSE	Ø INLET HOSE	AIR RECYCLING KIT		ADAPTOR RING KIT	Ø OUTLET DIAMETER	OUTLET HOSE
4515.553	305 mm	4100.826	BV 110 BV 170	4031.909	407 mm	4031.401
4031.401	407 mm	4100.825	BV 290	4031.910	610 mm	4031.038

OPTIONAL ACCESSORIES:



**Room thermostat
TH5 with cable**
3 m - **4150.105**
10 m - **4150.112**



**Digital thermostat THD
with 5 m cable**
4150.106
for heaters made in Oct 2015 or later



Fuel pre-heater
BV 77 - **4100.827**
BV 110, BV 170, BV 290
- **4031.120**



Flexible tubes - 1-way outlet
BV 77 - Ø 305 mm - 3 m - **4515.550**
BV 77 - Ø 305 mm - 7,6 m
- **4515.553**
BV 110, BV 170 - Ø 407 mm
- **4031.401**
BV 290 - Ø 610 mm - **4031.038**
Flexible tubes - 2-way outlet
BV 110, BV 170 - Ø 305 mm
- **4515.553**
BV 290 - Ø 407 mm - **4031.401**



Adaptor ring kit
BV 77 - Ø 294 mm - **4032.950**
BV 110, BV 170 - Ø 400 mm
- **4031.909**
BV 290 - Ø 600 mm - **4031.910**



2-way outlet
BV 110, BV 170
- 2 x Ø 310 mm - **4033.230**
BV 290 - 2 x Ø 410 mm
- **4033.229**



Flexible tubes white
BV 77 - Ø 305 mm - 7,6 m
- **4515.588**
BV 110, BV 170 - Ø 407 mm
- 7,6 m - **4515.589**
BV 290 - Ø 610 mm - 7,6 m
- **4515.587**



Rain cover
BV 77 - **4514.652**
BV 110, BV 170 - **4514.651**
BV 290 - **4514.650**

Master rain cover increase static IP protection to a value of IP44



Air recycling kit
BV 110, BV 170
- **4100.826**
BV 290 - **4100.825**



Diffuser
BV 77 - Ø 300 mm - **4517.744**
BV 110, BV 170 - Ø 400 mm
- **4517.745**
BV 290 - Ø 600 mm - **4517.746**



Stainless steel exhaust-pipe 1m
BV 77 - Ø 120 mm - **4013.260**
BV 110, BV 170, BV 290
- Ø 150 mm - **4013.243**



**Stainless steel exhaust
elbow 90°**
BV 77 - Ø 120 mm - **4013.261**
BV 110, BV 170, BV 290
- Ø 150 mm - **4013.247**



Stainless steel chimney pot
BV 77 - Ø 120 mm
- **4013.262**
BV 110, BV 170, BV 290
- Ø 150 mm - **4013.247**

INDIRECT OIL HEATERS AIR-BUS HIGH PRESSURE



BV 310



Available version
with 4 or with
1 outlets

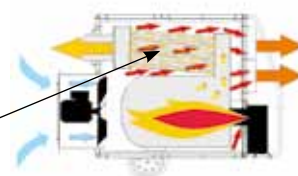


**BV 470
BV 690**



- ▼ Clean hot air
- ▼ Achieved pressure 100 Pa
- ▼ Possible connection to an optional room thermostat
- ▼ Possible connection to 4, 2 or 1 flexible tubes
- ▼ Flue gas exhaust
- ▼ Separate Riello burner
- ▼ Summer-Winter switch for ventilation only
- ▼ Fuel pre-heating
- ▼ Electronic flame control with photocell
- ▼ Fan-Limit thermostat with automatic reset
- ▼ Limit thermostat with manual reset
- ▼ Two oil filters: oil pump filter and suction filter
- ▼ Fuel pre-heat filter included
- ▼ High efficiency heat exchanger
- ▼ Stainless steel combustion chamber
- ▼ Trolley included
- ▼ On request: gas burner instead of oil burner

Multiple stainless steel
tubes with turbulators
allow high efficiency
and easy cleaning



SPECIFICATIONS		BV 310FS	BV 470FS	BV 690FS	BV 690FT
Heating power	kW	75	134	220	220
	Btu/h	256.000	460.000	751.000	751.000
	kcal/h	64.500	115.000	190.000	190.000
Air displacement	m ³ /h	4.400	8.000	12.500	12.500
Fan		axial	axial	axial	axial
Thermostat control		optional	optional	optional	optional
Fuel consumption	kg/h	6,4	11,3	18,5	18,5
Power supply	V	230	230	230	3N 400
Frequency	Hz	50	50	50	50
Electric power	kW	1,1	2,03	3,68	3,4
Rated current	A	6,2	8,8	16	5,8
Protection		IP43	IP43	IP43	IP43
Flue tube Ø	mm	150	200	200	200
Blast opening Ø	mm	1 x 450	4 x 270 1 x 600	4 x 320 1 x 700	4 x 320 1 x 700
Packaging dimension (l x w x h)	mm	1500 x 620 x 1080	2090 x 755 x 1230	2210 x 850 x 1380	2200 x 840 x 1470
Net/gross weight	kg	162/185	225/253	326/365	333/371

INDIRECT OIL HEATERS AIR-BUS HIGH PRESSURE



On request:
Radial fan version is available
Featuring 200 Pa



HEAT

OPTIONAL ACCESSORIES:



Room thermostat
TH5 with cable
3 m - **4150.105**
10 m - **4150.112**



Digital thermostat
THD with 5 m cable
4150.106
for heaters made in Jul 2015 or later



Top
BV 310 - **4514.084**
BV 470 - **4514.085**
BV 690 - **4514.086**



Fuel tank
BV 310 - 85 l - **4514.091**
BV 470 - 140 l - **4514.098**
BV 690 - 200 l - **4514.099**



Fuel line 4 m
(are required 2 pieces per 1 unit,
supply line and return line)
4031.460



Fuel scoop
4515.932



1-way outlet
BV 470 - Ø 600 mm - **4514.097**
BV 690 - Ø 700 mm - **4514.093**



2-way outlet to be applied
on 1-way outlet
BV 470 - 2 x Ø 400 mm - **4514.096**
BV 690 - 2 x Ø 500 mm - **4514.080**



4-way outlet
BV 310
- 4 x Ø 225 mm
- **4514.789**



Flexible 7,6 m tubes
4-way outlet
BV 310 - Ø 230 mm - **4515.557**
BV 470 - Ø 305 mm - **4515.553**
BV 690 - Ø 350 mm - **4515.558**
2-way outlet
BV 470 - Ø 407 mm - **4031.401**
BV 690 - Ø 508 mm - **4515.552**
1-way outlet
BV 310 - Ø 450 mm - **4515.554**
BV 470 - Ø 610 mm - **4031.038**
BV 690 - Ø 710 mm - **4515.556**



Perforated tubes
BV 310 - Ø 509 mm - max. 25 m - **4514.593**
BV 470 - Ø 611 mm - max. 50 m - **4514.594**
BV 690 - Ø 713 mm - max. 50 m - **4517.617**



Wheel
4117.121



Air recirculation kit
BV 310 - kit **4517.788** - tube **4517.620**
BV 470 - kit **4517.002** - tube **4517.621**
BV 690 - kit **4517.001** - tube **4517.622**



Fire damper
BV 310 - Ø450 mm - **4150.122**
BV 470 - Ø560 mm - **4150.123**
BV 690 - Ø710 mm - **4150.124**

ELECTRIC FAN HEATERS



B 2
B 3



B 2PTC



B 5
B 9
B 15
B 22

- ▶ Automatic reset
- ▶ Built-in room thermostat
- ▶ No oxygen consumption
- ▶ No fumes, no odours, no humidity
- ▶ Summer-Winter switch for ventilation only
- ▶ Low noise
- ▶ Motor with thermal protection
- ▶ Overheat thermostat
- ▶ Adjustable heat



OPTIONAL ACCESSORIES:



Extension cord

B 5, B 9 - 5 m - **4511.031**
B 5, B 9 - 10 m - **4511.032**
B 15, B 22 - 5 m - **4511.033**
B 15, B 22 - 10 m - **4511.034**



SPECIFICATIONS		B 2PTC	B 2	B 3	B 5	B 9	B 15	B 22
Heating power	kW	1/2	1/2	1,65/3,3	2,5/5	4,5/9	7,5/15	11/22
	Btu/h	3.400-6.800	3.400-6.800	5.630-11.260	8.530-17.000	515.350-30.700	25.600-51.200	37.530-75.100
	kcal/h	860-1.720	860-1.720	1.430-2.860	2.150-4.300	3.870-7.740	6.450-12.900	9.460-18.900
Air displacement	m³/h	97	184	510	510	800	1.700	2.400
Power supply	V	230	230	230*	3N 400	3N 400	3N 400	3N 400
Frequency	Hz	50	50-60	50-60	50-60	50-60	50-60	50-60
Plug (male) from heater side		16A/3P	16A/3P	16A/3P	16A/5P	16A/5P	32A/5P	32A/5P
Rated current	A	8,7	8,7	14,5	7,2	13	22	32
Switch pos. 1		1 kW	off	off	off	off	off	off
Switch pos. 2		2 kW	fan	fan	fan	fan	fan	fan
Switch pos. 3/4	kW	-	1,0/2,0	1,65/3,3	2,5/5,0	4,5/9,0	7,5/15	11,0/22,0
Thermostat control		included	included	included	included	included	included	included
Temperature range	°C	0-40	5-35	5-35	5-35	5-35	5-35	5-35
Protection		IP21	IP24	IP24	IP24	IP24	IP24	IP24
Packaging dimension (l x w x h)	mm	200 x 200 x 200	240 x 220 x 260	280 x 270 x 440	370 x 310 x 390	420 x 330 x 430	370 x 480 x 530	380 x 550 x 630
Net/gross weight	kg	1,9/2,1	3,7/4,2	5,1/5,7	6,4/6,8	9,3/10,3	15/15,9	20/22,8
Pallet	pcs	160	75	48	40	24	15	12

