



## Climate Technologies Basic Facts

### Hydronic Heat Capacities



Thaw:		E 1100	E 2200	E 3000ES	E 3000	E 5000	Pureheat™			
<b>Excavator's Thaw</b> 18-24" (46-61 cm) Spacing - Frost Islands	ft² (m²)	1,650-2,200 (153.3-204.4)	3,300-4,400 (306.6-408.8)	4,500 (418.1)	4,500-6,000 (418.1-557.4)	10,000 (929.0)	18,000* (1,672.2)*			
<b>Contractor's Thaw</b> 12-18" (30-46 cm) Spacing - No Frost Islands	ft² (m²)	1,100-1,650 (102.2-153.3)	2,200-3,300 (204.4-306.6)	3,000-4,500 (278.7-418.1)	3,000-4,500 (278.7-418.1)	5,000-7,500 (464.5-696.8)	9,000-13,500* (836.1-1,254.2)*			
<b>Accelerated Thaw</b> 6" (15 cm) Spacing - Fastest!	ft² (m²)	550 (51.1)	1,100 (102.2)	1,100 (102.2)	2,200* (204.4)*	1,500 (139.4)	3,000* (287.7)*	2,500 (232.3)	5,000* (464.5)*	4,500* (418.1)*
<b>Accessories*</b>		HHS 1101 + Single PP	HHS 2002 + Dual PP	HHS 3002 + Dual PP	HHS 3002 + Dual PP	(2) HHS 2502	(3) HHS 3004 (1) Booster Pump (3) Remote Manifold			

\*Hose Handling System & Pump Pack or Booster Pump & Remote Manifold

Performance will vary depending on hose spacing and thaw type.

Cure:		E 1100	E 2200	E 3000ES	E 3000	E 5000	Pureheat™
Standard Spacing 24" (61 cm)	ft² (m²)	2,200 (204.4)	4,400 (408.8)	6,000 (557.4)	6,000 (557.4)	10,000 (929.0)	N/A
Add Accessories* to expand area	ft² (m²)	6,600* (613.2)*	13,200* (1,226.3)*	12,000* (1,115)*	18,000* (1,672.2)*	30,000* (2,787.1)*	30,000* (2,787.1)*
<b>Accessories*</b>		HHS 2202 + Dual PP	(2) HHS 2202 (2) Dual PP	(1) HHS 3002 (1) Dual PP	(2) HHS 3002 (2) Dual PP	(4) HHS 2502	(5) HHS 3004 + Booster Pump (5) Remote Manifold

\*Hose Handling System & Pump Pack or Booster Pump & Remote Manifold

Coverage will vary depending on hose spacing.

Frost Prevention:		E 1100	E 2200	E 3000ES	E 3000	E 5000	Pureheat™
Standard Spacing 36" (91 cm)	ft² (m²)	3,300 (306.6)	6,600 (557.4)	9,000 (836.1)	9,000 (836.1)	15,000 (1393.5)	N/A
Add Accessories	ft² (m²)	9,900 (919.7)	19,800 (1,839.5)	18,000 (1,672)	27,000 (2,508.4)	45,000 (4,180.6)	45,000 (4,180.6)

Heat Air:		E 1100	E 2200	E 3000ES	E 3000	E 5000	Pureheat™
Cubic Feet	ft³ (m³)	180,000 (5,097.0)	360,000 (10,194.1)	360,000 (10,194)	535,000 (15,149.5)	1,700,000 (48,138.6)	1,700,000 (48,138.6)
Btus (kW) per hour Net		110,000 (32.2)	252,000 (73.9)	252,000 (73.9)	321,000 (94.1)	714,000 (209.3)	714,000 (209.3)
Heat Exchangers		HX50 HX100 HX200	HX50 HX100 HX200	HX50 HX100 HX200	HX50 HX100 HX200	HX50 HX100 HX200	HX50 HX100 HX200
HX Quantity		2 1 -	4 2 1	4 2 1	6 3 2	16** 8** 4	16** 8** 4
Adaptors 2-to-1		1 - -	2 - -	2 - -	4 1 1	- - -	- - -
Adaptors 1-to-2		1 - -	2 - -	2 - -	3 - -	- - -	- - -
Pump Pack		- - -	- - -	- - -	Single Single Dual	- - -	- - -
Circulation Hose Set*		* * -	* * 1	* * 1	* * 2	* * 2	* * *

Performance will vary depending on building tightness.

\*Circulation Hose Set(s) included. HX50 and HX100 have supply & return hoses connected to each exchanger. Pureheat™ has 5 Circulation Hose Sets on board. For variations, see your Wacker Neuson Climate Technologies distributor.

\*\*Requires four 4-Port Remote Manifolds.

