

FREEDOM HEAT & HOT WATER SYSTEM

For Outdoor Applications When Space Is A Premium



The System 2000 Freedom boiler is an all-weather, free-standing outdoor unit. This design provides an excellent option when typical venting is not available. It is also advantageous for applications where there is

not enough space in the home to allow for traditional heating equipment. The Freedom unit allows homeowners to utilize space around the home, creating more usable space within the home.

Energy Kinetics Freedom 2000 not only heats your home and domestic hot water, but is also ideal for use as a pool heater or hot water source for hot tubs and spas. Extremely efficient, whisper quiet operation combined with the ability to produce a near endless supply of hot water makes Freedom 2000 the perfect choice for all your home heat applications.

A waterproof casing and compact design are just two of the many features which make The Freedom boiler an attractive option for a variety of applications.

The Freedom model is virtually the same System 2000 unit that has provided homeowners with clean, quiet, safe and extremely efficient operation in the production of heat and hot water since 1979. The unit is available for use with fuel oil, natural gas or propane energy sources. Standard controls and hot water making methods make the Freedom boiler easy to install, service and maintain.



FREEDOM 2000

Heats Your Home, Heats Your Pool



In addition to heating pools, hot tubs or spas, the versatile Freedom 2000 allows space heating for the home with radiant heat in barefoot areas, hydro-air to combine heat with air conditioning, heat pump backup as well as traditional baseboard heat. When interior space is at a premium, choose Freedom 2000 to provide consistency and comfort.

SPECIFICATIONS

EK-1 Oil Heat		EK-1 Natural Gas	
Gross output BTU/HR		100,500 to 119,500	
104,000 to 121,000			
Input		BTU/HR	
.85 gph	1.0 gph	120,000	144,000
Combustion efficiency			
87%	86%	84%	83%
AFUE			
86.5%	85.2%	83%	82%

Energy Converter:	Weight: Only 250 pounds	Dimensions: 24 $\frac{1}{2}$ " x 26 $\frac{1}{2}$ " x 17 $\frac{1}{2}$ "
Hot Water Tank:	Weight (lbs): 115	Dimensions: 20" x 50"
Domestic Hot Water:	175 gallons of 140° water first hour draw. 135 gallons per hour of continuous 140° water (50° source).	
System Weight:	450 pounds	
Hot Water Costs:	\$9-\$12 per month typical (less than 1/4 the cost of an electric hot water tank).	
Pool Heating:	Pool heating costs vary dependent on pool size, length of season, pool temperature and other factors.	

POOL TEMPERATURE RISE - 24 HOURS

POOL SIZE (gallons)	OIL HEAT (BTU/hr)		NATURAL GAS (BTU/hr)	
	104,000	121,000	100,500	119,500
10,000	27	32	26	31
20,000	13	16	13	16
30,000	9	11	9	10
35,000	8	9	7	9
40,000	7	8	6	8

Assumes minimal pool heat loss.

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