

Quilt

Tech Specs



System Performance

Quilt is designed to be the most efficient way to heat and cool your home. Our performance metrics exceed industry standards, qualifying you for the maximum amount of rebates. Quilt Intelligence makes our system more efficient than anything available on the market today. Features like occupancy detection and schedules help save energy and lower your monthly electric bill.

20% more efficient than comparable ductless heat pumps on the market

80% more efficient at cooling than what most homes in North America have today*

400% more efficient at heating than what most homes in North America have today**

	2-zone system QO1-M2Z18-NC-NA	3-zone system QO1-M3Z27-NC-NA
SEER2	25	25.3
HSPF2 (Region IV)	12	12
HSPF2 (Region V)	9.5	9.5
EER2	14.5	13.65
CEE Tier (2025)	Tier 1 Path A & B	Tier 1 Path A & B
Energy Star™ Cold Climate	Yes	Yes
Cooling capacity range (BTU/h)	2,900 to 24,000 @ 95°F (35°C) 1,800 to 12,000 @ 95°F (35°C) per indoor unit when 2 are running simultaneously	4,350 to 32,000 @ 95°F (35°C) 2,175 to 12,750 @ 95°F (35°C) per indoor unit when 2 are running simultaneously and 1,570 to 10,670 @ 95°F (35°C) per indoor unit when 3 are running simultaneously
Heating capacity range (BTU/h)	3,400 to 25,200 @ 47°F (8°C) 2,100 to 12,600 @ 47°F (8°C) per indoor unit when 2 are running simultaneously	6,140 to 40,200 @ 47°F (8°C) 3,070 to 15,250 @ 47°F (8°C) per indoor unit when 2 are running simultaneously and 2,210 to 13,400 @ 47°F (8°C) per indoor unit when 3 are running simultaneously

Rated in accordance with AHRI standard 210/240 (AHRI #214609234 and #217933624)

Quilt's industry-leading SEER2 rating

Good 13-15	Better 16-19	Best 20-24	Quilt 25+
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Cutoff for Energy Star™ and state and federal rebates qualification

RATING CONDITIONS

Cooling
Outdoor: DB/WB 95°F (35°C)/75°F (24°C)
Indoor: DB/WB 80°F (27°C)/67°F (19°C)

Heating
Outdoor: DB/WB 47°F (8°C)/43°F (6°C)
Indoor: DB/WB 70°F (21°C)/60°F (16°C)

* The average North American home has central AC with a SEER2 of 14.

** A typical gas furnace delivers 4X less heat per unit of energy than Quilt.



Indoor Unit

Model QI1-M09-N-NA

Quilt

At only 7 7/8 in tall, our indoor units are built to fit into more spaces, blend in with your home style, and save you energy.

Brings room to temperature in minutes

Industry-leading millimeter wave occupancy detection technology*

Choice of two premium covers: real white oak veneer or a white paintable option that is ready for wallpaper

Over-the-air updates and upgradeable Sense module unlock new features and improved performance

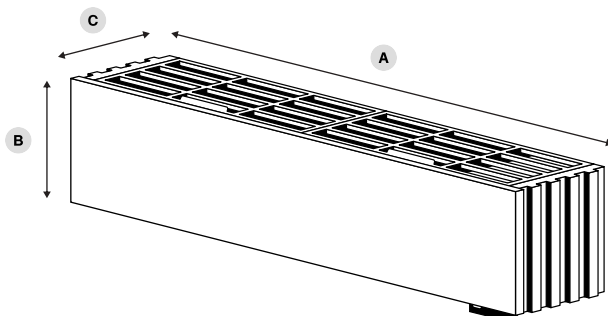
Built-in accent lighting with changeable colors and brightness

Sound pressure level	27 dBA to 48 dBA
Max airflow	Up to 353 cfm
Input power type	Powered from outdoor unit (208/230V, 60 Hz)
Rated input current	0.8 A
Recommended wire size (indoor to outdoor)	14 AWG

