Ductless Mini Split:

♦ Heat Pump

♦ Single and multi-zone application flexibility.

♦ 20 to 21.5 SEER high efficiency models with capacities from 9,000 Btuh to 24,000 Btuh.

♦ Easy installation requiring no ductwork, a small hole for running power wiring and refrigerant lines is all that is needed to connect indoor and outdoor sections.

♦ Low profile indoor air handler is neutral color that blends with any decor.

♦ Next generation outdoor condenser with inverter compressor provides exceptionally quiet operation and intelligently adjusts speed to temperature conditions.

♦ Low noise.

♦ Low operating cost.

♦ Optional Wall Thermostat.

♦ Simple design makes it easy to remove and clean the washable filters.

♦ Intelligent Design allows system to intelligently adjust the angle of the louver to ensure greatest efficiency for heating and cooling. For more control, manually adjust louver as small as 6 degrees from using the hand-held remote.

Features:

• All models supplied with hand-held Infrared Remote Controller with easy-to-read LCD display. Factory installer operating features provide capacity to set temperature, louver control, fan speeds and more.

• Follow-Me Technology - Mode that activates a temperature sensor that is built into Infrared remote control. When you stay close to the remote control, the unit will continue to condition the space until you are comfortable.

• Turbo Mode - Air condition maximizes output of cooling and heating capacity, making the room cool down or heat up rapidly and attain the desired temperature in the shortest time.

• Auto Restart - If system shuts down due to power failure, system will restart with previous function setting when power is restored.

• Auto Level Swing Louvers - In cooling mode, louvers self adjust to horizontal position and circulate cold air more efficiently. In heating mode, louvers deflect hot air downward so hot air will rise and circulate keeping the room warm.

• 24 Hour Timer - Set a wide variety of timer based operations, start and stop at specific times. Control fan speed as well as cool, heat and auto from anywhere in the room.

• Sleep Mode - Enables the system to gradually decrease cooling or heating output automatically during night operation to maintain comfort level while saving energy.
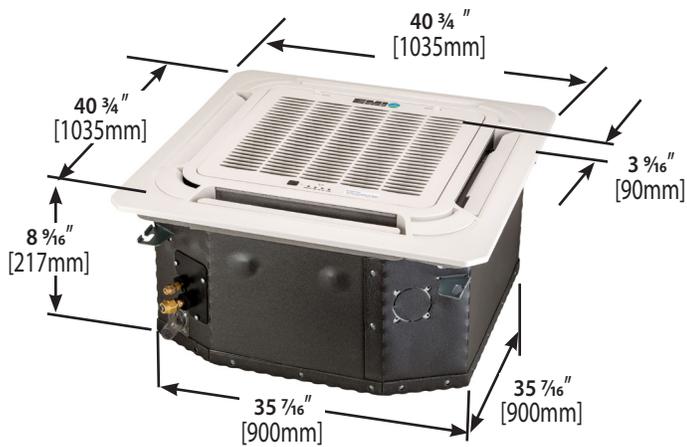
Single - Zone Systems
208V-230V 9-24K

