



TO HEAT



TO COOL



TO DRY



TO VENTILATE

MASTER CLIMATE SOLUTIONS
IS A WORLD LEADER IN THE PRODUCTION
OF PORTABLE EQUIPMENTS
TO HEAT, COOL, DRY AND VENTILATE



FACTORY MASTER CLIMATE SOLUTIONS, VERONA, ITALY



- ▼ MASTER WAS BORN ON SEP 15TH 1954 IN DAYTON, USA
- ▼ IN 1963 MASTER CAME TO EUROPE FOR THE FIRST TIME
- ▼ IN 1997 MASTER FOUNDED THE FACTORY IN POZNAŃ, POLAND
- ▼ IN 1999 MASTER FOUNDED THE FACTORY IN VERONA, ITALY
- ▼ TODAY MASTER MAIN FACTORY IS IN VERONA, ITALY
- ▼ 95% OF MASTER PRODUCTION IS EXPORTED



youtube.com/c/
masterheaters

Here the Youtube video to visit
our main factory in Verona, Italy



IMAGES: FACTORY, VERONA, ITALY

WHY I CHOOSE MASTER PORTABLE HEATERS?



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



3 YEARS WARRANTY

Master offers 3 years of warranty on all products. Who else does it? Please, read warranty terms online

INDEX



POWER
RANGE:

BEST FOR:

PAGE

ACCESSORIES



The guide to Master mobile heaters accessories. These make the work with Master heaters more comfortable.

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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

14-15

INDIRECT OIL HEATERS



Master indirect oil heaters are highly efficient and 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 flex hoses to distribute the warm air.

21-85 kW

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

16-17

INDIRECT OIL WITH SEPARATE BURNER



Master indirect oil heaters with separate burner provide a large volume of 100% clean and dry warm air. These heaters are equipped with a fuel tank and are very easy to be moved or transported. These heaters have the possibility to adjust combustion in case of relevant change of altitude. They can be used with one or two flex tubes to spread the warm air.

110-150 kW

■ Agriculture
■ Construction
■ Industry
■ Warehouse

18-21

INDIRECT OIL HEATERS AIR-BUS WITH SEPARATE BURNER



Indirect air flow heaters AIR-BUS have a wide heat exchanger in stainless steel pipes and a separate Riello burner. They offer high efficiency and the possibility of connecting up to 4 flex tubes per unit.

75-225 kW

■ Agriculture
■ Construction
■ Industry
■ Warehouse

22-25

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

26-27

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

28-32

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

33-37

STATIONARY HEATERS



Master heaters are designed for indoor and outdoor. 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.

29-75 kW

■ Agriculture
■ Industry
■ Warehouse

38-39

CHART



How to choose your Master heater.

41

REMOTE CLIMATE CONTROL



The innovative system for the remote control of the climate using GSM. It monitors the function of heaters or dehumidifiers installed in a room.

42-43

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

APPLICATION

CONSTRUCTION

HEATING
CONSTRUCTION
SITES



HEATING
ROADWORKS



DRYING
BUILDINGS
AND PAINT



DIRECT OIL
HEATERS

INDIRECT OIL
HEATERS

ELECTRIC FAN
HEATERS

GAS
HEATERS

INFRARED OIL
HEATERS

INFRARED
ELECTRIC
HEATERS



INDUSTRY & WAREHOUSES

SPACE
HEATING



SPOT
HEATING



WORKSHOPS & GARAGES

SPOT
HEATING



SPACE
HEATING



RESTAURANTS, FOOD WAREHOUSES & HOTELS

BUG KILLING



HEATING SOLUTIONS FOR:

AGRICULTURE, EVENTS & MILITARY, EMERGENCY

APPLICATION

AGRICULTURE

HEATING
LIVESTOCK
FACILITIES



HEATING
GREENHOUSES



HEATING
STORAGE
FACILITIES



DRYING
CROPS



DIRECT OIL
HEATERS



INDIRECT OIL
HEATERS



ELECTRIC FAN
HEATERS



GAS
HEATERS



INFRARED OIL
HEATERS



INFRARED
ELECTRIC
HEATERS

EVENTS & MILITARY

OUTDOOR
HEATING



HEATING
TENTS



EMERGENCY

SPACE
HEATING





SPOT
HEATING



ACCESSORIES







THERMOSTATS



PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Analog thermostat TH5 with cable	4150.109 4150.112	3 m 10 m	DIRECT OIL, INDIRECT OIL, AIR-BUS, BLP ET B 18, B 30, RS 30, RS 40, XL 9, XL 61, XL 91, DC 61, CF 75
	Digital thermostat THD with cable	4150.133 4150.134	5 m 10 m	DIRECT OIL, INDIRECT OIL, AIR-BUS, DC 61, BLP ET CF 75, XL 61, XL 91

FUEL SYSTEM ACCESSORIES








PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Fuel pre-heater	4100.827 4033.049		B 180, BV 77 B 230, B 360, BV 110, BV 170, BV 290, BV 400, XL 9, XL 91
	Fuel line 4m	4031.460		BV 471, BV 691, BV 500, BV 400
	Fuel scoop	4515.932		B 230, B 360, BV 110, BV 170, BV 290, BV 471, BV 691, BV 500, BV 400
	Flex pipes to connect external tank	ACC 281		BV 471, BV 691
	Quick connector to flex pipes for separate tank	4034.880 4035.232 4240.580		B 230, B 360, BV 110, BV 170, BV 290 BV 400 BV 471, BV 691
	External tanks	4240.780 4240.800	150 l 200 l	BV 471 BV 691


ACCESSORIES

EXHAUST SYSTEM ACCESSORIES




PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Stainless steel exhaust-pipe 1m	4013.260 4013.243 4013.245	Ø 120 mm Ø 150 mm Ø 200 mm	BV 77, BF 35 BV 110, BV 170, BV 290, BV 500, BF 75, BV 400 BV 471, BV 691
	Stainless steel exhaust elbow 90°	4013.261 4013.247 4013.248	Ø 120 mm Ø 150 mm Ø 200 mm	BV 77, BF 35 BV 110, BV 170, BV 290, BV 500, BF 75, BV 400 BV 471, BV 691
	Stainless steel exhaust adjustable elbow	4515.977 4515.950 4515.951	Ø 120 mm Ø 150 mm Ø 200 mm	BV 77, BF 35 BV 110, BV 170, BV 290, BV 500, BV 400, BF 75 BV 471, BV 691
	Stainless steel chimney pot	4013.262 4013.249 4013.250	Ø 120 mm Ø 150 mm Ø 200 mm	BV 77, BF 35 BV 110, BV 170, BV 290, BV 500, BF 75, BV 400 BV 471, BV 691
	Kit for chimney fixing in working and transportation position	4240.567 4240.682		BV 471 BV 691

POWER CORDS

PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Extension cord	4511.031 4511.032 4511.033 4511.034 4511.035 4511.036	16A, 5 m 16A, 10 m 32A, 5 m 32A, 10 m 63A, 5 m 63A, 10 m	B 5, B 9 B 5, B 9 B 15, B 18, B 22 B 15, B 18, B 22 B 30, RS 40 B 30, RS 40



RAIN COVERS









PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Rain cover	4514.652 4514.651 4514.650		BV 77 BV 110, BV 170 BV 290



ACCESSORIES

ADDITIONAL EQUIPMENT










PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	Trolley	4103.925 4201.159		B 35, B 70 XL 61, DC 61
	Stand	4012.321		HALL 1500
	Pneumatic wheels	4240.585 4240.684		BV 471 BV 691
	Rotating wheels kit	4240.598 4240.667		BV 471 BV 691
	Lift brackets	4034.922 4034.926		BV 110, BV 170, B 230 BV 290, B 360
	Forklift slots	4240.576 4240.681 4035.224		BV 471 BV 691 BV 400
	Uplift kit	4035.112		BV 400
	Lateral bumper kit	4240.560 4240.683		BV 471 BV 691

ACCESSORIES

AIR OUTLETS AND INLETS



PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	1-way outlet panel	4240.825	Ø 60 cm	BV 471
		4240.633	Ø 70 cm	BV 691
	2-ways outlet panel	4511.808	2 x Ø 23 cm	B 18
		4511.807	2 x Ø 31 cm	B 30
		4034.898	2 x Ø 31 cm	BV 110, BV 170
		4034.911	2 x Ø 31 cm	BV 290
		4240.235	2 x Ø 40 cm	BV 471
		4240.668	2 x Ø 50 cm	BV 691
	4-ways outlet panel	4240.553	4 x Ø 27 cm	BV 471
		4240.669	4 x Ø 32 cm	BV 691
	1-way outlet	4033.976	Ø 40 cm	BV 500, BV 400
	2-ways outlet	4034.480	Ø 31 cm	BV 500, BV 400
	Air inlet kit for recycling	4100.826	Ø 31 cm	BV 110, BV 170
		4100.825	Ø 41 cm	BV 290
		4035.068	Ø 41 cm	BV 400
		4240.709	Ø 58 cm	BV 471
		4240.748	Ø 68 cm	BV 691
	Adaptor ring	4034.929	Ø 31 cm	BV 77
		4034.890	Ø 34 cm	BV 110, BV 170
		4034.895	Ø 41 cm	BV 290
		4210.180	Ø 51 cm	RS 40

FLEX TUBES



PHOTO	ACCESSORIES	CODE	DESCRIPTION	HEATERS
	NYLON flex tubes Black Bag included	4515.364	Ø 23 cm - 7,6 m	BV 310 (4-way outlet), B 18 (2-way outlet)
		4515.360	Ø 31 cm - 7,6 m	BV 77, BV 110 (2-way outlet), BV 170 (2-way outlet), BV 290 (2-way outlet), BV 400 (2-way outlet), BV 500 (2-way outlet), BV 471 (4-way outlet), B 18 EPR (1-way outlet), B 30 EPR (2-way outlet)
		4515.367	Ø 34 cm - 7,6 m	BV 110 (1-way outlet), BV 170 (1-way outlet), BV 691 (4-way outlet)
		4515.361	Ø 41 cm - 7,6 m	BV 290 (1-way outlet), BV 400 (1-way outlet), BV 500 (1-way outlet), BV 471 (2-way outlet), B 30 EPR (1-way outlet)
		4515.366	Ø 51 cm - 7,6 m	BV 691 (2-way outlet), RS 40
		4515.362	Ø 61 cm - 7,6 m	BV 471 (1-way outlet)
		4515.365	Ø 71 cm - 7,6 m	BV 691 (1-way outlet)
	PVC flex tubes Black and yellow	4515.557	Ø 23 cm - 7,6 m	BV 310 (4-way outlet), B 18 (2-way outlet)
		4515.572	Ø 31 cm - 3 m	BV 77, BV 110 (2-way outlet), BV 170 (2-way outlet), BV 290 (2-way outlet), BV 400 (2-way outlet), BV 500 (2-way outlet), BV 471 (4-way outlet), B 18 EPR (1-way outlet), B 30 EPR (2-way outlet)
		4515.553	Ø 31 cm - 7,6 m	BV 77, BV 110 (2-way outlet), BV 170 (2-way outlet), BV 290 (2-way outlet), BV 400 (2-way outlet), BV 500 (2-way outlet), BV 471 (4-way outlet), B 18 EPR (1-way outlet), B 30 EPR (2-way outlet)
		4515.558	Ø 34 cm - 7,6 m	BV 110 (1-way outlet), BV 170 (1-way outlet), BV 691 (4-way outlet)
		4031.401	Ø 41 cm - 7,6 m	BV 290 (1-way outlet), BV 500 (1-way outlet), BV 471 (2-way outlet), B 30 EPR (1-way outlet)
		4515.552	Ø 51 cm - 7,6 m	BV 691 (2-way outlet), RS 40
		4031.038	Ø 61 cm - 7,6 m	BV 471 (1-way outlet)
	BAGS for black and yellow flex tubes	4515.592	Ø 31 cm	For tubes: 4515.553 / 4515.572
		4515.591	Ø 41 cm	For tubes: 4031.401
		4515.593	Ø 61 cm	For tubes: 4031.038
	Soft grid	4515.350	Ø 31 cm	4515.553 / 4515.572 / 4515.360
		4515.353	Ø 34 cm	4515.558 / 4515.367
		4515.351	Ø 41 cm	4031.401 / 4515.361
		4515.352	Ø 61 cm	4031.038 / 4515.362

HOW TO CHOOSE YOUR FLEX TUBE



		adaptor for flex tube	flex tube diameter	PVC black and yellow flex tube length	PVC black and yellow flex tube length	PVC bag	NYLON black with bag flex tube length
HEATER			Ø cm	3.0 m	7.6 m		7.6 m
BV 77	1 WAY	4034.929	31	4515.572	4515.553	4515.592	4515.360
BV 110	1 WAY	4034.890	34		4515.558		4515.367
	2 WAYS	4034.898	31	4515.572	4515.553	4515.592	4515.360
BV 170	1 WAY	4034.890	34		4515.558		4515.367
	2 WAYS	4034.898	31	4515.572	4515.553	4515.592	4515.360
BV 290	1 WAY	4034.895	41		4031.401	4515.591	4515.361
	2 WAYS	4034.911	31	4515.572	4515.553	4515.592	4515.360
BV 500	1 WAY	not required	41		4031.401	4515.591	4515.361
	2 WAYS	4034.480	31	4515.572	4515.553	4515.592	4515.360
BV 400	1 WAY	not required	41		4031.401	4515.591	4515.361
	2 WAYS	4034.480	31	4515.572	4515.553	4515.592	4515.360
BV 471	1 WAY	not required	61		4031.038	4515.593	4515.362
	2 WAYS	4240.235	41		4031.401	4515.591	4515.361
	4 WAYS	4240.553	31	4515.572	4515.553	4515.592	4515.360
BV 691	1 WAY	not required	71		4515.556		4515.365
	2 WAYS	4240.668	51		4515.552		4515.366
	4 WAYS	4240.669	34		4515.558		4515.367
B 18 EPR	1 WAY	not required	31	4515.572	4515.553	4515.592	4515.360
	2 WAYS	4511.808	23		4515.557		4515.364
B 30 EPR	1 WAY	not required	41		4031.401	4515.591	4515.361
	2 WAYS	4511.807	31	4515.572	4515.553	4515.592	4515.360
RS 40	1 WAY	4210.180	51		4515.552		4515.366
BL 4800	1 WAY	not required	21		4160.251		
BL 6800	1 WAY	not required	31		4031.406	4515.592	
BL 8800	1 WAY	not required	41		4031.402	4515.591	
BLM 4800	1 WAY	not required	25		4515.559		
BLM 6800	1 WAY	not required	34		4515.560		
DFX 20	1 WAY	not required	51		4031.403		

Features of NYLON black flex tubes

- ✦ NYLON
- ✦ No odour, no smoke
- ✦ Best resistance to hot air
- ✦ Very resistant to damages, longer lifetime
- ✦ Light
- ✦ Bag with comfortable handle included
- ✦ Better resistance to dirt
- ✦ Zippers at both sides – easy connection to each other
- ✦ Strap included

Features of PVC black and yellow flex tubes

- ✦ PVC
- ✦ Zippers at both sides - easy connection to each other
- ✦ Fastening strap as standard
- ✦ Lowest heat loss



Black tubes: strap and zipper

DIRECT OIL FIRED AIR 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 flow
- ▶ 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:



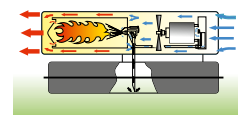
Analog thermostat
TH5 with cable
3 m - **4150.109**
10 m - **4150.112**



Digital thermostat
THD with cable
5 m - **4150.133**
10 m - **4150.134**
for CED models



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	m³/h	280	400	800	900	900/1.800
Fuel autonomy	h	16	10	16	10	23/12
Thermostat control		analog or digital	analog or digital	analog or digital	analog or digital	analog or digital
Fuel consumption	l/h	0,9	1,9	2,7	4,2	4,2/8,4
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
Product size (l x w x h)	mm	745 x 300 x 405	745 x 300 x 405	1075 x 600 x 480	1075 x 600 x 480	1240 x 670 x 640
Box size (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	optional	optional	no



DIRECT OIL FIRED AIR HEATERS

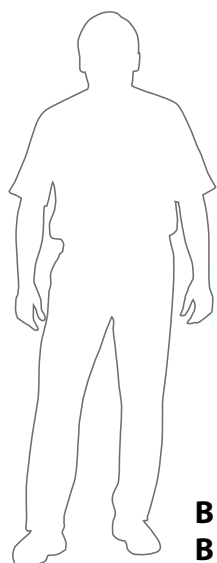
HIGH PRESSURE



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

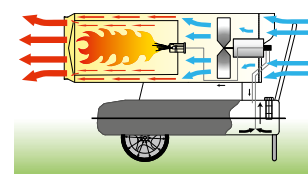


B 180



B 230
B 360

- Optional room thermostat
- Optional 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
- Snorkel
- Easy maintenance with external pump
- Diagnostic LED



