

Job Name: _____

Location: _____

Engineer: _____

Submitted to: _____

Reference: _____

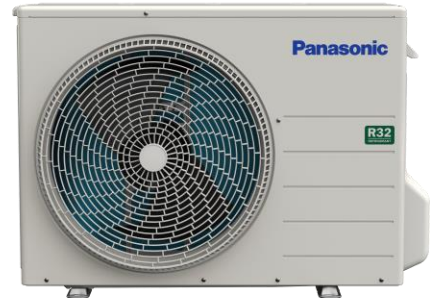
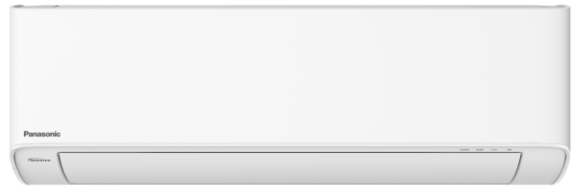
Date: _____

For: ☐ File ☐ Resubmit☐ Approval ☐ Other _____

Exterios

Indoor Unit: CS-Z12AKUAW

Outdoor Unit: CU-XZ12AKUAC



Cooling Mode Capacity:

Nominal Capacity (BTU/h) Min./Rated/Max)	2,900/11,500/16,100
Power Input (kW) (Min./Rated/Max.)	0.17/0.80/1.20

Heating Mode Capacity:

Nominal Capacity (BTU/h) Min./Rated/Max)	3,200/12,000/23,600
Power Input (kW) (Min./Rated/Max.)	0.16/0.79/1.90

Rating Standard AHRI 210/240:



SEER2	25.00
HSPF2	11.70

Operating Capacity:

17°F: Rated Capacity (BTU/h) / I. Power (W)	16,500 / 2,050
5°F: Max Capacity (BTU/h)	13,700

Power Supply:

Power Supply (V/PH/Hz)	208-230/1/60
Max Current (A) / Max Input Power (W)	8.9 / 1,900
Starting Current (A)	4.0

Compressor:

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

Power Supply:

Cooling Amps (A)	
- 208 (Mid)	4.00
- 230 (Mid)	3.60
Heating Amps (A)	
- 208 (Mid)	3.90
- 230 (Mid)	3.50

Noise Levels: Cooling

Indoor Noise (H / L / Q-Lo)(dB-A)	44 / 28 / 19
Indoor Power Level (dB)	60
Outdoor Noise Hi (dB-A)	48
Outdoor Power Level (dB)	63

Noise Levels: Heating

Indoor Noise (H / L / Q-Lo) (dB-A)	44 / 35 / 19
Indoor Power Level (dB)	60
Outdoor Noise Hi (dB A)	49
Outdoor Power Level (dB)	64

Operating Specification:

Min. Circuit Ampacity (A)	15
Max. Overcurrent Protection (A)	20
Moisture Removal L/h (Pt/h)	1.2 (2.5)
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)	660/860
Med. Cool/Heat (rpm)	880/1,020
Hi. Cool/Heat (rpm)	1,120/1,180
SHi Cool/Heat (rpm)	1,170/1,230

Outdoor Fan Speeds:

Hi. Cool/Heat (rpm)	860/860
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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)	224	314
Med. (CFM)	323	386
Hi. (CFM)	430	460
SHi. (CFM)	453	480

Outdoor Fan Airflow:

Fan Setting	Cool	Heat
Hi. (CFM)	1215	1215



Piping Metrics

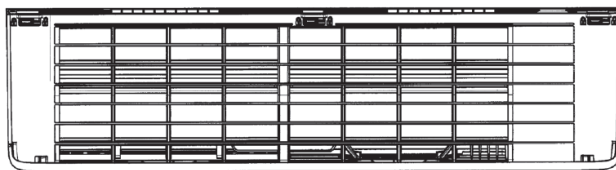
Pipe Diameter Liquid / Gas (In.)	
- Liquid	1/4"
- Gas	3/8"
Standard Length (Ft.)	25
Length Range (Ft) (min-max)	10 - 66
Indoor (CS) & Outdoor (CU) Max Height Difference (Ft)	49.2
Additional Gas Amount (oz/ft)	0.1
Length for Additional Gas (Ft)	25
Drain Hose	
- Inner Diameter (In.)	0.66
- Length (In.)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

