LODRONIC

Hydronic Unit Heater

Designed to maximize efficiency with minimum size.

Lodronic[™] Low-Temperature Hot Water Unit Heater

The Lodronic[™] has been developed by Modine as the first low-temperature hot water heater in the USA engineered and designed specifically for use with high efficiency boilers.

With Lodronic, the typical oversized hydronic unit heater can be downsized and replaced to stop overworking your boiler, maximizing efficiency.

Experience Significant Performance Improvements with Lodronic*

- 50% less electric used
- 35% higher discharge temperature
- 30% smaller footprint
- 15% lighter
- * Compared to HC165

Lodronic is UL1995 certified

Ideal Commercial Applications:

- Warehouses
- Industrial buildings
- Mechanical rooms
- Manufacturing plants
- Entryways



Ideal Residential Applications:

- Garages
- Work rooms







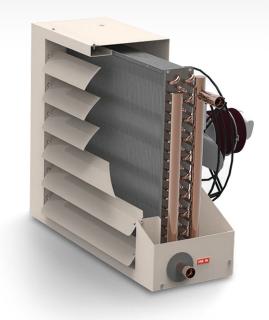
Standard Features

- High-temperature output vs older traditional systems
- High-efficiency 4-row coil with low water pressure drop
- Smaller fan and motor for a lower system amp draw
- Designed for lower entering hot water temperatures

Select from Six Sizes to Perfectly Match Your Application

- 22k to 195k BTU/hr
- 370 to 3200 CFM
- 115, 208, 240, 480, 575V/ I phase
- 208, 240, 480, 575V/ 3 phase

