



**WACKER
NEUSON**



**WACKER
NEUSON**

CLIMATE CONTROL PRODUCT GUIDE



0985822
Climate Control Product Guide
3/08-25M

CURE • THAW • PREVENT FROST • AIR HEAT • DRY



TABLE OF CONTENTS

2

GROUND HEATERS™

HEATING AND DRYING

Ground Heaters is a brand of climate control products from Wacker Corporation, a subsidiary of Wacker Construction Equipment AG (Munich, Germany), and is sold and rented by a network of dealers and supported by a team of factory trained sales and service personnel.

With over 15 years of experience in climate control, Ground Heaters products lead the industry with superior quality and support. Our portable and user-friendly products make for easier setups and lower labor costs, and help maintain project schedules.

With products in use by commercial and industrial construction companies, highway bridge builders, utilities, municipalities and residential contractors to cure concrete in cold weather, thaw frozen ground quickly and safely and heat and dry enclosed workspaces, Ground Heaters are involved with all aspects of climate control.

Get the reliability and performance you demand. Years of product development and listening to customers' needs have resulted in equipment you can count on – job after job.

3

PRODUCT INDEX	PAGE
Hydronic Heat:	
E1100	4-5
E2200	6-7
S3000	8-9
E3000	10-11
CH 5000	12-13
Pureheat	14-15
Air Heat:	
Arctic Cub 200 and 300	16-17
Arctic Cub 400 and 700	18-19
Arctic Bear HD	20-21
Arctic Bear XHD	22-23
Drying:	
Dryvex R55 and R110	24
Dryvex AM3000	25
Dryvex MC5200	26-27
Accessories:	
Hydronic Surface Heaters	28-31
Hydronic Air Heaters	32-35
Air Heat / Dehumidifiers	36-39

Note: Specifications may change due to continuous product development.



E1100

HYDRONIC HEAT



E1100 HYDRONIC GROUND HEATER

The Hydronic Ground Heater product line is designed to quickly, easily and economically thaw frozen ground, cure concrete, prevent frost and provide temporary air heat during cold weather conditions. The E1100 thaws up to 2,200 sq. ft. of frozen ground at a rate of one-foot-deep per day. It will set, finish and cure 2,200 sq. ft. of concrete and up to 6,600 sq. ft. with accessories.

PERFORMANCE		E1100
Heater, gross output	Btu/h	126,000
Heater, net output	Btu/h	110,000
Heater efficiency	%	87
Temperature controller		digital
Fuel consumption at full load	gph	90/.87
Fuel requirement		winter blend diesel
Run time	h	up to 115
Electrical requirement		1 x 20 amps x 120V AC
Normal operating temp	°F	100 - 180
Normal hose operating pressure	psi	70 - 90
HTF flow rate per loop	gph	265
Thawing capacity with accessories	sq ft	1,100 - 2,200 2,200 - 3,300
Curing capacity with accessories	sq ft	2,200 up to 6,000
Frost prevention with accessories	sq ft	up to 3,300 up to 9,900
Air heat capacity with accessories	cu ft	180,000
Performance monitoring light		yes

DIMENSIONS AND CAPACITIES		E1100
Length - hitch extended	in	114
Length - hitch folded	in	88
Width	in	65
Height	in	61
Ground clearance	in	10
Approximate. weight w/o fuel	lbs	1,992
Approximate. weight with fuel	lbs	2,456
Fuel capacity	gal	72
Heat transfer fluid	gal	50
Pump		1 - 265 gph positive displacement
Hose	ft	1,100
Hose reel		1
Hose rewind		120V AC, w/ 12V DC clutch
Circulation loop		1
Tires		ST185/80D13
Hitch		2" ball
Lifting bar		yes
Fork lift pockets		both sides and rear

ADDITIONAL INFORMATION		E1100
Tie downs (for transport)		5
Ground fault interrupt		yes
Main circuit breaker		1
Burner motor thermal protection		auto reset
Burner ignition		electronic
High temperature shutdown		yes
No-flame shutdown		yes
Low fluid shutdown/warning light		yes
Vented closed loop circulation		yes
Hydronic heater operating pressure		0 psi
Temperature gauges		1
Pressure gauges		1

All Ground Heaters are certified and complies with US NHTSA and Transport Canada regulations.



E2200

HYDRONIC HEAT

6



E2200 HYDRONIC GROUND HEATER

The Hydronic Ground Heater product line is engineered for reliable, trouble free starts in even the coldest weather conditions. The E2200 will thaw up to 4,400 sq. ft. of frozen ground. This unit can also heat up to 4,400 sq. ft. of ground, indoors or out, to prepare for concrete placement, to prevent frost penetration or to ensure proper concrete curing. With accessories the unit will provide 360,000 cu. ft. of dry heat.

