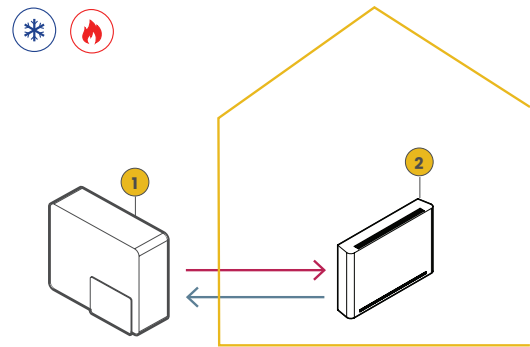


STØNE Architectural

The STØNE Architectural represents a singular heat pump system where all components are housed within the outdoor unit. Opt for either a stylish floor-standing/wall-mounted unit or a recessed version. The installation process is simplified by piping directly from the outdoor unit to the indoor fan coil units using insulated piping. For added versatility, the system allows for connecting the pipe to a three-way valve inside the home, enabling the diversion of heated water to a coil-based hot water system for domestic hot water alongside the fan coils. Installation is user-friendly and does not demand extensive technical expertise. The STØNE Architectural is offered in five sizes, ranging from two to five tons, catering to a variety of needs including serving water loop heat pump terminals.



- 1. STØNE Architectural
- 2. Fan coils for heating and cooling

Key Specifications

Models		P5	P7	P9	P11	P13	P15
Heating 47°F (Heating 8°C) ¹							
Maximum capacity	kBtu/h (kW)	25.8 (7.6)	36.7 (10.8)	39.1 (11.5)	46.2 (13.5)	51.9 (15.2)	65 (19.1)
Nominal capacity	kBtu/h (kW)	18.8 (5.5)	25.5 (7.5)	31.2 (9.1)	36.3 (10.6)	42.6 (12.5)	51.7 (15.2)
Power	kW	1.16	1.62	1.83	2.37	2.62	3.23
Efficiency	COP	4.74	4.67	4.76	4.48	4.76	4.70
Heating 5°F (Heating -15°C) ²							
Maximum capacity	kBtu/h (kW)	14.3 (4.2)	17.5 (5.1)	21.5 (6.3)	25.1 (7.4)	28 (8.2)	34.7 (10.2)
Power	kW	1.52	1.96	2.28	2.75	2.87	3.58
Efficiency	COP	2.76	2.62	2.76	2.68	2.86	2.84
Cooling ³							
Maximum capacity	kBtu/h (kW)	22.9 (6.7)	30.2 (8.9)	32.4 (9.5)	38.0 (11.2)	42.5 (12.5)	54.3 (15.9)
Nominal capacity	kBtu/h (kW)	14.3 (4.2)	22.0 (6.5)	26.6 (7.8)	30.0 (8.8)	34.1 (10.0)	41.1 (12.0)
Power	kW	1.22	2.0	2.33	2.65	2.99	3.71
Efficiency	EER	11.70	10.96	11.39	11.29	11.39	11.05
Operating Limits							
Ambient Temperature		Entering Water Temperature			Leaving Water Temperature		
Heating							
-13°F (-25°C)		68°F (20°C)			77°F (25°C)		
-13°F (-25°C)		95°F (35°C)			113°F (45°C)		
14°F (-10°C)		113°F (45°C)			131°F (55°C)		
100°F (38°C)		113°F (45°C)			131°F (55°C)		
100°F (38°C)		68°F (20°C)			77°F (25°C)		
Cooling							
59°F (15°C)		54°F (12°C)			45°F (7°C)		
59°F (15°C)		86°F (30°C)			77°F (25°C)		
117°F (47°C)		86°F (30°C)			77°F (25°C)		
117°F (47°C)		54°F (12°C)			45°F (7°C)		

1. Heating at 47°F (8°C) based on In/Out. Water 86°F/95°F (30°C/35°C); Outside air 47°F (8°C); R.H. 85%.

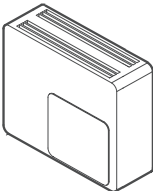
2. Heating at 5°F In/Out. Water 86°F/95°F (30°C/35°C); Outside air 5°F (-15°C).