*Hazardous location construction available



Previous Horizontal Lint Options WSC 63 WSC 100 WSC 155 WSC 290 WPC 500 WPC 610 Casting Size (H*W*/xD*) 20.4 x 21.5 x 8.75 24.4 x 25.5 x 9.5 30.5 x 30.5 x 30.5 x 30.5 x 30.5 x 12.5 Ø43.3 x 29 Ø51.5 x 29.6 or Weight (bs) 48 74 92 168 376 472 Sound (bb @ 10' from front) 58.4 58.1 62.3 64 - 74.5 Word HP 1/12 1/8 1/3 1/2 1-1/2 1-1/2 Amp Draw @ 115V 1.7 2.2 4.2 7 18 18 SPM 2.4 4.3 7 11.9 17.8 22.7 MPD 0.2 0.8 2.6 2 0.1 0.3 Sing Size (H*W*KD*) 14.5 x 20.2 x 84 18.5 x 24.5 x 84 22.5 x 29 x 9.7 25.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 54.5 x 11.2 Saing Size (H*W*KD*) 14.5 x 20.2 x 84 18.5 x 24.5 x 84 22.5 x 29 x 9.7 25.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 34.5 x 4				TARGET CAPACITY (BTU/hr)			
Dating Size (H*W*xD*) 20.4 x 21.5 x 8.75 24.4 x 25.5 x 9.5 30.5 x 30.5 x 9.3 38.5 x 38.5 x 12.5 Ø43.3 x 29 Ø51.5 x 29.6 Neight (bs) 48 74 92 168 376 472 Sound (db & 0 10 from front) 58.4 58.1 62.3 64 - 74.5 Motor HP 11/2 1/8 1/3 1/2 1.1/2 1.1/2 Amp Draw @ 115V 1.7 2.2 4.2 7 18 18 SPM 2.4 4.3 7 11.9 17.8 2.27 WPD 0.2 0.8 2.6 2 0.1 0.3 Catrinic Options WSH 22 WSH 39 WSH 67 WSH 104 WSH 170 WSH 195 Dasing Size (H*W*KD*) 14.5 x 20.2 x 84 18.5 x 24.5 x 84 22.5 x 29 x 9.7 25.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 Standler 36% 36% 27% 54% 61% 66% Sound (bb A 0 10* from front) 53.3 49.8	With 60F EAT, 140F EWT, 20F WTD	22,000	39,000	67,000	104,000	170,000	195,000
Weight (tss) 48 74 92 168 376 472 Sound (dbA @ 10' from front) 58.4 58.1 62.3 64 - 74.5 Motor HP 11/2 1/8 1/3 1/2 1-1/2 1-1/2 Amp Draw @ 115V 1.7 2.2 4.2 7 18 18 3PM 2.4 4.3 7 11.9 17.8 22.7 MPD 0.2 0.8 2.6 2 0.1 0.3 Final Air Temp (°F) 78 79 79 83 75 77 Catoraic Options WSH 22 WSH 39 WSH 67 WSH 104 WSH 170 WSH 195 Catoraic Size (H*XW*XD*) 14.5 x 20.2 x 8.4 185 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 Catoraic Size (H*XW*XD*) 14.5 x 20.2 x 8.4 185 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 Catoraic Size (H*XW*XD*) 14.5 x 20.2 x 8.4	Previous Horizontal Unit Options	WSC 63	WSC 108	WSC 165	WSC 290	WPC 500	WPC 610
Sound (db, 0 10' from front) 58.4 58.1 62.3 64 - 74.5 Motor HP 1/12 1/8 1/3 1/2 1-1/2 1-1/2 1-1/2 Amp Draw @ 115V 1.7 2.2 4.2 7 18 18 SPM 2.4 4.3 7 11.9 17.8 22.7 WPD 0.2 0.8 2.6 2 0.1 0.3 Sinal Air Temp (°F) 78 79 79 83 75 77 Lodronic Options WSH 22 WSH 39 WSH 67 WSH 10 WSH 19 34.5x 39.5x 11.2 34.5x 45.5x 11.2 Saing Size (H"xW"xD") 14.5 x 20.2x 8.4 18.5x 24.5x 8.4 22.5x 29 x9.7 26.5x 33 x 9.7 34.5x 39.5x 11.2 34.5x 45.5x 11.2 Smaller 36% 36% 27% 54% 64% 71% 66% Swind (db A@ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 2 50.7 42.2 42.2	Casting Size (H"xW"xD")	20.4 x 21.5 x 8.75	24.4 x 25.5 x 9.5	30.5 x 30.5 x 9.3	38.5 x 38.5 x 12.5	Ø43.3 x 29	Ø51.5 x 29.6