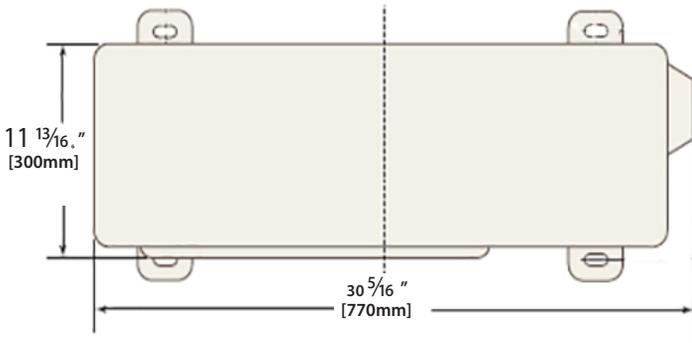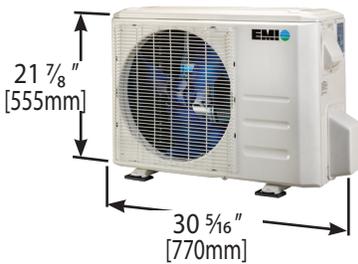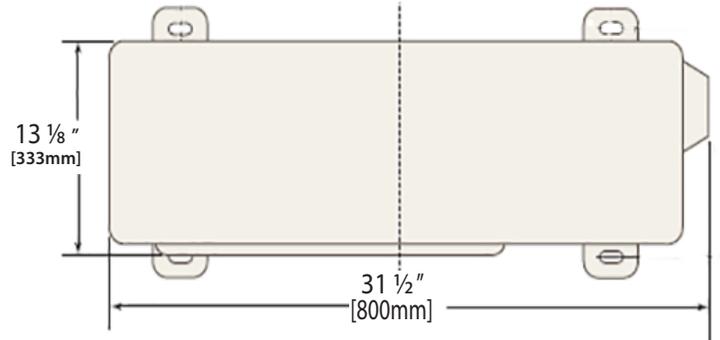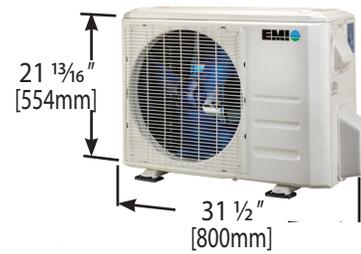| Model Indoor Outdoor			CASH09D SZ1H09D	CASH12D SZ1H12D	CASH18D SZ1H18D	CASH24D SZ1H24D
Power Supply		V-Hz-Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph
Cooling	Nominal Capacity	Btu/h	9000	12000	18000	24000
	EER	Btu/w	13.0	14.0	12.5	12.5
	SEER	Btu/w	20	21.5	20	20
Heating	Capacity	Btu/h	10000	12000	18000	24400
	HSPF4	Btu/w	10.5	10.5	10.3	10.5
Low Temperature Capacity (17F)		Btu/h	7962	7425	13856	17045
Low Temperature Capacity (-5F)		Btu/h	5408	4923	8102	9652
Operating Range Outdoor Unit	Cooling		(-13°F - 122°F)	(-13°F - 122°F)	(-13°F - 122°F)	(-13°F - 122°F)
	Heating		(-13°F - 86°F)	(-13°F - 86°F)	(-13°F - 86°F)	(-13°F - 86°F)
Indoor air flow (Hi/Mi/Lo)		CFM	374/301/257	379/309/261	560/TBD/TBD	100/TBD/573
Indoor noise level (Hi/Mi/Lo)		dB(A)	41/37/33	43/39/36	44/39/36	51/47/43
Indoor Unit	Dimensions (W*D*H)	inches	22 $\frac{7}{16}$ x 22$\frac{7}{16}$ x 10 ¼	22 $\frac{7}{16}$ x 22$\frac{7}{16}$ x 10 ¼	22 $\frac{7}{16}$ x 22$\frac{7}{16}$ x 10 ¼	35 $\frac{7}{16}$ x 35 $\frac{7}{16}$ x 8 $\frac{9}{16}$
	Dimensions (W*D*H)	mm	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	900 x 900 x 217
Indoor Unit Facia	Dimensions (W*D*H)	inches	28⅛ x 28⅛ x 4 $\frac{13}{16}$	28⅛ x 28⅛ x 4 $\frac{13}{16}$	28⅛ x 28⅛ x 4 $\frac{13}{16}$	40 ¾ x 40 ¾ x 3 $\frac{9}{16}$
	Dimensions (W*D*H)	mm	715 x 715 x 123	715 x 715 x 123	715 x 715 x 123	1035 x 1035 x 90
Refrigerant Piping	Liquid side/Gas side	mm (inch)	6.35 x 9.52 (¼" x ⅜")	6.35 x 12.7 (¼" x ⅜")	6.35 x 12.7 (¼" x ½")	9.52 x 15.9 (⅜" x ⅝")
Outdoor Unit	Dimensions (W*D*H)	inches	30 $\frac{5}{16}$ x 11 $\frac{13}{16}$ x 21⅞	31 ½ x 13 ⅛ x 21 $\frac{13}{16}$	33¼ x 14$\frac{5}{16}$ x 27 ⅝	37 ¼ x 16 $\frac{9}{16}$ x 31 ⅞
	Dimensions (W*D*H)	mm	770 x 300 x 555	800 x 333 x 554	845 x 363 x 702	946 x 420 x 810
Min Circuit Ampacity		Amps	10	12	15	18
Max Fuse Size		Amps	15	15	20	25
Thermostat Type - Standard - Supplied with unit			Handheld Remote Control	Handheld Remote Control	Handheld Remote Control	Handheld Remote Control
Thermostat Type - Optional Wired Wall - Purchase separately			Wall Thermostat	Wall Thermostat	Wall Thermostat	Wall Thermostat

