

MULTIHEAT INTERNATIONAL HOT WATER HEATER

The Multiheat HW unit consists of a high efficiency heat exchanger, axial fan and a unique designed distribution device.



Hot water is supplied from an external boiler and passes the heat exchanger. The fan sucks the air from inside the building through the heat exchanger and pushes the warm air equally through the 6 air outlets in a horizontal flow over the birds. The amount of air and the directions can be adjusted by the optional flaps inside each air inlet. Hang the unit in the middle of the house to obtain ideal distribution to all corners in the building

Advantages

- No CO2 production
- Perfect distribution of the heat ($\leq 33^{\circ}\text{F}$)
- Dry litter, less leg problems
- Reduction of Ammonia
- Less energy costs
- Nonhazardous, no open flame
- Improvement of animal health
- Less ventilation needed
- Easy cleaning
- Durable ABS material
- Available up to 375000 Btu
- Possible to use as a cooler

OPTIONAL ADJUSTABLE FLAPS

The body of the unit is made of durable ABS high heat resistant material. The 6 air outlets are designed in such a way that air is optimally distributed, and optional built in stainless steel flaps can be adjusted to influence the throw or to even



PART #	DESCRIPTION
E68-8770	MULTIHEAT 40/70 HOT WATER HEATER
E68-8795	MULTIHEAT 60/95 HOT WATER HEATER
E68-8720	DN25x2000mm HOSE W/FEMALE CONNECTOR
E68-8722	DN25x3000mm HOSE W/FEMALE CONNECTOR
E68-8724	DN32x2000mm HOSE W/FEMALE CONNECTOR
E68-8726	DN32x3000mm HOSE W/FEMALE CONNECTOR

**OPTIONAL HANGING
 HARDWARE TO
 FOLLOW**

Technical specifications Multiheat heaters

(All types also available in 3 phase)

		Multiheat 40/70	Multiheat 60/95
Air displacement		4700 cfm	6.120 cfm
Fan		230V /2,9A 610 W / 1400 rpm	230V / 3.0A / 1 phase 630 W / 900 rpm / 60 Hz
Measurements L x W x H		32"x 32"x 37"	44"x 42"x 37"
Water connection		G 1"	G 5/4"
Weight incl. water		112 lb	190 lb
		Ambient temp. at:	
Performance at 194°F supply water temperature, and 158°F return water temperature	68°F	239000 Btu - 13.6 gpm 133"WC	317409 Btu-18.5 gpm 141"WC
	86°F	194000 Btu -11.0 gpm 92"WC	262801 Btu-15.0 gpm 96"WC
	95°F	174000 Btu - 9.7 gpm 76"WC	232084 Btu-13.2 gpm 80"WC
Performance at 176°F supply water temperature, and 149°F return water temperature	68°F	208140 Btu -15.9 gpm 180"WC	280000 Btu-21.1 gpm 189"WC
	86°F	157000 Btu -12.8 gpm 121"WC	221845 Btu-17.2 gpm 124"WC
	95°F	147000 Btu -11.0 gpm 96"WC	194541 Btu-15.0 gpm 96"WC

A simple click system makes it easy to clean the unit without dismantling. No high pressure cleaner is needed, just a normal water flow.

High efficiency fans are available in 1-phase or 3-phase versions and are controllable by means of frequency drives.

As no CO2 or humidity is produced by the heaters and no oxygen is needed for burning, the ventilation rate is considerable lower. Most of the time there is no minimum ventilation needed during the first 5 days of life, which significantly decreases the energy costs.

Cooling

Especially during hot weather periods, the units can be used in the oppsite way for cooling. Cold water cools down the air temperature.