OPTIONAL ACCESSORIES:



**Analog thermostat
TH5 with cable**
3 m - **4150.109**
10 m - **4150.112**



**Digital thermostat
THD with cable**
5 m - **4150.133**
10 m - **4150.134**



Fuel pre-heater
B 180 - **4100.827**
B 230, B 360
- **4033.049**



**Quick connector
for flex pipes
to connect
external tank**
B230, B 360
- **4034.880**



Lift brackets
B 230 - **4034.922**
B 360 - **4034.926**

SPECIFICATIONS		B 180	B 230	B 360
Heating power	kW	48	65	111
	Btu/h	165.000	222.000	379.000
	kcal/h	41.200	56.000	95.460
Air displacement	m³/h	1.550	3.000	3.300
Fuel autonomy	h	8	10	10
Thermostat control		analog or digital	analog or digital	analog or digital
Fuel consumption	l/h	4,5	6,2	10,6
Power supply	V	220-240	220-240	220-240
Frequency	Hz	50	50	50-60
Electric power	kW	0,3	0,8	1,06
Rated current	A	1,5	3,5	4,6
Electronic panel protection		IP44	IP44	IP44
Tank capacity	l	36	65	105
Product size (l x w x h)	mm	1165 x 380 x 550	1235 x 575 x 790	1600 x 700 x 940
Box size (l x w x h)	mm	1200 x 400 x 530	1200 x 650 x 1000	1600 x 750 x 1180
Net/gross weight	kg	30/34	57/72	84/105
Pallet		8	1	1

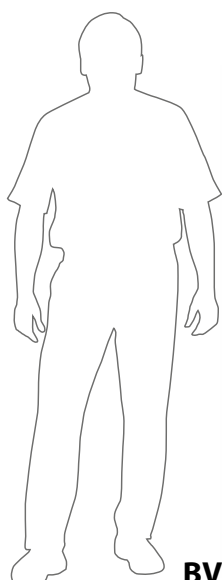


INDIRECT OIL FIRED AIR HEATERS

HIGH PRESSURE

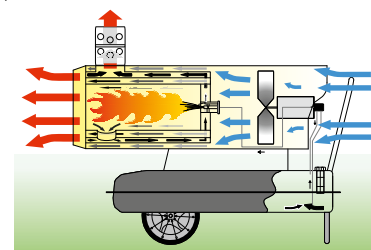


BV 77 - Ø 31 cm



BV 110 - Ø 34 cm
BV 170 - Ø 34 cm
BV 290 - Ø 41 cm

- ▼ Clean hot air
- ▼ Possible connection to a flexible tube
- ▼ Flue gas exhaust
- ▼ Heat exchanger
- ▼ Optional room thermostat
- ▼ Optional fuel pre-heater
- ▼ Overheat thermostat
- ▼ Post-ventilation
- ▼ Thermally protected motor
- ▼ Three oil filters: oil pump filter, suction filter and inlet filter
- ▼ External suction filter with transparent glass cup
- ▼ Electronic flame control with photocell
- ▼ Stainless steel combustion chamber
- ▼ Oil tank with level indicator
- ▼ Trolley included
- ▼ High quality brand fuel pump
- ▼ Fuel pump with access for easy maintenance
- ▼ Snorkel – breather for non-drip fuel tank
- ▼ Diagnostic LED



SPECIFICATIONS		BV 77	BV 110	BV 170	BV 290
Heating power	kW	21	34	49	85
	Btu/h	71.700	116.000	167.200	290.000
	kcal/h	18.100	29.200	42.100	73.100
Air displacement	m³/h	1.550	1.800	1.800	3.300
Fuel autonomy	h	19	21	14	13
Thermostat control		analog or digital	analog or digital	analog or digital	analog or digital
Fuel consumption	l/h	2,0	3,2	4,7	8,1
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
Electronic box protection		IP41	IP44	IP44	IP44
Tank capacity	l	36	65	65	105
Flue tube Ø	mm	120	150	150	150
Flex tube Ø	cm	23	34	34	40
Product size (l x w x h)	mm	1130 x 380 x 660	1235 x 575 x 1000	1350 x 575 x 1000	1600 x 700 x 1150
Box size (l x w x h)	mm	1200 x 400 x 530	1200 x 650 x 1000	1330 x 650 x 1000	1670 x 750 x 1180
Net/gross weight	kg	33/37	61/76	67/84	101/123
Pallet	pcs	8	1	1	1
Dual voltage		optional	no	optional	optional



INDIRECT OIL FIRED AIR HEATERS

HIGH PRESSURE



OPTIONAL ACCESSORIES:



Analog thermostat TH5 with cable
3 m - **4150.109**
10 m - **4150.112**



Digital thermostat THD with cable
5 m - **4150.133**
10 m - **4150.134**



Fuel pre-heater
BV 77 - **4100.827**
BV 110, BV 170, BV 290 - **4033.049**



PVC flex tubes - 1-way outlet
BV 77 - Ø 31 cm - 3 m - **4515.572**
BV 77 - Ø 31 cm - 7,6 m - **4515.553**
BV 110, BV 170 - Ø 34 cm - 7,6 m - **4515.558**



Adaptor ring
BV 77 - Ø 31 cm - **4034.929**
BV 110, BV 170 - Ø 34 cm - **4034.890**
BV 290 - Ø 41 cm - **4034.895**



Quick connector for flex pipes to connect external tank
BV 110, BV 170, BV 290 - **4034.880**

PVC flex tubes - 2-way outlet
BV 110, BV 170 - Ø 31 cm - 7,6 m - **4515.553**
BV 290 - Ø 31 cm - 3 m - **4515.572**
BV 290 - Ø 31 cm - 7,6 m - **4515.553**



2-way outlet
BV 110, BV 170 - 2 x Ø 31 cm - **4034.898**
BV 290 - 2 x Ø 31 cm - **4034.911**



Fuel scoop
BV 110, BV 170, BV 290 - **4515.932**



NYLON flex tubes with bag - 1-way outlet
BV 77 - Ø 31 cm - 7,6 m - **4515.360**
BV 110, BV 170 - Ø 34 cm - 7,6 m - **4515.367**
BV 290 - Ø 41 cm - 7,6 m - **4515.361**
Flex tubes - 2-way outlet
BV 110, BV 170, BV 290 - Ø 31 cm - 7,6 m - **4515.360**



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



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



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

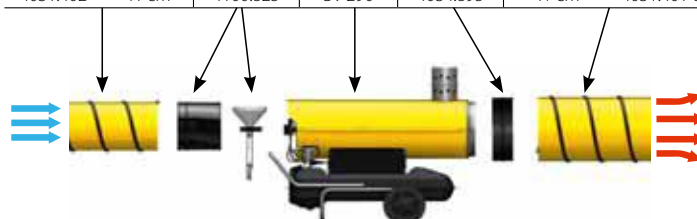


Stainless steel exhaust elbow 90°
BV 77 - Ø 120 mm - **4013.261**
BV 110, BV 170, BV 290 - Ø 150 mm - **4013.247**



Stainless steel chimney pot
BV 77 - Ø 120 mm - **4013.262**
BV 110, BV 170, BV 290 - Ø 150 mm - **4013.249**

A		B	H	C	D	
INLET FLEX TUBE	Ø INLET FLEX TUBE	INLET KIT	HEATER	ADAPTOR RING	Ø OUTLET FLEX TUBE	OUTLET FLEX TUBE
4031.406	31 cm	4100.826	BV 110	4034.890	34 cm	4515.558 or 4515.367
4031.406	31 cm	4100.826	BV 170	4034.890	34 cm	4515.558 or 4515.367
4031.402	41 cm	4100.825	BV 290	4034.895	41 cm	4031.401 or 4515.361



AIR RECYCLING



INDIRECT OIL FIRED AIR HEATERS BV 400

WITH 2 STAGE MASTER BURNER



BV 400 1-WAY OUTLET



BV 400 (AIR INLET)



- ▼ Clean hot air
- ▼ Very low noise (72 dB)
- ▼ Plug fan allows high air pressure 500 Pa
- ▼ 2 stage MASTER burner
- ▼ Air feed kit
- ▼ Rotomoulded tank
- ▼ Socket for remote thermostat
- ▼ High efficiency heat exchanger
- ▼ Stainless steel combustion chamber
- ▼ Trolley included
- ▼ Forklift slots
- ▼ Snorkel for non-drip fuel tank
- ▼ Robust hook for uplift crane (optional)
- ▼ Protection IP 44

SPECIFICATIONS		BV 400
Fan		plug fan
Total Air Pressure	Pa	500
Ductability	m	50
Air displacement	m ³ /h	6.200
Motor fan power	W/rpm	750/1400
Flex tube	cm	2 tubes Ø 31 cm or 1 tube Ø 40 cm
Heating Power	kW Btu/h kcal/h	110 / 80 kW 375.000 / 237.000 94.600 / 68.800
Maximum Air Temperature	°C	95
Remote thermostat		analog or digital
Summer ventilation		yes
Flue tube	mm	150
Electronic Box Protection		IP 44
Fuel Tank Capacity	l	150
Fuel Consumption	l/h	10,2 high mode/ 7,7 low mode
Rated current	A	6,8
Power supply	V/Hz	220-240/50
Product size (l x w x h)	mm	2086 x 717 x 1233
Box size (l x w x h)	mm	1670 x 710 x 1670
Net/gross weight	kg	200/220



INDIRECT OIL FIRED AIR HEATERS BV 400

WITH 2 STAGE MASTER BURNER



Powerful input plug fan



**BV 400 has standard 1 output.
Diameter 40 cm**



**Optional robust hook
for uplift crane**



**Control panel with thermostat
socket (analog or digital)**

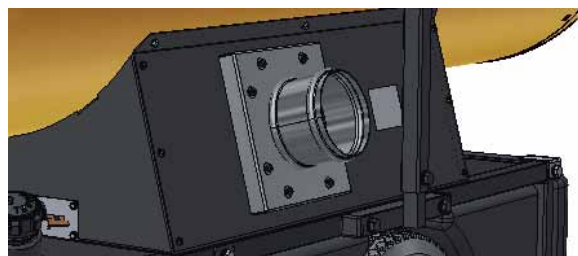
**BV 400 can accept 2 outputs.
Diameter 31 cm (option 4034.480)**



**The burner is protected
by a robust box**



**Allows 2 different heating
powers: 80 kW and 110 kW**



**Optional separate air feed case kit allows to connect a flex tube for
combustion air supply. Very useful when used in polluted rooms**



**Fuel preheater is optional,
fuel filter is outside**



**Robust, rotomoulded fuel tank
and large pneumatic wheels**



**When required, in case of relevant change
of altitude, it is very easy to adjust the combustion**

OPTIONAL ACCESSORIES:



**Analog thermostat
TH5 with cable**
3 m - 4150.109
10 m - 4150.112



**Digital thermostat
THD with cable**
5 m - 4150.133
10 m - 4150.134



2-ways outlet
Ø 31 cm - 4034.480



PVC flex tube
1-way outlet Ø 40 cm
7,6 m - 4031.401

2-ways outlet Ø 31 cm
7,6 m - 4515.553
(possible to connect to each other)



Air recycling kit
4035.068



**Combustion air
inlet kit**
4035.225



Uplift kit
4035.112



Forklift slots
4035.224



**Quick connector to flex
pipes for separate tank**
4035.232



**NYLON flex tube
with bag, 7,6 m**
1-way outlet, Ø 40 cm
- 4515.361
2-ways outlet, Ø 31 cm
- 4515.360



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



Fuel scoop
4515.932

INDIRECT OIL FIRED AIR HEATERS

BV 500 CR

WITH SEPARATE RIELLO BURNER



BV 500 - 13CR CENTRIFUGAL

Ø 40 cm



- ▣ Clean hot air
- ▣ Very easy mobility
- ▣ Very low noise (72 dB)
- ▣ Very high air pressure (770 Pa)
- ▣ Flue gas exhaust
- ▣ Altitude compensation adjustment
- ▣ Separate Riello burner with easy nozzle change
- ▣ Easy access to the heat exchanger for cleaning
- ▣ Fuel pre-heating
- ▣ Summer-Winter switch for ventilation only
- ▣ Socket for remote thermostat: analog or digital
- ▣ High efficiency heat exchanger
- ▣ Stainless steel combustion chamber
- ▣ Snorkel for non-drip fuel tank
- ▣ Forklift slots
- ▣ Robust hook for uplift crane
- ▣ Trolley included

Unique on the market, BV 500CR is equipped with an air pressure sensor and a temperature sensor. The airflow of hot air is automatically adjusted according to the measured values, in order to maximize the result and the comfort.

SPECIFICATIONS		BV 500-13CR
Fan		Centrifugal
Total Air Pressure	Pa	770
Ductability	m	50
Air displacement	m³/h	5.400
Power Fan Motor	W/rpm	2.000/1.600
Flex tube	cm	2 x 31 cm or 1 x 40 cm
Heating Power	kW Btu/h kcal/h	150 512.000 129.000
Maximum Air Temperature	°C	95
Remote thermostat		analog or digital
Summer ventilation		yes
Flue tube	mm	150
Electronic box protection		IP 44
Fuel Tank Capacity	l	150
Max Fuel Consumption	l/h	14,31
Standard Fuel Consumption	l/h	12,19
Rated current	A	13
Power supply	V/Hz	220-240/50
Product size (l x w x h)	mm	2086 x 717 x 1233
Box size (l x w x h)	mm	1640 x 690 x 1440
Net/gross weight	kg	198/254

INDIRECT OIL FIRED AIR HEATERS

BV 500 CR

WITH SEPARATE RIELLO BURNER



BV 500 has standard 1 output.
Diameter 40 cm

BV 500 can accept 2 outputs.
Diameter 31 cm (option 4034.480)



Large pneumatic wheels,
forklift slots, robust rotomoulded plastic tank.



Powerful centrifugal fan,
low noise 72 dB(A)



Easy air recycling – use 2 tubes
2 x Ø 30 cm



The heater gets the fuel from the tank below but can also be connected to an external tank.
Fuel filter is outside.
Fuel pre-heater is inside, within the combustion head.



When required, in case of relevant change of altitude, it is very easy to adjust the combustion.



IP67 Waterproof Control Panel and Electrical Circuit.
This includes: on/off button, ventilation mode. Reset button, socket for remote thermostat: analog or digital.



A leakless fuel tank closure and a big fuel level indicator.