Notor HP 1/12 1/8 1/3 1/2 1-1/2 1-1/2 Amp Draw @ 115V 1.7 2.2 4.2 7 18 18 SPM 2.4 4.3 7 11.9 17.8 22.7 WPD 0.2 0.8 2.6 2 0.1 0.3 Final Air Temp (*F) 78 79 79 83 75 77 Saing Size (H*W*XD*) 145 x 20 x 84 18.5 x 24 5 x 84 22.5 x 29 x 9.7 26.5 x 33 x 9.7 345 x 39.5 x 11.2 34.5 x 45.5 x 11.2 Saing Size (H*W*XD*) 145 x 20 x 84 18.5 x 24 5 x 84 22.5 x 29 x 9.7 26.5 x 33 x 9.7 345 x 39.5 x 11.2 34.5 x 45.5 x 11.2 Saing Size (H*W*XD*) 145 x 20 x 84 18.5 x 24 5 x 84 22.5 x 29 x 9.7 26.5 x 33 x 9.5 x 11.2 34.5 x 45.5 x 11.2 Swinaler 36% 36% 27% 54% 64% 71% Weight (lbs) 32 46 80 93 145 160 Sound (dbA @ 10' from front) 53.3 49.8 <td>Weight (Ibs)</td> <td>48</td> <td>74</td> <td>92</td> <td>168</td> <td>376</td> <td>472</td>	Weight (Ibs)	48	74	92	168	376	472
Amp Draw@115V 1.7 2.2 4.2 7 18 18 SPM 2.4 4.3 7 11.9 17.8 22.7 MPD 0.2 0.8 2.6 2 0.1 0.3 Final Air Temp (°F) 78 79 79 83 75 77 Lodronic Options WSH 22 WSH 39 WSH 67 WSH 104 WSH 170 WSH 195 Zasing Size (H*XW"xD") 14.5 x 20.2 x 84 18.5 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 % smaller 36% 36% 27% 54% 64% 71% % smaller 33% 38% 13% 45% 61% 66% <td>Sound (dbA @ 10' from front)</td> <td>58.4</td> <td>58.1</td> <td>62.3</td> <td>64</td> <td>-</td> <td>74.5</td>	Sound (dbA @ 10' from front)	58.4	58.1	62.3	64	-	74.5
PM 2.4 4.3 7 11.9 17.8 22.7 NPD 0.2 0.8 2.6 2 0.1 0.3 Final Air Temp (°F) 78 79 79 83 75 77 Lodronic Options WSH 22 WSH 39 WSH 67 WSH 104 WSH 170 WSH 195 Casing Size (H'xW"xD") 14.5 x 20.2 x 8.4 18.5 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 % Smaller 36% 36% 27% 54% 64% 71% Weight (lbs) 32 46 80 93 145 160 % Lighter 33% 38% 13% 45% 61% 666.2 Sound (dbA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound % compared to above unit 180% 260% 260% 21% - - - Motor HP 1/15 1/15 1/16 1/6 1/3	Motor HP	1/12	1/8	1/3	1/2	1-1/2	1-1/2
WPD 0.2 0.8 2.6 2 0.1 0.3 Final Air Temp (*F) 78 79 79 83 75 77 Lodronic Options WSH 22 WSH 39 WSH 67 WSH 104 WSH 170 WSH 195 Casing Size (H*xW*xD*) 14.5 x 20.2 x 8.4 18.5 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 51.1.2 % Smaller 36% 36% 27% 54% 64% 71% % Kighter 33% 36% 27% 54% 64% 71% % Lighter 33% 38% 13% 45% 61% 66% Sound (dbA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound % compared to above unit 180% 260% 261% 21% - - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 1/3 Kess Energy 66% 73% 40% 64%<	Amp Draw @ 115V	1.7	2.2	4.2	7	18	18
Final Air Temp (°F) 78 79 79 83 75 77 Lodronic Options WSH 22 WSH 39 WSH 67 WSH 104 WSH 170 WSH 195 Casing Size (H"xW"xD") 14.5 x 20.2 x 8.4 18.5 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 % Smaller 36% 36% 27% 54% 64% 71% % Smaller 36% 36% 27% 54% 64% 71% % Smaller 33% 36% 27% 54% 64% 71% % lighter 33% 38% 13% 45% 61% 66% Sound (bA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound w compared to above unit 180% 260% 260% 221% - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Matt Savings / Year 35.2.89 \$47.84 95.0.3 \$134.55	GPM	2.4	4.3	7	11.9	17.8	22.7
