



NOTE: Flanges are 1"

## Duct Mount Hot Water Coils

Model No.	Rows	Finned Height (in)	Finned Width (in)	Over All Height (in)	Over All Width (in)	Depth (in)	(ODF) Connections	Weight (lbs)
AHW-2130	2	12.5	15	14.5	17	3 3/4	7/8	11
AHW-2208	2	15	20	17	22	3 3/4	1 1/8	15
AHW-2347	2	20	25	22	27	3 3/4	1 1/8	23
AHW-3130	3	12.5	15	14.5	17	3 3/4	7/8	13
AHW-3208	3	15	20	17	22	3 3/4	1 1/8	21
AHW-3278	3	20	20	22	22	3 3/4	1 1/8	28
AHW-3347	3	20	25	22	27	3 3/4	1 1/8	29
AHW-3417	3	20	30	22	32	3 3/4	1 1/8	35
AHW-4208	4	15	20	17	22	4 7/8	1 1/8	25
AHW-4417	4	20	30	22	32	4 7/8	1 1/8	44

**NOTES:**

Coils are tested to 350 PSIG

Coils can be mounted vertical or horizontal

Galvanized frame can be mounted inside or flange connected to duct work

These coils **are not designed** for cooling applications.



# AHW Series

## Duct Mounted Hot Water Coils

### Water Heating Capacities (3 Row Coils)

Capacities are based on 60°F entering air temperature and 0% glycol

AHW-2130	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			550 CFM	650 CFM	750 CFM	550 CFM	650 CFM	750 CFM	550 CFM	650 CFM	750 CFM
Total Cap. BTU/Hr.	2.4	1.5	16,692	18,017	19,160	25,393	27,441	29,210	34,203	36,995	39,409
Leaving Air °F			87.5	85.2	83.2	101.9	98.3	95.3	116.4	111.6	107.7
Leaving Water °F			106.0	104.8	103.9	128.5	126.8	125.3	150.9	148.5	146.4
Total Cap. BTU/Hr.	3.6	3.3	18,104	19,702	21,101	27,459	29,915	32,069	36,905	40,236	43,163
Leaving Air °F			89.9	87.5	85.5	105.3	101.8	98.8	120.9	116.2	112.2
Leaving Water °F			109.8	108.9	108.2	134.5	133.1	131.9	159.0	157.1	155.5
Total Cap. BTU/Hr.	6.0	8.7	19,436	21,313	22,982	29,386	32,252	34,803	39,403	43,272	46,721
Leaving Air °F			92.1	89.8	87.8	108.5	105.0	102.1	125.0	120.4	116.5
Leaving Water °F			113.5	112.8	112.3	140.0	139.1	138.2	166.5	165.2	164.1

AHW-2208	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			800 CFM	1000 CFM	1200 CFM	800 CFM	1000 CFM	1200 CFM	800 CFM	1000 CFM	1200 CFM
Total Cap. BTU/Hr.	4.8	2.0	26,128	29,118	31,601	39,743	44,367	48,219	53,527	59,832	65,095
Leaving Air °F			89.6	86.4	83.9	105.1	100.3	96.5	120.7	114.3	109.2
Leaving Water °F			109.0	107.7	106.7	133.2	131.2	129.6	157.2	154.5	152.3
Total Cap. BTU/Hr.	7.2	4.4	28,001	31,511	34,484	42,459	47,852	52,432	57,052	64,370	70,597
Leaving Air °F			91.8	88.6	86.1	108.2	103.4	99.6	124.7	118.4	113.4
Leaving Water °F			112.1	111.2	110.3	138.0	136.5	135.2	163.8	161.7	159.9
Total Cap. BTU/Hr.	12.0	11.8	29,745	33,781	37,260	44,958	51,119	56,439	60,270	68,586	75,780
Leaving Air °F			93.7	90.7	88.2	111.0	106.4	102.7	128.4	122.2	117.3
Leaving Water °F			115.0	114.3	113.7	142.4	141.3	140.4	169.7	168.3	167.1