OPTIONAL ACCESSORIES:



Analog thermostat TH5 with cable
3 m - 4150.109
10 m - 4150.112



Digital thermostat THD with cable
5 m - 4150.133
10 m - 4150.134



Air recycling
Use 2 tubes - 2 x Ø 30 cm
Suction tube
4517.623



2-ways outlet
Ø 31 cm - 4034.480



PVC flex tube
1-way outlet Ø 40 cm
7,6 m - 4031.401

2-ways outlet Ø 31 cm
7,6 m - 4515.553
(possible to connect to each other - max. 30 m)



Nylon flex tube with bag, 7,6 m
1-way outlet, Ø 40 cm - 4515.361
2-way outlet, Ø 31 cm - 4515.360



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



Fuel scoop
4515.932

INDIRECT OIL FIRED AIR HEATERS

AIR-BUS BV 471 AND BV 691

WITH SEPARATE RIELLO BURNER



YOUTUBE VIDEO



DIESEL
OIL



PROPANE
BUTANE



NATURAL
GAS



BV 471 - Ø 31 cm
BV 691 - Ø 34 cm



1 - WAY OUTLET
BV 471 - Ø 61 cm
BV 691 - Ø 71 cm



- Strong and robust steel frame with metric bolts
- Powerful fan
- Air pressure 250 Pa (400 Pa for centrifugal version)
- Digital control of the combustion
- Unique "cold start" button for very cold environment
- Possible connection to an optional room thermostat – analog or digital
- Possible connection to 4, 2 or 1 flexible tubes
- Flue gas exhaust
- Separate Riello oil burner
- Summer-Winter switch for ventilation only
- Electronic flame control with photocell
- Fan-Limit thermostat with automatic reset
- Limit thermostat with manual reset
- Fuel pre-heater
- Two oil filters: oil pump filter and suction filter
- Quick connector to external tank (optional)
- High efficiency heat exchanger made of stainless steel pipes
- Stainless steel combustion chamber
- Robust wheels included
- Electronic box protection: IP 55
- 4 robust crane hooks
- High Air Pressure version (400 Pa) available on request

SPECIFICATIONS		BV 471 S	BV 691 S	BV 471SR	BV 691TR	BV 691T
Heating power	kW	136	225	136	225	225
	Btu/h	464.000	768.000	464.000	768.000	768.000
	kcal/h	116.900	193.500	116.900	193.500	193.500
Air displacement	m³/h	8.500	12.800	8500	12.800	12.800
Fan		axial	axial	centrifugal	centrifugal	axial
Air pressure	Pa	250	250	400	400	250
Thermostat control		analog or digital	analog or digital	analog or digital	analog or digital	analog or digital
Fuel consumption	l/h	12,93	21,44	12,93	15,09	15,09
Power supply	V	220-240	220-240	220-240	380-400	380-400
Frequency	Hz	50	50	50	50	50
Electric power	kW	1,5	2,8	2,8	2,8	4,2
Rated current	A	6,9	12,6	16	7,6	6,5
Electronic box protection		IP55	IP55	IP55	IP55	IP55
Flue tube Ø	mm	200	200	200	200	200
Air Outlet Diameter	cm	4 x 27 1 x 60	4 x 32 1 x 70	4 x 27 1 x 60	4 x 32 1 x 70	4 x 32 1 x 70
Product size (l x w x h)	mm	1790 x 880 x 1360	2200 x 985 x 1620	2200 x 870 x 1360	2680 x 990 x 1550	2200 x 985 x 1620
Box size (l x w x h)	mm	1730 x 755 x 1325	2150 x 840 x 1560	2150 x 760 x 1380	2620 x 840 x 1530	2150 x 840 x 1560
Net/gross weight	kg	270/300	380/410	300/330	400/430	380/410



INDIRECT OIL FIRED AIR HEATERS

AIR-BUS BV 471 AND BV 691

WITH SEPARATE RIELLO BURNER



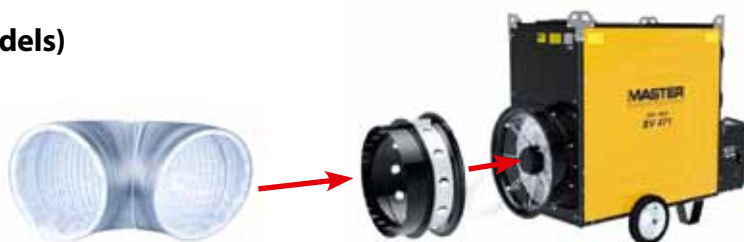
Centrifugal version possible
BV 471SR and BV 691TR
400 Pa



Air recycling kit for AIR-BUS (axial fan models)

Suction tube + Air recycling kit
4517.621* + 4240.709 for BV 471
4517.622* + 4240.748 for BV 691

* offered per linear metre



Suction tube + Air recycling kit



1, 2 and 4 outlets are possible



Box cover: IP 55, additional burner and control panel protection against rain, mud and mechanical factors



Into the box: Riello burner, digital control panel



The combustion is digitally controlled. Digital panel allows very easy and precise set up of temperature sensors



Exhaust pipe on the top with optional support



Optional robust forklift slots



Very powerful and quiet ERP fan



Easy connection to an external fuel tank

INDIRECT OIL FIRED AIR HEATERS

AIR-BUS BV 471 AND BV 691

WITH SEPARATE RIELLO BURNER



Optional
extra chimney support

1, 2, 4 ways are possible

Heat exchanger made
of stainless steel pipes

Turbolators
to increase efficiency

4 robust crane hooks

Steel frame
with metric bolts

Steel cover box:
protects burner and filters.
IP 55. Locks possible.

Powerful and quiet
ERP axial fan

Handles for easy
cover removal

Optional lateral
bumpers in steel

Stainless steel
combustion chamber

Comfortable handle

Integrated digital control panel
with "Cold start" function

Optional steel
forklift slots



INDIRECT OIL FIRED AIR HEATERS

AIR-BUS BV 471 AND BV 691

WITH SEPARATE RIELLO BURNER



OPTIONAL ACCESSORIES:



**Analog thermostat
TH5 with cable**
3 m - **4150.109**
10 m - **4150.112**



**Digital thermostat
THD with cable**
5 m - **4150.133**
10 m - **4150.134**



Pneumatic wheels
BV 471 - **4240.585**
BV 691 - **4240.684**



**Quick connector
for external tank**
4240.580



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



Rotating wheels kit
BV 471 - **4240.598**
BV 691 - **4240.667**



**Flex pipes to connect
external tank**
ACC 281



Fuel scoop
4515.932



**Air recycling kit
(axial fan models)**
BV 471 - **4240.709**
BV 691 - **4240.748**



Suction tube*
BV 471 - **4517.621**
BV 691 - **4517.622**
* offered per linear metre



1-way outlet panel
Ø 60 cm - BV 471 - **4240.825**
Ø 70 cm - BV 691 - **4240.633**



2-ways outlet panel
2 x Ø 40 cm - BV 471 - **4240.235**
2 x Ø 50 cm - BV 691 - **4240.668**



4-ways outlet panel
4 x Ø 27 cm - BV 471 - **4240.553**
4 x Ø 32 cm - BV 691 - **4240.669**



**Flex tubes, PVC,
black and yellow 7,6 m**
4-ways outlet
Ø 31 cm - 7,6 m - BV 471 - **4515.553**
Ø 31 cm - 3 m - BV 471 - **4515.572**
Ø 34 cm - 7,6 m - BV 691 - **4515.558**



**Flex tubes and bag,
NYLON, black, 7,6 m**
4-ways outlet
Ø 31 cm - 7,6 m - BV 471 - **4515.360**
Ø 34 cm - 7,6 m - BV 691 - **4515.367**



External tank
BV 471 - 150 l - **4240.780**
BV 691 - 200 l - **4240.800**

2-ways outlet
Ø 41 cm - 7,6 m BV 471 - **4031.401**
Ø 51 cm - 7,6 m BV 691 - **4515.552**

1-way outlet
Ø 61 cm - 7,6 m - BV 471 - **4031.038**
Ø 71 cm - 7,6 m - BV 691 - **4515.556**

2-ways outlet
Ø 41 cm - 7,6 m - BV 471 - **4515.361**
Ø 51 cm - 7,6 m - BV 691 - **4515.366**

1-way outlet
Ø 61 cm - 7,6 m - BV 471 - **4515.362**
Ø 71 cm - 7,6 m - BV 691 - **4515.365**



Stainless steel exhaust pipe 1 m
Ø 200 mm - BV 471, BV 691
- **4013.245**



Stainless steel chimney pot
Ø 200 mm - BV 471, BV 691
- **4013.250**



**Stainless steel exhaust
elbow 90°**
Ø 200 mm - BV 471, BV 691
- **4013.250**



Forklift slots
BV 471 - **4240.576**
BV 691 - **4240.681**



Lateral bumper kit
BV 471 - **4240.560**
BV 691 - **4240.683**



**Kit for chimney
fixing in working
and transportation
position**
BV 471 - **4240.567**
BV 691 - **4240.682**



DIRECT GAS FIRED AIR HEATERS

MECHANIC



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



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

PATENTED



A KNOB IN BLP 17 ALLOWS TO ADJUST THE HEAT AND THE CONSUMPTION. FOR OTHER MODELS ADJUSTMENT IS POSSIBLE ON GAS REGULATOR

- ▶ 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



OPTIONAL ACCESSORIES:



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	m³/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
Product size (l x w x h)	mm	471 x 188 x 293	552 x 220 x 342	605 x 276 x 444	685 x 276 x 444
Box size (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		no	optional	optional	optional



DIRECT GAS FIRED AIR HEATERS

ELECTRONIC



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
- ▼ 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:



Analog thermostat
TH5 with cable
3 m - **4150.109**
10 m - **4150.112**



Digital thermostat
THD with cable
5 m - **4150.133**
10 m - **4150.134**



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		analog or digital	analog or digital	analog or digital	analog or digital
Air displacement	m³/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
Product size (l x w x h)	mm	552 x 220 x 342	605 x 276 x 444	685 x 276 x 444	895 x 324 x 624
Box size (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



ELECTRIC HEATERS

BUG PEST CONTROL



EKO 3

EKO works on the fact that: bugs, larvae and eggs die per dehydration when kept at a temperature above 45°C degrees for few hours



- Compact and lightweight (19 kg)
- EKO 3 delivers 800 m³/h of hot air using only 3.3 kW at 240V (single phase)
- Connection to the external digital remote thermostat THK, specific for this application, included in the package
- Overheat thermostat
- Motor with thermal protection and intervention
- The MASTER EKO is placed inside the room and recirculates the air increasing the temperature by 15°C at a time.
- Recommended to use in: hotels, hostels, smaller rooms, vans, hospitals, restaurants, bakeries, commercial kitchens and as a support to EKO 9
- Fighting bugs using heat is safe for people and the environment

INCLUDED IN THE BOX:



**Remote thermostat
THK with probe
4150.137**

SPECIFICATIONS		EKO 3
Heating power	kW	2,8
	Btu/h	2866
	kcal/h	11260
Air displacement	m ³	800
Power supply	V	230
Frequency	Hz	50
Phase		1
Rated current	A	12,4
Remote thermostat		digital
Product size (l x w x h)	mm	455 x 440 x 600
Box size (l x w x h)	mm	500 x 400 x 655
Net/gross weight	kg	19/24
Pallet	pcs	12



EKO 3 control panel

ELECTRIC HEATERS

BUG PEST CONTROL



YOUTUBE VIDEO



EKO 9

EKO works on the fact that: bugs, larvae and eggs die per dehydration when kept at a temperature above 45°C degrees for few hours



- Compact and lightweight (35 kg)
- It delivers 1400 m³/h of hot air using only 9 kW at 380 V (three phase)
- Connection to an external digital remote thermostat THK, specific for this application, included in the package
- Overheat thermostat
- Motor with thermal protection and intervention
- The MASTER EKO is placed inside the room and recirculates the air increasing the temperature by 15°C at a time
- Recommended to use in: hotels, hostels, hospitals, restaurants, bakeries, commercial kitchens, train carriages, airplanes, prisons, army barracks, containers

INCLUDED IN THE BOX:



**Remote thermostat
THK with probe
4150.137**



**Extension cord
4511.031 - 16A, 5 m
4511.032 - 16A, 10 m**

OPTIONAL ACCESSORIES:

SPECIFICATIONS		EKO 9
Heating power	kW	9
	Btu/h	30709
	kcal/h	7740
Air displacement	m ³ /h	1400
Power supply	V	400
Frequency	Hz	50
Phase		3N
Rated current	A	13,8
Remote thermostat		digital
Product size (l x w x h)	mm	550 x 606 x 921
Box size (l x w x h)	mm	602 x 646 x 858
Net/gross weight	kg	35/42
Pallet	pcs	4



EKO 9 control panel

ELECTRIC FAN AIR HEATERS



YOUTUBE VIDEO



B 2
B 3



B 2PTC
B 3PTC



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 - 16A, 5 m - **4511.031**

B 5, B 9 - 16A, 10 m - **4511.032**

B 15, B 22 - 32A, 5 m - **4511.033**

B 15, B 22 - 32A, 10 m - **4511.034**



SPECIFICATIONS		B 2PTC	B 3PTC	B 2	B 3	B 5	B 9	B 15	B 22
Heating power	kW	1/2	1,5/3	1/2	1,65/3,3	2,5/5	4,5/9	7,5/15	11/22
	Btu/h	3.400-6.800	3.400-10.200	3.400-6.800	5.630-11.260	8.530-17.000	15.350-30.700	25.600-51.200	37.530-75.100
	kcal/h	860-1.720	860-2.580	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	97	184	510	510	800	1.700	2.400
Power supply	V	230	230	230	230	3~ 400	3~ 400	3~ 400	3N 400
Frequency	Hz	50	50	50-60	50-60	50	50	50	50-60
Plug (male) from heater side		16A/3P	16A/3P	16A/3P	16A/3P	16A/5P	16A/5P	32A/5P	32A/5P
Rated current	A	8,7	13	8,7	14,5	7,2	13	22	32
Switch pos. 1		1 kW	off	off	off	off	off	off	off
Switch pos. 2		2 kW	1,5 kW	fan	fan	fan	fan	fan	fan
Switch pos. 3/4	kW	-	3 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	included
Temperature range	°C	0-40	0-40	5-35	5-35	5-35	5-35	5-35	5-35
Protection		IP21	IP21	IP24	IP24	IP24	IP24	IP24	IP24
Product size (l x w x h)	mm	200 x 200 x 200	244 x 240 x 250	220 x 200 x 330	260 x 260 x 410	310 x 360 x 380	340 x 420 x 440	350 x 470 x 490	350 x 540 x 590
Box size (l x w x h)	mm	200 x 200 x 200	244 x 240 x 250	235 x 210 x 340	280 x 270 x 440	380 x 330 x 440	355 x 450 x 490	370 x 480 x 530	380 x 550 x 630
Net/gross weight	kg	1,9/2,1	3,4/3,7	3,7/4,2	5,1/5,7	6,4/6,8	9,3/10,8	15/15,9	20/22,8
Pallet	pcs	192	160	75	48	24	20	12	12

ELECTRIC FAN AIR HEATERS

HANGING



TR 3
TR 9



INCLUDED IN THE BOX:



**Digital room
chrono-thermostat**

- ▼ Wall mounted
- ▼ Adjustable heat
- ▼ The digital remote Chrono-thermostat allows to set the desired temperature and the working times and choose between full power, mid powerpower or only ventilation
- ▼ Built-in overheat thermostat
- ▼ Low noise
- ▼ No oxygen consumption
- ▼ No fumes, no odours, no humidity
- ▼ Remote control
- ▼ Easy to install
- ▼ The remote control box is pre-wired and includes thermostat, setting and wall bracket
- ▼ The wall bracket included in the box allows to direct the TR at 45°
- ▼ Fast heating for shope, halls, showrooms, meeting rooms, bungalows, offices, workshops, garages, reception halls, big tents, cellars

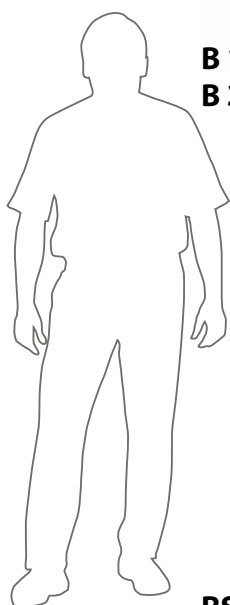
SPECIFICATIONS		TR 3	TR 9
Heating power	kW	3,3	9
Power supply	V	230	380
Frequency	Hz	50	50
Power control	kW	0 / 1,65 / 3,3	0 / 4,5 / 9,0
Voltage at maximum power	A	13,5	13,5
IP Protection		IPX4	IPX4
Min. mounting height	m	1,8	1,8
Ventilation function		yes	yes
Room thermostat		yes	yes
Adjustable heating power		yes	yes
Overheat protection		yes	yes
Product size (l x w x h)	mm	279 x 251 x 340	335 x 280 x 385
Weight net	kg	5,6	12
Pallet	pcs	30	30

ELECTRIC FAN AIR HEATERS

DUCTABLE



B 18 - Ø 31 cm
B 30 - Ø 41 cm



RS 40 - Ø 51 cm

PATENT PENDING

- ▼ Possible connection to a flexible tube
- ▼ Large wheels for easy transport
- ▼ Power cord included
- ▼ Lifting eyelets for easy transport (B 30)
- ▼ Manual reset
- ▼ Built-in room thermostat (RS 40)
- ▼ 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:



**Analog thermostat
TH5 with cable**
3 m - **4150.109**
10 m - **4150.112**



Extension cord
B 18 - 32A, 5 m - **4511.033**
B 18 - 32A, 10 m - **4511.034**
B 30, RS 40 - 63A, 5 m - **4511.035**
B 30, RS 40 - 63A, 10 m - **4511.036**



PVC flex tubes 1-way outlet
B 18 - Ø 31 cm - 7,6 m - **4515.553**
B 30 - Ø 41 cm - 7,6 m - **4031.401**
RS 40 - Ø 51 cm - 7,6 m - **4515.552**
PVC flex tubes 2-way outlet
B 18 - 2 x Ø 23 cm - **4515.557**
B 30 - 2 x Ø 31 cm - **4515.553**



2-ways outlet
B 18 - Ø 23 cm - **4511.808**
B 30 - Ø 31 cm - **4511.807**



Adaptor ring kit
RS 40
- **4210.180**



NYLON flex tube with bag
B 18 - Ø 31 cm - 7,6 m - **4515.360**
B 30 - Ø 41 cm - 7,6 m - **4515.361**
RS 40 - Ø 51 cm - 7,6 m - **4515.366**

SPECIFICATIONS		B 18	B 30	RS 40
Heating power	kW	9/18	15/30	13/26/40
	Btu/h	30.700-61.400	51.200-102.400	44.360-136.500
	kcal/h	7.740-15.480	12.900-25.800	11.200-34.400
Air displacement	m³/h	1.700	3.500	3.100
Power supply	V	3N 400	3~ 400	3~380-400
Frequency	Hz	50-60	50	50
Plug (male) from heater side		32A/5P	63A/5P	63A/5P
Rated current	A	26	43,5	58
Switch pos. 1		off	off	fan
Switch pos. 2		fan	fan	13 kW
Switch pos. 3/4	kW	9/18	15/30	26/40
Thermostat control		optional TH5	optional TH5	on board
Temperature range	< 25	< 25	< 25	-5 - +35
Protection		IP24	IP24	IP20
Product size (l x w x h)	mm	700 x 490 x 530	1030 x 580 x 680	990 x 710 x 800
Box size (l x w x h)	mm	600 x 400 x 460	1050 x 600 x 820	870 x 630 x 770
Net/gross weight	kg	27/29,3	53/63	46/52
Pallet	pcs	16	1	6

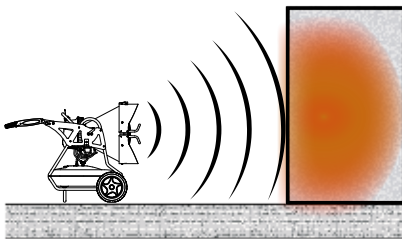


INFRARED HEATERS

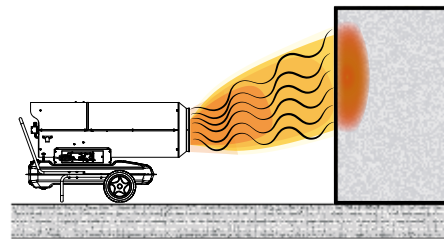
Similar to the sun, short-wave infrared radiation heats the objects without heating the air.
Once objects (or walls) are penetrated with heat, they can also reradiate and heat other objects.
Infrared radiation heats through fog or wind.
Infrared radiation runs straight, on the contrary hot air flows upwards.

