

MCS[®]

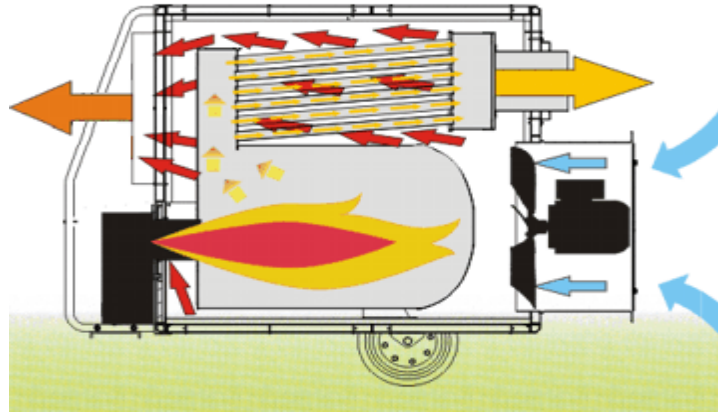
DSH1098

INDIRECT OIL HEATER

BV 470 FS (USA)



FUNCTIONING PRINCIPLES



The unit is heating air that flows through it by combustion chamber and heat exchanger. Supply fuel is burnt in combustion chamber. Flue gas goes through heat exchanger outside to the chimney. Start of the device starts off the burner. After warming up the thermostat starts the fan. Cool air is sucked by fan. After heating air is exhausted outside through outlet panel (one, two or four way). The automatic and safe thermostat (with manual reset) are responsible for safe and correct work of device. In case of too high temperature increase, automatic thermostat cut off the fuel supply to the burner. After that unit is chilled to safe temperature and then starts again. In case of critical temperature the unit is stopped by safe thermostat. Restart is only possible after chilling the unit and after manual reset the safe thermostat. Additionally the fan motor is secured by thermal relay, which protects it against overload. BV/GREEN machines can be operated optionally in heat mode and vent mode (without burner).

TECHNICAL DATA

Max capacity	kW	134	Fuel consumption	gph	3,5
	Kcal/h	115296	Air outlet	in	4 x 10
	Btu/h	457227	Fan		axial
Fuel	Diesel / Kerosene		Power supply	V	120 / 240
Net weight	lb	500	Frequency	Hz	60
Gross weight	lb	562	Rated current	A	9,5
Noise level	dB(A)	77	Air flow	cfm	4710

PACKING

Dimensions packing	in	82 x 30 x 48
Dimensions utilization	in	88 x 35 x 49
Pieces for Europallet	n°	1
Pieces per truck 80m ³	n°	44

COMPONENTS

Burner	Riello 40 F20
Nozzle	3.5 GPH 60° DELAVAN type W
Igniter	electrodes
Fuel filter	100 µm, pre-heater 100W
Motor	asynchronous, three-phase, 1750 g/1'
Fan	Ø19,6 in / 27° 6-blades
Room thermostat	predisposed for connection to room thermostat

ACCESSORIES

Room thermostat	thermostat TH5
Tank	37 gal
Air distribution hoses	flexible hoses 25 ft
Turning wheel	metal-rubber wheel with brake, diameter 5 in
Twin bends	inlet Ø23,6 in, outlet 2x Ø15,7 in
One way air-outlet panel	Ø23,6 in
Other	fuel scoop, transport guides

WIRING DIAGRAM

