

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Reference: _____

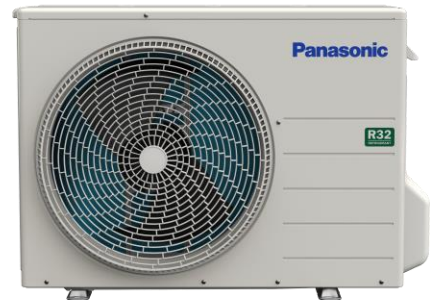
Date: _____

For: ☐ File ☐ Resubmit☐ Approval ☐ Other _____

Exterios

Indoor Unit: CS-Z9AKUAW

Outdoor Unit: CU-XZ9AKUAC



Cooling Mode Capacity:

Nominal Capacity (BTU/h) Min./Rated/Max)	2,900/8,700/12,600
Power Input (kW) (Min./Rated/Max.)	0.17/0.53/0.89

Heating Mode Capacity:

Nominal Capacity (BTU/h) Min./Rated/Max)	3,200/10,900/19,900
Power Input (kW) (Min./Rated/Max.)	0.16/0.67/1.78

Rating Standard AHRI 210/240:



SEER2	27.50
EER2	16.40
HSPF2	12.00
COP	4.79

Power Supply:

Power Supply (V/PH/Hz)	208-230/1/60
Max Current (A) / Max Input Power (W)	7.8 / 1,780
Starting Current (A)	3.4

Power Supply:

Cooling Amps (A)	
- 208 (Mid)	2.70
- 230 (Mid)	2.40
Heating Amps (A)	
- 208 (Mid)	3.40
- 230 (Mid)	3.00

Operating Capacity:

17°F: Rated Capacity (BTU/h) / I. Power (W)	14,500 / 1,600
5°F: Max Capacity (BTU/h)	11,700

Compressor:

Type	Inverter driven Hermetic rotary
Motor Type	Brushless (6-poles)
Output Power (W)	900

Noise Levels: Cooling

Indoor Noise (H / L / Q-Lo)(dB-A)	42 / 25 / 19
Indoor Power Level (dB)	58
Outdoor Noise Hi (dB-A)	47
Outdoor Power Level (dB)	62

Noise Levels: Heating

Indoor Noise (H / L / Q-Lo) (dB-A)	42 / 29 / 19
Indoor Power Level (dB)	58
Outdoor Noise Hi (dB A)	48
Outdoor Power Level (dB)	63

Operating Specification:

Min. Circuit Ampacity (A)	15
Max. Overcurrent Protection (A)	15
Moisture Removal L/h (Pt/h)	0.6 (1.3)
Power Supply	Outdoor
Thermostat	Electronic Control
Protection Device	Electronic Control
Refrigerant Cycle:	
- Control Device	Expansion Valve
- Refrigerant Oil cm ³	FW50S (450)
- Refrigerant Type, g (oz)	R32, 900 (31.8)

Indoor Fan Stats:

Fan Type	Crossflow Fan
Motor	DC (8-poles)
Input Power (W)	47.3
Output Power (W)	30

Outdoor Fan Stats:

Fan Type	Propeller Fan
Motor	DC (8-poles)
Input Power (W)	-
Output Power (W)	40

Indoor Fan Speeds:

QLo Cool/Heat (rpm)	490/500
Lo Cool/Heat (rpm)	630/710
Med. Cool/Heat (rpm)	850/910
Hi. Cool/Heat (rpm)	1,070/1,130
SHi Cool/Heat (rpm)	1,120/1,180

Outdoor Fan Speeds:

Hi. Cool/Heat (rpm)	840/820
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Indoor Heat Exchanger:

Fin Material	Aluminum (Pre-Coat)
Fin Type	Silt Fin
Row x Stage x FPI	2 x 17 x 21
Size (W x H x L) (in)	25-3/8 x 3-47/64 x 1/2 (sub eva) + 1 x 4 x 21 (sub eva)

Outdoor Heat Exchanger:

Fin Material	Aluminum (Blue-Coat)
Fin Type	Corrugated Fin
Row x Stage x FPI	2 x 28 x 19
Size (W x H x L) (in)	1-7/16 x 23-5/32 x 33-23/32:32-19/32

Indoor Operation Range:

Cooling	Dry Bulb	Wet Bulb
Minimum °F (°C)	60.8 (16)	51.8 (11)
Maximum °F (°C)	89.6 (32)	73.4 (23)
Heating		
Minimum °F (°C)	60.8 (16)	-/-
Maximum °F (°C)	86.0 (30)	-/-

Outdoor Operation Range:

Cooling	Dry Bulb	Wet Bulb
Minimum °F (°C)	0 (-17.8)	-
Maximum °F (°C)	114.8 (46)	78.8 (26)
Heating		
Minimum °F (°C)	-15 (-26)	-
Maximum °F (°C)	75.2 (24)	64.4 (18)

Indoor Fan Airflow:

Fan Setting	Cool	Heat
QLo (CFM)	148	152
Lo (CFM)	210	247
Med. (CFM)	309	337
Hi. (CFM)	410	435
SHi. (CFM)	431	458