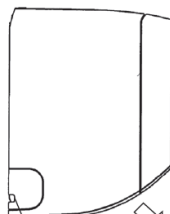
Indoor Dimensions

<Top View>



<Side View>

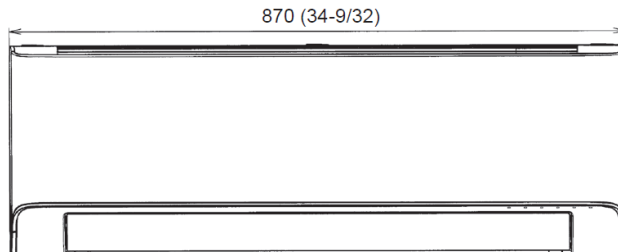
↓ Air intake direction



Left piping hole

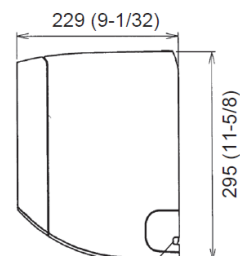
Air outlet direction

<Front View>



870 (34-9/32)

<Side View>

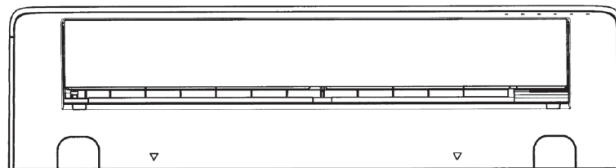


229 (9-1/32)

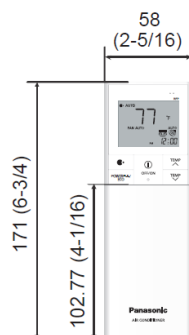
295 (11-5/8)

Right piping hole

<Bottom View>



<Remote Control>

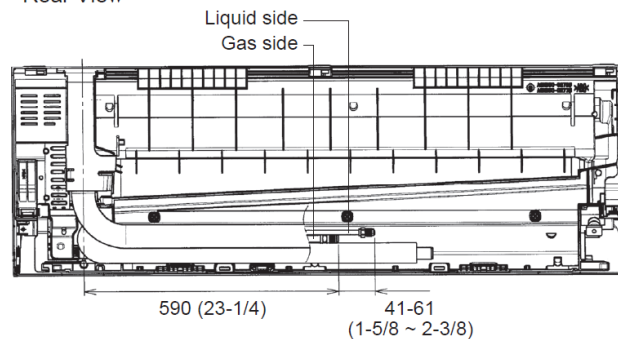


58 (2-5/16)

171 (6-3/4)

102.77 (4-1/16)

<Rear View>

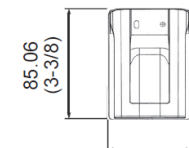


Liquid side
Gas side

590 (23-1/4)

41-61 (1-5/8 ~ 2-3/8)

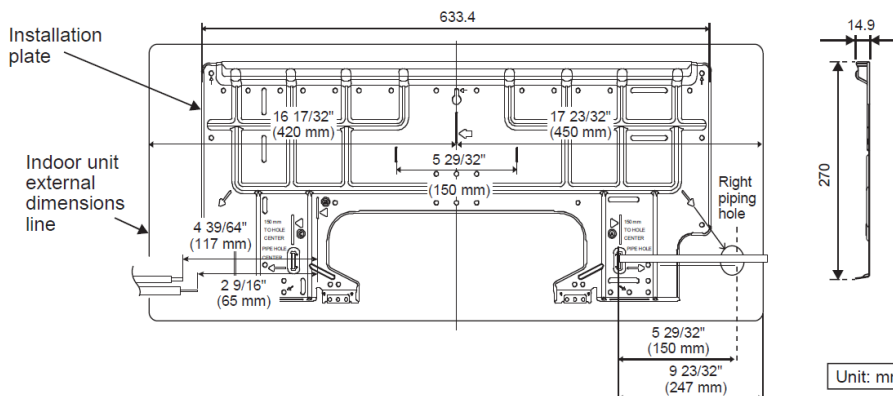
<Remote Control Holder>



85.05 (3-3/8)

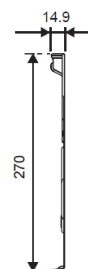
63.37 (2-1/2)

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



Installation plate

Indoor unit external dimensions line



270

Unit: mm (inch)

Outdoor Dimensions