Infrared heaters are an excellent solution for:

- Heating objects, bodies or walls indoors and outdoors.
- Drying plaster walls. Infrared heat penetrates the wall and evaporates the humidity of the wall from inside. On the contrary an airflow heater creates a dry surface which traps the humidity into the wall.
- Heating objects or limited indoor spaces. On the contrary hot air is quickly dispersed in the room.
- Saving energy, because less energy is required for achieving the same heating effect.

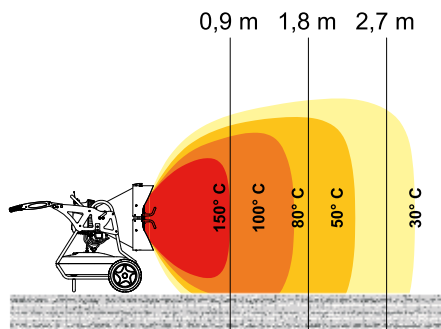


**INFRARED HEATERS
HEAT OBJECTS**

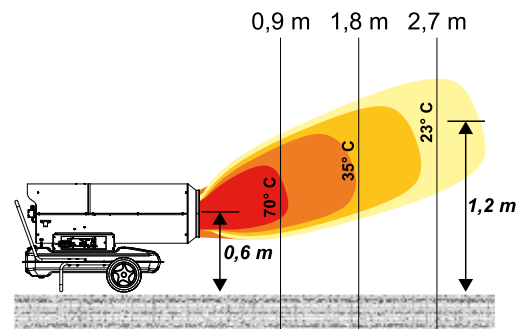


**AIRFLOW HEATERS
HEAT AIR (AND OBJECTS)**

SIDE VIEW

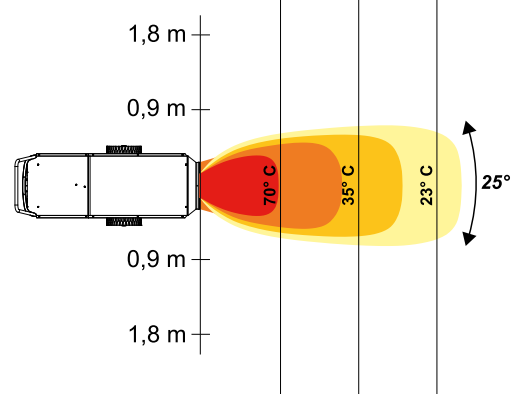
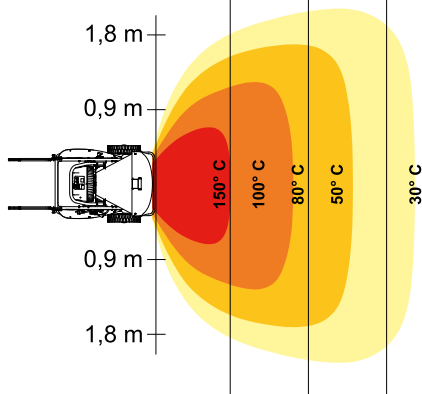


XL 9 or XL 91



AIRFLOW HEATER

TOP VIEW



INFRARED OIL FIRED HEATERS

DC 61 HYBRID: 14V, 110V AND 220V



YOUTUBE VIDEO

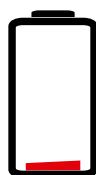


Ventilation of the room is necessary to prevent a deficiency in oxygen supply.



DC 61

PATENTED



60 MINUTES
CHARGE



4 HOURS
RUN-TIME



- It works with a cord and tension (110-240 V) or cordless with lithium battery (14 V)
- 14 V only the highest electrical safety
- Equipped with Master Lithium Battery BAT6
- On board power adapter valid from 110V to 220V AC included
- Low noise
- Infrared heating (short wave)
- No air flow
- Electronic flame control with photocell
- Post-ventilation
- Standard oil level indicator
- ILME socket for remote thermostat: analog or digital
- Suction filter and inlet filter
- Snorkel
- Overheat thermostat
- Anti-tilt switch



INCLUDED:



6Ah Master lithium battery pack:
4 hours run-time.
More than 1000 recharges.
- 4260.268



Master battery pack charger
- 4260.270



Power cord



Analog thermostat TH5 with cable
3 m - 4150.109
10 m - 4150.112



Digital thermostat THD with cable
5 m - 4150.133
10 m - 4150.134

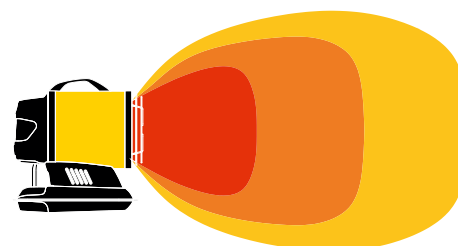


Trolley 4201.159

SPECIFICATIONS		DC 61
Heating power	kW	17
	Btu/h	58.000
	kcal/h	14.600
Fuel consumption	l/h	1,6
Fuel autonomy	h	7
Thermostat control		analog or digital
Electric power	kW	0,2
Power supply	V	110-240
Frequency	Hz	50-60
Rated current	A	1
Tank capacity	l	11
Product size (l x w x h)	mm	560 x 345 x 575
Box size (l x w x h)	mm	680 x 380 x 580
Net/gross weight	kg	19/21
Pallet	pcs	12
Dual voltage	optional	12

OPTIONAL ACCESSORIES:

T Ambient 20°C	0,5 m	1 m	1,5 m
DC 61	110°C	50°C	20°C



INFRARED OIL FIRED HEATERS

XL 61 WITH MASTER BURNER



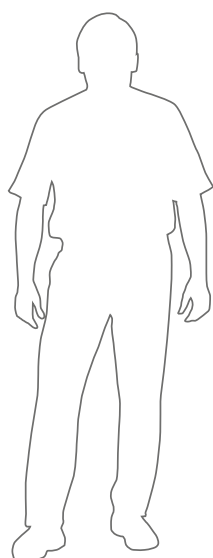
YOUTUBE VIDEO



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

XL 61

PATENTED



XL 61 WITH TROLLEY

- ▶ Low noise
- ▶ Infrared heating (short wave)
- ▶ No air flow
- ▶ Electronic flame control with photocell
- ▶ Post-ventilation
- ▶ Standard oil level indicator
- ▶ ILME socket for remote thermostat: analog or digital
- ▶ Suction filter and inlet filter
- ▶ Snorkel
- ▶ Overheat thermostat
- ▶ Anti-tilt switch



DISPLAY AND SOCKET FOR REMOTE THERMOSTAT

OPTIONAL ACCESSORIES:



Trolley
4201.159



Analog thermostat
TH5 with cable
3 m - **4150.109**
10 m - **4150.112**

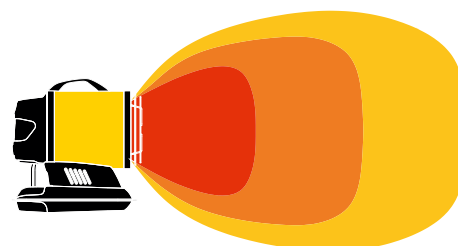


Digital thermostat
THD with cable
5 m - **4150.133**
10 m - **4150.134**

SPECIFICATIONS		XL 61
Heating power	kW	17
	Btu/h	58.000
	kcal/h	14.600
Fuel consumption	l/h	1,6
Fuel autonomy	h	7
Thermostat control		analog or digital
Electric power	kW	0,2
Power supply	V	220-240*
Frequency	Hz	50
Rated current	A	0,85
Tank capacity	l	11
Product size (l x w x h)	mm	560 x 345 x 575
Box size (l x w x h)	mm	600 x 380 x 580
Net/gross weight	kg	19/21
Pallet	pcs	12

* 110 V available

T Ambient 20°C	0,5 m	1 m	1,5 m
XL 61	110°C	50°C	20°C



INFRARED OIL FIRED HEATERS

XL 9 SR AND XL 91

WITH SEPARATE MASTER BURNER

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



XL 9



XL 91



XL 9 SR
Gear Diesel Pump

PATENTED



XL 91
Solenoid Diesel Pump

PATENTED



- ▼ Low noise
- ▼ Infrared heating (short wave)
- ▼ No air flow
- ▼ 2-step power
- ▼ Electronic flame control with photocell
- ▼ Post-ventilation
- ▼ Oil level indicator
- ▼ Optional room thermostat
- ▼ Oil pump filter, suction filter and inlet filter
- ▼ Snorkel (XL 91)
- ▼ Adjustable direction/Tilting
- ▼ Trolley included

OPTIONAL ACCESSORIES:



Fuel pre-heater
4033.049



Analog thermostat
TH5 with cable
3 m - **4150.109**
10 m - **4150.112**



Digital thermostat
THD with cable
5 m - **4150.133**
10 m - **4150.134**
(for XL 91 only)

SPECIFICATIONS		XL 9 SR		XL 91	
Heating power	kW	29	43	29	43
	Btu/h	99.300	146.900	99.300	146.900
	kcal/h	25.000	37.000	25.000	37.000
Fuel consumption	l/h	2,7	4,03	2,7	4,03
Fuel autonomy	h	21	14	21	14
Thermostat control		analog		analog or digital	
Electric power	kW	0,16		0,19	
Power supply	V	220-240*		220-240*	
Frequency	Hz	50		50	
Rated current	A	0,7		0,7	
Tank capacity	l	60		60	
Product size (l x w x h)	mm	1070 x 700 x 980		710 x 970 x 990	
Box size (l x w x h)	mm	1200 x 750 x 1130		1030 x 750 x 1190	
Net/gross weight	kg	69/85		69/85	
Pallet	pcs	1		1	

* 110 V available



INFRARED ELECTRIC HEATERS



TS 3A
LONG WAVE



HALL 1500
SHORT WAVE



HALL 3000
SHORT WAVE



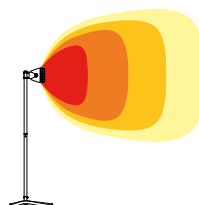
- ▶ No noise
- ▶ Infrared heating
- ▶ No air flow
- ▶ Instant heat
- ▶ No oxygen consumption
- ▶ No fumes, no dust, no odours, no humidity
- ▶ 100% efficiency
- ▶ Life of the lamps: 5.000 hours
- ▶ Not blinding golden lamps

T Ambient 20°C	0,5 m	1 m	1,5 m	2 m
TS 3	70°C	45°C	35°C	30°C
HALL 1500	70°C	45°C	35°C	28°C
HALL 3000	85°C	50°C	40°C	30°C

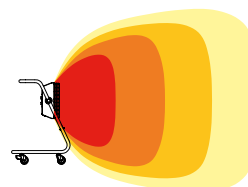
OPTIONAL ACCESSORIES:



Stand for HALL 1500
4012.321



HALL 1500



HALL 3000



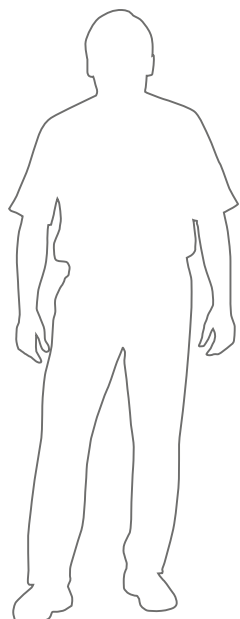
TS 3A

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
Infrared radiation		long wave	short wave	short wave
Power supply	V/Hz	220-240/50	220-240/50	220-240/50
Rated current	A	10,5	6,5	13,0
Switch on/off		yes	yes	yes
Insulating class		1	1	1
Lamp		ceramic infrared	gold	gold
Lamp life	h	no limits	5000	5000
Approximate area	m²	8	6	8
Cable		HØ7	HØ7	HØ7
Product size (l x w x h)	mm	398 x 413 x 495	735 x 650 x 1765	590 x 600 x 870
Box size (l x w x h)	mm	440 x 390 x 240	540 x 250 x 320	550 x 340 x 640
Net / gross weight	kg	7,6/8,2	4,8/5,7	12/13
Units per box	pcs	1	1	1
Units per pallet	pcs	32	36	12



DIRECT GAS FIRED AIR HEATERS

CF 75 SPARK



CF 75 SPARK



- Designed for indoor and outdoor
- Can be placed on the floor or hung 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

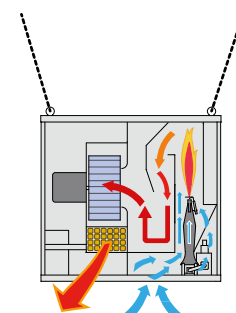
INCLUDED:



Diverter



**Kit to transform
LPG into NATURAL GAS**



OPTIONAL ACCESSORIES:



**Analog thermostat
TH5 with cable**
3 m - **4150.109**
10 m - **4150.112**



**Digital thermostat
THD with cable**
5 m - **4150.133**
10 m - **4150.134**



Kit for outdoor
galvanized - **4015.164**



Brackets
galvanized - **4230.120**

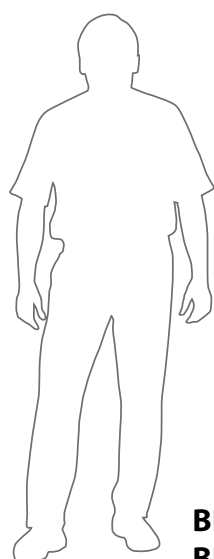
SPECIFICATIONS		CF 75 SPARK
Heating power	kW	75
	Btu/h	64.500
	kcal/h	255.900
Air displacement	m³/h	2.100
Thermostat control		optional
Fuel consumption (LPG)	m³/h	2,3
Fuel consumption (NATURAL GAS)	m³/h	8,0
Power supply	V	220-240
Frequency	Hz	50
Electric power	kW	0,5
Rated current	A	2,8
Product size (l x w x h)	mm	782 x 464 x 719
Box size (l x w x h)	mm	825 x 515 x 780
Net/gross weight	kg	57/61
Pallet	pcs	4



Outdoor

INDIRECT OIL FIRED AIR HEATERS

STATIONARY



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

OPTIONAL ACCESSORIES:



**Stainless steel
exhaust-pipe 1 m**

Ø 120 mm - BF 35 - **4013.260**
Ø 150 mm - BF 75 - **4013.243**



**Stainless steel
exhaust elbow 90°**

Ø 120 mm - BF 35 - **4013.261**
Ø 150 mm - BF 75 - **4013.247**



**Stainless steel
chimney pot**

Ø 120 mm - BF 35 - **4013.262**
Ø 150 mm - BF 75 - **4013.249**

SPECIFICATIONS		BF 35	BF 75
Heating power	kW	29,1	60,1
	Btu/h	99.300	205.070
	kcal/h	25.050	51.680
Air displacement	m³/h	2.800	5.300
Fuel		oil	oil
Fuel autonomy	h	26	15
Fuel consumption	l/h	2,8	5,9
Electric power	kW	0,245	0,560
Power supply	V	230	230
Frequency	Hz	50	50
Flue tube Ø	mm	120	150
Fuel tank capacity	l	75	90
Product size (l x w x h)	mm	1050 x 460 x 1600	1220 x 540 x 1700
Box size (l x w x h)	mm	1140 x 480 x 1730	1300 x 780 x 2130
Net weight	kg	132	173



HEATING SOLUTIONS FOR:

AGRICULTURE, CONSTRUCTION, EVENTS,
WORKSHOPS & GARAGES, INDUSTRY & WAREHOUSES

AGRICULTURE



CONSTRUCTION



EVENTS



WORKSHOPS & GARAGES



INDUSTRY & WAREHOUSES



HOW TO CHOOSE YOUR HEATER



ΔT 30 °C

INFRARED HEATING SUGGESTED HEATED AREA



kW	Oil	Electric	m ²
1,5 kW	–	HALL 1500	4
2,4 kW	–	TS 3A	6
3,3 kW	–	HALL 3000	8
20 kW	XL 61	–	16
43 kW	XL 91	–	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



kW	Electric	Gas	Direct Oil	Indirect Oil	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	RS 30	–	–	–	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	1925	898	539	385
48 kW	–	–	B 180	–	1966	917	550	393
53 kW	–	BLP 53	–	–	2170	1013	608	434
65 kW	–	–	B 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	BV 400	4546	2121	1273	909
134 kW	–	–	–	BV 471 BV 500	5488	2561	1537	1098
220 kW	–	–	–	BV 691	9010	4204	2523	1802

REMOTE CLIMATE CONTROL

INTELLIGENT MONITORING



With IMCS you follow from remote what the heaters and the dehumidifiers are doing.