PERFORMANCE		E2200
Heater, gross output*	Btu/h	252,000
Heater, net output	Btu/h	220,000
Heater efficiency	%	87
Temperature controller		digital
Fuel consumption at full load	gph	1.80 / 2.20
Fuel requirement		winter blend diesel
Run time	h	up to 130
Electrical requirement**		2 x 20 amp x 120V AC
Normal operating temp	°F	100 - 180
Normal hose operating pressure	psi	70 - 90
HTF flow rate per loop	gph	265
Thawing capacity with accessories	sq ft	2,200 - 4,400 up to 4,400
Curing capacity with accessories	sq ft	4,400 up to 13,200
Frost prevention with accessories	sq ft	up to 6,600 up to 19,800
Air heat capacity	cu ft	360,000
Performance monitoring light		yes

* At or below 5,000 ft ASL

** When not using on-board generator

7

DIMENSIONS AND CAPACITIES		E2200	
Length - hitch extended	in	169	
Width	in	72	
Height	in	88	
Ground clearance	in	12	
Approximate weight	without fuel	lbs	4,715
	with fuel	lbs	5,772
		without generator	with generator
		5,240	6,197
Fuel capacity	gal	150	
Heat transfer fluid	gal	95	
Pump		2 - 265 gph positive displacement	
Hose	ft	2,200	
Hose reel		1	
Hose rewind		120V AC, w/ 12V DC clutch	
Circulation loop		2	
Tires		ST235/80R16	
Hitch		2" ball	
Lifting bar		yes	
Fork lift pockets		both sides and rear	

ADDITIONAL INFORMATION		E2200
Brakes		12V DC electric
Tie downs (for transport)		4
Ground fault interrupt		yes
Main circuit breaker		2
Burner motor thermal protection		manual reset
Burner ignition		electronic
High temperature shutdown		yes
No-flame shutdown		yes
Low fluid shutdown/warning light		yes
Vented closed loop circulation		yes
Hydronic heater operating pressure		0 psi
Temperature gauges		5
Pressure gauges		2
Interior light		1 - 120V AC

The E2200 Ground Heater is certified and complies with US NHTSA and Transport Canada regulations.



S3000

HYDRONIC HEAT

8



9

S3000 HYDRONIC GROUND HEATER

The Hydronic Ground Heater product line is built Tundra Tough™. The S3000 will thaw up to 4,500 sq. ft. of frozen ground and cure up to 6,000 sq. ft. of ground with standard equipment. With accessories, the unit will provide 120,000 cu. ft. of dry heat.

PERFORMANCE		S3000
Heater, gross output*	Btu/h	280,000
Heater, net output	Btu/h	240,000
Heater efficiency	%	84
Temperature controller		digital
Fuel consumption at full load	gph	2.00 / 2.40
Fuel requirement		winter blend diesel
Run time	hours	up to 120
Electrical requirement**		2 x 20 amp x 120V AC
Normal operating temp	°F	165 - 180°
Normal hose operating pressure	psi	70 - 110
HTF flow rate per loop	gph	265
Thawing capacity	sq ft	3,000 - 4,500
Curing capacity	sq ft	6,000
Air heat capacity with accessories	cu ft	120,000
Frost prevention	sq ft	9,000

* At or below 5,000 ft ASL

** When not using on-board generator

DIMENSIONS AND CAPACITIES		S3000	
Length - hitch extended	in	171	
Width	in	79	
Height	in	85	
Ground clearance	in	12	
Approximate weight	without fuel	lbs	5,330
	with fuel	lbs	6,614
Fuel capacity	without generator	gal	178
	with generator	gal	112
Heat transfer fluid	gal	112	
Pumps		2 - 265 gph positive displacement	
Hose	ft	3,000	
Hose reel		1	
Hose rewind		120V AC, w/ 12V DC clutch	
Circulation loop		2	
Tires		LT235/85R16	
Hitch		2-5/16" ball	
Lifting bar		yes	
Fork lift pockets		both sides and rear	

ADDITIONAL INFORMATION		S3000
Brakes		12V DC electric
Tie downs (for transport)		4
Ground fault interrupt		yes
Main circuit breakers		2
Burner motor thermal protection		manual reset
Burner ignition		electronic
High temperature shutdown		yes
No-flame shutdown		yes
Low fluid shutdown/warning light		yes
Vented closed loop circulation		yes
Hydronic heater operating pressure		0 psi
Temperature gauges		2
Pressure gauges		2
Interior light		2 - 120V AC



E3000

HYDRONIC HEAT

10



11

E3000 HYDRONIC GROUND HEATER

The Hydronic Ground Heater product line is easy to operate and dependable. The E3000 will provide maximum flow and ensure consistent heat delivery for thawing and curing. One pump per hose loop means more Btu's/h delivered to project than other hydronic heaters. The unit thaws or cures up to 6,000 sq. ft. and with accessories the unit will cure up to 18,000 sq. ft. or provide 535,000 cu. ft. of dry heat.