AHW-2347	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			1400 CFM	1700 CFM	2000 CFM	1400 CFM	1700 CFM	2000 CFM	1400 CFM	1700 CFM	2000 CFM
Total Cap. BTU/Hr.	9.6	3.6	45,372	49,896	53,752	69,067	76,074	82,063	93,073	102,639	110,831
Leaving Air °F			89.4	86.6	84.4	104.8	100.6	97.2	120.3	114.8	110.3
Leaving Water °F			110.4	109.5	108.7	135.4	133.9	132.6	160.2	158.1	156.4
Total Cap. BTU/Hr.	14.4	7.7	48,476	53,738	58,293	73,544	81,639	88,663	98,861	109,853	119,408
Leaving Air °F			91.4	88.7	86.4	107.7	103.6	100.2	124.1	118.6	114.2
Leaving Water °F			113.2	112.5	111.8	139.6	138.5	137.5	165.9	164.4	163.0
Total Cap. BTU/Hr.	24.0	21.0	51,369	57,376	62,652	77,670	86,844	94,916	104,150	116,540	127,456
Leaving Air °F			93.3	90.6	88.4	110.3	106.4	103.1	127.5	122.2	117.8
Leaving Water °F			115.7	115.2	114.7	143.4	142.6	142.0	171.1	170.0	169.1



# AHW Series

## Duct Mounted Hot Water Coils

### Water Heating Capacities (3 Row Coils)

Capacities are based on 60°F entering air temperature and 0% glycol

AHW-3130	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			550 CFM	650 CFM	750 CFM	550 CFM	650 CFM	750 CFM	550 CFM	650 CFM	750 CFM
Total Cap. BTU/Hr.	2.4	0.7	20,201	21,874	23,300	30,770	33,363	35,579	41,484	45,028	48,061
Leaving Air °F			93.3	90.5	88.2	110.8	106.6	103.0	128.4	122.9	118.1
Leaving Water °F			103.0	101.6	100.4	124.0	121.8	119.9	144.7	141.7	139.1
Total Cap. BTU/Hr.	3.6	1.5	22,153	24,245	26,067	33,635	36,860	39,675	45,240	49,626	53,460
Leaving Air °F			96.5	93.8	91.5	115.5	111.5	108.0	134.6	129.3	124.7
Leaving Water °F			107.6	106.4	105.4	131.0	129.2	127.6	154.3	151.8	149.6
Total Cap. BTU/Hr.	6.0	3.9	23,980	26,520	28,779	36,283	40,170	43,632	48,676	53,933	58,624
Leaving Air °F			99.6	97.0	94.8	119.9	116.1	112.8	140.3	135.3	130.9
Leaving Water °F			111.6	111.1	110.3	137.7	136.4	135.2	163.4	161.4	160.0

AHW-3208	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			800 CFM	1000 CFM	1200 CFM	800 CFM	1000 CFM	1200 CFM	800 CFM	1000 CFM	1200 CFM
Total Cap. BTU/Hr.	4.8	1.2	31,664	35,500	38,656	48,221	54,175	59,089	65,003	73,144	79,881
Leaving Air °F			95.9	92.2	89.2	114.7	109.2	104.7	133.7	126.4	120.4
Leaving Water °F			106.7	105.1	103.7	129.6	127.1	125.0	152.3	148.8	146.0
Total Cap. BTU/Hr.	7.2	2.7	34,201	38,850	42,771	51,906	59,074	65,137	69,796	79,542	87,809
Leaving Air °F			98.8	95.3	92.3	118.9	113.6	109.3	139.2	132.2	126.4
Leaving Water °F			110.4	109.1	108.0	135.3	133.3	131.6	160.2	157.4	155.0
Total Cap. BTU/Hr.	12.0	7.2	36,540	42,024	46,796	55,260	63,649	70,918	74,410	85,454	95,303
Leaving Air °F			101.4	98.1	95.4	122.7	117.8	113.6	144.1	137.5	132.1
Leaving Water °F			113.8	112.9	112.1	140.6	139.2	139.0	167.3	165.4	163.7