IMCS is an innovative system for the remote control of the climate in the room via GSM.

It allows:

MONITORING: IMCS monitors the function of dehumidifiers or heaters installed in a room

RECORDING: IMCS records the level of humidity or temperature in the room, giving a secure documentation about the job done

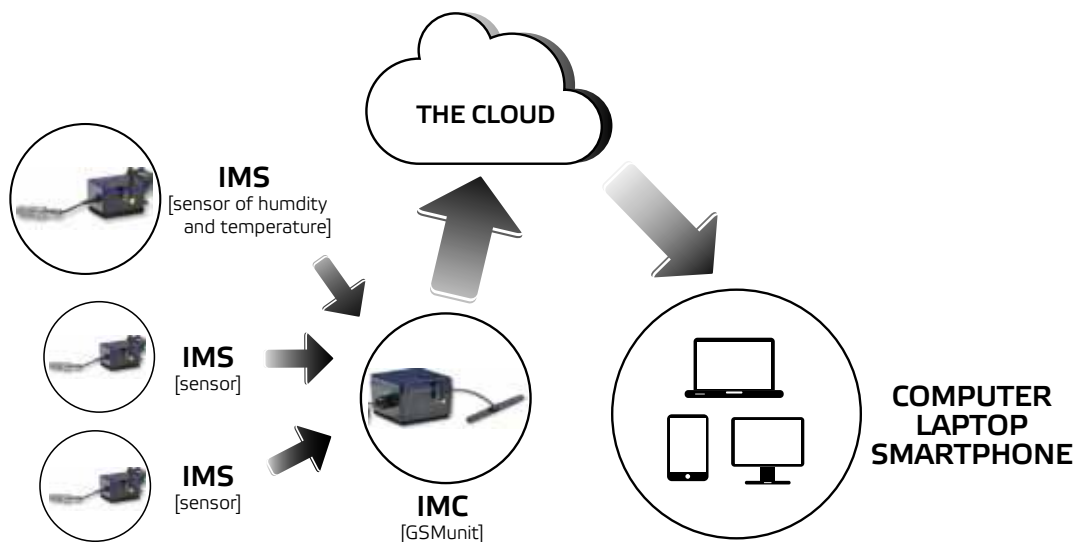
REDUCING COSTS: IMCS reduces operating costs because there is no need to visit the site and, once the level of humidity or temperature is achieved, the equipment can be stopped by remote.



With the computer or a tablet you can access to the cloud and read in a **DASHBOARD** the following information:

- ▾ temperature
- ▾ humidity
- ▾ running time
- ▾ energy consumption

HOW IMCS WORKS



The **IMS** SENSORS measure the temperature and the humidity in the room and send the information to the **IMC**, the GSM COMMUNICATION UNIT.

The **IMC** sends the information to the Cloud.



REMOTE CLIMATE CONTROL

INTELLIGENT MONITORING



IMCS DASHBOARD

- Administration of any number of damage cases
- Geographical position available and route making
- QR codes to scan IMC and get information or scan more sensors
- Alarm administration and Alarm receivers
- Turn dehumidifiers and heaters on/off
- All data in real time
- All cases are saved in Dashboard Archive



IMC (GSMunit)



IMS (sensor)



IMR (On/Off Unit)



SPECIFICATION

IMC (GSM unit)

Capacity	Up to 32 sensors per system
Power	230 V
Product size (l x w x h)	17 cm x 16 cm x 9 cm
Transmitting	GSM-signal present

IMS (sensor)

Power	3 pcs alkaline AAA
Transmitting	wireless 433 mhz
Size sensor (l x w x h)	8.5 cm x 6.5 cm x 6.5 cm
Size probe (l x Ø)	4 cm x 1,4 cm
Accuracy probe	+/- 1.8%RH with long term stability
Temperature range probe	- 40 °C – + 90 °C
Humidity range probe	0 - 100%RH (not in water)

COMPONENTS

IMS: the wireless climate sensor IMS measures temperature and humidity in the room and gives data every 60 minutes and speaks with the IMC unit.

IMC: this unit collects the data from several IMS units (up to 32 sensors) and sends them via GSM to the cloud.

IMR: this can be connected between the power plug and the heater or dehumidifier and allows to remote turn on/off the heater or dehumidifier. Max. capacity 16A~3,5 kW.

MASTER IMCS start package includes: 1 unit IMC and 3 units IMS.

WHY I CHOOSE MASTER DEHUMIDIFIERS?



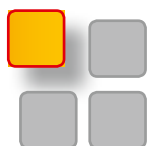
SAVE TIME

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



3 YEARS WARRANTY

Master offers 3 years of warranty on all products. Who else does it? Please, read warranty terms online



INDEX



CAPACITY: BEST FOR: PAGE

PROFESSIONAL CONDENSATION DEHUMIDIFIERS - CONSTRUCTION



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

**27 - 80
l/24h**

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

48

PROFESSIONAL CONDENSATION DEHUMIDIFIERS - ALL PURPOSE



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.

**20 - 72
l/24h**

■ Restoration works
■ Public spaces
■ House
■ Agriculture
■ Rental

49-51

PROFESSIONAL CONDENSATION DEHUMIDIFIERS - INDUSTRIAL



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 - 220
l/24h**

■ Construction
■ Industry
■ Warehouse
■ Agriculture
■ Meat processing
■ Food processing

52

CONDENSATION DEHUMIDIFIERS - HOUSE - WORKPLACE - HOTELS



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
■ Hotels
■ Ski resorts

53

ADSORPTIVE DESICCANT DEHUMIDIFIERS INDUSTRIAL



A 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 down to -10°C.

**18,75 - 25,7
l/24h**

■ Industry
■ Agriculture
■ Restoration works
■ Public spaces

54

CHART



How to choose your dehumidifier.

55

REMOTE CLIMATE CONTROL



The innovative system for the remote control of the climate using GSM. It monitors the function of heaters or dehumidifiers installed in a room.

40-41

SOLUTIONS FOR: CONSTRUCTION, PRODUCTION AND LOGISTICS, AGRICULTURE

APPLICATION



CONSTRUCTION



ALL PURPOSE



INDUSTRIAL



HOUSE
WORKPLACE
HOTELS



ADSORPTIVE
DESICCANT

CONSTRUCTION

MOISTURE REMOVAL
IN NEW HOUSES



DRYING DURING
CONSTRUCTION



WATER REMOVAL
AFTER PAINTING



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



DRYING MEAT



SOLUTIONS FOR: RESTORATION WORKS, PUBLIC SPACES, HOUSES

APPLICATION

RESTORATION WORKS

WATER DAMAGE
RESTORATION



DRYING FLOODED
PREMISES



DRYING AFTER
FIRE FIGHTING
INTERVENTION



CONSTRUCTION



ALL PURPOSE



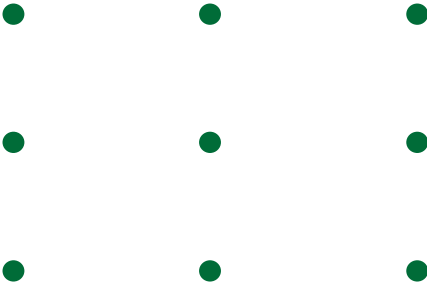
INDUSTRIAL



HOUSE
WORKPLACE
HOTELS



ADSORPTIVE
DESICCANT



PUBLIC SPACES

DRYING SHOPS,
OFFICES



DECREASE HUMIDITY
IN CLOAKROOMS,
SKI RESORTS



KEEPING HUMIDITY
LEVEL IN LIBRARIES,
MUSEUMS, ARCHIVE



PROTECTING
ELECTRONIC
EQUIPMENT
FROM HUMIDITY



HOUSES

DRYING GARAGES,
CELLARS



DRYING
IN LAUNDRIES



PROFESSIONAL CONDENSATION DEHUMIDIFIERS

CONSTRUCTION



- ▶ 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 hygrostat



Wide spaces between evaporator tubes prevent clogging.



Compact foam air filter enables work in very dusty spaces.

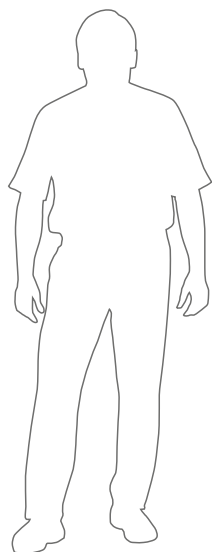


Manual control resistant to hard condition.

SPECIFICATIONS		DH 26	DH 44	DH 62	DH 92
Capacity (30°C/80% RH)	l/24h	27	41	52	80
Capacity (20°C/60% RH)	l/24h	12	17	20	32
For rooms of approx.	m ³	405	615	780	1200
For restoration after flood	m ³	162	246	312	480
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		R1234	R1234	R1234	R1234
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
Product size (l x w x h)	mm	450 x 470 x 890	600 x 580 x 850	600 x 580 x 850	580 x 600 x 1035
Box size (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

ALL PURPOSE, RENTAL, ROTOMOULDED CASE



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



Hour counter



On board humidity control

OPTIONAL ACCESSORIES:



Water pump.
Forcing height 4 m
4140.029

SPECIFICATIONS		DHP 65
Capacity (30°C/80% RH)	l/24h	56
Capacity (20°C/60% RH)	l/24h	22
For rooms of approx.	m ³	840
For restoration after flood	m ³	336
Air displacement	m ³ /h	500
Operating range: temperature	°C	3-35
humidity	%	38-99
Refrigerant		R1234
Power consumption	W	780
Power supply	V	220-240
Frequency	Hz	50
Noise	dB(A)	53
Compressor		rotary
Tank capacity	l	10,5
Product size (l x w x h)	mm	570 x 530 x 700
Box size (l x w x h)	mm	730 x 580 x 840
Net/gross weight	kg	45/50
Pallet	pcs	4
Dual voltage		available



Heavy duty, rotomoulded casing



Easy to open for cleaning



Stackable



PROFESSIONAL CONDENSATION DEHUMIDIFIERS



ALL PURPOSE, COMPACT

DH 732

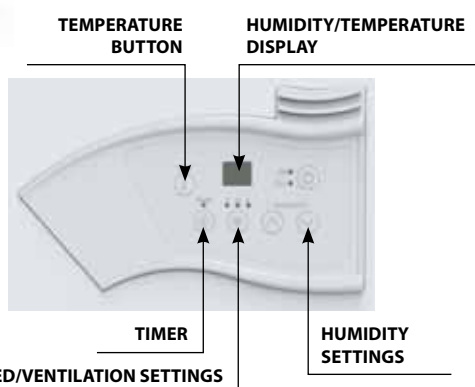


- ▼ Digital control
- ▼ High efficiency
- ▼ Durable casing
- ▼ Simple operation
- ▼ Built-in hygostat
- ▼ Possibility of continuous operation (24 h/day)
- ▼ Water tank with automatic shut-off when full
- ▼ Possibility to connect a hose to remove condensed water
- ▼ Air filter
- ▼ DH 732 are stackable

DH 721



**DH 721
DIGITAL CONTROL PANEL**



Light and compact casing

SPECIFICATIONS		DH 721	DH 732
Capacity (30°C/80% RH)	l/24h	21	30
Capacity (20°C/60% RH)	l/24h	7	10,8
For rooms of approx.	m ³	390	450
For restoration after flood	m ³	156	180
Air displacement	m ³ /h	240	160
Operating range:			
temperature	°C	5-35	5-32
humidity	%	35-90	35-95
Refrigerant		R290	R290
Power consumption	W	490	680
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Noise	dB(A)	42	42
Compressor		piston	rotary
Tank capacity	l	4,7	6,5
Product size (l x w x h)	mm	335 x 305 x 580	358 x 338 x 550
Box size (l x w x h)	mm	380 x 350 x 640	402 x 387 x 592
Net/gross weight	kg	19/21	19,5/21
Pallet	pcs	18	18

PROFESSIONAL CONDENSATION DEHUMIDIFIERS

ALL PURPOSE



DH 752



DH 772



- ▼ Automatic fast defrosting by hot gases
- ▼ 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
- ▼ Air filter



OPTIONAL ACCESSORIES:



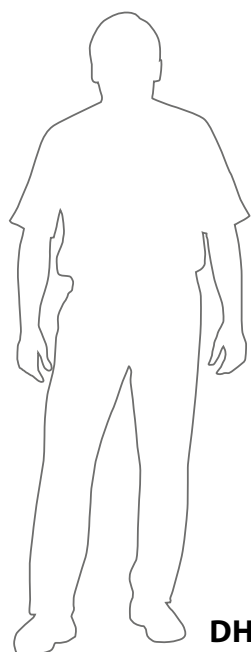
Water pump for DH 752 and DH 772
Max. forcing height - 4m
4512.440

SPECIFICATIONS		DH 752	DH 772
Capacity (30°C/80% RH)	l/24h	47,2	72
Capacity (20°C/60% RH)	l/24h	20,3	49
For rooms of approx.	m ³	701	1080
For restoration after flood	m ³	280	432
Air displacement	m ³ /h	350	850
Operating range:			
temperature	°C	5-35	5-32
humidity	%	20-90	35-90
Refrigerant		R290	R1234
Power consumption	W	900	1790
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Noise	dB(A)	52	60
Compressor		rotary	rotary
Tank capacity	l	5,7	15
Product size (l x w x h)	mm	580 x 422 x 820	586 x 436 x 1110
Box size (l x w x h)	mm	610 x 405 x 660	730 x 530 x 1170
Net/gross weight	kg	30/36	59/64
Pallet	pcs	12	2



PROFESSIONAL CONDENSATION DEHUMIDIFIERS

INDUSTRIAL



DH 7160



- ▼ Big air flow for fast and effective dehumidification
- ▼ Robust metal frame and housing
- ▼ Folding handles and wheels
- ▼ Wheel foot brakes
- ▼ 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 - 16A, 5 m - **4511.031**
DH 7160 - 16A, 10 m - **4511.032**

SPECIFICATIONS		DH 7160
Capacity (30°C/80% RH)	l/24h	166
Capacity (20°C/60% RH)	l/24h	57,6
For rooms of approx.	m ³	2.490
For restoration after flood	m ³	996
Air displacement	m ³ /h	1.700
Operating range:		
temperature	°C	5-32
humidity	%	30-90
Refrigerant		R1234
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
Product size (l x w x h)	mm	582 x 410 x 1624
Box size (l x w x h)	mm	640 x 465 x 1700
Net/gross weight	kg	102/110
Pallet	pcs	1