* 110 V available

ELECTRIC FAN HEATERS DUCTABLE



B 18
B 30



RS 30
RS 40



PATENT PENDING



- ▼ Possible connection to a flexible tube
- ▼ Easy to move thanks to big wheels
- ▼ Power cord included
- ▼ Lifting eyes for easy transport (B 30)
- ▼ Manual reset
- ▼ Built-in room thermostat (RS 40)
- ▼ Possible connection to an optional room thermostat
- ▼ No oxygen consumption
- ▼ No fumes, no odours, no humidity
- ▼ Summer-Winter switch for ventilation only
- ▼ Low noise
- ▼ Motor with thermal protection
- ▼ Overheat thermostat
- ▼ Adjustable heat

OPTIONAL ACCESSORIES:



Room thermostat
TH5 with cable
3 m - **4150.105**
10 m - **4150.112**



Extension cord
B 18 - 5 m - **4511.033**
B 18 - 10 m - **4511.034**
B 30, RS 30, RS 40
- 5 m - **4511.035**
B 30, RS 30, RS 40
- 10 m - **4511.036**



Adaptor
ring kit
RS 30
RS 40
4210.180



Flexible tubes 1-way outlet
B 18 - Ø 305 mm - 7,6 m - **4515.553**
B 30 - Ø 407 mm - 7,6 m - **4031.401**
B 30 - Ø 407 mm - 15 m - **4515.551**
RS 30, RS 40 - Ø 508 mm - 7,6 m
- **4515.552**



2-way outlet
B 18 - Ø 225 mm - **4511.808**
B 30 - Ø 290 mm - **4511.807**

Flexible tubes 2-way outlet
B 18 - 2 x Ø 230 mm - **4515.557**
B 30 - 2 x Ø 305 mm - **4515.553**

SPECIFICATIONS		B 18	B 30	RS 30	RS 40
Heating power	kW	9/18	15/30	15/30	13/26/40
	Btu/h	30.700-61.400	51.200-102.400	51.200-102.400	44.360-136.500
	kcal/h	7.740-15.480	12.900-25.800	12.900-25.800	11.200-34.400
Air displacement	m³/h	1.700	3.500	3.100	3.100
Power supply	V	3~ 400	3~ 400	3~380-400	3~380-400
Frequency	Hz	50-60	50-60	50	50
Plug (male) from heater side		32A/5P	63A/5P	63A/5P	63A/5P
Rated current	A	26	43,5	43	58
Switch pos. 1		off	off	off	fan
Switch pos. 2		fan	fan	fan	13 kW
Switch pos. 3/4	kW	9/18	15/30	15/30	26/40
Thermostat control		optional TH5	optional TH5	on board	on board
Temperature range	< 25	< 25	< 25	-5 - +35	-5 - +35
Protection		IP24	IP24	IP20	IP20
Packaging dimension (l x w x h)	mm	600 x 400 x 460	1050 x 600 x 820	740 x 630 x 770	870 x 630 x 770
Net/gross weight	kg	27/29,3	53/63	38/42	46/52
Pallet	pcs	16	1	6	6

DIRECT GAS HEATERS

MECHANIC 14,4V



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.



BLP 17MDC

PATENTED



- It works with lithium accu or with power adapter
- It works at 14.4V only and therefore offers the highest electrical safety
- It is equipped with DC brushless motors and electronic board for power management which allow very low energy consumption: only 10% of a conventional AC heater
- Equipped with Master Lithium Battery BAT3
- Power adapter for 220 V AC or 110 V AC included
- Manual ignition
- Regulator includes safety valve which stops the gas flow in case of cracks of the gas tube
- Regulator and gas hose included
- Motor with thermal protection
- Overheat thermostat
- Adjustable heat
- 8 hours autonomy
- 40 minutes charge time

INCLUDED:



BAT3 3Ah
Master lithium accu
4106.312

It allows long autonomy: more than 8 hours completely independent from the net. BAT3 Master can be easily removed and recharged. BAT3 Master lithium battery allows more than thousand recharges.



CHA Master accu charger
4106.313

It allows fast battery recharges (in average less than 1 hour). CHA Master battery charger is compatible with 110/240V and 50/60 Hz.



Power adapter
for 220V
and 110V

SPECIFICATIONS		BLP 17M DC
Heating power	kW	10-16
	Btu/h	34.200-54.800
	kcal/h	8.600-13.800
Pressure	bar	0,7
Ignition		manual
BAT3 battery autonomy	h	8
Thermostat control		no
Air displacement	m ³ /h	300
Fuel consumption	kg/h	1,16
Power supply	V	110-240
Frequency	Hz	50-60 or 14,4V lithium accu
Electric power	kW	0,005
Rated current	A	0,4
Packaging dimension (l x w x h)	mm	550 x 230 x 300
Net/gross weight	kg	4/7,5
Pallet	pcs	49

DIRECT GAS HEATERS MECHANIC



PROPANE
BUTANE



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.



BLP 17M
BLP 33M
BLP 53M
BLP 73M

PATENTED



- ▼ Manual ignition
- ▼ Electrovalve
- ▼ Safety gas valve with thermocouple
- ▼ Regulator includes safety valve which stops the gas flow in case of cracks of the gas tube
- ▼ Regulator and gas hose included
- ▼ Motor with thermal protection
- ▼ Overheat thermostat
- ▼ Adjustable heat
- ▼ Easy maintenance



Multiple bottles coupling set

DE/AT/DK/NL/PL:

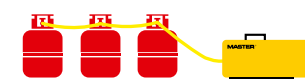
gas hose - **4515.901**

gas regulator - **4515.902**

ES/HR/SI/CZ/HU/FR/CH/BE/SK/YU/BA/RO/BG/LT/LV/EE/BA/RU:

gas hose - **4515.914**

gas regulator - **4515.912**



SPECIFICATIONS		BLP 17M	BLP 33M	BLP 53M	BLP 73M
Heating power	kW	10-16	18-33	36-53	49-73
	Btu/h	34.200-54.800	61.500-112.800	123.000-181.000	167.100-249.300
	kcal/h	8.600-13.800	15.500-28.400	31.000-45.600	42.100-62.800
Pressure	bar	0,7	0,75-1,5	0,75-1,5	0,75-1,5
Ignition		manual	manual	manual	manual
Thermostat control		no	no	no	no
Air displacement	m ³ /h	300	1.000	1.450	2.300
Fuel consumption	kg/h	1,16	2,4	3,78	5,02
Power supply	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50
Electric power	kW	0,053	0,06	0,11	0,218
Rated current	A	0,23	0,26	0,48	0,95
Packaging dimension (l x w x h)	mm	550 x 230 x 300	600 x 250 x 360	680 x 300 x 510	760 x 300 x 510
Net/gross weight	kg	4,5/5,5	7,5/9	13/15	15/17
Pallet	pcs	49	36	16	16
Dual voltage	pcs	no	available	available	available

DIRECT GAS HEATERS ELECTRONIC



PROPANE
BUTANE



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.



**BLP 33ET
BLP 53ET
BLP 73ET**

PATENTED



BLP 103ET

- ▶ Electronic ignition
- ▶ Double electrovalve
- ▶ The ionization electrode continuously checks the presence of the flame
- ▶ Possible connection to an optional room thermostat
- ▶ Post ventilation
- ▶ BLP 103ET trolley included
- ▶ Regulator includes safety valve which stops the gas flow in case of cracks of the gas tube
- ▶ Regulator and gas hose included
- ▶ Motor with thermal protection
- ▶ Overheat thermostat
- ▶ Adjustable heat
- ▶ Strong and long lasting construction
- ▶ Easy maintenance



OPTIONAL ACCESSORIES:



**Room thermostat
TH5 with cable**
3 m - **4150.105**
10 m - **4150.112**



Multiple bottles coupling set

DE/AT/DK/NL/PL:

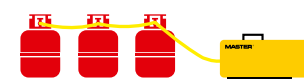
gas hose - **4515.901**

gas regulator - **4515.902**

ES/HR/SI/CZ/HU/FR/CH/BE/SK/YU/BA/RO/BG/LT/LV/EE/BA/RU:

gas hose - **4515.914**

gas regulator - **4515.912**



SPECIFICATIONS		BLP 33ET	BLP 53ET	BLP 73ET	BLP 103ET
Heating power	kW	18-33	36-53	49-73	57-103
	Btu/h	61.500-112.800	123.000-181.000	167.100-249.300	194.500-351.700
	kcal/h	15.500-28.400	31.000-45.600	42.100-62.800	49.000-88.600
Pressure	bar	0,75-1,5	0,75-1,5	0,75-1,5	0,75-2,0
Ignition		electronic	electronic	electronic	electronic
Thermostat control		optional TH5	optional TH5	optional TH5	optional TH5
Air displacement	m ³ /h	1.000	1.450	2.300	3.260
Fuel consumption	kg/h	2,4	3,78	5,02	6,66
Power supply	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50
Electric power	kW	0,074	0,126	0,23	0,23
Rated current	A	0,32	0,55	1,00	1,00
Packaging dimension (l x w x h)	mm	600 x 250 x 360	680 x 300 x 510	760 x 300 x 510	940 x 390 x 620
Net/gross weight	kg	7,5/9	13/15	15/17	22,3/27,5
Pallet	pcs	36	16	16	6

INFRARED ELECTRIC HEATERS



TS 3A



HALL 1500



HALL 3000



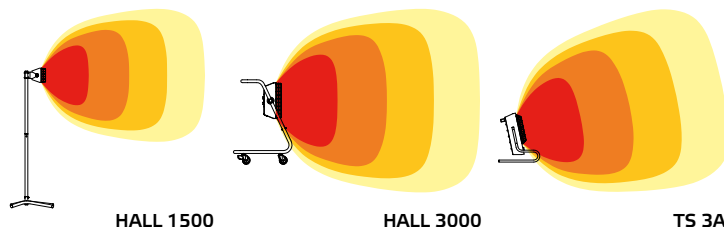
- ▶ No noise
- ▶ Radiant heating
- ▶ No air flow
- ▶ Instant heat
- ▶ No oxygen consumption
- ▶ No fumes, no dust, no odours, no humidity
- ▶ 100% efficiency
- ▶ Short wave light
- ▶ Life of the lamps: 5.000 hours
- ▶ Not blinding golden lamps

HEAT

OPTIONAL ACCESSORIES:



Stand for HALL 1500
4012.321



SPECIFICATIONS		TS 3A	HALL 1500	HALL 3000
Heating power	kW	0,8 - 1,6 - 2,4	1,5	1,5/3,0
	Btu/h	2.700 - 5.500 - 8.200	5.100	5.100-10.200
	kcal/h	690 - 1.380 - 2.070	1.290	1.290-2.580
Power supply	V	220-240	220-240	220-240
Frequency	Hz	50	50	50
Rated current	A	10,5	10,5	13,0
Packaging dimension (l x w x h)	mm	440 x 390 x 240	440 x 390 x 240	550 x 340 x 640
Net/gross weight	kg	7,5/8,5	4/5	10/12
Pallet	pcs	32	36	12

INFRARED OIL HEATERS



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.

