

NASS-HTL Heat Exchanger

Water to Air Heat Exchanger

Applications:

- ✓ Green House Heating
- ✓ Dehumidifying
- ✓ HVAC Retrofits
- ✓ Evaporator & Condenser
- ✓ Space Heating
- ✓ Solar Thermal Heat Dump

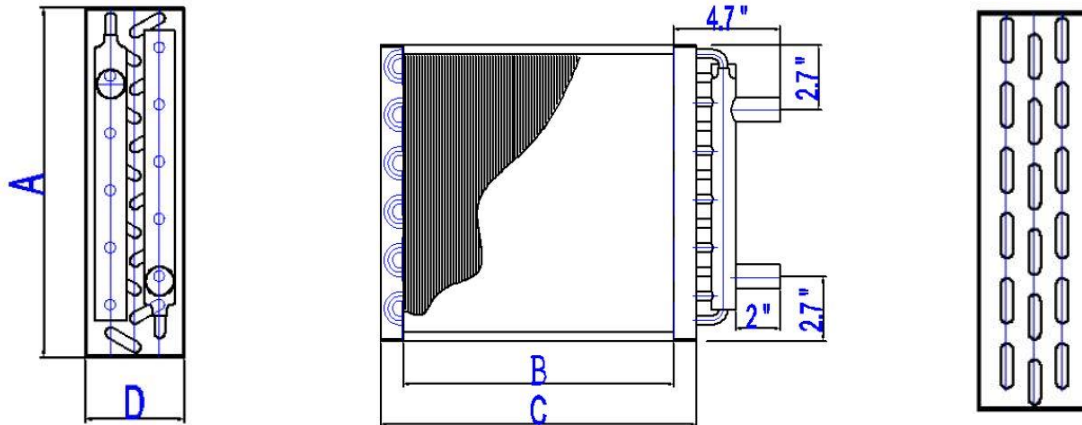
Water to air heat exchangers are designed to transfer heat from the hot liquid that flows through the heat exchanger to the air blown through it by the fan. These radiators are made by brazing thin aluminum fins to flattened copper or aluminum tubes. The liquid flows from the inlet to the outlet through many tubes mounted in a parallel arrangement. The fins conduct the heat from the tubes and transfer it to the air flowing through the radiator. Water to air heat exchangers used to transfer thermal energy from one medium to another for the purpose of cooling and heating



Custom Made Options

Due to popular demand in the industrial sector we can also custom manufacture plate fin coils of any size. Please allow some lead time for manufacturing and shipping. Please contact us for more information

Standard Sizes Always In Stock!



Heat Exchanger Part No.	Capacity BTU/H	Dimensions/inch			
		A	B	C	D
HTL12x12	60000	12	12	14	3.5
HTL12x18	70000	12	18	20	3.5
HTL15x15	75000	15	15	17	3.5
HTL16x16	80000	16	16	18	3.5
HTL16x18	100000	16	18	20	3.5
HTL18x18	120000	18	18	20	3.5
HTL17x22	145000	17	22	24	3.5
HTL18x20	140000	18	20	22	3.5
HTL19x20	150000	19	20	22	3.5
HTL20x20	160000	20	20	22	3.5
HTL21x21	165000	21	21	23	3.5
HTL20x25	190000	20	25	27	3.5
HTL22x22	190000	22	22	24	3.5
HTL22x25	200000	22	25	27	3.5
HTL24x24	200000	24	24	26	3.5
HTL30x30	285000	30	30	32	3.5

	Materials	Standard Size	Rating
Coils	Copper	3/8" seamless	175psig/350F
Plate Fin	Aluminium	12 FPI	Louvered
Core Housing	Gal. Steel	3 rows	20 ga.
Manifold	Copper	1"	1 1/8"OD
Connections	Copper	1" ID	Solder

Produced by
UL
Recognized
Coil manufacturer



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HOT WATER COIL TECHNICAL PERFORMANCE SCHEDULE (2)

3 rows / 12 FPI / 140F boiler output / 65F air intake

HTL	CFM	600	800	1000	1200						WPD		
	APD	0.18	LAT	0.29	LAT	0.42	LAT	0.58	LAT				
12x18 GPM	5	BTU	33068	116	39046	110	43862	105	47848	102			1.25
	10		35390	119	42625	114	48711	110	53949	106			4.43
	12		35807	120	43281	115	49615	111	55104	107			6.21
	CFM	1200		1400		1600		1800					
	APD	0.29	LAT	0.37	LAT	0.47	LAT	0.58	LAT			WPD	
18x18 GPM	5	BTU	53889	106	57867	103	61267	100	64205	98			0.64
	10		61153	112	66720	109	71670	106	76111	104			2.25
	12		62517	113	68412	110	73687	107	78451	105			3.16
	CFM	1600		1800		2100		2400	2700				
	APD	0.33	LAT	0.39	LAT	0.52	LAT	0.66	LAT	0.79	LAT	WPD	
20x20 GPM	5	BTU	65867	103	69145	100	73299	97	79533	96	82987	93	0.57
	10		77025	109	82010	107	88629	104	94413	101	99522	99	1.98
	12		79163	110	84512	108	91670	105	97980	102	103601	100	2.80
	CFM	1800		2100		2400		2700	3100				
	APD	0.29	LAT	0.37	LAT	0.47	LAT	0.58	LAT	0.74	LAT	WPD	
22x22 GPM	5	BTU	73667	103	78232	99	84872	98	88622	95	92909	93	0.51
	10		87377	110	94707	106	101120	104	106790	101	113410	99	1.79
	12		90013	111	97945	108	104949	105	111197	103	118565	100	2.50
	CFM	1800		2000		2400		2800	3200				
	APD	0.22	LAT	0.26	LAT	0.35	LAT	0.46	LAT	0.59	LAT	WPD	
24x24 GPM	5	BTU	77812	105	81226	102	89772	99	95018	96	99411	94	0.47
	10		92264	112	97731	110	107307	106	115436	103	122438	100	1.62
	12		95007	114	100916	111	111368	108	120352	105	128181	102	2.27
EAT	Entering air temperature 65 F						CFM	Cubic feet per minute					
EWT	Entering water temperature 140 F						WPD	Water pressure drop: ft w.					
LAT	Leaving air temperature F						GPM	Gallons per minute					
APD	Air pressure drop: in w.c.												