Wheels with foot brakes



Folding handles



Air filter



CONDENSATION DEHUMIDIFIERS

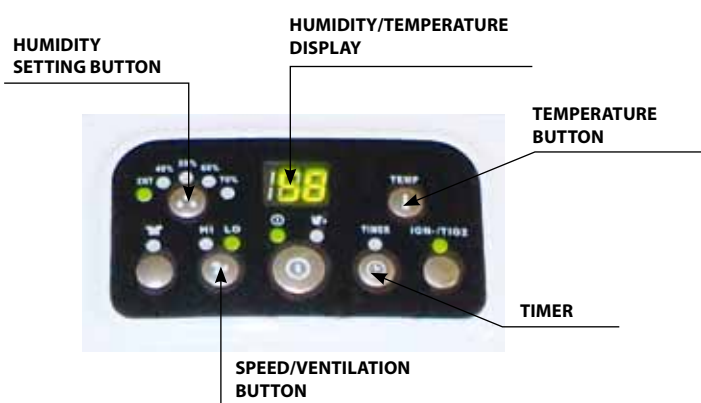
HOUSE, WORKPLACE, HOTELS



DH 720



- ▼ Attractive design
- ▼ Compact, plastic casing
- ▼ Light, easy to transport
- ▼ Quiet operation
- ▼ Simple controls
- ▼ Built in hygrostat
- ▼ Tank full indicator
- ▼ Electronic panel control



ELECTRONIC CONTROL PANEL DH 720

SPECIFICATIONS		DH 720
Capacity (30°C/80% RH)	l/24h	20
Capacity (20°C/60% RH)	l/24h	6,7
For rooms of approx.	m ³	50
Air displacement	m ³ /h	150
Operating range:		
temperature	°C	5-32
humidity	%	35-95
Refrigerant		R290
Power consumption	W	390
Power supply	V	220-240
Frequency	Hz	50
Noise	dB(A)	48
Compressor		rotary
Tank capacity	l	5
Product size (l x w x h)	mm	410 x 210 x 550
Box size (l x w x h)	mm	460 x 260 x 580
Net/gross weight	kg	11/12
Pallet	pcs	27

ADSORPTIVE DESICCANT DEHUMIDIFIERS



ASE 200



ASE 300



- ▼ Operation temperature range: -10 to +35°C
- ▼ No gas
- ▼ No compressor
- ▼ Casing made of stainless steel and powder coated sheet steel
- ▼ High-performance ECODRY G3-rotor for maximum water absorption
- ▼ One common fan for process and regeneration air
- ▼ Comfortable handle for easy transport
- ▼ The Rotor unit is easy to remove for cleaning purpose
- ▼ Energy-efficient radial fan
- ▼ Dynamic, safe and self-regulating PTC heating element
- ▼ Built-in hygrostat
- ▼ Hour and energy counter
- ▼ Stackable when in operation
- ▼ Instructions in English and German

OPTIONAL ACCESSORIES:



Thermaflex hose:

ASE 200 - 80 mm - **6000-0004**
ASE 300 - 100 mm - **6000-0000**

Superflextract hose 50 mm

ASE 200, ASE 300 - **6000-0003**

Replacement filter

ASE 200 - **5107-0005**
ASE 300 - **5107-0011**

SPECIFICATIONS		ASE 200	ASE 300
Capacity (20°C/60% RH)	l/24h	18.75	25.7
Air volume – dry air/regeneration air	m³/h	210/110	300/110
Ext. pressure – dry air/regeneration air	Pa	150/50	150/50
For rooms of approx.	m³	200	300
Operating range:			
temperature	°C	-10 - +35	-10 - +35
humidity	%	10-95	10-95
Nominal power consumption	W	694	1040
Power supply	V/Hz	230/1ph/50	230/1ph/50
Sound level	dB(A)	48	57
Air inlet	Ø mm	125	125
Dry air outlet	Ø mm	1 x 80 or 2 x 50	1 x 100 or 2 x 50
Regeneration air outlet	Ø mm	80	80
Product size (h x w x d)	mm	285 x 290 x 395	370 x 335 x 430
Box size (h x w x d)	mm	330 x 340 x 430	410 x 390 x 490
Net/gross weight	kg	14/16	18/20
Pallet	pcs	20	16



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.

APPLICATION	THE REQUIRED CAPACITY OF THE DEHUMIDIFIER (l/24h) IS EQUAL TO:
BASEMENT	The volume of the room divided by 15 in standard conditions
RESTORATION AFTER FLOOD	The volume of the room divided by 6 in standard conditions
WAREHOUSE WITH FOOD: CHEESE, FRUIT...	The volume of the room divided by 10 plus the loss of water from the food
SWIMMING POOL OR JACUZZI	The volume of the room divided by 10 plus 0,4 litres of water per m ² of the swimming pool per day
ROOM WITH MANY PEOPLE	The volume of the room divided by 15 plus 4,4 litres of water per person per 24h
ROOM WITH LARGE ANIMALS	The volume of the room divided by 15 plus 6 litres of water per large animal per 24h



Example BASEMENT

Volume of the room **V = 650 m³**

Recommended dehumidifier's capacity: $650:15 = 41 \text{ l/24h}$

You can choose: DH 752 or DH 44



Example RESTORATION AFTER FLOOD

Volume of the room **V = 150 m³**

Recommended dehumidifier's capacity: $150:6 = 25 \text{ l/24h}$

You can choose: DH 732 or DH 26



Example ROOM WITH MANY PEOPLE

Volume of the room **V = 600 m³**

People = 25

Recommended dehumidifier's **capacity** with closed windows: $600:15 + 4,4*25 = 150 \text{ l/24h}$

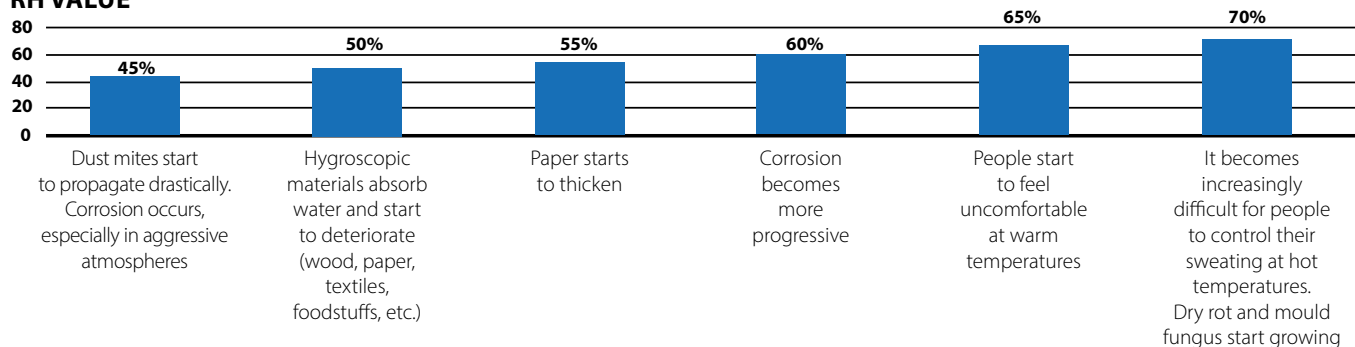
You can choose:

2 units of DH 92, 2 units of DH 772 or 1 unit DH 7160

With a proper ventilation with the outside you can reduce the number of dehumidifiers required

A list of limit RH values

RH VALUE



WHY I CHOOSE MASTER EVAPORATIVE COOLERS?



PRODUCTIVITY

The hotter it gets the higher the effect will be on the productivity and accuracy of your employees. Using our practical Master evaporative coolers guarantees an improvement in productivity in hot working environments like industrial warehouses, factory halls and during the hot summer days.



SAFETY

Many workers are subject to excessive heat risks. These heat risks due to rising temperatures year after year cause problems in factories, warehouses, maintenance shops, and other workplaces, even during the cooler months. Heat-generating machinery, furnaces, welders, enclosed spaces, and physical exertion all contribute to heat stress risk. Using Master Evaporative Coolers reduces the temperatures between 4 and 12 degrees and creates a safe working environment.



INVESTMENT IN COOLING

Master Evaporative Coolers are portable to be used in many different places and applications and are easy to install, just connecting the water or refilling the tank. The coolers are maintenance-friendly and very energy-friendly, making it a very economical solution. With our wide range of cooling solutions we can offer you a solution to all your cooling requirements.



COMFORT

Master Evaporative Coolers are used in a wide range of applications, offering comfort at the workfloor. Our coolers are very durable and can be used outside, what makes it the ideal solution for giving comfort at your terrace and at your event. Your guests will be more comfortable, stay longer and spend more money. Due to the mobility and durability our coolers are also ideal for short and long-term rentals.



PROTECT THE ENVIRONMENT

Master Evaporative Coolers are chemical-free and green-friendly. Our evaporative coolers are energy-friendly (less than 10% compared with a traditional air-conditioner) and a little amount of water. You do not only save money but also save the planet.



WHY MASTER EVAPORATIVE COOLERS WILL NEVER CAUSE LEGIONELLA



DOWNLOAD
THE ARTICLE



3 YEARS WARRANTY

Master offers 3 years of warranty on all products. Who else does it? Please, read warranty terms online

INDEX



AIR
DISPLACEMENT:

BEST FOR:

PAGE

PORTABLE EVAPORATIVE COOLERS



Master evaporative 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.

**up to 30 000
m³/h**

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

60-64

MOBILE AIR CONDITIONERS



The AC 24 Air Conditioner is a mobile unit developed primarily to provide air conditioning in temporary or transportable buildings or tents. The AC 24 is designed for placement outside with supply air and return air ducted to the tent.

**up to 2 180
m³/h**

■ Rental
■ Public spaces
■ Events
■ Emergency

65

STATIONARY EVAPORATIVE 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

66-67

PROFESSIONAL FANS



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 13 200
m³/h**

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

70-72

AIR SCRUBBER



An air scrubber is a portable filtration system that removes particles and gasses from the working area. It improves the air quality and reduces the bad smells in the environment.

**up to 1 300
m³/h**

■ Construction
■ Industry
■ Warehouse
■ Agriculture
■ Restoration works

73

AIR BLOWERS



The air blowers support building and water damage drying. They are equipped with very powerful and energy saving fan.

**up to 2 000
m³/h**

■ Construction
■ Industry
■ Warehouse
■ Agriculture
■ Restoration works

74-77

DESTRATIFIERS -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 66 200
m³/h**

■ Industry
■ Warehouse
■ Agriculture

78

CHART



How to choose your air cooler.
How to choose your destratifier.

69

79

REMOTE CONTROL SYSTEM



The innovative system for the remote control of the climate using GSM. It monitors the function of BCF coolers.

68

COOLING SOLUTIONS FOR:
INDUSTRY & WAREHOUSES, WORKSHOPS & GARAGES,
AVIATION & AUTOMOTIVE, EVENTS, AGRICULTURE

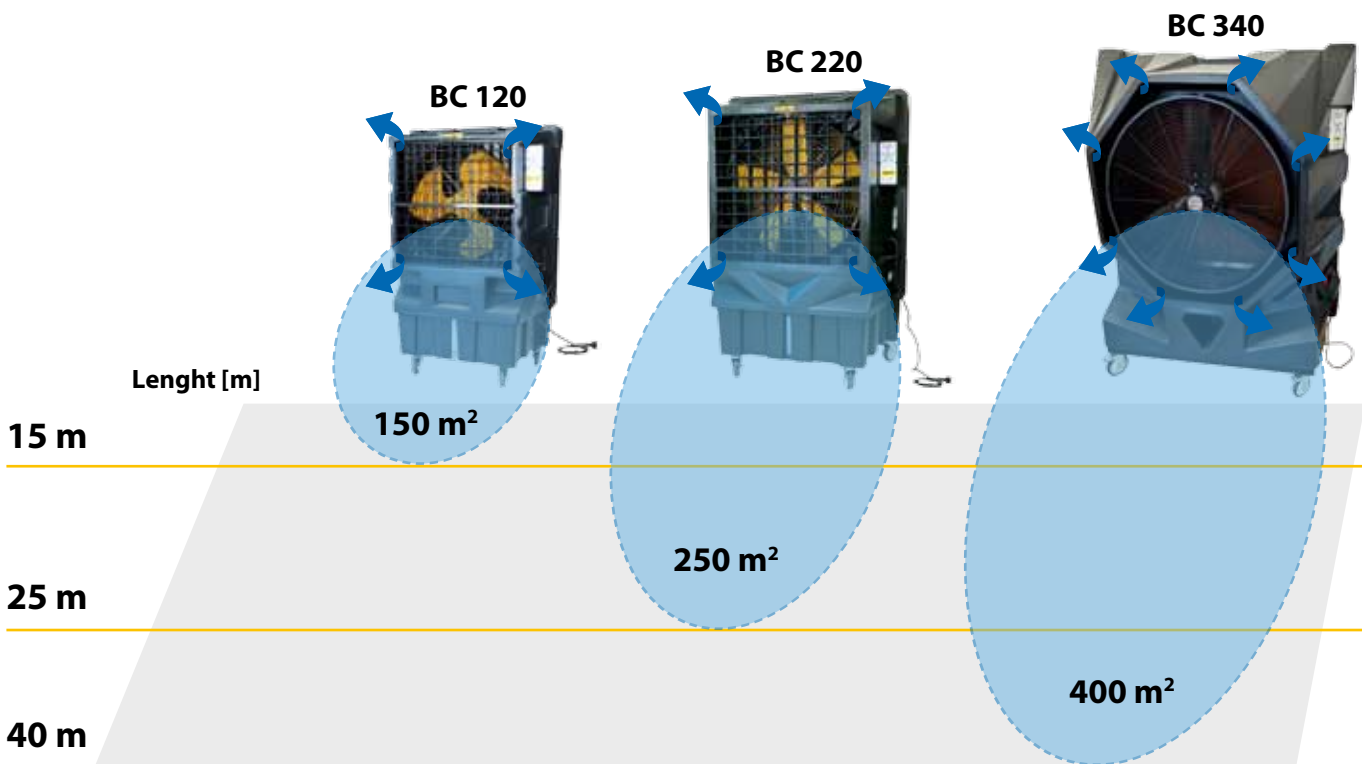
**WORKSHOPS,
WAREHOUSES**



**INDUSTRY,
AUTOMOTIVE,
AVIATION**



**RESTAURANTS,
COMMERCIAL
KITCHENS,
EVENTS,
AGRICULTURE**



MASTER

EVAPORATIVE COOLERS

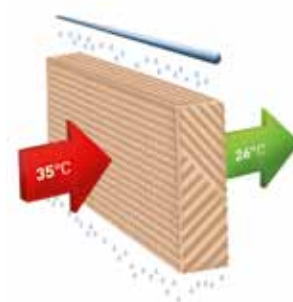
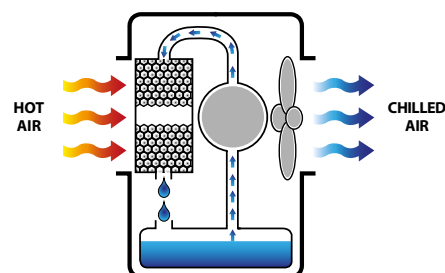
MASTER evaporative Coolers cool the air using a simple natural process: the evaporating water decreases the temperature of the air.

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

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

MASTER evaporative air 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 is the natural choice for all your cooling requirements.

The design and operation of evaporative coolers (Master Air 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

This table shows the theoretical OUTGOING AIR TEMPERATURE of a cooler.

The theoretical OUTGOING AIR TEMPERATURE depends on the INCOMING AIR TEMPERATURE and on the RELATIVE HUMIDITY.