PERFORMANCE		E3000
Heater, gross output*	Btu/h	385,000
Heater, net output	Btu/h	321,000
Heater efficiency	%	83
Temperature controller		digital
Fuel consumption at full load	gph	2.75 / 3.17
Fuel requirement		winter blend diesel
Run time	hours	up to 140
Electrical requirement**		2 x 20 amp x 120V AC
Normal operating temp	°F	100 - 180
Normal hose operating pressure	psi	90 - 110
HTF flow rate per loop	gph	265
Thawing capacity with accessories	sq ft	3,000 - 6,000 up to 6,000
Curing capacity with accessories	sq ft	6,000 up to 18,000
Frost prevention with accessories	sq ft	up to 9,000 up to 27,000
Air heat capacity with accessories	cu ft	535,000
Performance monitoring light		yes

* At or below 5,000 ft ASL

** When not using on-board generator

DIMENSIONS AND CAPACITIES		E3000	
Length - hitch extended	in	181	
Width	in	91	
Height	in	94	
Ground clearance	in	12	
Approximate weight	without fuel	without generator	with generator
	with fuel	5,580 lbs	6,105 lbs
Fuel capacity	gal	230	
Heat transfer fluid	gal	115	
Pumps		2 - 265 gph positive displacement	
Hose	ft	3,000	
Hose reels		2	
Hose rewind		120V AC, w/ 12V DC clutch	
Circulation loops		2	
Tires		ST215/75D14	
Hitch		2-5/16" ball	

ADDITIONAL INFORMATION		E3000
Brakes		12V DC electric
Tie downs (for transport)		4
Ground fault interrupt		yes
Main circuit breakers		2
Burner motor thermal protection		manual reset
Burner ignition		electronic
High temperature shutdown		yes
No-flame shutdown		yes
Low fluid shutdown/warning light		yes
Vented closed loop circulation		yes
Hydronic heater operating pressure		0 psi
Temperature gauges		5
Pressure gauges		2
Interior light		1 - 120V AC



CH5000



12



13

HYDRONIC HEAT

CH5000 HYDRONIC CROSS HEATER™

This new breed of Hydronic Ground Heaters allows maximum job site flexibility. The unit thaws or cures up to 10,000 sq. ft. With just a few accessories you can cut your thaw time in half, increasing your curing sq. ft. to 30,000, prevent frost up to 45,000 sq. ft., and provide clean dry air up to 735,000 cu. ft. Multiple accessories can be added without the addition of an auxiliary pump.

PERFORMANCE		CH5000
Fuel options		propane, diesel, or natural gas
Heater, gross output*	Btu/h	550,000
Heater, net output	Btu/h	440,000
Heater efficiency	%	83
Temperature controller		digital
Fuel consumption at full load	gph	3.93 / 4.53
Fuel requirement		winter blend diesel
Run time	hours	up to 100
Electrical requirement		1 x 230v, 50 amp, 1ph 1 x 115v, 15 amp
Normal operating temp	°F	165 - 180
Normal hose operating pressure	psi	125
Thawing capacity	sq ft	10,000
Curing capacity with accessories	sq ft	10,000 up to 30,000
Frost prevention with accessories	sq ft	up to 15,000 up to 45,000

* At or below 5,000 ft ASL

DIMENSIONS AND CAPACITIES	CH5000	
Length	in	189
Width	in	98
Height	in	95
Approximate weight	without fuel	8,925 lbs
	with fuel	10,700 lbs
Fuel capacity	gal	250
Heat transfer fluid	gal	210
Pump		1 - 3000 gph positive displacement
Hose	ft	5,000
Hose reels		2

ADDITIONAL INFORMATION	CH5000
Brakes	12V DC electric
Tie downs (for transport)	4
Ground fault interrupt	yes
Main circuit breakers	2
Burner motor thermal protection	manual reset
Burner ignition	electronic
High temperature shutdown	yes
No-flame shutdown	yes
Low fluid shutdown/warning light	yes
Vented closed loop circulation	yes



Pureheat™

HYDRONIC HEAT

14



HYDRONIC AIR HEATER

The Pureheat™ Hydronic Air Heater provides safe, clean, dry heat for your work environment. The unit produces 860,000 Btu/h and saves up to 50% of the fuel over traditional methods. The fuel flexible heater allows the use of diesel, natural gas or propane. The versatile unit can also be used to cure concrete, thaw frozen ground and prevent frost.

PERFORMANCE		PUREHEAT™
Fuel options		propane, diesel or natural gas
Fuel, input	Btu/h	860,000
Fuel, output	Btu/h	714,000
Run time (at full load)		up to 71 hours*
Heater efficiency	%	83
Temperature controller		digital
Fuel consumption at full load		
Propane	gph	9.4
Natural gas	CFH	860
Diesel	gph	6.1
Exhaust		
Propane	CFM	136.8
Natural gas	CFM	164.5
Diesel	CFM	137.2
Electrical requirement		15 amp, 120V AC
Normal operating temp	°F	100 - 180
HTF flow rate (per loop)	gph	2,700
Thawing capacity with accessories	sq ft	up to 18,000
Curing capacity with accessories	sq ft	up to 30,000
Frost prevention with accessories	sq ft	up to 45,000