Operating temperature	32°F to 104°F (0°C to 40°C)
Operating altitude	Up to 6500 ft (2000 m)
Gas pipe OD and recommended line set	3/8 in (10 mm)
Liquid pipe OD and recommended line set	1/4 in (6 mm)
Min line set length per IDU	11 2/5 ft (3.5 m)
Max line set length per IDU	98 ft (30 m)

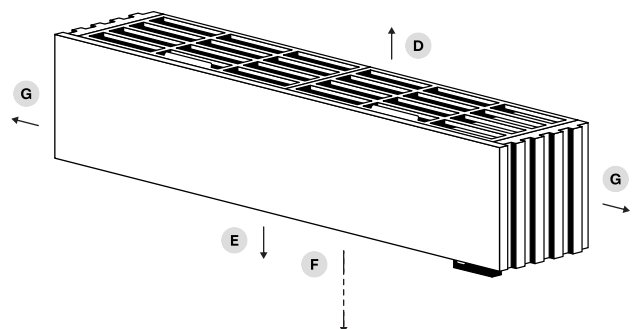
Overall dimensions**

A Width	38 1/4 in (971 mm)
B Height	7 7/8 in (200 mm)
C Depth	8 3/16 in (207 mm)
Weight	24 1/2 lbs (11 kg)



Recommended clearances

D From ceiling	4 in (102 mm) Minimum 2 1/2 in (64 mm) required
E Below	18 in (457 mm)
F From floor	6 ft (1.8 m)
G Sides	6 in (152 mm)



* Can detect presence within 15 ft (4.6 m).

** Visual dimensions of the outdoor unit. Small features extend past this envelope.

The information provided in this document is current as of April 2026. Contact partnersuccess@quilt.com with any questions.

Dial

Model QD1-CW

Quilt

Control any room in your home with our Dial, a compact smart thermostat that can live on the wall or on your tabletop.

Touchscreen and rotary dial for control

High resolution (326ppi) OLED display that is truly dark when off

Meticulously crafted and durable matte glass finish

Ambient room temperature, motion, and proximity detection

Provides both room-by-room and whole home control

Wall-mountable or tabletop

2.4 GHz/5 GHz Wi-Fi and Bluetooth 5.2 / BLE connectivity

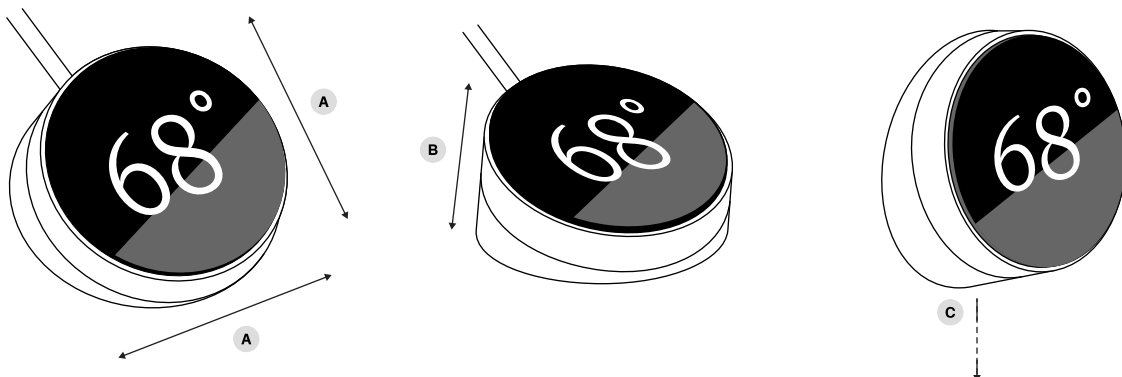
Supports in-wall wiring or plug-in AC adapter

Overall dimensions

A Width	2 ³ / ₁₆ in (58 mm)
B Height	1 ¹ / ₄ in (32 mm)

Recommended clearance (when wall mounted)

C From floor	3 to 5 ft (0.9 to 1.5 m)
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2-Zone Outdoor Unit

Model QO1-M2Z18-NC-NA

The compact 2-zone outdoor unit can power up to two indoor units quietly and efficiently.