XL 6



PATENTED



XL 6 WITH TROLLEY

- ▼ Low noise
- ▼ Radiant heating
- ▼ No air flow
- ▼ Electronic flame control with photocell
- ▼ Post-ventilation
- ▼ Standard oil level indicator
- ▼ On board digital thermostat
- ▼ Suction filter and inlet filter
- ▼ Overheat thermostat
- ▼ Anti tilt switch



DISPLAY

OPTIONAL ACCESSORIES:



Trolley
4201.159

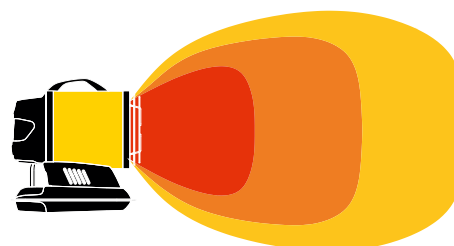


Manometer
4201.187

SPECIFICATIONS		XL 6
Heating power	kW	17
	Btu/h	58.000
	kcal/h	14.600
Fuel consumption	kg/h	1,35
Fuel autonomy	h	7
Thermostat control		included
Electric power	kW	0,2
Power supply	V	220-240*
Frequency	Hz	50
Rated current	A	0,85
Tank capacity	l	11
Packaging dimension (l x w x h)	mm	600 x 380 x 580
Net/gross weight	kg	19/21
Pallet	pcs	16

* 110 V available

T Ambient 20°C	0,5 m	1 m	1,5 m
XL6	110°C	50°C	20°C



INFRARED OIL HEATERS



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.



XL 9



- ▼ Low noise
- ▼ Radiant heating
- ▼ No air flow
- ▼ Electronic flame control with photocell
- ▼ Post-ventilation
- ▼ Standard oil level indicator
- ▼ Possible connection to an optional room thermostat
- ▼ Oil pump filter, suction filter and inlet filter
- ▼ Adjustable direction/Tilting
- ▼ Trolley included

OPTIONAL ACCESSORIES:



Fuel pre-heater
4031.120



Room thermostat
TH5 with cable
3 m - 4150.105
10 m - 4150.112



Stacking kit
4117.383



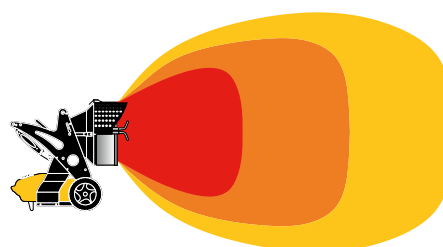
Wheel
4117.121



Manometer
4109.435

SPECIFICATIONS		XL 9ER		XL 9SR	
Heating power	kW	43		29	43
	Btu/h	146.900		99.300	146.900
	kcal/h	37.000		25.000	37.000
Fuel consumption	kg/h	3,37		2,3	3,37
Fuel autonomy	h	15		21	14
Thermostat control		optional TH5		optional TH5	
Electric power	kW	0,14		0,16	
Power supply	V	220-240*		220-240*	
Frequency	Hz	50		50	
Rated current	A	0,6		0,7	
Tank capacity	l	60		60	
Packaging dimension (l x w x h)	mm	1200 x 750 x 1130		1200 x 750 x 1130	
Net/gross weight	kg	72/89		69/85	
Pallet	pcs	1		1	

* 110 V available



DIRECT AND INDIRECT OIL HEATERS SUSPENDED



Ventilation of the room is necessary to prevent a deficiency in oxygen supply.



DIRECT
BS 230
BS 360



INDIRECT
BVS 170
BVS 290

- ▶ Designed for suspension including frame for lifting
- ▶ External fuel tank according to the needs
- ▶ Lighter in weight thanks to the lack of fuel tank
- ▶ Possible connection to an optional room thermostat
- ▶ Possible connection to a flexible tube (for BVS models)
- ▶ Possibility of flue gas exhaust (for BVS models)
- ▶ High air flow
- ▶ Overheat thermostat
- ▶ Transparent external suction filter
- ▶ Three oil filters: oil pump filter, suction filter and inlet filter
- ▶ Electronic flame control with photocell
- ▶ Stainless steel combustion chamber
- ▶ Easy maintenance with external pump
- ▶ 2 pieces of fuel line (supply and return line) included

OPTIONAL ACCESSORIES:



Room thermostat
TH5 with cable
3 m - 4150.105
10 m - 4150.112



Digital thermostat THD
with 5 m cable
4150.106
for heaters made
in Oct 2015 or later



Fuel
pre-heater
4031.120



Flexible tubes - 7,6 m
BVS 170 - Ø 407 mm
- 4031.401
BVS 290 - Ø 610 mm
- 4031.038



Adaptor ring kit
BVS 170 - Ø 400 mm
- 4031.909
BVS 290 - Ø 600 mm
- 4031.910

SPECIFICATIONS		BS 230	BS 360	BVS 170	BVS 290
Heating power	kW	65,0	111,0	47,0	81,0
	Btu/h	222.000	379.000	160.400	276.300
	kcal/h	56.000	95.460	40.400	69.600
Air displacement	m³/h	3.000	3.300	1.800	3.300
Thermostat control		optional	optional	optional	optional
Oil consumption	kg/h	5,20	8,83	3,90	6,80
Power supply	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50-60	50	50-60
Electric power	kW	0,8	1,06	0,8	1,06
Rated current	A	2,3	4,6	3,5	4,6
Protection		IP41	IP41	IP41	IP41
Flue tube Ø	mm	-	-	150	150
Outlet hose Ø	mm	-	-	340	400
Packaging dimension (l x w x h)	mm	1300 x 650 x 700	1600 x 750 x 800	1300 x 650 x 890	1600 x 750 x 990
Net/gross weight	kg	46/65	72/96	54/73	87/108
Pallet	pcs	1	1	1	1

OIL AND GAS INDIRECT HEATERS SUSPENDED



GREEN 310
GREEN 470



- ▶ Separate oil burner
- ▶ Electronic flame control with photocell
- ▶ Fan-Limit thermostat with automatic reset
- ▶ Limit thermostat with manual reset
- ▶ Possible connection to an optional room thermostat
- ▶ Summer-Winter switch for ventilation only
- ▶ High efficiency heat exchanger
- ▶ Stainless steel combustion chamber
- ▶ Two oil filters: oil pump filter and suction filter
- ▶ On request: natural and LP gas burner

OPTIONAL ACCESSORIES:



Room thermostat
TH5 with cable
3 m - **4150.105**
10 m - **4150.112**



Digital thermostat THD
with 5 m cable
4150.106
for heaters made
in Jul 2015 or later



Fuel line 4 m
4031.460
(are required 2 pieces
per 1 unit, supply line and
return line)



Flexible tubes - 7,6 m
GREEN 310 - Ø 450 mm
- **4515.554**
GREEN 470 - Ø 610 mm
- **4031.038**



Perforated tubes
GREEN 310 - Ø 509 mm - max. 25m - **4514.593**
GREEN 470 - Ø 611 mm - max. 50 m - **4514.594**



Ducts hanger
GREEN 310 - Ø 500 mm
- **4517.716**
GREEN 470 - Ø 600 mm
- **4517.717**

Connection kit
GREEN 310 - **4517.719**
GREEN 470 - **4517.720**

SPECIFICATIONS		GREEN 310	GREEN 470
Heating power	kW	75	134
	Btu/h	256.000	460.000
	kcal/h	64.500	115.000
Air displacement	m ³ /h	4.600	8.000
Thermostat control		optional	optional
Oil consumption	kg/h	6,4	11,3
Power supply	V	230	230
Frequency	Hz	50	50
Electric power	kW	1,1	2,03
Rated current	A	6,2	8,8
Flue tube Ø	mm	150	200
Outlet hose Ø	mm	450	560
Packaging dimension (l x w x h)	mm	1500 x 620 x 1080	1740 x 755 x 1253
Net/gross weight	kg	148/171	219/247



DIRECT GAS HEATERS SUSPENDED



CF 75 SPARK



- ▶ Designed for indoor and outdoor mounting
- ▶ Can be placed on the floor or hanged on the ceiling
- ▶ Galvanized steel combustion chamber
- ▶ Reliable twin spark ignition
- ▶ Natural gas or LP gas burner
- ▶ High efficiency heat exchanger
- ▶ Overheat thermostat
- ▶ Closed motor to assure safe, dependable even in harsh environments
- ▶ Galvanized steel body (CF 75)
- ▶ Stainless steel body (CF 75 INOX)