Address WSH 22 WSH 39 WSH 67 WSH 104 WSH 170 WSH 195 Casing Size (H"xW"xD") 14.5 x 20.2 x 8.4 18.5 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 % Smaller 36% 36% 27% 54% 64% 71% Weight (lbs) 32 46 80 93 145 1600 % Lighter 33% 38% 13% 45% 61% 66% Sound (dbA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound % compared to above unit 180% 260% 221% - - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Amp Draw @ 115V 0.6 0.6 2.5 2.5 4.2 4.2 Watt savings / Year 126.5 184 195.5 517.5 1,587 1,587 SPM 2.2 3.9 6.7 10.4 17	WPD	0.2	0.8	2.6	2	0.1	0.3
Casing Size (H"xW"xD") 14.5 x 20.2 x 8.4 18.5 x 24.5 x 8.4 22.5 x 29 x 9.7 26.5 x 33 x 9.7 34.5 x 39.5 x 11.2 34.5 x 45.5 x 11.2 % Smaller 36% 36% 27% 54% 64% 71% Weight (lbs) 32 46 80 93 145 160 % Lighter 33% 38% 13% 45% 61% 66% Sound (dbA@10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound (cbA@10' from front) 53.3 49.8 260% 221% - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Amp Draw@115V 0.6 0.6 2.5 2.5 4.2 4.2 Kess Energy 65% 73% 40% 64% 77% 77% Selenction 0.2 0.4 3.3 13.455 \$412.62 \$412.62 SPM 62.2 3.9 6.7 10.4 17 19.5	Final Air Temp (°F)	78	79	79	83	75	77
Smaller 36% 36% 27% 54% 64% 71% Weight (lbs) 32 46 80 93 145 160 % Lighter 33% 38% 13% 45% 61% 66% Sound (dbA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound % compared to above unit 180% 260% 221% - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Amp Draw @ 115V 0.6 0.6 2.5 2.5 4.2 4.2 Watt Savings / Year 126.5 184 195.5 517.5 1,587 1,587 % Less Energy 65% 73% 40% 64% 77% 77% % Less Energy 65% 73% 40% 64% 17 19.5 GPM reduction 0.2 0.4 0.3 11.5 0.8 3.2 WPD Difference 4.7 0.7	Lodronic Options	WSH 22	WSH 39	WSH 67	WSH 104	WSH 170	WSH 195
Weight (lbs) 32 46 80 93 145 160 % Lighter 33% 38% 13% 45% 61% 66% Sound (dbA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound % compared to above unit 180% 260% 221% - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Amp Draw @ 115V 0.6 0.6 2.5 2.5 4.2 4.2 Watt Savings / Year 126.5 184 195.5 517.5 1,587 1,587 % Less Energy 65% 73% 40% 64% 77% 77% % Less Energy 65% 73% 40% 64% 77% 1,587 SaPM 2.2 3.9 6.7 10.4 17 19.5 GPM 2.2 3.9 6.7 10.4 17 19.5 GPM Politference 0.4 0.3 1.5<	Casing Size (H"xW"xD")	14.5 x 20.2 x 8.4	18.5 x 24.5 x 8.4	22.5 x 29 x 9.7	26.5 x 33 x 9.7	34.5 x 39.5 x 11.2	34.5 x 45.5 x 11.2
Control Control <t< td=""><td>% Smaller</td><td>36%</td><td>36%</td><td>27%</td><td>54%</td><td>64%</td><td>71%</td></t<>	% Smaller	36%	36%	27%	54%	64%	71%
Sound (dbA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound (dbA @ 10' from front) 53.3 49.8 53.9 57.1 64.6 66.2 Sound % compared to above unit 180% 260% 221% - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Amp Draw @ 115V 0.6 0.6 2.5 2.5 4.2 4.2 Watt Savings / Year 126.5 184 195.5 517.5 1,587 1,587 % Less Energy 65% 73% 40% 64% 77% 77% Electrical Savings/Year* \$32.89 \$47.84 \$50.83 \$134.55 \$412.62 \$412.62 GPM 2.2 3.9 6.7 10.4 17 19.5 GPM reduction 0.2 0.4 0.3 1.5 0.8 3.2 WPD Difference 4.7 -0.7 0 -2.8 -7.3 -10.1 Final Ai	Weight (Ibs)	32	46	80	93	145	160