Enter in the table with the INCOMING AIR TEMPERATURE and the REALATIVE HUMIDITY and get the theoretical OUTGOING AIR TEMPERATURE

Example:

Incoming air temperature = 35°C

Relative humidity = 30%

Outgoing air temperature = 26°C



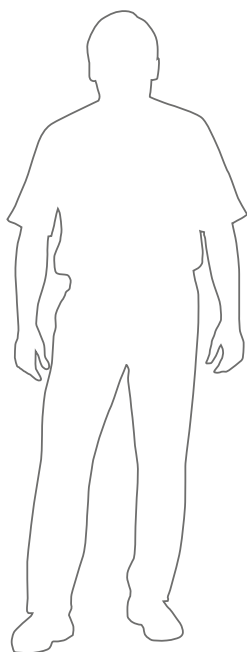
		RELATIVE HUMIDITY																
		2%	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%
INCOMING AIR TEMPERATURE	24°C	12°C	13°C	14°C	14°C	15°C	16°C	17°C	17°C	18°C	18°C	19°C	19°C	20°C	21°C	21°C	22°C	22°C
	27°C	14°C	14°C	16°C	17°C	17°C	18°C	19°C	19°C	20°C	21°C	22°C	22°C	23°C	23°C	24°C	24°C	25°C
	29°C	16°C	17°C	17°C	18°C	19°C	20°C	21°C	21°C	22°C	23°C	23°C	24°C	24°C	25°C	26°C	27°C	
	32°C	18°C	18°C	19°C	21°C	21°C	22°C	23°C	24°C	25°C	26°C	26°C	27°C	28°C	28°C	29°C	30°C	
	35°C	19°C	20°C	21°C	22°C	23°C	24°C	26°C	26°C	27°C	28°C	29°C	29°C	30°C				
	38°C	21°C	22°C	23°C	24°C	26°C	27°C	28°C	28°C	29°C	31°C	31°C						
	41°C	22°C	23°C	25°C	26°C	27°C	29°C	30°C	31°C	32°C								
	43°C	24°C	25°C	27°C	28°C	29°C	31°C	32°C	33°C									
	46°C	26°C	27°C	28°C	30°C	32°C	33°C	34°C										
	49°C	27°C	28°C	30°C	32°C	34°C	35°C											
	52°C	28°C	30°C	32°C	34°C	36°C												
		OUTGOING AIR TEMPERATURE																

PORTABLE AIR COOLERS

CCX 4.0



- ▼ 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
- ▼ Ionizer to improve air quality
- ▼ Low-noise level what makes it ideal for terraces



CCX 4.0

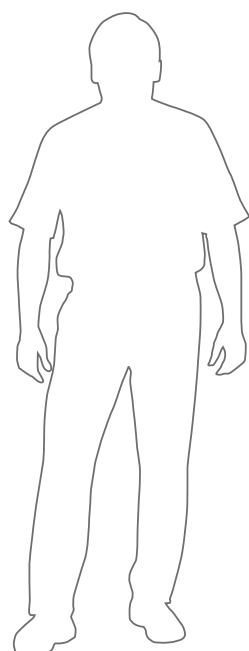
SPECIFICATIONS		CCX 4.0
Cooling pad	dm ³	40
Air displacement	m ³ /h	4.000
Maximum area	m ²	80
Power supply	V	230
Frequency	Hz	50
Power consumption	W	150
Rated current	A	1,45
Fan speed		3
Outlet versions		front
Water consumption	l/h	5-10
Tank capacity	l	50
Direct water connection		yes
Tank level control		yes
Noise	dB	67
Product size (l x w x h)	mm	640 x 450 x 1230
Box size (l x w x h)	mm	650 x 550 x 1160
Weight (without/with water)	kg	22/72
Pallet	pcs	2



CCX 4.0 control panel

PORTABLE AIR COOLERS

BC 80



BC 80

- ▼ Easy to move on wheels - ideal for rental
- ▼ Flaps can swing automatically
- ▼ No installation required - connect to water hose or refill tank and enjoy cool air
- ▼ Eco friendly: no compressor, no gas, very low energy and water consumption
- ▼ Ionizer to improve air quality- the cooler renovates and cleans the air from fumes, dust and odours
- ▼ Remote control to easily find your ideal cooling mode
- ▼ Air filters to ease maintenance

SPECIFICATIONS		BC 80
Cooling pad	dm ³	70
Air displacement	m ³ /h	8.000
Maximum area	m ²	180
Power supply	V	220
Frequency	Hz	50
Power consumption	W	330
Rated current	A	1,5
Fan speed		3
Outlet versions		front
Water consumption	l/h	8
Tank capacity	l	100
Direct water connection	inches	1/2"
Tank level control		yes
Noise	dB	62
Product size (l x w x h)	mm	500 x 850 x 1410
Box size (l x w x h)	mm	520 x 870 x 1310
Weight (without/with water)	kg	32/132
Pallet	pcs	2



PORTABLE AIR COOLERS

BC 120 AND BC 220



BC 120



BC 220



- ▼ Efficient and durable spot cooler for industrial applications
- ▼ Quiet running even at large air-flow
- ▼ Automatic swing function as a standard
- ▼ Large water tank for longer operating hours
- ▼ Large, durable wheels including brakes allow easy movement
- ▼ Connect water hose or refill tank manually to offer comfort to your employees
- ▼ Corrosion resistant plastic casing
- ▼ Air filter included what makes maintenance easy
- ▼ Remote control to easily adjust speed

SPECIFICATIONS		BC 120	BC 220
Cooling pad	dm ³	120	180
Air displacement	m ³ /h	12.000	22.000
Maximum area	m ²	150	250
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Power consumption	W	450	750
Rated current	A	2,7	4,5
Water consumption	l/h	8-10	10-15
Tank capacity	l	80	120
Direct water connection	inches	1/2"	1/2"
Tank level control		yes	yes
Product size (l x w x h)	mm	925 x 580 x 1430	1130 x 690 x 1640
Box size (l x w x h)	mm	935 x 560 x 1310	1120 x 680 x 1590
Net/gross weight	kg	45/50	59/64
Pallet	pcs	1	1



PORTABLE AIR COOLERS

BC 340



- ▼ Efficient and durable spot cooler for industrial applications
- ▼ Increase comfort, safety and productivity by choosing this large industrial cooler
- ▼ Quiet running even at large air-flow
- ▼ Adjustable speed
- ▼ Large water tank for longer operating hours
- ▼ Large, durable wheels including brakes allow easy movement
- ▼ Connect water hose or refill tank manually to offer comfort to your employees
- ▼ Corrosion resistant plastic casing
- ▼ Air filter included what makes maintenance easy
- ▼ Remote control to easily adjust speed



BC 340 (92 cm fan)

SPECIFICATIONS		BC 340
Cooling pad	dm ³	340
Air displacement	m ³ /h	30.000
Maximum area	m ²	400
Power supply	V	220-240
Frequency	Hz	50
Power consumption	W	1100
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
Product size (l x w x h)	mm	1580 x 750 x 1820
Box size (l x w x h)	mm	1600 x 780 x 1800
Net/gross weight	kg	105/115
Pallet	pcs	1



Control panel



WATER FLOW SETTING

AUTOMATIC WATER SUPPLY



PORTABLE AIR COOLERS

BLACK BOX



BCB 19



- ▼ Axial fan with option to duct the cool air
- ▼ Made of robust UV resistant plastic
- ▼ Easy to move – comfortable wheels
- ▼ Diffuser on top – upper exit LCD remote control with 7,5 m cable
- ▼ Infrared remote control
- ▼ 12-speed fan, adjustable to create ideal climate
- ▼ Long life cooling pads
- ▼ Automatic: self-cleaning, self-drain, self dry when the cooler is inactive
- ▼ External filter included to protect against dust and dirty environment
- ▼ Prevention system against Legionella, algae, fungus, etc.
- ▼ Ideal for well ventilates spaces like party tents and events
- ▼ Plug-and-play principle, connect water and enjoy cool air
- ▼ Due to mobility ideal for rental purposes
- ▼ Very low energy consumption, no extra power supply needed

SPECIFICATIONS		BCB 19
Cooling pad	dm ³	220
Cooling pad	cm	79 x 70 x 10
Air displacement	m ³ /h	18.000
Max. air pressure	Pa	200
Max. area	m ²	250
Fan type		axial
Fan speed		12
Power consumption	kW	1,1
Power supply	V	230
Frequency	Hz	50
Air exit		top
Tank capacity	l	250
Protection		IP44
Water consumption	l/h	10-15
Remote Control Integration SM 4.0		no
Noise	dB(A)	66
Water input/drain	inch	1/2" and 1"
Dimensions air exit	cm	65 x 45
Product size (l x w x h)	mm	1100 x 1100 x 1950
Box size (l x w x h)	mm	1150 x 1150 x 1150
Net weight	kg	75
Pallet	pcs	1



AIR CONDITIONERS

MOBILE TENT COOLING



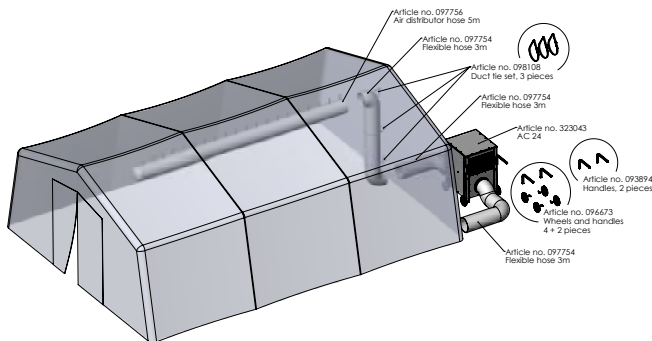
AC 24 - Ø 31 cm



AC 24



- Easy air ducting with diffusing flex tubes
- Cabinet from 0.9-2.5 mm galvanized and powder coated steel sheet
- Top finish painting is pure white, RAL 9010
- Cooling at outside temperatures up to + 55°C
- Environmentally friendly R134a refrigerant
- High/low pressure switch ensuring a long compressor lifespan
- The unit connects to the mains power supply or to a separate diesel generator via a 10 m power cable with a CEE plug
- Temperature control carried out by a room thermostat hard-wired to the air-conditioner
- Inlet and discharge openings for Ø31 cm flexible tubes
- Easy transportation by either forklift or on the four, mounted wheels (accessory)
- Setup and operation can be done by a single person
- Ductable with flex tubes or air distribution duct
- Easy air recirculation



Easy to transport



Wheels



Comfortable handles

OPTIONAL ACCESSORIES:



Flexible tubes 3 m - 097754



Air distribution duct 5 m - 097756



Lifting handles and wheel set - 096673

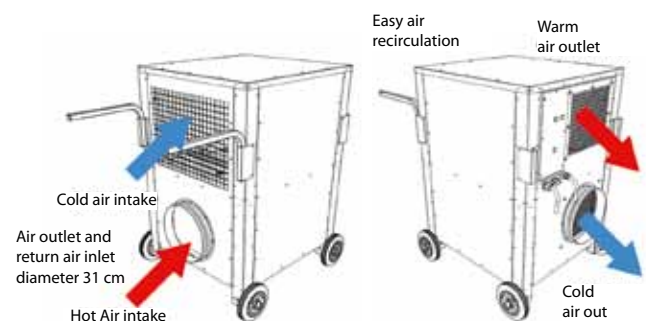


2 extra handles for 2-man lift - 093894



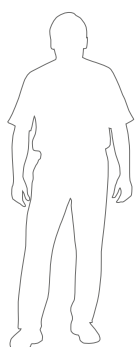
Duct-tie set, 3 pcs. - 098108

SPECIFICATIONS		AC 24
Operating temperature range, cooling	°C	20 - 55
Air flow	m³/h	2180
Refrigerant		R134a
Cooling capacity @ 49/49°C 30% RH	kW/BTU	6.0 / 20400
Power supply	V/Hz	230 / 50
Max. current	A	16
Locked rotor amperage (LRA)	A	46
Max. system pressure	bar	25
Product size (h x l x w)	mm	1110 x 919.1 x 752.3
Weight	kg	160



STATIONARY AIR COOLERS

AXIAL FAN



BCF 230AB
BCF 231AB



↓
BOTTOM (DOWN) EXIT



BCF 230AL
BCF 231AL

→ **LATERAL
EXIT**



- ✦ Axial fan
- ✦ Made of robust UV resistant plastic
- ✦ LCD remote control with 7,5 m cable
- ✦ Infrared remote control
- ✦ 12 speed fan, adjustable
- ✦ Long life cooling pads
- ✦ Automatic: self-cleaning, self-drain, self dry when the cooler is inactive
- ✦ External filter included
- ✦ Prevention system against Legionella, algae, fungi, etc.

Models
BCF 231AB, BCF 231AL,
BCF 231RB



INCLUDED IN ALL BCF STATIONARY AIR COOLERS:



**Remote LCD control
with 7,5 m cable
Infrared remote control**

SPECIFICATIONS		BCF 230AB	BCF 231AB	BCF 230AL	BCF 231AL
Cooling pad	dm ³	220	220	170	170
Cooling pad	cm	79 x 70 x 10	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	18.000
Max. air pressure	Pa	200	200	200	200
Max. area	m ²	250	250	250	250
Fan type		axial	axial	axial	axial
Fan speed		12	12	12	12
Power consumption	kW	1,1	1,1	1,1	1,1
Power supply	V	230	230	230	230
Frequency	Hz	50	50	50	50
Air exit		bottom (down)	bottom (down)	lateral	lateral
Tank capacity	l	40	40	40	40
Protection		IP 54	IP 54	IP 54	IP 54
Water consumption	l/h	10-15	10-15	10-15	10-15
Remote Control Integration SM 4.0		no	yes	no	yes
Noise	dB(A)	67	67	67	67
Water input/drain	inch	1,2" and 1"	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	65 x 65
Dimension air exit (diameter)	cm	61	61	61	61
Product size (l x w x h)	mm	1100 x 1100 x 960	1100 x 1100 x 960	1100 x 1100 x 960	1100 x 1100 x 960
Box size (l x w x h)	mm	1120 x 1120 x 1150	1120 x 1120 x 1150	1120 x 1120 x 1150	1120 x 1120 x 1150
Net weight	kg	76	76	76	76
Pallet	pcs	1	1	1	1

STATIONARY AIR COOLERS

RADIAL FAN



BCF 230RB
BCF 231RB

↓
BOTTOM (DOWN) EXIT



- ▼ Radial (centrifugal) fan for better air pressure
- ▼ Made of robust UV resistant plastic
- ▼ LCD remote control with 7,5 m cable
- ▼ Infrared remote control
- ▼ 12 speed fan, adjustable
- ▼ Long life cooling pads
- ▼ Automatic: self-cleaning, self-drain, self dry when the cooler is inactive
- ▼ External filter included
- ▼ Prevention system against Legionella, algae, fungi, etc.

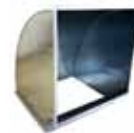
OPTIONAL ACCESSORIES FOR ALL BCF STATIONARY AIR COOLERS



Remote Control Integration SM 4.0
Controls up to 31 units BCF 231



Ventilation duct
680x650
L = 500 - **4140.490**
L = 750 - **4140.491**
L = 1000 - **4140.996**
L = 1500 - **4140.492**



Ventilation elbow
90° 650x650
R150 - **4140.997**



Diffuser
2-way outlet
(2x 600x500) - **4140.998**



Anti-vibration connector
650x650 - **4140.995**

Diffuser
4-way outlet
(4x 600x300) - **4140.999**



Radial fan

SPECIFICATIONS		BCF 230RB	BCF 231RB
Cooling pad	dm ³	220	220
Cooling pad	cm	79 x 70 x 10	79 x 70 x 10
Air displacement	m ³ /h	18.000	18.000
Max. air pressure	Pa	300	300
Max. area	m ²	250	250
Fan type		radial	radial
Fan speed		12	12
Power consumption	kW	1,5	1,5
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Air exit		bottom (down)	bottom (down)
Tank capacity	l	40	40
Protection		IP 54	IP 54
Water consumption	l/h	10-15	10-15
Remote Control Integration SM 4.0		no	yes
Noise	dB(A)	67	67
Water input/drain	inch	1,2" and 1"	1,2" and 1"
Dimensions air exit	cm	65 x 65	65 x 65
Dimension air exit (diameter)	cm	61	61
Product size (l x w x h)	mm	1100 x 1100 x 960	1100 x 1100 x 960
Box size (l x w x h)	mm	1120 x 1120 x 1150	1120 x 1120 x 1150
Net weight	kg	94	94
Pallet	pcs	1	1

REMOTE CONTROL SYSTEM FOR BCF STATIONARY AIR COOLERS

SUPERMASTER SM 4.0



YOUTUBE VIDEO



SM 4.0 start panel: protected by the password and available in 2 languages – English and Italian

- ▶ The most advanced coolers controller on the market
- ▶ It can control up to 31 units of Master BCF 231
- ▶ Easy to use centralized control panel
- ▶ All main cooler's functions can be set up via cloud on laptop or smartphone
- ▶ Very useful when coolers are difficult to reach or you need to control more than 1 unit



- ▶ It is possible to connect up to 31 units in one system.
- ▶ The application allows to make the settings for each cooler separately or for groups of coolers.
- ▶ Each cooler can have a status: off line, standby, running and fault.
- ▶ The coolers which are installed and active are checked with white frame.
- ▶ They can be grouped in smaller zones with the same settings which allows easy control
- ▶ Each zone is indicated by different colour – easy to find to which zone a specific cooler belongs.



Possible actions:

- ▶ Setting a local and target humidity and temperature
- ▶ Checking the fault code - allows to easy control the failures during operation
- ▶ Checking the water tank level
- ▶ The Ampere box shows the instant current of the cooler. It is very useful for installation and for trouble shooting.
- ▶ The settings can be made for one single cooler or for the group of coolers in the same area



At the cooler panel it is also possible to:

- ▶ Set a timer and a weekly planner
- ▶ Set the cooler's functions: to cool, to ventilate, to exhaust, to swing, to clean
- ▶ Select fan speed motor and then the airflow as well







HOW TO CHOOSE YOUR MASTER COOLER



Master Evaporative Coolers can be used in a wide variety of applications. Our cooling solutions have a lot of advantages, however, it is very important to choose the right model and an appropriate power to fulfill its purpose. Below we indicate some impressions of selecting a cooler that will suit your needs the best.