* with optional fuel tank

15

DIMENSIONS AND CAPACITIES		PUREHEAT™
Length	in	172
Width	in	93
Height	in	93
Ground clearance	in	9
Approximate weight without fuel	lbs	7,155*
with fuel	lbs	11,230*
Fuel capacities	gal	175 or 435*
Heat transfer fluid	gal	145
Pump		1 - 1.5 hp centrifugal
Hose 1,000 ft (total)	ft	8 x 100, 4 x 50
Hose reels		1
Hose rewind		120V AC, with 12V DC clutch
Circulation loops		up to 20
Tires		LT235/85R16
Hitch		pinite
Loading ramp		1
On-board manifolds (supply/return)		1
Lifting bar		standard
HX-Series Heat Xchangers (choose one set)		
HX50 (50,000 Btu/h, 710 cfm)	qty	16
HX100 (100,000 Btu/h, 1,315 cfm)	qty	8
HX200 (200,000 Btu/h, 2,400 cfm)	qty	4

ADDITIONAL INFORMATION		PUREHEAT™
Brakes		12V DC electric
Ground fault interrupt		yes
Main circuit breakers		2
High temperature shutdown		yes
No-flame shutdown		yes
Low fluid shutdown/warning light		yes
Vented closed loop circulation		yes
Hydronic heater operating pressure	psi	0
Temperature gauges		1
Pressure gauges		1
Interior light		1 - 120V AC



Cub 200



16

ARCTIC BEAR CUB™

The Arctic Bear Cub™ 200 and 300 are versatile light duty air heaters. They can handle various heating and drying applications with 144,000 to 242,000 BTU's/H at 200° outlet temperature.

SPECIFICATIONS		ARCTIC BEAR CUB™ 200
Length	in	55
Width	in	24
Height	in	31
Weight	lbs	185
Fuel capacity	gal	26.42
Electrical requirement		120v, 15a, 1ph
Air outlet diameter options	in	1 x 12
Stack Diameter	in	6
HEATER:		
Sizing-Air Heat	cu ft	240,000
Sizing-Drying	cu ft	103,200
Fuel input	Btu/h	180,000
Burner ignition		electric
Heat output	Btu/h	144,000
Heater efficiency	%	80
Firebox		100% stainless steel
Heat exchanger		100% stainless steel
Air output temperature	°F	200
Fuel consumption: Diesel	gph	1.28
BLOWER:		
Type		1/2 HP, axial
CFM		1720*
Static pressure (in. wc)		0.5

*assumes intake air of 50° F (10° C)

Cub 300



17

AIR HEAT

These heater efficient units provide a 24 hour run time with the standard, extra large fuel tank.

SPECIFICATIONS		ARCTIC BEAR CUB™ 300
Length	in	68
Width	in	27.5
Height	in	46
Weight	lbs	256
Fuel capacity	gal	36.72
Electrical requirement		120v, 15a, 1ph
Air outlet diameter options	in	1 x 17.5
Stack Diameter	in	6
Lift eyes		4
HEATER:		
Sizing-Air Heat	cu ft	403,000
Sizing-Drying	cu ft	221,400
Fuel input	Btu/h	302,000
Burner ignition		electric
Heat output	Btu/h	242,000
Heater efficiency	%	80
Firebox		100% stainless steel
Heat exchanger		100% stainless steel
Air output temperature	°F	200
Fuel consumption: Diesel	gph	2.15
BLOWER:		
Type		3/4 HP, axial
CFM		3690*
Static pressure (in. wc)		0.5

*assumes intake air of 50° F (10° C)



Cub 400



18

ARCTIC BEAR CUB™

The Arctic Bear Cub™ 400 and 700 are versatile medium duty air heaters. They offer up to four times more static pressure

SPECIFICATIONS		ARCTIC BEAR CUB™ 400	
Length	gas package	in	94
	diesel package		95
Width		in	33
Height	gas package	in	64
	diesel package		75
Weight	w/o optional diesel tank	lbs	585
	with optional diesel tank - dry		898
Fuel capacity		gal	67
Electrical requirement	1 x 115v, x 15a and 1 x 230v, 20a, 1ph		
Air outlet diameter options		in	3 x 12
			2 x 16
			1 x 20*
HEATER:			
Sizing-Air Heat	cu ft		505,000
Fuel input		Btu/h	380,000
	Burner ignition		electric
Heat output		Btu/h	304,000
	Heater efficiency	%	80
Firebox	100% stainless steel		
Heat exchanger	100% stainless steel		
Air output temperature	°F		200
Fuel consumption:	Diesel	gph	2.71
	Natural Gas	CFH	380
	Propane	gph	4.15
BLOWER:			
Type	2 HP, centrifugal		
CFM	5,200**		
Static pressure (in. wc)	1.77		

Cub 700



19

AIR HEAT

and double the cfm, up to 7,700, than competitive heaters. The 400 and 700 units run at 80% heater efficiency, the highest in the industry.