AHW-3278	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			1000 CFM	1400 CFM	1700 CFM	1000 CFM	1400 CFM	1700 CFM	1000 CFM	1400 CFM	1700 CFM
Total Cap. BTU/Hr.	8	2.4	41,010	48,962	53,367	61,515	73,444	80,050	82,019	97,925	106,733
Leaving Air °F			97.6	92.1	88.8	116.4	108.1	103.2	135.2	124.2	117.6
Leaving Water °F			109.7	107.8	106.7	134.6	131.6	130.0	159.5	155.5	153.3
Total Cap. BTU/Hr.	12	7.7	42,678	51,286	56,839	64,017	76,929	85,259	85,355	102,572	113,679
Leaving Air °F			99.2	93.6	90.7	118.7	110.4	106.0	138.3	127.2	121.3
Leaving Water °F			112.9	111.4	110.5	139.3	137.2	135.8	165.8	162.9	161.0
Total Cap. BTU/Hr.	16	10.4	43,971	52,877	58,534	65,957	79,315	81,801	87,942	105,754	117,068
Leaving Air °F			100.3	94.7	91.6	120.5	112.0	107.4	140.7	129.3	123.2
Leaving Water °F			114.5	113.4	112.7	141.8	140.1	139.0	169.0	166.8	165.4



# AHW Series

## Duct Mounted Hot Water Coils

### Water Heating Capacities (3 Row Coils)

Capacities are based on 60°F entering air temperature and 0% glycol

AHW-3347	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			1400 CFM	1700 CFM	2000 CFM	1400 CFM	1700 CFM	2000 CFM	1400 CFM	1700 CFM	2000 CFM
Total Cap. BTU/Hr.	9.6	3.9	57,544	63,998	69,511	87,340	97,283	105,799	117,442	130,961	142,561
Leaving Air °F			97.3	94.2	91.5	116.6	111.9	108.0	136.1	129.9	124.7
Leaving Water °F			107.9	106.5	105.4	131.5	129.4	127.6	155.0	152.1	149.6
Total Cap. BTU/Hr.	14.4	8.6	61,306	68,859	75,438	92,789	104,360	114,460	124,514	140,176	153,873
Leaving Air °F			99.7	96.8	94.2	120.1	115.7	111.9	140.7	134.8	129.8
Leaving Water °F			111.4	110.3	109.4	136.9	135.3	133.8	162.3	160.1	158.1
Total Cap. BTU/Hr.	24	23.3	64,690	73,315	80,963	97,639	110,771	122,434	130,759	148,454	164,192
Leaving Air °F			101.9	99.1	96.7	123.3	119.1	115.5	144.7	139.2	134.5
Leaving Water °F			114.6	113.8	113.2	141.7	140.6	139.6	168.8	167.3	166.0

AHW-3417	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			1600 CFM	2000 CFM	2500 CFM	1600 CFM	2000 CFM	2500 CFM	1600 CFM	2000 CFM	2500 CFM
Total Cap. BTU/Hr.	9.6	2.4	65,895	74,325	82,913	99,943	112,913	126,160	134,317	151,913	169,961
Leaving Air °F			97.4	93.7	90.1	116.7	111.2	105.8	136.2	128.9	121.7
Leaving Water °F			106.1	104.4	102.6	128.8	126.1	123.3	151.4	147.6	143.8
Total Cap. BTU/Hr.	14.4	5.2	70,477	80,474	90,921	106,618	121,917	137,947	143,018	163,713	185,439
Leaving Air °F			100.0	96.5	93.0	120.5	115.3	110.1	141.1	134.3	127.3
Leaving Water °F			110.1	108.7	107.2	134.9	132.8	130.5	159.7	156.7	153.7
Total Cap. BTU/Hr.	24.0	13.8	74,582	86,111	98,463	112,534	130,076	148,911	150,670	174,297	199,708
Leaving Air °F			102.3	99.1	95.7	123.8	119.0	114.0	145.4	139.1	132.5
Leaving Water °F			113.7	112.7	111.7	140.5	139.0	137.4	167.1	165.1	163.0