CASH09D, CASH12D, CASH18D

28⅛"
[715mm]

28⅛"
[715mm]

10 ¼"
[260mm]

4 ¹³⁄₁₆"
[123mm]

22 ⁷⁄₁₆"
[570mm]

22 ⁷⁄₁₆"
[570mm]

CASH24D

40 ¾"
[1035mm]

40 ¾"
[1035mm]

8 ⁹⁄₁₆"
[217mm]

3 ⁹⁄₁₆"
[90mm]

35 ⁷⁄₁₆"
[900mm]

35 ⁷⁄₁₆"
[900mm]

SZ1H09D

21 ⅞"
[555mm]

30 ⁵⁄₁₆"
[770mm]

11 ¹³⁄₁₆"
[300mm]

30 ⁵⁄₁₆"
[770mm]

SZ1H12D

21 ¹³⁄₁₆"
[554mm]

31 ½"
[800mm]

13 ⅛"
[333mm]

31 ½"
[800mm]

SZ1H18D

27 ⅝"
[702mm]

33¼"
[845mm]

14 ⁵⁄₁₆"
[363mm]

33¼"
[845mm]

SZ1H24D

31 ⅞"
[810mm]

37 ¼"
[946mm]

16 ⁹⁄₁₆"
[420mm]

37 ¼"
[946mm]
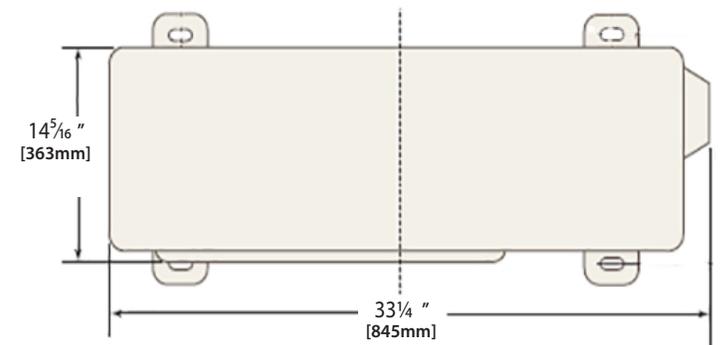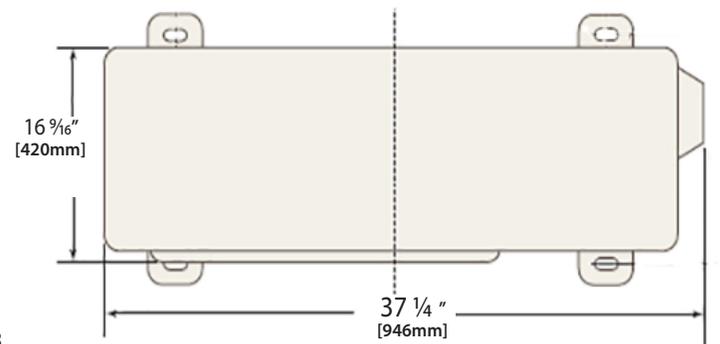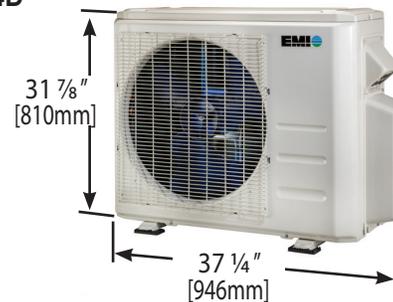
Handheld Remote Controller

Every EMI System comes with an easy to use handheld remote so you can adjust your comfort level at the touch of a button.

- Enabling "Follow Me" Technology. When "Follow Me" mode is activated, the system switches from air handler-mounted room temperature sensor, to the sensor inside of the infrared handheld remote control. The unit conditions the space where you are, with the remote close at hand.

- Enabling Timer Modes - On a schedule? Control variety of settings with precision through the Timer Mode. Never worry about arriving to a cold home again. If the system stops due to power outage, it will automatically restart to its last setting when the power comes back.

Optional Wired Wall Thermostat

Instead of a hand-held remote controller, the unit can be wired to I-verter wall mounted thermostat.

NOTICE: Due to ongoing product development; design, specification and performance data listed within this submittal document are subject to change without notice. Visit our website _enviromaster.com_ for the most current performance data or consult the factory.