SPECIFICATIONS		ARCTIC BEAR CUB™ 700	
Length	gas package	in	117
	diesel package		119
Width		in	41
Height	gas package	in	78
	diesel package		94
Weight	w/o optional diesel tank	lbs	963
	with optional diesel tank - dry		1,494
Fuel capacity		gal	145
Electrical requirement	1 x 115v, x 15a and 1 x 230v, 30a, 1ph		
Air outlet diameter options		in	3 x 16
			2 x 20*
HEATER:			
Sizing-Air Heat	cu ft		960,000
Fuel input		Btu/h	720,000
	Burner ignition		electric
Heat output		Btu/h	576,000
	Heater efficiency	%	80
Firebox	100% stainless steel		
Heat exchanger	100% stainless steel		
Air output temperature	°F		200
Fuel consumption:	Diesel	gph	5.13
	Natural Gas	CFH	720
	Propane	gph	7.87
BLOWER:			
Type	4 HP, centrifugal		
CFM	7,700**		
Static pressure (in. wc)	2.09		

* Cubs 400 and 700 include 20" duct adaptors, other diameter outlets available as accessories.
** assumes intake air of 50° F (10° C)



ARCTIC BEAR™ HD

AIR HEAT

20



ARCTIC BEAR HD

The Arctic Bear HD is a durable, heavy-duty indirect fired heater designed to run 24 hours a day, 7 days a week in -20° F ambient air temperature conditions. The unit produces 770,000 Btu/h, has a 44-74 hour run time and has an outlet temperature of 210° F. The fuel flexible heater allows the use of natural gas, propane and diesel.

The unique Recircul-Air™ design allows adjustable recirculation of warm inside air, resulting in huge fuel savings and even temperatures.

PERFORMANCE		ARCTIC BEAR™ HD
HEATER:		
Fuel input	Btu/h	770,000
Heat output	Btu/h	577,500
Heater efficiency	%	75
Fuel consumption		
propane	gph	8.4
natural gas	CFH	770
diesel (no genset)	gph	5.5
Burner ignition		electronic
Firebox		100% stainless steel
Heat exchanger		100% stainless steel
BLOWER:		
Type		3 HP, centrifugal
CFM		4,000
Static pressure (in. wc)		4.0
Air outlet temperature	°F	210
Maximum temperature rise	°F	230
Run time (diesel)	hours	65
Performance monitoring lights		1

21

DIMENSIONS AND CAPACITIES		ARCTIC BEAR™ HD
Length	in	178
Width	in	93
Height	in	91
Approximate weight	lbs	
w/o fuel (no genset, gas burner)		3,380
with fuel and genset		6,236
Fuel capacity	gal	250
Electrical requirement		115/230V, 30A, 1ph
Tires		LT235/85R16
Hitch		2-5/16" ball
Lifting points		3
Air outlet diameter options	in	2 x 12 1 x 16 1 x 20

ADDITIONAL INFORMATION		ARCTIC BEAR™ HD
HEATER:		
Burner motor thermal protection		yes
High temperature shutdown		yes
No-flame shutdown		yes
GENERATOR:		
Low oil pressure shutdown		yes
High temperature shutdown		yes
Brakes		12V DC electric
Interior light		1 - 120V AC
CSA certified		yes

The Arctic Bear™ HD Air Heater complies with US NHTSA and Transport Canada regulations



ARCTIC BEAR™ XHD



22

ARCTIC BEAR XHD

The extra heavy-duty indirect fired Arctic Bear XHD Heater is engineered to operate 24 hours a day, 7 days a week in -60° F extreme outdoor temperatures. The 256 US gallon fuel tank will support up to 770,000 Btu/h and run 45-75 hours with an outlet temperature of 210° F. The Dura-Gen™ extended run technology offered on this unit minimizes oil changes to every 3,000 hours!

The unique Recircul-Air™ design allows adjustable recirculation of warm inside, resulting in huge fuel savings and even temperatures.

PERFORMANCE		ARCTIC BEAR XHD
HEATER:		
Fuel input	Btu/h	430,000 - 770,000
Heat output	Btu/h	322,500 - 577,500
Heater efficiency	%	75
Fuel consumption	gph	3.55 - 6.0
Burner ignition		electronic
Firebox		100% stainless steel
Heat exchanger		100% stainless steel
BLOWER:		
Type		3 HP, centrifugal
CFM		4,000
Static pressure (in. wc)		4.0
Air outlet temperature	°F	210
Maximum temperature rise	°F	240
Run time (diesel)	hours	65
Performance monitoring lights		1
Generator		8.0 kW, 1800 rpm, Kubota liquid-cooled



AIR HEAT

23

DIMENSIONS AND CAPACITIES		ARCTIC BEAR HD
Length	in	187
Width	in	94
Height	in	88
Ground clearance	in	13
Approximate weight	lbs	
w/o fuel		5,700
with fuel		7,543
Fuel capacity	gal	256
Tires		LT235/85R16
Hitch		pin
Crane lifting eyes		4
Forklift pockets		yes
Air outlet diameter options	in	2 x 12 1 x 16 1 x 20