Investing in Master Climate Solutions is a smart investment, however we want you to make you the right choice to long be able to benefit from your investment.

At Master Climate Solutions we have an international team of dedicated experts. Please do not hesitate to contact us, we are pleased to assist you finding your economical, practical, durable and efficient climate control solution.

						
	CCX 4.0	BC 80	BC 120	BC 220	BC 340	BCF
APPLICATION	SUGGESTED AREA	SUGGESTED AREA	SUGGESTED AREA	SUGGESTED AREA	SUGGESTED AREA	SUGGESTED AREA
WELL-VENTILATED RESTAURANT OR BAR	60 m ²	90 m ²	NO	NO	NO	150 m ²
OUTDOOR TERRACE	60 m ²	90 m ²	150 m ²	220 m ²	300 m ²	NO
PLASTIC INDUSTRY	NO	90 m ²	150 m ²	250 m ²	330 m ²	180 m ²
GLASS INDUSTRY	NO	90 m ²	150 m ²	250 m ²	330 m ²	180 m ²
AUTOMOTIVE INDUSTRY	NO	90 m ²	150 m ²	250 m ²	330 m ²	180 m ²
PAINTING PLANT	NO	90 m ²	150 m ²	250 m ²	330 m ²	180 m ²
COMMERCIAL KITCHEN	60 m ²	80 m ²	NO	NO	NO	NO
GREENHOUSE	NO	NO	150 m ²	250 m ²	330 m ²	180 m ²
COW BARN	NO	NO	150 m ²	250 m ²	330 m ²	180 m ²
LOGISTICS CENTER	NO	NO	150 m ²	250 m ²	330 m ²	180 m ²
ASSEMBLY PLANT	NO	NO	150 m ²	250 m ²	330 m ²	180 m ²
HANGAR	NO	NO	150 m ²	250 m ²	330 m ²	180 m ²

PROFESSIONAL FANS

PLASTIC



DFX 20 (40 cm)

IP44



- ▾ Robust, plastic rotomoulded casing
- ▾ Easy to use and transport
- ▾ High air flow
- ▾ Axial fan
- ▾ 2 speeds
- ▾ The fan can be oriented in 8 different positions
- ▾ Stackable: with 2 rubber strings to lock the units one to another

OPTIONAL ACCESSORIES:



Flex tube
4031.403



DFX 20 axial fan. The fan can be oriented in 8 different positions.



DFX 20 control panel – hour counter, extra power socket, 2 speed switch.

SPECIFICATIONS		DFX 20
Air displacement	m³/h	5.430 / 6.450
Fan type		axial
Fan speed		2
Power consumption	W	195 / 285
Power supply	V	220-240
Frequency	Hz	50
Outlet diameter	cm	40
Air current		blow out
Protection		IP44
Product size (l x w x h)	mm	525 x 320 x 550
Box size (l x w x h)	mm	550 x 365 x 570
Net/gross weight	kg	12,6 / 14
Pallet	pcs	12



DFX 20 has a comfortable handle and slim design. Up to 4 units can be connected in a row and work together.



PROFESSIONAL FANS

METAL



DF 20 (50 cm)

IP44



DF 30 (75 cm)

DF 36 (90 cm)



- ▶ Adjustable air stream
- ▶ 360° rotation
- ▶ DF 20 has vertical and horizontal 360° rotation
- ▶ DF 20 can be hung on walls or ceilings
- ▶ Powder coated casing
- ▶ Each model has different types of air distribution

SPECIFICATIONS		DF 20	DF 30	DF 36
Air displacement ERP	m³/h	6.600	10.200	13.200
Fan type		axial	axial	axial
Outlet diameter	cm	50	75	90
Fan speed		3	2	2
Power consumption	W	98/100/107	280/315	392/412
Power supply	V	220-240	220-240	220-240
Frequency	Hz	50	50	50
Protection		IP44	IP44	IP20
Product size (l x w x h)	mm	690 x 200 x 675	910 x 350 x 935	1030 x 380 x 1100
Box size (l x w x h)	mm	700 x 210 x 685	935 x 365 x 955	1050 x 390 x 1110
Net/gross weight	kg	9/11,5	32/36	41/45,1
Pallet	pcs	18	6	4

PROFESSIONAL FANS

FLOOR STANDING



FS 75 (75 cm)

***available from April**



- ▼ Industrial fan
- ▼ Very stable and robust
- ▼ Made of metal
- ▼ High airflow
- ▼ Easy installation
- ▼ Chromed grill
- ▼ 1,8 m power cord
- ▼ 2 fan speeds
- ▼ Cast iron base, cross shape
- ▼ Perfect to use in public places like restaurants, bars, events and also in industry, workshops, production lines

SPECIFICATIONS		FS 75
Air displacement	m³/h	13.520
Fan type		axial
Outlet diameter	cm	75
Fan speed		2
Power consumption	W	123
Power supply	V	220-240
Frequency	Hz	50
Product size (l x w x h)	mm	800 x 665 x 1445~1610
Box size (l x w x h)	mm	835 x 185 x 1035
Net/gross weight	kg	19,5 / 26,2
Pallet	pcs	10

AIR SCRUBBER

MAS 13



MAS 13



- ▼ Improvement of the air quality
- ▼ Reduction of bad smells in the environment
- ▼ Increase of performances of nearby heaters and air conditioners
- ▼ Rotomolded plastic cover
- ▼ Frontal cap in hard rubber
- ▼ Central plastic handle
- ▼ Display with socket and warning led for filter change
- ▼ Display with knob for turning on and selecting power
- ▼ Side grill for the filtered air outlet
- ▼ HEPA filter H13
- ▼ G4 filter
- ▼ Variable speed

SPECIFICATIONS		MAS 13
Airflow	m ³ /h	1.300
Speed	RPM	2.500
Power	W	230
Rated current	A	1
Power supply	V	220-240
Frequency	Hz	50
Speed regulation		yes
Filter		G4
Filter		H13
Box size (l x w x h)	mm	620 x 380 x 580
Product size (l x w x h)	mm	600 x 365 x 565
Net/gross weight	kg	13,5 / 14,5
Pallet	pcs	16



MAS 13 are stackable

PROFESSIONAL BLOWERS

PLASTIC



BL 4800 (20 cm)
BL 6800 (30 cm)



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

BL 8800 (40 cm)



OPTIONAL ACCESSORIES:



PVC flex tubes 7,6 m

BL 4800 - Ø 21 cm - **4160.251**
BL 6800 - Ø 31 cm - **4031.406**
BL 8800 - Ø 41 cm - **4031.402**



Dust bag. Length 3,5 m

BL 4800 - **4515.540**
BL 6800 - **4515.541**
BL 8800 - **4515.542**
Dust bag filtration level - EPA 10

SPECIFICATIONS		BL 4800	BL 6800	BL 8800
Air displacement	m³/h	1.500	3.900	7.800
Max. air pressure	Pa	245	388	496
Fan type		axial	axial	axial
Fan speed		1	1	1
Power consumption	W	250	750	750
Power supply	V	220-240	220-240	220-240
Frequency	Hz	50	50	50
Outlet diameter	cm	20	30	40
Air current		blow out / suction	blow out / suction	blow out / suction
Protection		IP44	IP44	IP44
Product size (l x w x h)	mm	340 x 250 x 370	470 x 370 x 520	510 x 530 x 580
Box size (l x w x h)	mm	370 x 270 x 390	510 x 400 x 525	560 x 550 x 600
Net / gross weight	kg	7,2/7,7	14,7/15,9	19/20
Pallet	pcs	40	16	6



PROFESSIONAL BLOWERS

DUST BAG APPLICATION

Dust bags for Master professional blowers are used to clean the air. In the air filtration process, the dust bag separates the solid particles eg. dust from the stream of flowing air and stops them on the surface.

The Master dust bags are dedicated to fine dust. They can be used during light and medium construction and renovation works, such as:

- ▼ cutting walls
- ▼ polishing walls and floors
- ▼ polishing terracotta or glaze

And also in:

- ▼ workshops
- ▼ production halls with dust pollution
- ▼ warehouses

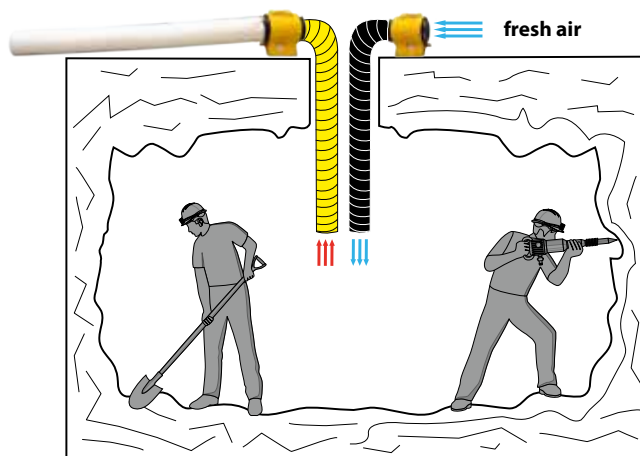
Master dust bags are made from polyester, special material for air filters.

Dust bag filtration level -Efficiency Particulate Air Filter - EPA 10 guarantees the high level of efficiency and air filtration.

Length of dust bags - 3,5 m



BL 4800, BLM 4800 - Ø 20 cm - **4515.540**
BL 6800, BLM 6800 - Ø 30 cm - **4515.541**
BL 8800 - Ø 40 cm - **4515.542**



Example: underground works – fresh air is blown in, used air is blown out and filtered.



PROFESSIONAL BLOWERS

METAL



BLM 4800 (20 cm)



BLM 6800 (30 cm)

- ▼ 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

OPTIONAL ACCESSORIES:



PVC flex tubes 7,6 m
 BLM 4800 - Ø 25 cm - **4515.559**
 BLM 6800 - Ø 34 cm - **4515.560**



Dust bag - 3,5 m length
 BLM 4800 - **4515.540**
 BLM 6800 - **4515.541**
 Dust bag filtration level - EPA 10

SPECIFICATIONS		BLM 4800	BLM 6800
Air displacement	m³/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	cm	23	32
Inlet diameter	cm	25	34
Air current		blow out / suction	blow out / suction
Protection		IP44	IP44
Product size (l x w x h)	mm	250 x 305 x 230	343 x 383 x 317
Box size (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

FLOOR DRYERS



CD 5000



CDX 20



- ▼ Flat diffuser
- ▼ Robust and durable construction
- ▼ Easy to use and transport
- ▼ Equipped with an additional socket for series connection (CD 5000)
- ▼ Stackable (CDX 20)
- ▼ Comfortable handles



CDX 20 control panel, hour counter



3 possible working positions



CDX 20 flat diffuser



CDX 20 small foot for better floor installation

SPECIFICATIONS		CD 5000	CDX 20
Air displacement	m³/h	2.640	1.270 / 1.610
Max. air pressure	Pa	500	265
Fan type		radial	centrifugal fan
Fan speed		3	2
Power consumption	W	384 / 452 / 550	161 / 179
Power supply	V	220-240	220-240
Frequency	Hz	50	50
Outlet size	cm	12 x 42	10 x 40
Air current		blow out	blow out
Protection		IP24	IP44
Product size (l x w x h)	mm	510 x 420 x 480	520 x 425 x 215
Box size (l x w x h)	mm	520 x 430 x 500	550 x 435 x 230
Net / gross weight	kg	14,2 / 15,5	7,8 / 9
Pallet	pcs	16	32

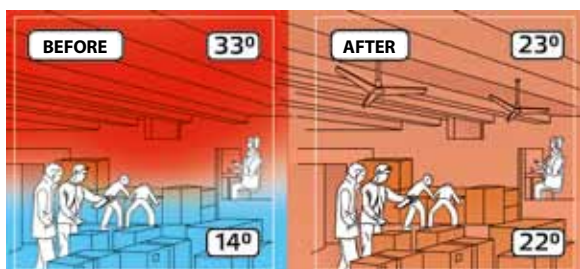
DESTRATIFIERS-VENTILATORS



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 - 4800.018
5 fans RVS 5A - 4800.019
10 fans RVS 10A - 4800.020

SPECIFICATIONS		E36202	E48202	E56002	E60002
Air displacement	m³/h	19 900	32 100	41 600	66 200
Maximum area in Destratification	m²	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	0,60
Max. Speed	rpm	325	300	290	300
Working height up to	m	4	5	12	14
Product size	mm	Ø 900 x h 600	Ø 1200 x h 600	Ø 1400 x h 600	Ø 1500 x h 650
Box size (l x w x h)	mm	660 x 250 x 250	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

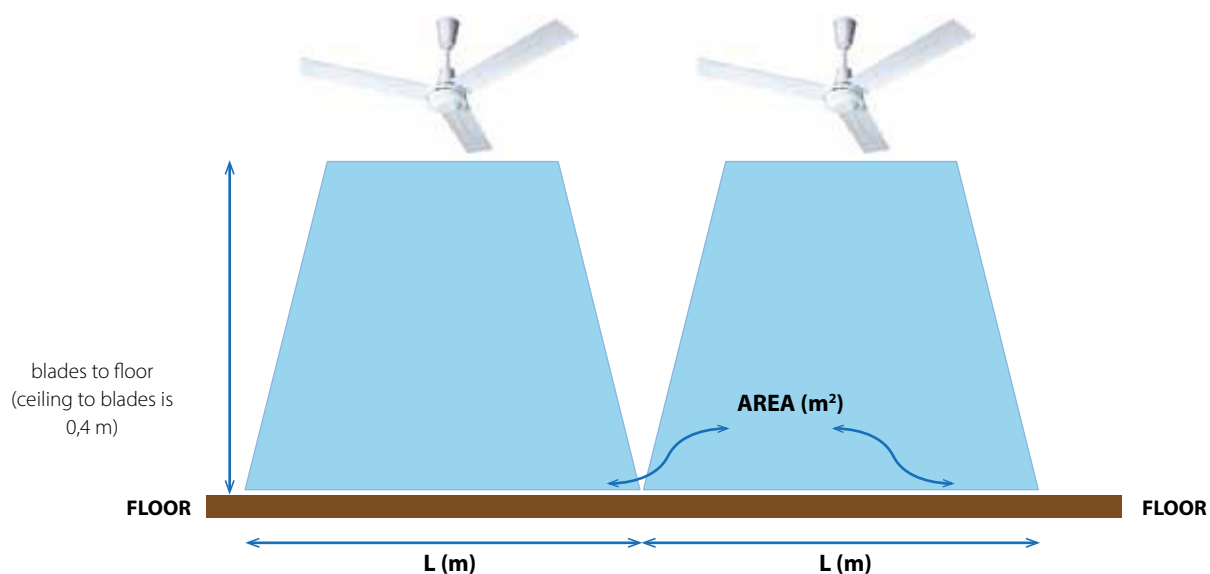


HOW TO CHOOSE YOUR DESTRATIFIER



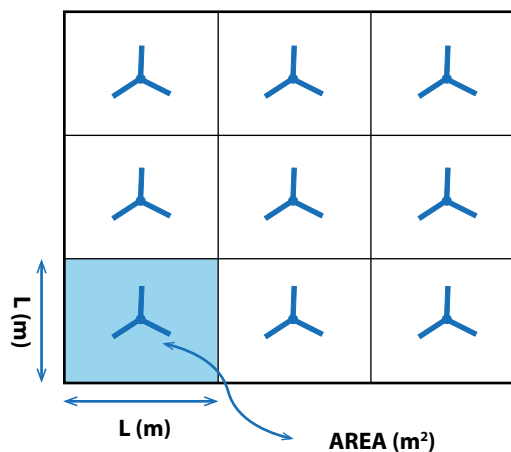
	E36202	E48202	E56002	E60002
HEIGHT (m)	L (m)	L (m)	L (m)	L (m)
3,0	10,5	12,5		
4,0	11,2	12,8	14,5	
6,0	12,5	13,5	18,5	21,5
9,0			16,5	19,5
12,0			12,5	18,1
14,0			10,5	16,5

SIDE VIEW OF AN INSTALLATION



	E36202	E48202	E56002	E60002
HEIGHT (m)	AREA (m²)	AREA (m²)	AREA (m²)	AREA (m²)
3,0	110	156		
4,0	126	165	210	
6,0	156	182	342	462
9,0			272	380
12,0			156	328
14,0			110	272

EXAMPLE OF DISTRIBUTION OF THE MASTER DESTRATIFIERS/VENTILATORS IN A FACTORY



MASTER CLIMATE SOLUTIONS IS A DANTHERM GROUP BRAND

AERIAL[®]



calorex

Dantherm[®]

MCS MASTER[®]
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● MASTER GOLDEN POINT

Master Golden Points offer the highest competence for sales and after-sale support

For further information, please contact your distributor:

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