INCLUDED:



Diverter



Kit to transform
LPG into NATURAL GAS

OPTIONAL ACCESSORIES:



Room thermostat
TH5 with cable
3 m - 4150.105
10 m - 4150.112



Digital thermostat THD
with 5 m cable
4150.106
for heaters made
in Jul 2015 or later



Kit for outdoor installation
galvanized - 4230.102
inox - 4230.148



Hanging hooks
4514.801



Hanging chains
4515.513



Brackets
galvanized - 4230.120
inox - 4230.163

SPECIFICATIONS		CF 75 SPARK
Heating power	kW	75
	Btu/h	64.500
	kcal/h	255.900
Air displacement	m ³ /h	2.100
Thermostat control		optional
Fuel consumption (LPG)	m ³ /h	2,3
Fuel consumption (NATURAL GAS)	m ³ /h	8,0
Power supply	V	220-240
Frequency	Hz	50
Electric power	kW	0,5
Rated current	A	2,8
Packaging dimension (l x w x h)	mm	825 x 515 x 780
Net/gross weight	kg	57/61
Pallet	pcs	4



Outdoor installation

INDIRECT OIL AND WOOD HEATERS



DIESEL OIL WOOD OIL

HEAT

**BF 35
BF 75**

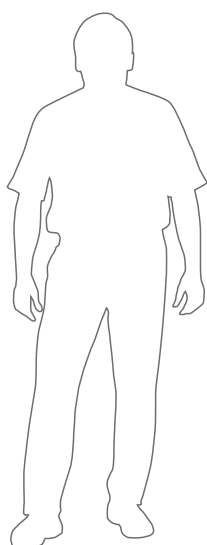


DIESEL OIL



Oil heaters BF 35/BF 75

- ▼ Large built-in oil tank with filter
- ▼ Integrated burner with electronic flame control and photocell cut-off
- ▼ Fan limit thermostat with automatic reset
- ▼ Summer-winter switch for ventilation only
- ▼ Centrifugal fan
- ▼ Stainless steel combustion chamber
- ▼ Excellent heat insulation with detachable panels
- ▼ Wide inspection doors for easy cleaning
- ▼ Built in thermostat



CT 50



WOOD

Solid fuel heater CT 50

- ▼ Wood as a cheap fuel
- ▼ Manual ignition system
- ▼ Fan can be install on both sides
- ▼ Possibility of flue gas exhaust
- ▼ Before ordering, please check local norms

SPECIFICATIONS		BF 35	BF 75	CT 50
Heating power	kW	33,7	71,1	50
	Btu/h	114.984	242.593	170.000
	kcal/h	29.000	61.200	43.000
Air displacement	m ³ /h	1.900	4.500	1.200
Fuel		oil	oil	wood
Fuel consumption	kg/h	2,84	6,00	10,97
Electric power	kW	0,245	0,590	0,14
Power supply	V	220-240	220-240	230
Frequency	Hz	50	50	50
Flue tube Ø	mm	120	150	150
Packaging dimension (l x w x h)	mm	1050 x 460 x 1600	1120 x 540 x 1700	1315 x 775 x 1190
Net weight	kg	132	173	302

HOW TO CHOOSE THE BEST HEATER FOR YOUR NEEDS

ΔT 30 °C

INFRARED HEATING SUGGESTED HEATED AREA



Oil

Electric



kW			m ²
1,5 kW	–	HALL 1500	4
2,4 kW	–	TS 3A	6
3,3 kW	–	HALL 3000	8
20 kW	XL 6	–	16
43 kW	XL 9	–	25

This chart will help you choosing the best heater for your needs. The selection can be made in two ways: you can either refer to the power required (kW column) and choose the relevant heaters or refer to the room dimension (m³ column) and choose the correct heater according to level of insulation.

This calculation is intended for a temperature increase of 30 degrees: for lower or higher increases, the result will change in proportion. Example: for a temperature increase of 10 degrees it is required only 1/3 of the power indicated in the chart.

-  **K=0,5** Well insulated buildings (houses and offices)
-  **K=1,5** Moderately insulated buildings (garages)
-  **K=2,5** Poorly insulated buildings (old houses and cellars)
-  **K=3,5** Not insulated buildings (wood or corrugated metal buildings, greenhouses)

For a finer calculation you can refer to the following formula:

$$V \times \Delta T \times K / 860 = \text{kW}$$

V is the volume to be heated in m³

ΔT is the difference between the existing and desired temperature in °C

K is the dispersion coefficient (from 0,5 to 3,5)

1 kW = 860 kcal/h

1 kcal/h = 3,97 Btu/h

1 kW = 3412 Btu/h

1 Btu/h = 0,252 kcal/h

AIRFLOW HEATING SUGGESTED HEATED VOLUME



Electric

Gas

Direct Oil

Indirect Oil



kW									
						m ³	m ³	m ³	m ³
2 kW	B 2	–	–	–		82	38	23	16
3,3 kW	B 3	–	–	–		135	63	38	27
5 kW	B 5	–	–	–		205	96	57	41
9 kW	B 9	–	–	–		369	172	103	74
10 kW	–	–	B 35	–		410	191	115	82
15 kW	B 15	–	–	–		614	287	172	123
16 kW	–	BLP 17	–	–		655	306	183	131
18 kW	B 18	–	–	–		737	344	206	147
20 kW	–	–	B 70	BV 77		819	382	229	164
22 kW	B 22	–	–	–		901	420	252	180
29 kW	–	–	B 100	–		1188	554	333	238
30 kW	B 30 RS 30	–	B 130	–		1229	573	344	246
33 kW	–	BLP 33	–	BV 110 BF 35		1351	631	378	270
40 kW	RS 40	–	–	–		2393	764	458	327
44 kW	–	–	B 150	–		1802	841	505	360
47 kW	–	–	–	BV 170 BVS 170		1925	898	539	385
48 kW	–	–	B 180	CT 50		1966	917	550	393
53 kW	–	BLP 53	–	–		2170	1013	608	434
65 kW	–	–	B 230 BS 230	–		2662	1242	745	532
73 kW	–	BLP 73	–	BF 75		2990	1395	837	598
75 kW	–	–	–	BV 310		3071	1433	860	614
81 kW	–	–	–	BV 290		3317	1548	929	663
90 kW	–	–	B 300	–		5160	1720	1032	737
103 kW	–	BLP 103	–	–		4218	1968	1181	844
111 kW	–	–	B 360 BS 360	–		4546	2121	1273	909
134 kW	–	–	–	BV 470 BV 500		5488	2561	1537	1098
220 kW	–	–	–	BV 690		9010	4204	2523	1802

HEATING SOLUTIONS FOR: AGRICULTURE, CONSTRUCTION, EVENTS, WORKSHOPS & GARAGES, INDUSTRY & WAREHOUSES

AGRICULTURE



CONSTRUCTION



EVENTS



WORKSHOPS & GARAGES



INDUSTRY & WAREHOUSES



HEAT

I CHOOSE MASTER DEHUMIDIFIERS. WHY?



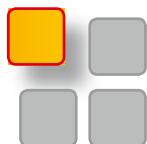
SAVE TIME

MASTER dehumidifiers speed up many renovation and construction works



REDUCE THE INVESTMENT COSTS

You can choose the capacity you need



CHOOSE THE BEST SOLUTION

MASTER dehumidifiers' offer is adjusted to many different applications such as industry, construction and also office or house



USE THE SAME DEHUMIDIFIER IN DIFFERENT PLACES

MASTER dehumidifiers are portable



STAY IN HEALTHY ENVIRONMENT

MASTER dehumidifiers prevent mould and bacteria development



REDUCE OPERATING COSTS

MASTER dehumidifiers are energy saving



PROTECT THE ENVIRONMENT

MASTER dehumidifiers use eco-friendly refrigerant



PROTECT YOUR PROPERTY

MASTER dehumidifiers prevent damages caused by moisture in buildings and keep goods that are stored there dry



SAVE MONEY

Dehumidification process is much more efficient and cheaper than traditional methods where you need to heat up and ventilate the room

INDEX



PROFESSIONAL CONDENSATION DEHUMIDIFIERS RENTAL



Highly efficient machines designated to operate in harsh work conditions. The best for industry and construction.

CAPACITY:

**27 - 80
l/24h**

BEST FOR:

- Construction
- Industry
- Warehouse
- Agriculture
- Restoration works
- Rental

PAGE

34-35

PROFESSIONAL CONDENSATION DEHUMIDIFIERS BIG SIZE



Condensation dehumidifiers with a big air flow for fast and effective dehumidification. Supplied with a powerful and quiet centrifugal fan, big air filter and three phase compressor secured by phase protection. The best for industry.

**166
l/24h**

- Construction
- Industry
- Warehouse
- Agriculture

36

PROFESSIONAL CONDENSATION DEHUMIDIFIERS COMPACT



Highly efficient condensation dehumidifiers with simple operation. Thanks to big wheels and ergonomic handle possibility of convenient transport. Used in different applications such as building industry and after flooding.

**30 - 46,7
l/24h**

- Construction
- Industry
- Warehouse
- Agriculture
- Restoration works
- Rental

37

PROFESSIONAL CONDENSATION DEHUMIDIFIERS WHITE



Mobile machines that are used in all types of rooms. Application of this type of condensation dehumidifiers will speed up a lot of finishing and redecoration works.

**26 - 72
l/24h**

- Agriculture
- Restoration works
- Public spaces
- House

38

CONDENSATION DEHUMIDIFIERS HOUSE & OFFICE



They remove humidity from rooms, prevent mould and bacteria development. An active filter prevents unpleasant odours. Air dehumidifiers are widely used in apartments, garages, cellars, libraries, drying rooms, bathrooms, and others.