ADDITIONAL INFORMATION		ARCTIC BEAR XHD
HEATER:		
Burner motor thermal protection		yes
High temperature shutdown		yes
No-flame shutdown		yes
GENERATOR:		
Low oil pressure shutdown		yes
High temperature shutdown		yes
Brakes		12V DC electric
Interior light		1 - 120V AC
CSA certified		yes

The Arctic Bear™ XHD Air Heater complies with US NHTSA and Transport Canada regulations



R55

R110

AM3000

DRYING SYSTEMS

24



DRYVEX™ R55 AND R110

The Dryvex™ commercial dehumidifiers will keep your construction and restoration projects on schedule and on budget by decreasing drying time and increasing production for taping, mudding, and painting. Features include an energy-efficient compressor, sturdy handle and convenient roller wheels for easy positioning on site.

SPECIFICATIONS		R55	R110
Voltage		115 V / 60 Hz	115 V / 60 Hz
Electrical requirement	amps	7	11
Electrical plug		NEMA 5-15 P	NEMA 5-15 P
Airflow rating	cfm	294	471
Refrigerant		R22	R22
Water drain hose	ft	20	20
Size (w x d x h)	in	21 x 18 x 34	28 x 28 x 39
Weight	lbs	103	138

FEATURES		R55	R110
Compressor type		Rotary	Rotary
Compressor thermal protection		Yes	Yes
Extraction pump kit		Yes	Yes
Drying capacity	@ 90° F / 90% RH @ 80° F / 80% RH @ 80° F / 60% RH	116 PPD 81 PPD 56 PPD	229 PPD 168 PPD 112 PPD

WORKING RANGE		R55	R110
Humidity	%	40 – 100	40 – 100
Temperature	°F	40 – 100	40 – 100

The units feature an extraction pump kit, hour meter, washable mesh air filter, control panel indicator lights, defrosting system, and optional remote humidistat control.

25



DRYVEX™ AM3000

The innovative design of the AM3000 air mover provides the perfect job solution when you need fast, efficient drying power with limited electricity. The ultra high-efficiency 16-inch axial fan operates on just 2 amps of power, yet moves a whopping 3,000 cfm. Add an optional caster package for “center of the room” drying. Connect up to 6 units from one outlet.

SPECIFICATIONS		AM3000
Body		Roto-molded polyethylene
Electrical requirement	amps	2
Airflow rating		3,000 cfm @ 1 in w.c.
Fan		3 blade 16 in axial
Depth	in	18
Width	in	22
Height	in	24
Weight	lbs	30
Cord		25 ft 16/3 safety yellow



MC5200



DRYING SYSTEMS

DRYVEX™ MC5200

The Dryvex™ MC5200 is an open drying system that uses advanced technology to dry flooded buildings quickly, minimizing business interruption time and reconstruction costs. Dryvection™ technology uses outside air, rather than recycled air, to dry flooded buildings and their contents.

KEY FEATURES:

- Digital control panel
- Storage for duct work / air movers
- Easy fuel fill accessibility
- Additional storage space
- 7 kW generator
- Color-coded connections

SPECIFICATIONS		MC 5200
Length		18 ft 6 in
Width		7 ft 8 in
Height		7 ft 9 in
Weight	lbs	
w/o fuel		5,540
w/ fuel		6,330
Supply air blower		5,200 cfm @ 1.8 in w.c.*
Supply air temperature	°F	Up to 182
Extraction blower		4,100 cfm @ 2 in w.c.*
Onboard diesel generator		7 kW w/ liquid cooled diesel
Fuel tank		125 gal w/ 40 – 48 hr runtime
Fuel		Diesel
Average fuel consumption	gph	3
Crane lifting eye		Standard single point
Rollup doors		2 for storage compartment
HEATER		
Output temperature	°F	Up to 210
Fuel		Diesel
Fire box / heat exchanger		100% stainless steel
Max firing rate	gph	Up to 2.7
BTU	btu/h	Up to 380,000

*Assumes ambient temperature of 32° F



ACCESSORIES

For Hydronic
Surface Heaters

28

29

HOSE HANDLING SYSTEMS

Add a Hose Handling System (and Pump Pack) to Ground Heater models to thaw even faster, or increase size of area for frost prevention, or concrete curing. This rugged accessory provides easy use and storage of Heat Transfer Hose and easily fits inside a pickup truck box. All 4 units are equipped with Heat Transfer Hose filled with Heat Transfer Fluid, leader hose, quick-connect brass fittings, and electric foot pedal rewind system.

SPECIFICATIONS		HOSE HANDLING SYSTEMS			
Length	in	48			
Width	in	42			
Height	in	55			
Fork lift	in	yes			
Lift eye	in	yes			
Electrical requirements		120V AC, 60 Hz			

HOSE HANDLING SYSTEMS					
Model		HHS 3002	HHS 2202	HHS 1701	HHS 1101
Hoses	ft	2 x 1500	2 x 1100	1 x 1700	1 x 1100
Fittings		HTH, HTF	HTH, HTF	HTH, HTF	HTH, HTF
Approximate weight	lbs	1,850	1,550	1,350	1,120

PUMP PACKS

Pump Packs provide a dedicated pump to each extra hose loop, maintaining a high flow rate for even distribution of BTUs over the entire job surface. Increase thaw rate by 50% or increase curing capacity by 200%. Use Pump Packs with HX Heat Xchangers™ and your Ground Heater provides clean, dry heat to enclosed work spaces.

