

HEATING SYSTEMS

AUTOMATED PRODUCTION SYSTEMS



Maintaining a consistent warm climate promotes a healthy, comfortable, and more productive environment. AP offers heaters for a variety of applications including swine, poultry, dairy, and horticulture.

cost saving
reliable heating



SUPER-SAVER XL

AP and Hired-Hand have teamed up to bring you the Super Saver XL, the next generation of high efficiency, direct fired heaters. Super on performance and fuel savings make Super Saver XL a favorite for a wide range of heating needs.



ENERGY EFFICIENT

In today's energy conscious environment, the best sellers are the fuel savers. AP's Hog Hearth heat mats for example operate on 70 to 130 watts compared to conventional heat lamps which consume up to 250 watts. That's money in the bank.



PROVEN VALUE

When it comes to value, AP is committed to bringing you the very best in product craftsmanship, reliability, and industry best performance. We think you'll agree our heating equipment fits the bill.



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SUPER-SAVER XL FEATURES & BENEFITS

- 250,000 BTU pilot light model features manual modulating valve (150,000 – 250,000 BTU's)
- Hot surface & direct spark models available in 40,000 to 250,000 BTU
- High temp aluminized steel burn chamber
- Side swing door for easy access and maintenance
- Diagnostic lights for troubleshooting ease
- Standard adjustable "Y" heat deflector
- 1/3 HP totally enclosed thermally protected motor with sealed bearings
- 1/10 HP on all 40,000 – 75,000 BTU models
- Standard 1/2" gas cock installed at gas valve
- Back-up safety sail switch
- High limit safety switch (manual reset)
- On/Off toggle switch
- Available in 120 & 240 volt models
- Stainless steel, high altitude & CE certified models available
- Service-Saver enclosed control box



All Super-Saver heaters are available in natural gas or liquid propane models and feature a heavy-duty construction for years of dependable service.



CONTROL FEATURES ▲

The "Service-Saver" enclosed electrical control unit is sealed from debris such as dust and moisture and is accessible through a side swinging door making the unit easily field serviceable by the grower.



EASY ACCESS DOOR ▲

The side swinging door design gives easy access to internal components like the "Super-Saver" control unit and blower motor, making it one of the easiest to service heaters on the market.



PILOT LIGHT MANUAL MODULATING VALVE ▲

The manual modulating valve allows the pilot heater to be adjusted from 150,000 to 250,000 BTU's to efficiently maintain appropriate ambient temperature.

SUPER-SAVER XL SPECIFICATIONS

Model#	Maximum Input	Ventilation	Voltage	Amps
SS-40-XL	40,000 BTUH (11.7kWh)	500 CFM (849.5 m ³ /hr)	120 Volts	2.5 Amps
SS-75-XL	75,000 BTUH (21.9kWh)	500 CFM (849.5 m ³ /hr)	120 Volts	2.5 Amps
HH-SS-120-XL	120,000 BTUH (35.2kWh)	1000 CFM (1699 m ³ /hr)	120 Volts	4.8 Amps
HH-SS-175-XL	175,000 BTUH (36.6kWh)	1000 CFM (1699 m ³ /hr)	120 Volts	4.8 Amps
HH-SS-200-XL	200,000 BTUH (58.6kWh)	1000 CFM (1699 m ³ /hr)	120 Volts	4.8 Amps
HH-SS-225-XL	225,000 BTUH (65.9kWh)	1000 CFM (1699 m ³ /hr)	120 Volts	4.8 Amps
HH-SS-250-XL	250,000 BTUH (73.3kWh)	1200 CFM (2039 m ³ /hr)	120 Volts	6.0 Amps

LP/Propane Gas

Maximum 14 in. W.C. (34.8 mbar) and minimum 12.5 in. W.C. (31.1 mbar) inlet gas supply pressure acceptable at gas regulator connection. Burner manifold pressure 11 in. W.C. (27.4 mbar) at maximum input. Gas pressure should be checked by a certified gas technician while heater is in operation.

Natural Gas

Maximum 14 in. W.C. (34.8 mbar) and minimum 5 in. W.C. (12.5 mbar) inlet gas supply pressure acceptable at gas regulator connection. Burner manifold pressure of 3.5 in. W.C. (8.7 mbar) at maximum input. Gas pressure should be checked by a certified gas technician while heater is in operation.

HEATER DIMENSIONS

Model#	Weight	Height	Width	Depth
40K & 75K BTU	70 lbs. (31.7 kg.)	26 in. (66 cm)	20.5 in. (52 cm)	15.5 in. (39 cm)
120K to 225K BTU ISM	135 lbs. (61.2 kg.)	31 in. (79 cm)	24.5 in. (62 cm)	19.25 in. (49 cm)
120K to 225K BTU OSM	137 lbs. (62.1 kg.)	32 in. (81 cm)	32.5 in. (83 cm)	19.25 in. (49 cm)
250K BTU Universal Mount	153 lbs. (69.4 kg.)	32 in. (81 cm)	27.5 in. (70 cm)	19.25 in. (49 cm)



The inside mount model is a gas circulating heater ideal for a confinement environment.



The outside mount model is a forced air heater complete with all relevant installation hardware.



AP offers a full line of equipment and accessories to complement your heating system.