Best-in-class variable speed compressor to achieve a wide range of heating and cooling outputs

Uses R32, a refrigerant with a global warming potential 3 times lower than typical residential systems

Matte black exterior to blend in

Can sit on the ground outdoors or be mounted and stacked on a wall

Quieter than a conversation at 50 dBA*

Indoor unit combination	Up to 2 indoor units (QI1-M09-N-NA)
Operating altitude	Up to 6,500 ft (2,000 m)
Refrigerant type	R32
Base refrigerant charge	3 lbs 3 oz (1450 g)
Max allowed refrigerant charge	4 lbs (1800 g)
Minimum room size	None

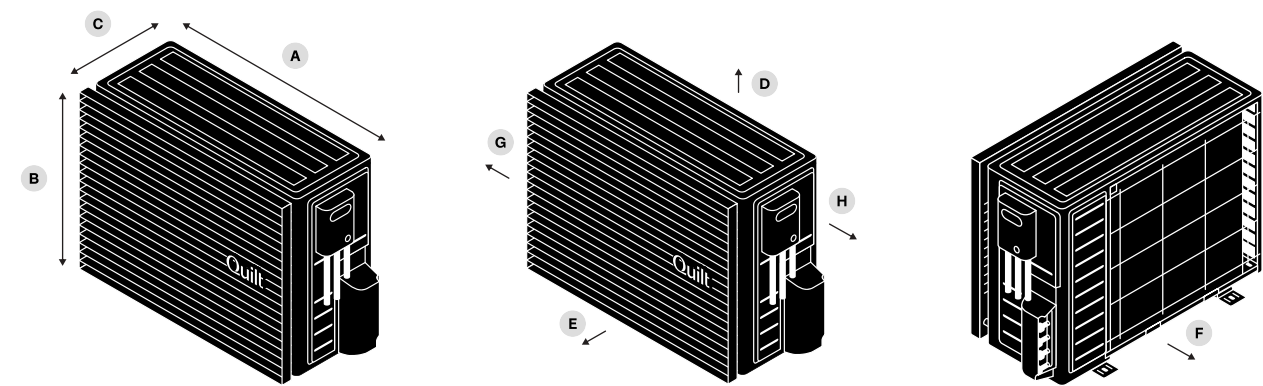
Overall dimensions**

A Width	35 1⁄16 in (890 mm)
B Height	26 9⁄16 in (675 mm)
C Depth	15 13⁄16 in (402 mm)
Weight	110 1⁄4 lbs (50 kg)

Recommended clearances

D Above	12 in (305 mm)
E Front	20 in (508 mm)
F Back	4 in (102 mm)
G Left side	4 in (102 mm)
H Right side	14 in (356 mm)

Minimum 10 in (254 mm) required



* Sound pressure level tested at AHRI rating conditions. Test tolerance +/- 3 dBA.
** Visual dimensions of the outdoor unit. Small features extend past this envelope.

2-Zone Outdoor Unit

Model QO1-M2Z18-NC-NA

Quilt

Cooling

Operating range	41°F to 128°F (5°C to 53°C)
Rated capacity (BTU/h)	16,000 @ 95°F (35°C)
Min capacity (BTU/h)	2,900 @ 95°F (35°C) 1,800 @ 95°F (35°C) per indoor unit when 2 are running simultaneously
Max capacity (BTU/h)	24,000 @ 95°F (35°C) 12,000 @ 95°F (35°C) per indoor unit when 2 are running simultaneously
Latent cooling capacity @ rated (all-zones, BTU/h)	3,300
Rated COP	4 @ 95°F (35°C)

Heating

Operating range	-15°F to 86°F (-26°C to 30°C)
Rated capacity (BTU/h)	18,000 @ 47°F (8°C)
Min capacity (BTU/h)	3,400 @ 47°F (8°C) 2,100 @ 47°F (8°C) per indoor unit when 2 are running simultaneously
Max capacity (BTU/h)	25,200 @ 47°F (8°C) 12,600 @ 47°F (8°C) per indoor unit when 2 are running simultaneously
Cold weather capacity (BTU/h)	18,000 @ 5°F (-15°C) 18,000 @ -5°F (-21°C) 16,000 @ -13°F (-25°C)
Rated COP	4 @ 47°F (8°C) 2 @ 5°F (-15°C)