SPECIFICATIONS		PUMP PACKS	
Length	in	18.25	
Width	in	18.25	
Height	in	27	
Weight (single pump)	lbs	125	
Weight (dual pump)	lbs	160	
Lift eye		yes	

PERFORMANCE		PUMP PACKS	
Single pump pack capacity	gph	265	
Dual pump pack capacity	gph	530	
Electrical Requirements			
Volts		120V, 60 Hz	
Amps	single pump	5.6	
	dual pump	11.2	
Motor	Hp (each)	1/2	
	RPM	1,725	



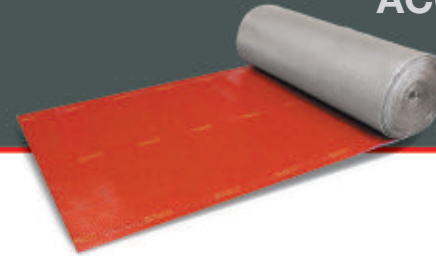
ACCESSORIES

For Hydronic Surface Heaters

30



31



HX-SERIES HEAT XCHANGERS™

Powerful liquid-to-air heat exchangers, available in 3 sizes, bring clean, dry heat to your workspace! Simply position HX Heat Xchangers inside structure and aim where you'd like the heat to go. Finish work is a breeze in a warm, dry environment and comfortable employees are more productive.

SPECIFICATIONS		HX-SERIES HEAT XCHANGERS™		
Model		HX50	HX100	HX200
Length	in	16	21	28
Width	in	14	18	26
Height	in	28	36	45
Weight	lbs	74	143	235
Lift eye	in	yes	yes	yes

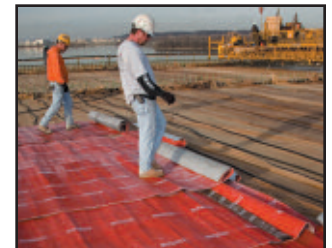
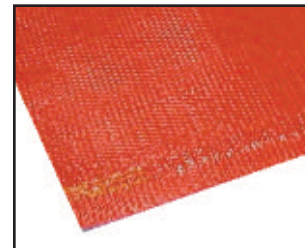
PERFORMANCE		HX-SERIES HEAT XCHANGERS™		
Model		HX50	HX100	HX200
Output	Btu/h	50,000	100,000	200,000
Air volume	cfm	710	1,315	2,400
Static pressure	wc	0.4	0.4	1
ELECTRICAL REQUIREMENTS				
	Volts	120V / 60Hz	120V / 60Hz	120V / 60Hz
	Amps	2.8	4.0	12.7
	Hp	1/10	1/4	1
	Rpm	1,550	1,625	1,075

RED WAVE™ BLANKETS

Designed specifically to work with portable hydronic heating systems, Red Wave blankets reflect heat downward. Thaw ground faster and cure concrete more evenly. Compact and lightweight, you will see huge savings in labor, storage and freight costs.

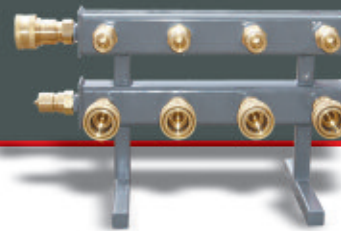
SPECIFICATIONS		RED WAVE™ BLANKETS	
Length	ft	125	
Width	ft	6	
Coverage	sq. ft.	750	
Style		reflective underside, double-bubble	
Weight	lbs	50	

Red Wave™ Blankets can be configured for any site. Cut it • tape it • customize it!



Water cannot permeate layered closed-cell construction, resulting in maintaining original R-value and light weight.

Insulate your job site the simple way with Red Wave™!



ACCESSORIES

For Hydronic Air Heaters

32

33

BOOSTER PUMPS

For heating enclosed workspaces:

Use the Booster Pump for applications requiring heat exchangers to be placed further than 400 feet from the Pureheat Hydronic Air Heater (or above 50 feet).

For surface heating:

Use with hose handling system to thaw ground, prevent frost, or cure concrete.

SPECIFICATIONS		BOOSTER PUMPS
Length	in	30-1/4
Width	in	14
Height	in	21
Weight	lbs	112
Lift eye	in	yes

PERFORMANCE		BOOSTER PUMPS
Pump capacity	GPM	45
ELECTRICAL REQUIREMENTS		
	Volts	120V AC / 60Hz
	Amps	15.8
Motor	Hp	1-1/2
	rpm	3,450

4-PORT REMOTE MANIFOLD

For thawing ground or curing concrete:

Use with Hose Handling System to thaw ground or cure concrete with Pureheat Hydronic Air Heater. 4-Port supply/return manifold with heavy duty brass quick-connects makes hook up of thawing, curing, or Xchanger hoses easy.