**10 - 45
l/24h**

- Agriculture
- Restoration works
- Public spaces
- House

39

ADSORPTIVE DEHUMIDIFIERS PROFESSIONAL HOUSE & OFFICE



A compressor-free dehumidifier which operates without refrigerant. It has almost consistent rate of water extraction at all temperatures and is more efficient than compressor based dehumidifiers when used at low temperatures below 5°C.

**9 - 35
l/24h**

- Industry
- Agriculture
- Restoration works
- Public spaces
- House

40

CHART

How to choose the best dehumidifier for your needs.

41

DRY

SOLUTIONS FOR: CONSTRUCTION, PRODUCTION AND LOGISTIC, AGRICULTURE

APPLICATION

CONSTRUCTION

MOISTURE
REMOVAL
IN NEW HOUSES



DRYING DURING
CONSTRUCTION



WATER
REMOVAL
AFTER PAINTING



RENTAL



BIG SIZE



COMPACT



WHITE



HOUSE
& OFFICE



ADSORPTIVE

PRODUCTION & LOGISTIC

PREVENTING
MOULD GROWTH
IN WAREHOUSES



KEEPING
HUMIDITY LEVEL
DURING
TECHNOLOGICAL
PROCESSES



PREVENTING
CONDENSATION
AND CORROSION



AGRICULTURE

DRYING
LIVESTOCK
FACILITIES
AFTER CLEANING



STORAGE
FACILITIES
DESICCATION



SOLUTIONS FOR: RESTORATION WORKS, PUBLIC SPACES, HOUSES

APPLICATION

RESTORATION WORKS

WATER DAMAGE RESTORATION	
DRYING FLOODED PREMISES	
DRYING AFTER FIRE FIGHTING INTERVENTION	



●	●	●	
●	●	●	●
●	●		

PUBLIC SPACES

DRYING SHOPS, OFFICES	
DECREASE HUMIDITY IN CLOAKROOMS	
KEEPING HUMIDITY LEVEL IN LIBRARIES, MUSEUMS, ARCHIVES	
PROTECTING ELECTRONIC EQUIPMENT FROM HUMIDITY	

●	●	
●	●	●
●	●	
●	●	

HOUSES

DRYING GARAGES, CELLARS	
DRYING IN LAUNDRIES	

●	●	●
●	●	●

DRY

PROFESSIONAL CONDENSATION DEHUMIDIFIERS RENTAL



**DHP 45
DHP 65**



PATENTED



- ▶ Easy to open for cleaning
- ▶ Can be cleaned with water jet
- ▶ Stackable
- ▶ Possibility to have, at the same time, on board water pump and on board water tank
- ▶ On board humidistat
- ▶ Room humidistat socket
- ▶ Heavy duty, rotomoulded casing
- ▶ High efficiency
- ▶ Hour counter
- ▶ Large water tank with automatic shut-off when full
- ▶ Possibility of continuous operation (24 h/day)
- ▶ Possibility to connect a hose to remove condensed water
- ▶ Tank full indicator
- ▶ Air filter
- ▶ Automatic fast defrosting by hot gases
- ▶ Restarts automatically after a power failure
- ▶ Large wheels and handle
- ▶ Built-in hygrostat



Hour counter



On board humidity control

OPTIONAL ACCESSORIES:



Water pump
Max. forcing height - 4m
4140.029

SPECIFICATIONS		DHP 45	DHP 65
Capacity (30°C/80% RH)	l/24h	46	56
For rooms of approx.	m ³	167	167
Air displacement	m ³ /h	500	500
Operating range:			
temperature	°C	3-35	3-35
humidity	%	38-99	38-99
Refrigerant		R410A	R410A
Power consumption	W	660	780
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Noise	dB(A)	53	53
Compressor		rotary	rotary
Tank capacity	l	10,5	10,5
Packaging dimension (l x w x h)	mm	730 x 580 x 835	730 x 580 x 835
Net/gross weight	kg	42/47	45/50
Pallet	pcs	4	4
Dual voltage		available	available



Heavy duty, rotomoulded casing



Easy to open for cleaning

Stackable

PROFESSIONAL CONDENSATION DEHUMIDIFIERS

RENTAL



DH 26



DH 44
DH 62
DH 92



- ▶ Long lasting steel casing
- ▶ High efficiency
- ▶ Hour counter
- ▶ Large water tank with automatic shut-off when full
- ▶ Possibility of continuous operation (24 h/day)
- ▶ Possibility to connect a hose to remove condensed water
- ▶ Tank full indicator
- ▶ Air filter
- ▶ Automatic fast defrosting by hot gases
- ▶ Restarts automatically after a power failure
- ▶ Large wheels and handle
- ▶ Built-in hygostat



Wide spaces between evaporator tubes prevent clogging.



Compact foam air filter enables work in very dusty spaces.



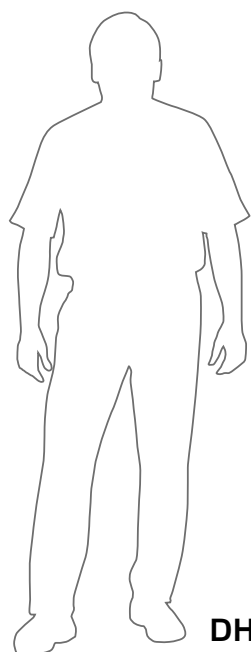
Manual control resistant to hard condition.

DRY

SPECIFICATIONS		DH 26	DH 44	DH 62	DH 92
Capacity (30°C/80% RH)	l/24h	27	41	52	80
For rooms of approx.	m ³	115	160	160	330
Air displacement	m ³ /h	350	480	480	1000
Operating range:					
temperature	°C	0,5-35	3-35	3-35	3-35
humidity	%	35-99	35-99	35-99	35-99
Refrigerant		R410A	R410A	R410A	R410A
Power consumption	W	620	780	990	1.600
Power supply	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50
Noise	dB(A)	46	53	53	50
Compressor		rotary	rotary	rotary	rotary
Tank capacity	l	8	11	11	11
Packaging dimension (l x w x h)	mm	430 x 400 x 730	590 x 580 x 830	590 x 580 x 850	590 x 580 x 1020
Net/gross weight	kg	30/33	43/47	47/51	66/70
Pallet	pcs	8	4	4	2
Dual voltage		no	available	available	no

PROFESSIONAL CONDENSATION DEHUMIDIFIERS

BIG SIZE



DH 7160



- ▼ Big air flow for fast and effective dehumidification
- ▼ Robust metal frame and housing
- ▼ Folding handles and wheels
- ▼ Wheel foot breaks
- ▼ Powerful and quiet centrifugal fan
- ▼ Continuous removal of condensed water (no tank)
- ▼ Big air filter easy to access
- ▼ Three phase compressor secured by phase protection
- ▼ Automatic defrosting

Electronic control panel:

- ▼ Can be set for continuous operation or controlled by built-in electronic humidistat
- ▼ Memory settings possible

OPTIONAL ACCESSORIES:



Extension cord

DH 7160 - 5m - **4511.031**

DH 7160 - 10m - **4511.032**

SPECIFICATIONS		DH 7160
Capacity (30°C/80% RH)	l/24h	166
For rooms of approx.	m ³	560
Air displacement	m ³ /h	1.700
Operating range: temperature	°C	5-32
humidity	%	30-90
Refrigerant		R407C
Power consumption	W	2.820
Power supply	V	3N 380-400
Frequency	Hz	50
Noise	dB(A)	70
Compressor		rotary
Tank capacity	l	no tank
Packaging dimension (l x w x h)	mm	640 x 465 x 1700
Net/gross weight	kg	102/110
Pallet	pcs	1



Wheel foot breaks



**Folding handles
and wheels**



Air filter

PROFESSIONAL CONDENSATION DEHUMIDIFIERS COMPACT



DH 732



DH 752



- ▼ Automatic fast defrosting by hot gases
- ▼ High efficiency
- ▼ Durable casing
- ▼ Simple operation
- ▼ Built-in hygostat
- ▼ Possibility of continuous operation (24 h/day)
- ▼ Water tank with automatic shut-off when full
- ▼ Possibility to connect a hose to remove condensed water
- ▼ Hour counter
- ▼ Air filter
- ▼ DH 732 are stackable



OPTIONAL ACCESSORIES:



Water pump for DH 752
Max. forcing height - 4m
4512.409

SPECIFICATIONS		DH 732	DH 752
Capacity (30°C/80% RH)	l/24h	30	46,7
For rooms of approx.	m ³	65	117
Air displacement	m ³ /h	160	350
Operating range:			
temperature	°C	5-32	5-35
humidity	%	35-90	20-90
Refrigerant		R410A	R407C
Power consumption	W	680	900
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Noise	dB(A)	42	52
Compressor		rotary	rotary
Tank capacity	l	6,5	5,7
Packaging dimension (l x w x h)	mm	402 x 387 x 592	610 x 405 x 660
Net/gross weight	kg	19,5/21	30/36
Pallet	pcs	18	12

PROFESSIONAL CONDENSATION DEHUMIDIFIERS

WHITE



DH 721



DH 731



DH 772

- ▼ White color
- ▼ Automatic fast defrosting by hot gases (DH 772)
- ▼ High efficiency
- ▼ Durable casing
- ▼ Simple operation
- ▼ Built-in hygrostat
- ▼ Possibility of continuous operation (24 h/day)
- ▼ Water tank with automatic shut-off when full
- ▼ Possibility to connect a hose to remove condensed water
- ▼ Hour counter (DH 772)
- ▼ Air filter

OPTIONAL ACCESSORIES:



Water pump for DH 772
Max. forcing height - 4m
4512.409

SPECIFICATIONS		DH 721	DH 731	DH 772
Capacity (30°C/80% RH)	l/24h	26	30	72
For rooms of approx.	m ³	65	65	283
Air displacement	m ³ /h	240	160	850
Operating range:				
temperature	°C	5-35	5-35	5-32
humidity	%	35-90	35-90	35-90
Refrigerant		R134a	R410A	R407C
Power consumption	W	490	680	1790
Power supply	V	220-240	220-240	220-240
Frequency	Hz	50	50	50
Noise	dB(A)	42	42	60
Compressor		piston	rotary	rotary
Tank capacity	l	4,7	6,5	15
Packaging dimension (l x w x h)	mm	380 x 350 x 640	402 x 387 x 572	730 x 530 x 1170
Net/gross weight	kg	19/21	19,5/21	59/64
Pallet	pcs	18	18	2