Electrical

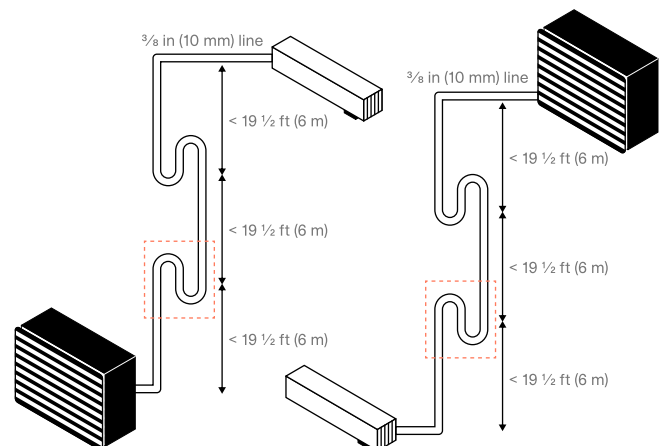
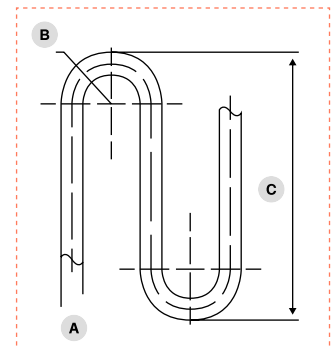
Input voltage	208/230 VAC
Input voltage range	180 to 265 VAC
Rated input current	11.6 A
Number of phases	1
Frequency	60 Hz
Recommended circuit breaker	20 A (25 A max)
MCA	16 A
MOCP	25 A
Recommended wire size	Follow NEC and local AHJ code

Line set

Gas pipe OD and recommended line set size	3/8 in (10 mm)
Liquid pipe OD and recommended line set size	1/4 in (6 mm)
Min line set length per IDU	11 2/5 ft (3.5 m)
Max line set length per IDU	98 ft (30 m)
Max cumulative line set length	164 ft (50 m)
Max height difference between IDU & ODU (requires oil S-trap every 19 1/2 ft or 6 m)	57 ft (17.5 m)
Max cumulative line set length without requiring additional refrigerant charge	49 ft (15 m)
Amount of additional charge if line set exceeds max length (above)	0.1 oz/ft (9 g/m)

Oil trap guidelines

- A 3/8 in (10 mm)
- B > 1 in (25 mm)
- C < 6 in (152 mm)



3-Zone Outdoor Unit

Model QO1-M3Z27-NC-NA

The 3-zone outdoor unit powers three indoor units while maintaining high efficiency and low turndown.

Best-in-class variable speed compressor to achieve a wide range of heating and cooling outputs

Uses R32, a refrigerant with a global warming potential 3 times lower than typical residential systems

Matte black exterior to blend in

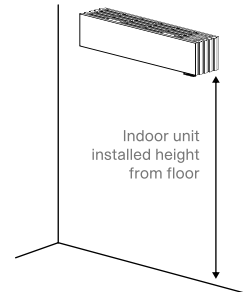
Can sit on the ground outdoors or be mounted and stacked on a wall

Quieter than a conversation at 52 dBA*

Indoor unit combination	2 or 3 indoor units (QI1-M09-N-NA)
Operating altitude	Up to 6,500 ft (2,000 m)
Refrigerant type	R32
Base refrigerant charge	5 lbs 5 oz (2400 g)
Max refrigerant charge	5 lbs 5 oz (2400 g)

Minimum room size

Installed height	Room size
6 ft (1.8 m)	93 ft ² (8.6 m ²)
7 ft (2.1 m)	80 ft ² (7.4 m ²)
8 ft (2.4 m)	70 ft ² (6.5 m ²)
9 ft (2.7 m)	62 ft ² (5.8 m ²)