SPECIFICATIONS		4-PORT REMOTE MANIFOLD
Length	in	20-3/4
Width	in	11-3/4
Height	in	11-3/4
Weight	lbs	26
Supply ports		4
Return ports		4



ACCESSORIES

For Hydronic
Air Heaters

34



HX-SERIES HEAT XCHANGERS™

Powerful liquid-to-air heat exchangers, available in 3 sizes, bring clean, dry heat to your workspace! Simply position HX Heat Exchangers™ inside structure and aim where you'd like the heat to go. Finish work is a breeze in a warm, dry environment. It keeps projects on schedule and comfortable employees are more productive.

SPECIFICATIONS		HX-SERIES HEAT XCHANGERS™		
Model		HX50	HX100	HX200
Length	in	16	21	28
Width	in	14	18	26
Height	in	28	36	45
Weight	lbs	74	143	235
Lift eye	in	yes	yes	yes

PERFORMANCE		HX-SERIES HEAT XCHANGERS™		
Model		HX50	HX100	HX200
Output	Btu/h	50,000	100,000	200,000
Air volume	cfm	710	1,315	2,400
Static pressure	wc	0.4	0.4	1
ELECTRICAL REQUIREMENTS				
	Volts	120V / 60Hz	120V / 60Hz	120V / 60Hz
	Amps	2.8	4.0	12.7
	Hp	1/10	1/4	1
	Rpm	1,550	1,625	1,075

35



HOSE HANDLING SYSTEMS 3004™

Provides easy use and storage of additional Heat Transfer Hose for cold weather concrete curing, faster thawing and frost prevention applications. This rugged accessory easily fits inside a pickup truck box. Unit is equipped with Heat Transfer Hose filled with Heat Transfer Fluid, leader hose, quick-connect brass fittings, and electric foot pedal rewind system.

SPECIFICATIONS		HOSE HANDLING SYSTEMS 3004™	
Length	in	48	
Width	in	42	
Height	in	55	
Approximate weight	lbs	1,850	
Fork lift		yes	
Lift eye		yes	
Electrical requirements		120V AC / 60Hz	

HOSE HANDLING SYSTEMS 3004™		
Model		HHS 3004
Hoses	ft	4 x 750
Fittings		HTH, HTF



ACCESSORIES

For Air Heat /
Dehumidification

36



DUCTING

For use with XHD, HD, 200, 300, 400, 700,
HX200 & MC5200

NON-INSULATED	
DUCT COLOR	DIMENSIONS
Grey	12" ID x 25'
	16" ID x 25'
	20" ID x 25'
Black	12" ID x 25'
	16" ID x 25'
	18" ID x 25'
Yellow	20" ID x 25'
	20" ID x 25'

INSULATED	
DUCT COLOR	DIMENSIONS
Black	12" ID x 25'
	16" ID x 25'
	20" ID x 25'
Yellow	20" ID x 25'

REMOTE THERMOSTAT

For use with XHD, HD, 200, 300,
400 & 700

Control your jobsite climate remotely:
plug this Remote Thermostat into your
unit an run temperature sensor to
desire location. Includes 50' cord.



37



DUCT ADAPTOR KITS

For use with XHD, HD, 300, 400 & 700

Customize your configuration of outlet air with duct adaptor kits.

ADAPTORS	
COMPATABLE WITH	OUTLETS AND SIZES
XHD / HD	2 - 12"
	1 - 16"
	1 - 20"
Cub 300	1 - 18"
	2 - 12"
Cub 400	3 - 12"
	2 - 16"
	1 - 20"
Cub 700	3 - 16"
	2 - 20"

HEAT XCHANGER™ DUCTING BRACKET

For use with XH200 Heat Xchanger

Add ductwork to your HX200 Heat
Xchanger with this easy to use Ducting
Bracket. Available in 12" or 16" sizes.





ACCESSORIES

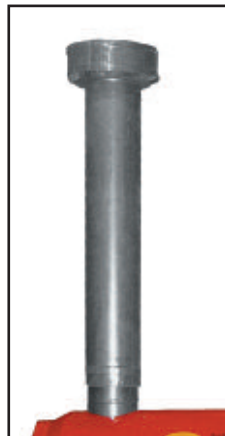
For Air Heat /
Dehumidification

38

B VENT EXHAUST PIPE & RAIN CAP

For use with Arctic Bear Cub 200, 300, 400 and 700.

ITEM		SIZE
B vent exhaust pipe		6" x 3'
		8" x 3'
		10" x 3'
B vent exhaust pipe elbow	90°	8"
	90°	10"
Rain cap		6"
		8"
		10"



39

REMOTE HUMIDISTAT

For use with R55 and R110

Control your jobsite climate remotely: plug this Remote Humidistat into your unit and run humidity sensor to desired location. Includes 50' cord with RCA connection. Range of operation from 25-100% relative humidity.