CONDENSATION DEHUMIDIFIERS

HOUSE & OFFICE



DH 711



DH 720



DH 745



- ▼ Attractive design
- ▼ Compact, plastic casing
- ▼ Light, easy to transport
- ▼ Quiet operation
- ▼ Simple controls
- ▼ Tank full indicator (except DH 745)
- ▼ Built-in hygrostat
- ▼ Active carbon filter absorbing unpleasant odour
- ▼ Electronic panel control (except DH 711)
- ▼ DH 720 is equipped with a UV lamp killing all bacteria and germs

DRY

SPECIFICATIONS		DH 711	DH 720	DH 745
Capacity (30°C/80% RH)	l/24h	10	20	45
For rooms of approx.	m ³	40	50	100
Air displacement	m ³ /h	130	150	300
Operating range:				
temperature	°C	5-35	5-32	5-35
humidity	%	35-90	35-95	35-90
Refrigerant		R134a	R134a	R410A
Power consumption	W	250	390	830
Power supply	V	230-240	220-240	220-240
Frequency	Hz	50	50	50
Noise	dB(A)	42	48	46
Compressor		piston	rotary	rotary
Tank capacity	l	2,5	5	4
Packaging dimension (l x w x h)	mm	380 x 310 x 550	336 x 210 x 569	580 x 290 x 560
Net/gross weight	kg	12,5/16	11/12	18,5/20
Pallet	pcs	24	27	18

ADSORPTIVE DEHUMIDIFIER

PROFESSIONAL

HOUSE & OFFICE



PROFESSIONAL
DHA 140



PROFESSIONAL
DHA 250
DHA 360



HOUSE & OFFICE
DHA 10



PROFESSIONAL: DHA 140, DHA 250, DHA 360

- ▼ The rotor is coated with hygroscopic substance (silica gel)
- ▼ Wide range of operation
- ▼ Possibility to dry air in sub-zero temperatures
- ▼ Ability to be used in various, complex technological processes
- ▼ Necessary removal of humid air outside (no need of water tank)
- ▼ Casing made of stainless steel
- ▼ Mobile machines, easy to operate

HOUSE & OFFICE: DHA 10

- ▼ It heats and it dehumidifies at the same time
- ▼ High efficiency even at 1°C
- ▼ Works efficiently in low temperatures
- ▼ Water full tank indicator
- ▼ Clothes drying program
- ▼ Easy to operate
- ▼ Clear control panel
- ▼ Light and easy in transport
- ▼ Environmentally friendly thanks to lack of refrigerant
- ▼ No frost, 100% efficiency even at low temperature
- ▼ No compressor
- ▼ 2 speed fan
- ▼ Active carbon filter
- ▼ Water tank included

SPECIFICATIONS		DHA 140	DHA 250	DHA 360	DHA 10
Capacity (30°C/80% RH)	l/24h	11	25	35	9
For rooms of approx.	m ³	40	96	133	65
Air displacement	m ³ /h	120	290	400	200
Operating range:					
temperature	°C	-20 - +40	-20 - +40	-20 - +40	1-35
humidity	%	30-100	30-100	30-100	35-90
Refrigerant		-	-	-	-
Power consumption	W	780	1.630	1.970	780
Power supply	V	230	230	230	220-240
Frequency	Hz	50-60	50-60	50-60	50
Noise	dB(A)	58	64	64	50
Compressor		no compressor	no compressor	no compressor	no compressor
Tank capacity	l	no tank	no tank	no tank	3,5
Packaging dimension (l x w x h)	mm	420 x 330 x 360	520 x 370 x 400	560 x 460 x 450	510 x 250 x 580
Net/gross weight	kg	12/14,3	19/20,5	28/30	8,5/9,5
Pallet	pcs	18	12	6	18

HOW TO CHOOSE YOUR DEHUMIDIFIER

Dehumidifiers can be used in a large number of applications, but the dehumidifier has to have appropriate power to fulfill its purpose. Read about ways to select the right dehumidifier and use the efficiency calculator we developed for you.

Formula for calculating recommended air displacement of dehumidifier:

$$V \times 3 = [\text{m}^3/\text{h}]$$

(length x width x height) x 3 = air displacement $[\text{m}^3/\text{h}]$

Example:

Building:
Width: 4 m
Height: 4 m
Length: 5 m



$$V = 4 \times 4 \times 5 = 80 \text{ m}^3/\text{h}$$

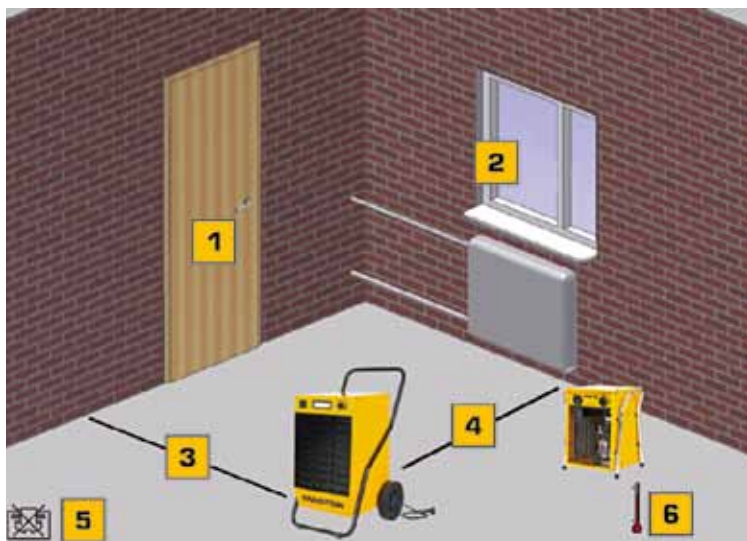
Recommended dehumidifier's air displacement = $80 \times 3 = 240 \text{ m}^3/\text{h}$

The smallest dehumidifier that you can use in that type of a room is DH 721 with air displacement of $240 \text{ m}^3/\text{h}$.

By choosing the bigger capacity dehumidifier, you can shorten the drying process.

HOW TO IMPROVE DEHUMIDIFICATION PROCESS

- ▼ Close windows and doors
- ▼ Place the machine in the middle of the room
- ▼ Keep dehumidifier away from heat sources
- ▼ Store and transport machines in the upright position is recommended
- ▼ The efficiency of the dehumidifier can be increased with an electric heater or an infrared heater working in the same room
- ▼ The efficiency of the dehumidifier can be increased with a blower working in the same room



- 1 – closed doors
- 2 – closed windows
- 3 – keep distance from the walls
- 4 – keep distance from heating appliances
- 5 – do not cover
- 6 – keep temperature range

I CHOOSE MASTER COOLERS. WHY?



USE THE SAME COOLER IN DIFFERENT PLACES

MASTER coolers are portable



IMPROVE THE MICROCLIMATE

MASTER coolers keep good working conditions



CLEAN THE AIR

MASTER coolers help to renovate and to clean the air



PROTECT THE ENVIRONMENT

MASTER coolers use air and water to cool. They do not require refrigerant gases.



USE WITH PLEASURE

MASTER coolers are easy to maintain



WORK IN HEALTHY CONDITIONS

MASTER coolers keep temperature and humidity on a comfortable level



MASTER BIO COOLERS HAVE NEVER CAUSED LEGIONELLA DISEASE



DOWNLOAD
THE ARTICLE

INDEX



PORTABLE BIO COOLERS



Master Bio Coolers cool the air using a simple natural process: the evaporating water decreases the temperature of the air. A pump takes the water from a tank and wets a wide filter of natural cellulose. A powerful ventilator aspirates air through the filter. The water evaporates from the filter and decreases the temperature of the air of several degrees. The fresh and clean air flows into the ambient, and cools it.

AIR
DISPLACEMENT:

**up to 20 000
m³/h**

BEST FOR:

■ Construction
■ Industry
■ Warehouse
■ Agriculture
■ Restaurants
■ Rental

PAGE

46-49

STATIONARY BIO COOLERS



An energy saving and environmentally friendly evaporative coolers for climate control of large facilities. It creates a comfortable indoor climate with optimal combination of temperature and humidity.

**up to 18 000
m³/h**

■ Industry
■ Warehouse
■ Agriculture
■ Restaurants

50-51

DESTRATIFIER -VENTILATORS



The most powerful, heavy duty ceiling fans which working up to 14 meters. Thanks to the aerodynamic shape moves big volumes of air.

**up to 69 000
m³/h**

■ Industry
■ Warehouse
■ Agriculture

52

PROFESSIONAL BLOWERS AND AIR CIRCULATORS



Mobile blowers support drying, heating and cooling equipment. Such devices can be used in rooms that need improved ventilation and air circulation, as well as help in drying moist areas.

**up to 7 800
m³/h**

■ Industry
■ Warehouse
■ Agriculture
■ Restoration works
■ Rental

53

PROFESSIONAL VENTILATORS



Wide range of fans that support heating and cooling equipment. Such devices can be used to increase ventilation and air circulation in the room.