Sound % compared to above unit 180% 260% 260% 221% - - Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Amp Draw @ 115V 0.6 0.6 2.5 2.5 4.2 4.2 Watt Savings / Year 126.5 184 195.5 517.5 1,587 1,587 % Less Energy 65% 73% 40% 64% 77% 77% Electrical Savings/Year* \$32.89 \$47.84 \$50.83 \$134.55 \$412.62 \$412.62 GPM 2.2 3.9 6.7 10.4 17 19.5 GPM reduction 0.2 0.4 0.3 1.5 0.8 3.2 WPD 4.9 1.5 2.6 4.8 7.4 10.4 WPD Difference -4.7 -0.7 0 -2.8 -7.3 -10.1 Final Air Temp (°F) 113 113 113 112 115 115	% Lighter	33%	38%	13%	45%	61%	66%
Motor HP 1/15 1/15 1/6 1/6 1/3 1/3 Amp Draw @ 115V 0.6 0.6 2.5 2.5 4.2 4.2 Watt Savings / Year 126.5 184 195.5 517.5 1,587 1,587 % Less Energy 65% 73% 40% 64% 77% 77% Electrical Savings/Year* \$32.89 \$47.84 \$50.83 \$134.55 \$412.62 \$412.62 GPM 2.2 3.9 6.7 10.4 17 19.5 GPM reduction 0.2 0.4 0.3 1.5 0.8 3.2 WPD 4.9 1.5 2.6 4.8 7.4 10.4 WPD Difference -4.7 -0.7 0 -2.8 -7.3 -10.1 Final Air Temp (°F) 113 113 113 112 115 115	Sound (dbA @ 10' from front)	53.3	49.8	53.9	57.1	64.6	66.2
Amp Draw @ 115V0.60.62.52.54.24.2Watt Savings / Year126.5184195.5517.51,5871,587% Less Energy65%73%40%64%77%77%% Less Energy\$32.89\$47.84\$50.83\$134.55\$412.62\$412.62GPM2.23.96.710.41719.5GPM reduction0.20.40.31.50.83.2WPD4.91.52.64.87.410.4WPD Difference-4.7-0.70-2.8-7.3-10.1Final Air Temp (°F)113113113112115115	Sound % compared to above unit	180%	260%	260%	221%	_	-
Watt Savings / Year 126.5 184 195.5 517.5 1,587 1,587 % Less Energy 65% 73% 40% 64% 77% 77% Electrical Savings/Year* \$32.89 \$47.84 \$50.83 \$134.55 \$412.62 \$412.62 GPM 2.2 3.9 6.7 10.4 17 19.5 GPM reduction 0.2 0.4 0.3 1.5 0.8 3.2 WPD 4.9 1.5 2.6 4.8 7.4 10.4 WPD Difference -4.7 -0.7 0 -2.8 -7.3 -10.1 Final Air Temp (°F) 113 113 113 112 115 115	Motor HP	1/15	1/15	1/6	1/6	1/3	1/3
Constraint Constra	Amp Draw @ 115V	0.6	0.6	2.5	2.5	4.2	4.2
Constraint State	Watt Savings / Year	126.5	184	195.5	517.5	1,587	1,587
GPM 2.2 3.9 6.7 10.4 17 19.5 GPM reduction 0.2 0.4 0.3 1.5 0.8 3.2 WPD 4.9 1.5 2.6 4.8 7.4 10.4 WPD Difference -4.7 -0.7 0 -2.8 -7.3 -10.1 Final Air Temp (°F) 113 113 113 112 115 115	% Less Energy	65%	73%	40%	64%	77%	77%
GPM reduction 0.2 0.4 0.3 1.5 0.8 3.2 WPD 4.9 1.5 2.6 4.8 7.4 10.4 WPD Difference -4.7 -0.7 0 -2.8 -7.3 -10.1 Final Air Temp (°F) 113 113 112 115 115	Electrical Savings/Year*	\$32.89	\$47.84	\$50.83	\$134.55	\$412.62	\$412.62
WPD 4.9 1.5 2.6 4.8 7.4 10.4 WPD Difference -4.7 -0.7 0 -2.8 -7.3 -10.1 Final Air Temp (°F) 113 113 113 112 115 115	GPM	2.2	3.9	6.7	10.4	17	19.5
WPD Difference -4.7 -0.7 0 -2.8 -7.3 -10.1 Final Air Temp (°F) 113 113 113 112 115 115	GPM reduction	0.2	0.4	0.3	1.5	0.8	3.2
Final Air Temp (°F) 113 113 113 113 113 115 115	WPD	4.9	1.5	2.6	4.8	7.4	10.4
	WPD Difference	-4.7	-0.7	0	-2.8	-7.3	-10.1
ncrease in Final Air Temp (°F) 35 34 34 29 40 38	Final Air Temp (°F)	113	113	113	112	115	115
	Increase in Final Air Temp (°F)	35	34	34	29	40	38

*Based on national average \$0.13 \$/kW/h and 2000 hours of heating runtime.

Sound comparison at 10' from unit front calculated using: https://rechneronline.de/log-scale/decibel.php



To learn more, visit www.modinehvac.com or call 800-828-HEAT



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