See your AP representative for more information on other environmental control systems from AP.

Your Source for Innovative Solutions.

Super-Saver XL Minimum Clearances

Ceiling	12" (305mm)
Wall	12" (305 mm)
Floor	20" (508 mm)

The heater must be located a minimum of 12 inches (305 mm) from the ceiling, a minimum of 12 inches (305 mm) from the wall on the sides and back, a minimum of 20 inches (508 mm) from the ground, and positioned such that livestock and combustible materials are unable to come in contact with the heater or within 10 feet (3 meters) of the hot air discharge.



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The Hog Hearth sealed mat, constructed of highly insulated, fiberglass reinforced plastic is stationary for your convenience and makes pressure washing easy.

HOG HEARTH HEAT MATS

The master sensor unit heat mat is designed to give the controller and actual input of the heat mat surface temperature. All other Hog Hearth system heat mats in the room will be temperature controlled by the MSU. No other heat mat has ever been designed to give this high degree of temperature control to the producer.



TC4-1VHB Controller

HOG HEARTH SPECIFICATIONS

Model#	2'x4' Hog Hearth Heat Mats	Lbs.	Kg.
AP-1011	2' x 4' Heat Mat, 115V, 130 Watt, Bottom Connect	20.00	9.07
AP-1012	2' x 4' Heat Mat, 208V, 130 Watt, Bottom Connect	20.00	9.07
AP-1164	2' x 4' Heat Mat, 220V, 130 Watt, Bottom Connect	20.00	9.07
AP-1165	2' x 4' Heat Mat, 230V, 130 Watt, Bottom Connect	20.00	9.07
AP-1013	2' x 4' Heat Mat, 240V, 130 Watt, Bottom Connect	20.00	9.07
AP-1014	2' x 4' Heat Mat, 115V, 130 Watt, Top Connect	20.00	9.07
AP-1015	2' x 4' Heat Mat, 208V, 130 Watt, Top Connect	20.00	9.07
AP-1167	2' x 4' Heat Mat, 220V, 130 Watt, Top Connect	20.00	9.07
AP-1168	2' x 4' Heat Mat, 230V, 130 Watt, Top Connect	20.00	9.07
AP-1016	2' x 4' Heat Mat, 240V, 130 Watt, Top Connect	20.00	9.07

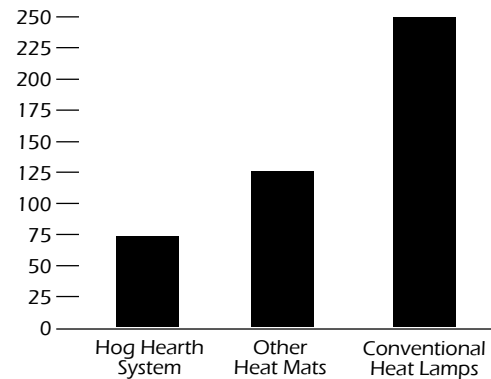
Model#	1'x4' Hog Hearth Heat Mats	Lbs.	Kg.
AP-2006	1' x 4' Heat Mat, 115V, 70 Watt, Bottom Connect	10.00	4.54
AP-2007	1' x 4' Heat Mat, 208V, 70 Watt, Bottom Connect	10.00	4.54
AP-2008	1' x 4' Heat Mat, 220V, 70 Watt, Bottom Connect	10.00	4.54
AP-2010	1' x 4' Heat Mat, 240V, 70 Watt, Bottom Connect	10.00	4.54
AP-2001	1' x 4' Heat Mat, 115V, 70 Watt, Top Connect	10.00	4.54
AP-2002	1' x 4' Heat Mat, 208V, 70 Watt, Top Connect	10.00	4.54
AP-2003	1' x 4' Heat Mat, 220V, 70 Watt, Top Connect	10.00	4.54
AP-2004	1' x 4' Heat Mat, 230V, 70 Watt, Top Connect	10.00	4.54
AP-2005	1' x 4' Heat Mat, 240V, 70 Watt, Top Connect	10.00	4.54

Model#	Hog Hearth Master Control Heat Mat	Lbs.	Kg.
AP-2016	2' x 4' Master Mat, 120V, Bottom Connect	20.00	9.07
AP-2017	2' x 4' Master Mat, 208V, Bottom Connect	20.00	9.07
AP-2018	2' x 4' Master Mat, 220V, Bottom Connect	20.00	9.07
AP-2011	2' x 4' Master Mat, 120V, Top Connect	20.00	9.07
AP-2013	2' x 4' Master Mat, 208V, Top Connect	20.00	9.07
AP-2015	2' x 4' Master Mat, 220V, Top Connect	20.00	9.07

HEAT MAT CONTROLLER

The Hog Hearth controller reacts to the temperature input provided by the Mat Sensor Unit to maintain a consistent mat surface temperature.

Size	Maximum Number of Heating Pads TC4-1VHB or MPV Controllers					
	115V	200V	208V	220V	230V	240V
1' x 4'	16	31	32	34	35	37
2' x 2'	16	31	32	34	35	37
2' x 4'	8	15	16	16	17	18



With AP's Hog Hearth System, energy costs are greatly reduced.



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10/12 AP-58

For more information on AP's many products and services, contact your local AP representative or visit us online at:

www.automatedproduction.com