Insulation Comparison:	Size	Sq. Footage	R Value	Annual Usage Cost/ft²
IB 750 Blanket*	125 ft x 6 ft x 1/4 in (38.1 m x 1.8 m x 0.64 cm)	750 (69.7)	2 layers = R5	59¢
Traditional Blankets	25 ft x 6 ft x 1/2 in (7.6 m x 1.8 m x 1.3 cm)	150 (13.9)	2 layers = R5	\$1.12

\*Huge benefit, 1 blanket vs. 5, plus blanket maintains its R value because water cannot permeate through. Formerly Red Wave Blanket™

Contractor Comparison Comment: "(Red Wave) Saves a ton on labor...The second time you move them, they pay for themselves, because 3 guys can do it instead of 7 (with regular blankets)." Martin Canfield, Rockford Construction, Grand Rapids, MI

## Air Heat Capacities

### Portable Indirect-Fired Air Heaters



		HI 110/ HI 110HD	HI 200/ HI 200HD	HI 300	HI 300HD	HI 400HD	
Sizing-Air Heat	ft³ (m³)	150,455 (4,260)	289,970 (8,211)	409,125 (11,585)	409,125 (11,585)	583,528 (16,524) [D] 548,333 (15,527) [G]	
Sizing-Drying	ft³ (m³)	61,260 (1,735)	72,540 (2,054)	151,860 (4,300)	151,860 (4,300)	195,000 (5,522)	
Fuel Input (Gross)	Btu/hr	112,141	205,410	293,982	293,982	Stage 1 - 272,000 [D] Stage 2 - 411,000 [D] 381,000 [G]	
Heat Output (Net)	Btu/hr	90,273	173,982	245,475	245,475	350,117 [D] 329,000 [G]	
CFM (m³/min)		1,262* (35.7)*	1,465* (41.5)*	2,531* (71.7)*	2,531* (71.7)*	3,750* (106.2)* [D] 3,820* (108.2)* [G]	
Air Output Temp	°F (°C)	250 (121.1)	250 (121.1)	250 (121.1)	250 (121.1)	250 (121.1)	
Fuel Consumption	D = Diesel NG = Natural Gas LP = Liquid Propane	gph (lph) cfh (cmh) gph (lph)	0.81 (3.1) [D]	1.48 (5.6) [D]	2.12 (8) [D]	2.12 (8) [D]	2.97 (11.2) [D] 356 (10.1) [NG] 134 (3.8) [LP]

\*assumes intake air of 50° F (10° C)

### Large Indirect-Fired Air Heaters

### Flameless Air Heaters

### Radiant



		HI 900D/G	HI 900GM	HI 770XHD	HIF 690	HIF 1200	HDR 155	
Sizing-Air Heat	ft³ (m³)	1,100,000 (31,149)	1,100,000 (31,149)	962,500 (27,255)	1,000,000 (28,300)	1,700,000 (48,000)	215,000 (6,000)	
Sizing-Drying	ft³ (m³)	348,000 (9,854)	348,000 (9,854)	240,000 (6,796)	250,000 (7,000)	425,000 (12,000)	-	
Heater, input	Btu/hr	878,000/850,000	878,000	Up to 770,000	Up to 686,000	Up to 1,204,000	155,000	
Heater, output	Btu/hr	702,000	702,000	Up to 577,500	Up to 583,000	Up to 1,023,400	15,000	
CFM (m³/min)		5800/6450**	5800/6450**	4,000 (113.3)	up to 4,000	up to 6,500	-	
Air Output Temp	°F (°C)	210 (98.9)	210 (98.9)	210 (98.9)	250 (120)	250 (120)	-	
Fuel Consumption	D = Diesel NG = Natural Gas LP = Liquid Propane	gph (lph) cfh (cmh) gph (lph)	5.35 (20.25) [D] 750 (21.2) [NG]	5.85 (22.15) [D]	3.55-6.0 (13.4-22.7) [D]	4.9 (18.5) [D]	8.6 (32.6) [D]	1.11 (4.2) [D]

\*\*with 3rd supply adapter, cfm increases to 6450

## Dehumidifier / Air Mover Capacities



Drying Unit:		AD 85LGR	AD 115LGR	**AM 3000C / AM 3000C GFCI
Sizing-Drying (Construction)	ft³ (m³)	18,000 (510)	18,000 (510)	1/300 (1/27.9)
(Restoration)	ft³ (m³)	6,000 - 2,500 (557 - 232) ***	8,000 - 4,000 (743 - 372) ***	-
Air Flow	CFM (m³/min) fpm (m/s)	300 (8.5) -	300 (8.5) -	950 (27.0) 3000 (15)
Moisture Removal*		83 ppd (71 l/day)	115 ppd (54.4 l/day)	-
Power		7.9 Amp (15 Amp circuit required), 115 V	11.3 Amp (15 Amp circuit required), 115 V	2.5 Amp, 110 V

\*at 90° F (32.2° C); 90% relative humidity

\*\*1 unit per 300 ft² (27.9 m²) or 15 ft (4.6m) of wall space

\*\*\*Based on drying class 1-4 with 8 ft high ceiling