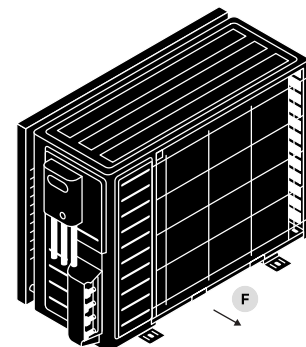
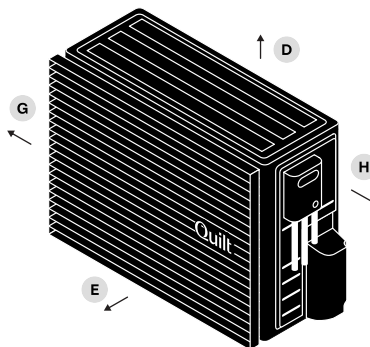
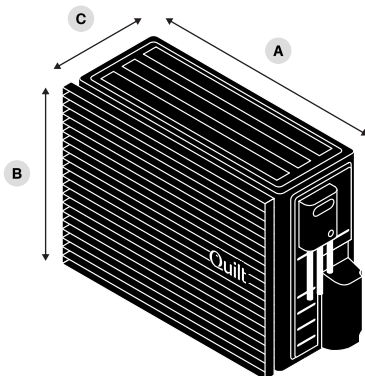


Overall dimensions**

A Width	36 9/16 in (929 mm)
B Height	30 7/16 in (773 mm)
C Depth	14 9/16 in (370 mm)
Weight	143 1/4 lbs (65 kg)

Recommended clearances

D Above	12 in (305 mm)
E Front	20 in (508 mm)
F Back	4 in (102 mm)
G Left side	4 in (102 mm)
H Right side	14 in (356 mm) Minimum 10 in (254 mm) required



* Sound pressure level tested at AHRI rating conditions. Test tolerance +/- 3 dBA.

** Visual dimensions of the outdoor unit. Small features extend past this envelope.

3-Zone Outdoor Unit

Model QO1-M3Z27-NC-NA

Cooling

Operating range	41°F to 128°F (5°C to 53°C)
Rated capacity (BTU/h)	24,000 @ 95°F (35°C)
Min capacity (BTU/h)	4,350 @ 95°F (35°C) 2,175 @ 95°F (35°C) per indoor unit when 2 are running simultaneously and 1,570 @ 95°F (35°C) per indoor unit when 3 are running simultaneously.
Max capacity (BTU/h)	32,000 @ 95°F (35°C)
Latent cooling capacity @ rated (all-zones, BTU/h)	3,800
Rated COP	4 @ 95°F (35°C)

Heating

Operating range	-15°F to 86°F (-26°C to 30°C)
Rated capacity (BTU/h)	27,000 @ 47°F (8°C)
Min capacity (BTU/h)	6,140 @ 47°F (8°C) 3,070 @ 47°F (8°C) per indoor unit when 2 are running simultaneously and 2,210 @ 47°F (8°C) per indoor unit when 3 are running simultaneously
Max capacity (BTU/h)	40,200 @ 47°F (8°C)
Cold weather capacity (BTU/h)	30,000 @ 5°F (-15°C) 28,200 @ -5°F (-21°C) 23,900 @ -13°F (-25°C)
Rated COP	4.2 @ 47°F (8°C) 2 @ 5°F (-15°C)

Electrical

Input voltage	208/230 VAC
Input voltage range	180 to 265 VAC
Rated input current	19.4 A
Number of phases	1
Frequency	60 Hz
Recommended circuit breaker	25 A (40 A max)
MCA	25 A
MOCP	40 A
Recommended wire size	Follow NEC and local AHJ code

Line set

Gas pipe OD and recommended line set size	3/8 in (10 mm)
Liquid pipe OD and recommended line set size	1/4 in (6 mm)
Min line set length per IDU	11 2/5 ft (3.5 m)
Max line set length per IDU	98 ft (30 m)
Max cumulative line set length	230 ft (70 m)
Max height difference between IDU & ODU (requires oil S-trap every 19 1/2 ft or 6 m)	98 ft (30 m)
Max cumulative line set length without requiring additional refrigerant charge	230 ft (70 m)

Oil trap guidelines

- A 3/8 in (10 mm)
- B > 1 in (25 mm)
- C < 6 in (152 mm)