# AHW Series

## Duct Mounted Hot Water Coils

### Water Heating Capacities (4 Row Coils)

Capacities are based on 60°F entering air temperature and 0% glycol

AHW-4208	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			800 CFM	1000 CFM	1200 CFM	800 CFM	1000 CFM	1200 CFM	800 CFM	1000 CFM	1200
Total Cap. BTU/Hr.	7.2	3.0	39,288	45,199	50,221	59,494	68,573	76,309	79,864	92,179	102,695
Leaving Air °F			104.6	101.0	98.0	127.5	122.2	117.7	150.6	143.6	137.7
Leaving Water °F			109.0	107.3	105.9	133.2	130.6	128.5	157.3	153.8	150.8
Total Cap. BTU/Hr.	12.0	8.2	41,642	48,580	54,643	62,867	73,447	82,719	84,205	98,481	111,015
Leaving Air °F			107.2	104.1	101.3	131.3	126.6	122.5	155.5	149.4	143.9
Leaving Water °F			113.0	111.8	110.8	139.3	137.5	136.0	165.6	163.2	161.1
Total Cap. BTU/Hr.	16.0	14.3	42,581	49,958	56,482	64,200	75,414	85,354	85,910	101,006	114,408
Leaving Air °F			108.3	105.3	102.7	132.8	128.4	124.5	157.4	151.7	146.5
Leaving Water °F			114.6	113.7	112.9	141.8	140.4	139.1	169.0	167.1	165.4

AHW-4417	GPM	PD'	120°F EWT			150°F EWT			180°F EWT		
			1600 CFM	2000 CFM	2500 CFM	1600 CFM	2000 CFM	2500 CFM	1600 CFM	2000 CFM	2500 CFM
Total Cap. BTU/Hr.	16.0	3.0	78,069	89,727	101,860	118,408	136,383	155,165	159,136	183,588	209,215
Leaving Air °F			104.3	100.7	97.0	127.2	121.9	116.3	150.2	143.3	135.9
Leaving Water °F			110.1	108.7	107.1	135.0	132.7	130.3	159.6	156.5	153.3
Total Cap. BTU/Hr.	22.4	5.9	81,453	94,532	108,448	123,234	143,289	164,703	165,322	192,488	221,573
Leaving Air °F			106.2	102.9	99.4	129.9	125.0	119.8	153.8	147.3	140.4
Leaving Water °F			112.6	111.5	110.2	138.8	137.0	135.0	164.9	162.4	159.8
Total Cap. BTU/Hr.	32.0	11.8	84,157	98,454	113,942	127,059	148,870	172,571	170,195	199,630	231,689
Leaving Air °F			107.7	104.7	101.4	132.1	127.5	122.6	156.5	150.6	144.1
Leaving Water °F			114.7	113.8	112.8	141.9	140.5	139.0	169.1	167.2	165.2

### Heating Performance Correction Factors

Water Heating Coils

Entering Air Temperature (°F)	Entering Fluid Temperature (°F)		
	180	150	120
40	1.16	1.22	1.35
50	1.08	1.10	1.17
60	1.00	1.00	1.00
70	0.92	0.89	0.85
80	0.83	0.78	0.68

### Glycol Correction Factors

Water Heating Coils

% Glycol	Capacity	Fluid Press. Drop
0	1.00	1.00
20	0.91	1.06
30	0.88	1.09
40	0.84	1.12
50	0.80	1.16

## Air Pressure Drop (inches H<sub>2</sub>O)