3. Cooling In/Out. Water 54°F/45°F (12°C/7°C); Outside air 95°F (35°C).

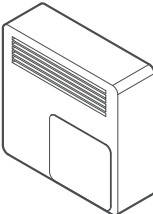
Technical Specifications

Models		P5	P7	P9	P11	P13	P15
Domestic Hot Water – Not Included in System ^{1,2}							
Continuous flow	GPM (m³/h)	1.2 (0.3)	1.5 (0.4)	1.7 (0.4)	1.9 (0.4)	2.2 (0.5)	2.5 (0.5)
Equivalent tank capacity	Gal (L)	50 (189.3)	51 (193.1)	52 (196.8)	55 (208.2)	60 (227.1)	64 (242.3)
Equivalent tank recovery time ³	Min	35	25	22	18	15	14
Hydraulic							
Nominal flow rate in heating	GPM (m³/h)	15 (3.4)	20 (4.6)	25 (5.7)	29 (6.6)	34 (7.7)	41 (9.3)
Nominal flow rate in cooling	GPM (m³/h)	11 (2.5)	18 (4.1)	21 (4.7)	24 (6.1)	27 (6.1)	33 (7.5)
Available pressure primary circuit	Ft H ₂ O (kPa)	24 (71.7)	20 (59.8)	18 (53.8)	23 (68.7)	20 (59.8)	19 (56.8)
Diameter of hydraulic fittings		1 in. (25.4 mm)					
Expansion vessel capacity	Gal (L)	0.5 (1.9)	0.5 (1.9)	1.1 (4.2)	1.1 (4.2)	1.6 (6.1)	1.6 (6.1)
Minimum system water content	Gal (L)	5.3 (20.1)	6.6 (25)	7.9 (29.9)	9.2 (34.8)	10.6 (40.1)	13.2 (50)
Refrigeration							
Compressor		Twin Rotary BLDC Inverter					
Refrigerant charge R-32	lb (kg)	3.96 (1.8)	3.96 (1.8)	6.16 (2.8)	6.16 (2.8)	8.36 (3.80)	8.36 (3.8)
Sound							
Outdoor unit sound pressure	dB(A)	45	47	48	49	47	51
Sound pressure outdoor unit	dB(A)	48	49	50	52	50	54
Electrical							
Power supply	V/Ph/Hz	230/1/60					
Max power input	kW	2.9	3.8	4.5	5.3	5.9	7.3
Max current absorbed	A	14	18	21.3	25	28	34.5
Degree of protection outdoor unit		IPX4					

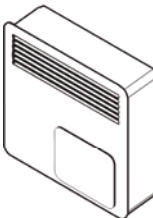
Outdoor Unit Dimensions



Top Discharge		P5T	P7T	P9T	P11T	P13T	P15T
Width	in (mm)	42.9 (1,089)	42.9 (1,089)	52.9 (1,344)	52.9 (1,344)	60.6 (1,539)	60.6 (1,539)
Height	in (mm)	36.4 (925)	36.4 (925)	42.9 (1,089)	42.9 (1,089)	56.8 (1,443)	56.8 (1,443)
Depth	in (mm)	12.6 (320)	12.6 (320)	13.7 (348)	13.7 (348)	16.0 (407)	16.0 (407)
Weight	lb (kg)	264 (119.8)	264 (119.8)	295 (133.8)	308 (139.7)	339 (153.8)	352 (159.7)



Side Discharge		P5S	P7S	P9S	P11S	P13S	P15S
Width	in (mm)	42.9 (1,089)	42.9 (1,089)	52.9 (1,344)	52.9 (1,344)	60.6 (1,539)	60.6 (1,539)
Height	in (mm)	45.3 (1,151)	45.3 (1,151)	51.8 (1,316)	51.8 (1,316)	64.9 (1,649)	64.9 (1,649)
Depth	in (mm)	12.6 (320)	12.6 (320)	13.7 (348)	13.7 (348)	16.0 (407)	16.0 (407)
Weight	lb (kg)	264 (119.8)	264 (119.8)	295 (133.8)	308 (139.7)	339 (153.8)	352 (159.7)



Recessed		P5R	P7R	P9R	P11R	P13R	P15R
Width	in (mm)	42.9 (1,089)	42.9 (1,089)	52.9 (1,344)	52.9 (1,344)	60.6 (1,539)	60.6 (1,539)
Height	in (mm)	45.3 (1,151)	45.3 (1,151)	51.8 (1,316)	51.8 (1,316)	64.9 (1,649)	64.9 (1,649)
Depth	in (mm)	13.1 (333)	13.1 (333)	14.1 (358)	14.1 (358)	16.3 (414)	16.3 (414)
Weight	lb (kg)	242 (109.8)	242 (109.8)	264 (119.8)	275 (124.7)	308 (139.7)	319 (144.7)

1. This model has the ability to interface with a hot water heat pump; however, this component is not included.

2. STØNE 's advanced domestic hot water system operates by directing cold water through a serpentine pipe within the preparation tank, where it undergoes instant heating. This process mirrors the functionality of an on-demand or tankless hot water system. The equivalent capacity value is supplied exclusively for comparative purposes, offering a reference point for comparison with a conventional hot water tank.

3. The equivalent recovery time is the duration it takes for the STØNE system to replenish the water utilized for heating in the holding tank, ensuring the system can continue supplying hot water. This metric proves valuable when comparing it to the time required for a standard gas or electric hot water tank to recover.