Outdoor Fan Airflow:

Fan Setting	Cool	Heat
Hi. (CFM)	1185	1155



Piping Metrics

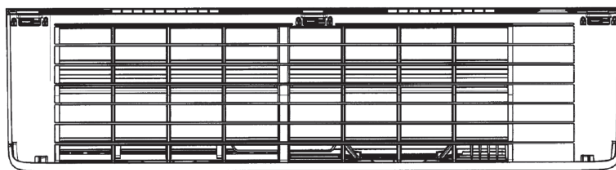
Pipe Diameter Liquid / Gas (In.)	
- Liquid	1/4"
- Gas	3/8"
Standard Length (Ft.)	25
Length Range (Ft) (min-max)	10 - 66
Indoor (CS) & Outdoor (CU) Max Height Difference (Ft)	49.2
Additional Gas Amount (oz/ft)	0.1
Length for Additional Gas (Ft)	25
Drain Hose	
- Inner Diameter (In.)	0.66
- Length (In.)	25.6

Dimensions & Weight

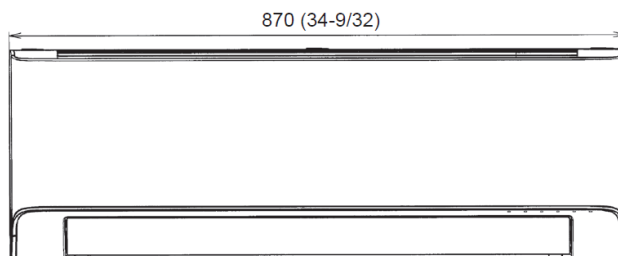
Height (in.)	
- Indoor	11-5/8
- Outdoor	24-1/2
Width (in.)	
- Indoor	34-9/32
- Outdoor	32-15/32
Depth (in.)	
- Indoor	9-1/32
- Outdoor	11-25/32
Weight (lb.)	
- Indoor	24
- Outdoor	79

Indoor Dimensions

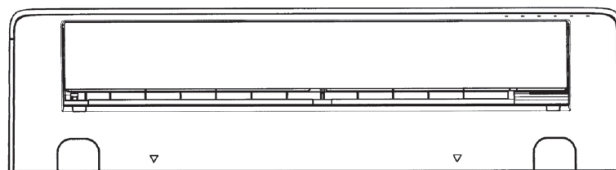
<Top View>



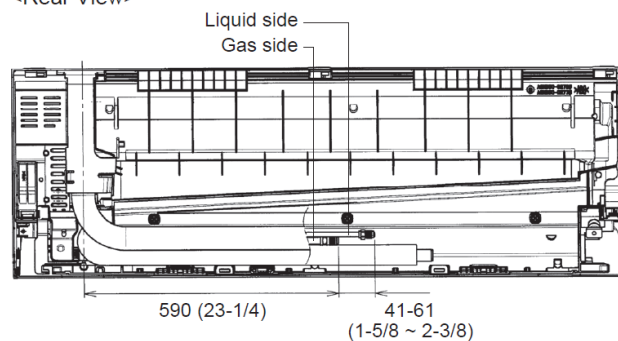
<Front View>



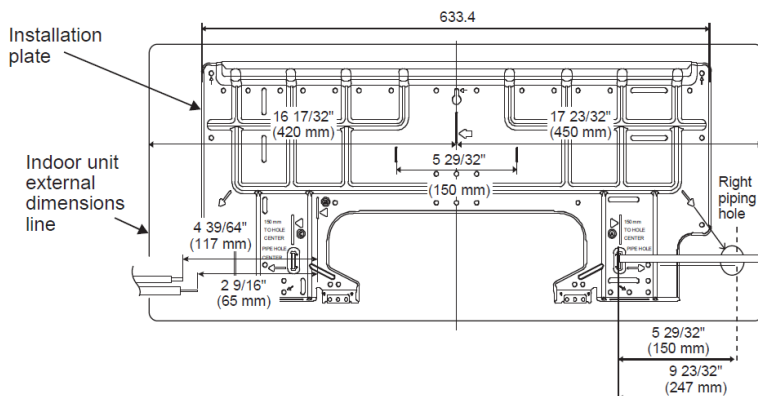
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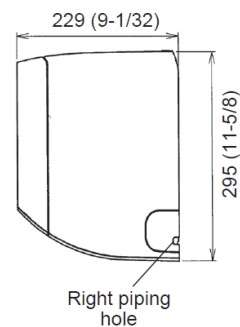
<Rear View>



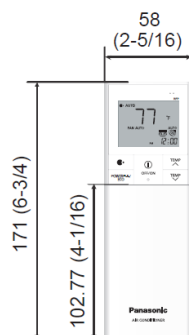
Relative position between the indoor unit and the installation plate <Front View>



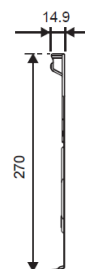
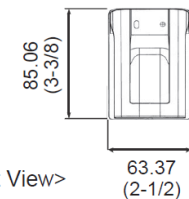
<Side View>



<Remote Control>



<Remote Control Holder>



Unit: mm (inch)

Outdoor Dimensions