**up to 10 200
m³/h**

■ Construction
■ Industry
■ Warehouse
■ Agriculture
■ Restoration works
■ Rental

53-55

APPLICATIONS:

				
		BIO COOLERS	BLOWERS AND AIR CIRCULATORS	VENTILATORS
WORKSHOPS		●	●	●
WAREHOUSES		●	●	●
RESTAURANTS		●		●
COMMERCIAL KITCHENS		●	●	
LAUNDRIES		●	●	
GREENHOUSES		●	●	●
FARMS		●	●	●

MASTER BIO COOLERS

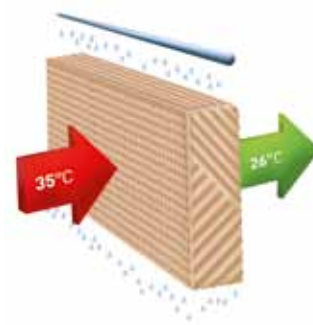
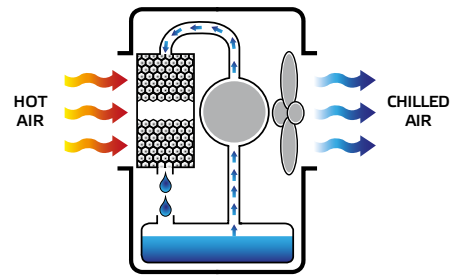
MASTER Bio Coolers cool the air using a simple natural process: the evaporating water decreases the temperature of the air.

A pump takes the water from a tank and wets a wide filter of natural cellulose. A powerful ventilator aspirates air through the filter. The water evaporates from the filter and decreases the temperature of the air of several degrees.

The fresh and clean air flows into the ambient, and cools it.

MASTER evaporative bio coolers are an environmentally friendly green solution using only water and air to provide energy efficient cooling. This method uses up to 80% less energy than refrigerant air conditioning. These coolers can be used outdoors or indoor even with windows and doors left open; giving fresh filtered air perfect for a comfortable environment. MASTER are the natural choice for all your cooling requirements.

The design and operation of evaporative coolers (Master Bio Coolers) help prevent the growth and transmission of Legionnaires' disease according to the magazine of the American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE).



NATURAL



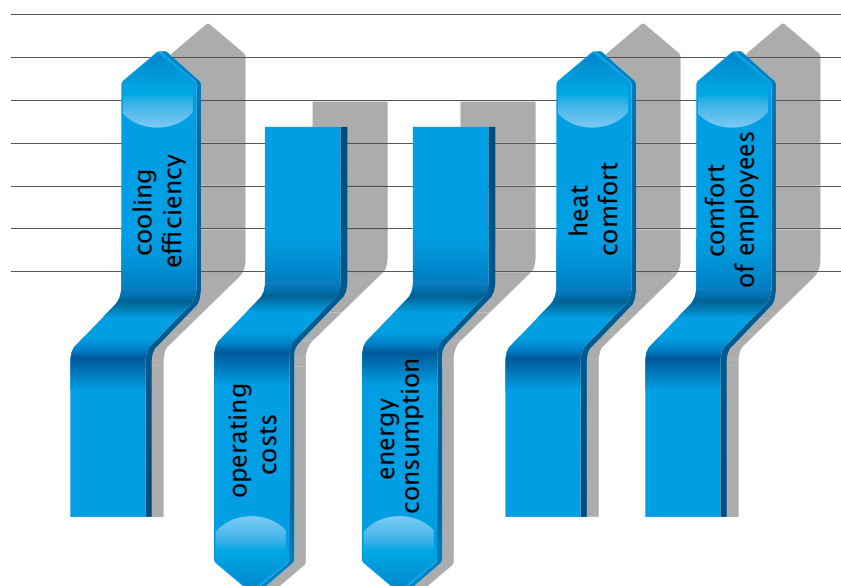
ECONOMICAL



ECOLOGICAL



UNIVERSAL



COOL



- ▼ Attractive compact design
- ▼ Low installation, running and maintenance cost
- ▼ Remote control for easy operation
- ▼ Different settings and running features
- ▼ Handles to easily carry the unit
- ▼ Wheeled units with integrated water tank for multiple applications
- ▼ Long uninterrupted running time without need of water refilling
- ▼ Low noise
- ▼ Ionizer
- ▼ Centrifugal fan
- ▼ Automatic water supply

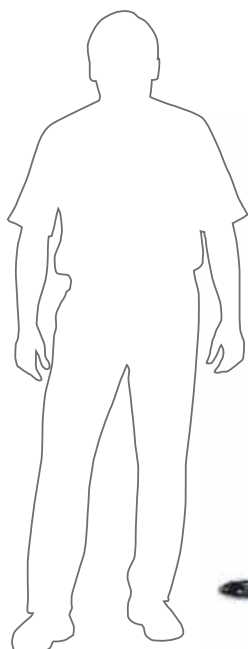
SPECIFICATIONS		CCX 2.5
Cooling pad	dm ³	20
Air displacement	m ³ /h	2.500
Maximum area	m ²	50
Power supply	V	230
Frequency	Hz	50
Power consumption	W	280
Rated current	A	1,2
Fan speed		3
Outlet versions		front
Water consumption	l/h	3 - 7
Tank capacity	l	31
Direct water connection	inches	1/2"
Tank level control		yes
Noise	dB(A)	67
Packaging dimension (l x w x h)	mm	440 x 620 x 1170
Weight (without/with water)	kg	23/54



PORTABLE BIO COOLERS



- ▼ Easy to move on wheels
- ▼ Flaps swing automatically
- ▼ No installation required
- ▼ Eco friendly: no compressor, no gas, very low consumption
- ▼ It renovates and cleans the air from fumes, dust and odours
- ▼ Remote control
- ▼ Ionizer
- ▼ It can perfume the air
- ▼ Automatic water supply



BC 60

SPECIFICATIONS		BC 60
Cooling pad	dm ³	50
Air displacement	m ³ /h	6.000
Maximum area	m ²	60
Power supply	V	230
Frequency	Hz	50
Power consumption	W	280
Rated current	A	1,2
Fan speed		3
Outlet versions		front
Water consumption	l/h	7
Tank capacity	l	57
Direct water connection	inches	1/2"
Tank level control		yes
Noise	dB(A)	62
Packaging dimension (l x w x h)	mm	560 x 780 x 1380
Weight (without/with water)	kg	35/92

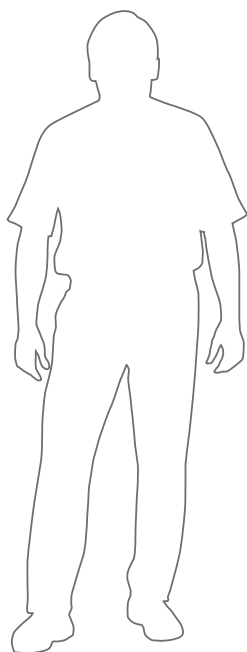


COOL

PORTABLE BIO COOLERS



- ▼ Industrial applications
- ▼ Quiet running
- ▼ Adjustable speed
- ▼ Automatic swing function as a standard
- ▼ Time setting function
- ▼ Large water tank for longer operating hours
- ▼ Large wheels and brake allow easy movement
- ▼ No need for compressed air
- ▼ No installation, no duct work required
- ▼ Easy to use, easy to clean
- ▼ Corrosion resistant plastic casing
- ▼ Easy to maintain
- ▼ Automatic water supply
- ▼ Remote control



BC 180

SPECIFICATIONS		BC 180
Cooling pad	dm ³	180
Air displacement	m ³ /h	15.000
Maximum area	m ²	150
Power supply	V	220-240
Frequency	Hz	50
Power consumption	W	750
Rated current	A	4,5
Water consumption	l/h	12-18
Tank capacity	l	100
Direct water connection	inches	1/2"
Tank level control		yes
Packaging dimension (l x w x h)	mm	1120 x 680 x 1510
Net/gross weight	kg	58/68



Air filter

PORTABLE BIO COOLERS



- ▼ Industrial applications
- ▼ Quiet running
- ▼ Adjustable speed
- ▼ Automatic swing function as a standard
- ▼ Time setting function
- ▼ Large water tank for longer operating hours
- ▼ Large wheels and brake allow easy movement
- ▼ No need for compressed air
- ▼ No installation, no duct work required
- ▼ Easy to use, easy to clean
- ▼ Corrosion resistant plastic casing
- ▼ Easy to maintain
- ▼ Automatic water supply
- ▼ Remote control



BC 340

SPECIFICATIONS		BC 340
Cooling pad	dm ³	340
Air displacement	m ³ /h	20.000
Maximum area	m ²	210
Power supply	V	220-240
Frequency	Hz	50
Power consumption	W	750
Rated current	A	4,5
Water consumption	l/h	15-20
Tank capacity	l	200
Direct water connection	inches	1/2"
Tank level control		yes
Packaging dimension (l x w x h)	mm	1600 x 780 x 1800
Net/gross weight	kg	105/115



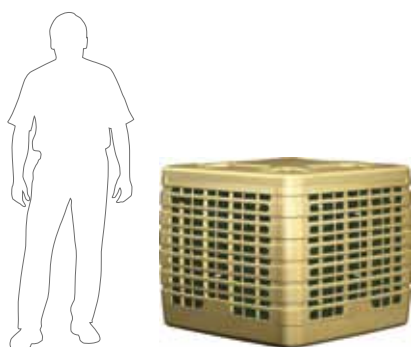
WATER FLOW SETTING

AUTOMATIC WATER SUPPLY

COOL

STATIONARY BIO COOLERS

AXIAL FAN



BCF 230AB

↓
BOTTOM (DOWN) EXIT



BCF 230AL

→
LATERAL EXIT



BCF 230AU

↑
UPPER EXIT



- ▼ Axial fan
- ▼ 87% efficiency
- ▼ Made of robust UV resistant plastic
- ▼ LCD remote control with 15 m cable
- ▼ Infrared remote control
- ▼ 20 speed fan, adjustable
- ▼ Long life cooling pads
- ▼ Automatic: self-cleaning, self-drain, self dry when the cooler is inactive
- ▼ Prevention system against Legionella, algae, fungi, etc.

