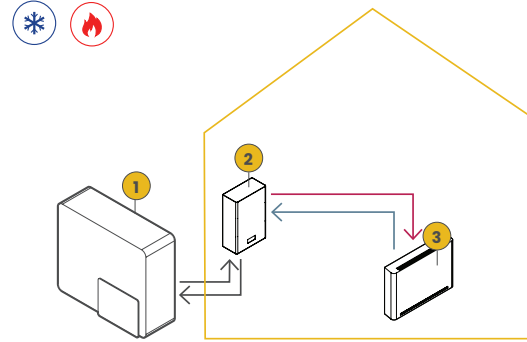


STØNE Architectural Split

Tailored for large homes, office buildings, hotels, and apartment buildings, the STØNE Architectural Split offers flexibility with a choice between a sleek floor-standing/wall-mounted unit or a recessed version. This system provides both heating and cooling capabilities. Comprising two components—an outdoor condenser unit and an indoor distribution system—these elements are seamlessly connected by refrigerant lines. The indoor unit is designed to fit into a small 20 in. by 13 in. (508 by 330 mm) cabinet without requiring additional clearance. The installation process is user-friendly, requiring no extensive technical expertise. The STØNE Architectural Split is available in five sizes, ranging from two to five tons, and is equipped to accommodate water loop heat pump terminals.



1. STØNE Architectural
2. Indoor distribution unit
3. Fan coils for heating and cooling

Key Specifications

Models		S5	S7	S9	S11	S13	S15
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

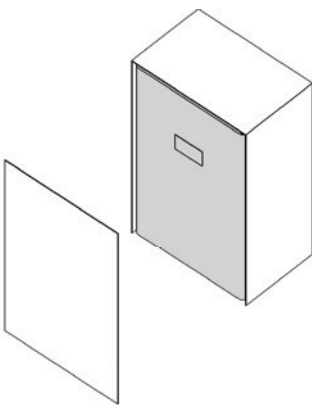
Models		S5	S7	S9	S11	S13	S15
Domestic Hot Water – not Included in System ^{1,2}							
Continuous flow	GPM (m³/h)	1.2 (0.3)	1.5 (0.4)	1.7 (0.4)	1.9 (0.4)	2.2 (0.5)	2.5 (0.5)
Equivalent tank capacity	Gal (L)	50 (189.3)	51 (193.1)	52 (196.8)	55 (208.2)	60 (227.1)	64 (242.3)
Equivalent tank recovery time 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)
Avail. 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	in (mm)	1 (25.4)					
Expansion vessel capacity	Gal (L)	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 DC Inverter					
Refrigerant charge R-32	lb (kg)	3.96 (1.8)	3.96 (1.8)	5.94 (2.7)	5.94 (2.7)	8.36 (3.8)	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
Sound pressure indoor unit	dB(A)	30	30	30	31	31	31
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					
Degree of protection indoor unit		IPX2					

Indoor Unit Dimensions*



		S5	S7	S9	S11	S13	S15
Width	in	19.7	19.7	19.7	19.7	19.7	19.7
	(mm)	(500)	(500)	(500)	(500)	(500)	(500)
Height	in	32.5	32.5	32.5	32.5	32.5	32.5
	(mm)	(826)	(826)	(826)	(826)	(826)	(826)
Depth	in	12.6	12.6	12.6	12.6	12.6	12.6
	(mm)	(320)	(320)	(320)	(320)	(320)	(320)
Weight	lb (kg)	90 (40.8)	90 (40.8)	90 (40.8)	90 (40.8)	90 (40.8)	90 (40.8)

Indoor Unit Clearances*



No clearance required. Recommended to leave 0.5 in. (12.7 mm) clear for vibrations.

*For outdoor unit dimensions and clearances, see pages 26-27.

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.