INCLUDED:



**Remote LCD control
with 15 m cable
Infrared remote control**

SPECIFICATIONS		BCF 230AB	BCF 230AL	BCF 230AU
Cooling pad	dm ³	220	170	220
Cooling pad	cm	79 x 70 x 10	79 x 70 x 10	79 x 70 x 10
Air displacement	m ³ /h	18.000	18.000	18.000
Max. air pressure	Pa	200	200	200
Max. area	m ²	180	180	180
Fan type		axial	axial	axial
Fan speed		20	20	20
Power consumption	kW	1,1	1,1	1,1
Power supply	V	230	230	230
Frequency	Hz	50	50	50
Air exit	mm	bottom (down)	lateral	upper
Tank capacity	l	40	40	40
Water consumption	l/h	10-15	10-15	10-15
Noise	dB(A)	67	67	67
Water input/drain	inch	1,2" and 1"	1,2" and 1"	1,2" and 1"
Dimensions air exit	cm	65 x 65	65 x 65	65 x 65
Dimension air exit (diameter)	cm	61	61	61
Packaging dimension (l x w x h)	mm	1100 x 1100 x 950	1100 x 1100 x 950	1100 x 1100 x 950
Net weight	kg	76	76	76

STATIONARY BIO COOLERS

RADIAL FAN



BCF 230RB



BOTTOM (DOWN) EXIT



- ▶ Radial fan (centrifugal) for better air pressure
- ▶ 87% efficiency
- ▶ Made of robust UV resistant plastic
- ▶ LCD remote control with 15 m cable
- ▶ Infrared remote control
- ▶ 20 speed fan, adjustable
- ▶ Long life cooling pads
- ▶ Automatic: self-cleaning, self-drain, self dry when the cooler is inactive
- ▶ Prevention system against Legionella, algae, fungi, etc.

INCLUDED:



**Remote LCD control
with 15 m cable
Infrared remote control**

SPECIFICATIONS		BCF 230RB
Cooling pad	dm ³	220
Cooling pad	cm	79 x 70 x 10
Air displacement	m ³ /h	18.000
Max. air pressure	Pa	300
Max. area	m ²	180
Fan type		radial
Fan speed		20
Power consumption	kW	1,5
Power supply	V	220-240
Frequency	Hz	50
Air exit	mm	bottom (down)
Tank capacity	l	40
Water consumption	l/h	10-15
Noise	dB(A)	67
Water input/drain	inch	1,2" and 1"
Dimensions air exit	cm	65 x 65
Dimension air exit (diameter)	cm	61
Packaging dimension (l x w x h)	mm	1100 x 1100 x 950
Net weight	kg	76



Radial fan

COOL

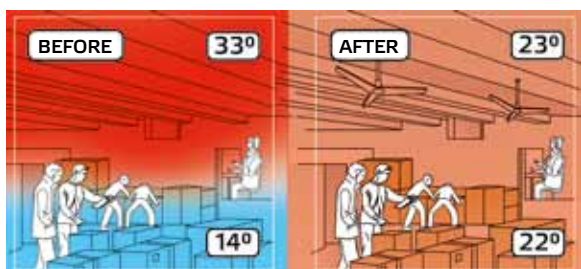
DESTRATIFIER-VENTILATORS



E36202
E48202
E56002
E60002



- ▶ The most powerful ceiling fans available on the market
- ▶ Working up to 14 meters
- ▶ Heavy duty construction for many years of non stop work
- ▶ The aerodynamic shape moves big volumes of air
- ▶ Balanced motor and blades for vibration-free operation
- ▶ The motor is protected from thermal overload being equipped with thermal protection and automatic reset
- ▶ Can work in harsh professional conditions



WINTER DESTRATIFICATION

The hot air flows upstream. The Master ceiling fan let the heat flow back to the floor. The resulting energy saving is about 30%

SUMMER VENTILATION

The Master ceiling fan creates an air flow which helps the skin evaporation, with an improvement of about 4°C on the perceived temperature.

The fan supports the air-conditioning allowing to feel 23°C even when the thermostat shows 27°.

It is perfect for humid environments and eliminates mold and dust.

OPTIONAL ACCESSORIES:



Speed regulator for
2 fans RVS 2,5A
5 fans RVS 5A
10 fans RVS 10A

SPECIFICATIONS		E36202	E48202	E56002	E60002
Air displacement	m ³ /h	21 000	35 700	44 200	69 000
Maximum area in Destratification	m ²	140	180	350	470
Turning diameter	mm/inch	900/36"	1200/48"	1400/56"	1500/60"
Fan type	-	Axial-Blades	Axial-Blades	Axial-Blades	Axial-Blades
Colour/ Number of blades	-	White/3	White/3	White/3	White/3
Power supply	V	230	230	230	230
Frequency	Hz	50/60	50/60	50/60	50/60
Power consumption	W	71	105	110	120
Rated current	A	0,31	0,52	0,55	0,81
Max. Speed	rpm	325	300	290	300
Working hight until	m	4	5	12	14
Packaging dimension (l x w x h)	mm	660 x 250 x250	660 x 250 x 250	660 x 250 x 250	710 x 280 x 280
Net/ Gross weight	kg	7,7/9	9,3/11	9,8/12	12,8/ 14,5
Pallet	pcs	45	45	45	32



DF 20



DF 30



- ▼ Adjustable air stream
- ▼ 360° rotation
- ▼ DF 20P has vertical and horizontal 360° rotation
- ▼ DF 20P might be hang on walls or ceilings
- ▼ Powder coated casing
- ▼ Each model has different types of air distribution

SPECIFICATIONS		DF 20	DF 30
Air displacement	m ³ /h	6.600	10.200
Fan type		axial	axial
Outlet diameter	mm	500	750
Fan speed		3	2
Power consumption	W	98/100/107	280/315
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Protection		IP20	IP20
Packaging dimension (l x w x h)	mm	700 x 210 x 685	935 x 365 x 955
Net/gross weight	kg	9/11,5	32/36
Pallet	pcs	18	6

PROFESSIONAL BLOWERS AND AIR CIRCULATORS

METAL

BLM 4800



- ▾ Robust and durable construction
- ▾ Metal casing
- ▾ Easy to use and transport
- ▾ High air flow
- ▾ Motor with thermal protection
- ▾ Possibility to connect flexible tubes on inlet and outlet side

BLM 6800



OPTIONAL ACCESSORIES:



Flexible 7,6-meter tubes
 BLM 4800 - Ø 250 mm - **4515.559**
 BLM 6800 - Ø 340 mm - **4515.560**



Dust bag
 BLM 4800 - **4515.540**
 BLM 6800 - **4515.541**

SPECIFICATIONS		BLM 4800	BLM 6800
Air displacement	m ³ /h	1.500	3.900
Max. air pressure	Pa	245	373
Fan type		axial	axial
Fan speed		1	1
Power consumption	W	230	350
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Outlet diameter	mm	227	317
Inlet diameter	mm	250	340
Air current		blow out / suction	blow out / suction
Protection		IP22	IP22
Packaging dimension (l x w x h)	mm	265 x 335 x 350	365 x 405 x 340
Net / gross weight	kg	6,4/8	9,5/10,5
Pallet	pcs	40	24

PROFESSIONAL BLOWERS AND AIR CIRCULATORS

PLASTIC

BL 4800
BL 6800



BL 8800



CD 5000



BL 4800, BL 6800, BL 8800:

- ▣ Robust and durable construction
- ▣ Easy to use and transport
- ▣ High air flow
- ▣ Possibility to connect flexible ducts

CD 5000:

- ▣ Flat diffuser
- ▣ Robust and durable construction
- ▣ Easy to use and transport
- ▣ Equipped with an additional socket for series connection

OPTIONAL ACCESSORIES:



Flexible 7,6-meter tubes

BL 4800 - Ø 205 mm - **4160.251**
BL 6800 - Ø 305 mm - **4031.406**
BL 8800 - Ø 407 mm - **4031.402**



Dust bag

BL 4800 - **4515.540**
BL 6800 - **4515.541**
BL 8800 - **4515.542**

SPECIFICATIONS		BL 4800	BL 6800	BL 8800	CD 5000
Air displacement	m ³ /h	750	3.900	7.800	2.640
Max. air pressure	Pa	245	388	496	500
Fan type		axial	axial	axial	radial
Fan speed		1	1	1	3
Power consumption	W	250	750	750	384/452/550
Power supply	V	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50
Outlet diameter	mm	200	300	400	120 x 420
Air current		blow out / suction	blow out / suction	blow out / suction	blow out
Protection		IP24	IP24	IP24	IP24
Packaging dimension (l x w x h)	mm	700 x 210 x 685	510 x 400 x 525	560 x 550 x 600	520 x 430 x 500
Net / gross weight	kg	7,2/7,7	14,7/15,9	19/20	14,2/15,5
Pallet	pcs	40	16	6	16

MASTER®

HEATERS DEHUMIDIFIERS COOLERS



WEBSITE
MASTER GROUP



VIDEO
MASTER GROUP

MCS ITALY: Via Gardesana 11, 37010 Pastrengo (VR), ITALY, (0039) 045 6770533, info@mcsitaly.it

MCS CENTRAL EUROPE: ul. Magazynowa 5a, 62-023 Gądk, POLAND, (0048) 61 654 4000, office@mcs-ce.pl

MCS RUSSIA: Transportnaya 22 vl 2, 142802 Stupino, RUSSIA, tel./fax (007) 495 642 444 8, info@mcsrus.ru

MCS CHINA: Unit A1, No. 1515 Jinshao Rd, Baoshang Industrial Zone, SHANGHAI, 200949, (0086) 21 - 61486668, office@mcs-china.cn

EURITECSA: C/Calabozos, 6 Polígono Industrial, 28108 Alcobendas (Madrid), SPAIN, (0034) 916614500, euritecsa@euritecsa.es

For further information, please contact your distributor:

Data, descriptions and pictures are for indication only and absolutely not binding.
The Company reserves the right to modify or improve them without prior notice.

We are a member of



EUROPEAN
RENTAL
ASSOCIATION

