

## Split System Submittal Data

System: **KE12NB41** Indoor: **CS-KE12NB41** Outdoor: **CU-KE12NK1**  
**Ceiling Recessed Heat Pump**

Job Name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit#: \_\_\_\_\_  
 Drawing#: \_\_\_\_\_

General Data	
<b>Power (V/P/Hz)</b>	<b>115/1/60</b>
Circuit Ampacity (A)	20
Fuse Size, Max.(A)	20
<b>Compressor</b>	
	<b>DC Twin Rotary (Inverter)</b>
No. Used	1
R.L. Amps - L.R. (A)	9.8/10.6-20
Crankcase Heater (W)	20
Outdoor Unit	
Fan Type	Propeller
Dia (in.) - No. Speeds	15-3/4"-Auto(Hi and multi step)
Type Drive	Direct / DC Motor
No. Poles (RPM)	8-750
No. Motors (W)	1-30
F.L. Amps (A)	0.6
<b>Coil Type</b>	
	<b>Aluminum Fin and Copper Pipe</b>
Fin Type - Pipe Type	Corrugated Plate - Inner Rifled
Rows - F.P.I.	2-18.1
Face Area (sq.ft.)	3.95
Tube Size (in.)	5/16"
Indoor Unit	
Fan Type	Turbo
Diameter and Depth	12-5/8" x 5-3/4"
No. Speeds	Auto and 3 steps
No. Poles (RPM, High)	8-470 Cool / 520 Heat
No. Motors (W)	1-30
CFM (Hi/Med/Low) Cooling	235 / 206 / 194
CFM (Hi/Med/Low) Heating	268 / 247 / 224
Operating Sound-Hi/Me/Lo/ dB-A (H-C)	44 / 40 / 36
F.L. Amps	0.346
<b>Coil Type</b>	
	<b>Aluminum Plate Fin &amp; Copper Tube</b>
Fin Type - Pipe Type	Slit Plate - Inner Rifled
Rows - F.P.I.	2-18.1
Face Area (sq. ft.)	2.94
Tube Size (in.)	9-32"
Drain Connection Size (in.)	23/32"
<b>Refrigerant</b>	
	<b>R410A</b>
Lbs. - R410a (outdoor unit)	2.43



Refrigerant Control	Electronic Expansion Valve
Refrigerant Tubing Connections	Flare
Line Length, Max (ft.)	65'
Line Height Difference, Max (ft.)	23'
Line Size (in. O.D. Discharge)	1/4"
Line Size (in. O.D. Suction)	3/8"
Pre-charge, tubing length at shipment	25'
Dimensions (HxWxD)	
Indoor Unit (Crated) (in.)	11-13/32" x 24-13/16" x 28-1/8"
Indoor Unit (Uncrated) (in.) Body	11-5/32" x 22-5/8" x 22-5/8"
Indoor Unit (Uncrated) (in.) Body and Panel	12-5/16" x 24-19/32" x 24-19/32"
Outdoor Unit (Crated) (in.)	23-5/8" x 33-11/16" x 14-1/4"
Outdoor Unit (Uncrated) (in.)	21-9/16" x 28-11/32" x 10-1/16"
Weight (lbs.)	
(Indoor) Net	35.3
(Indoor) Shipping	41.9
(Outdoor) Net	77.2
(Outdoor) Shipping	83.8
(Indoor) Shipping Volume (cu.ft.)	4.59
(Outdoor) Shipping Volume (cu.ft.)	6.35

### Performance Data @ ARI Standard Conditions (115V)

Cooling	
Total Capacity (BTU/H)	11,900 (3,000-11,900)
Sensible Capacity (BTU/H)	7,200
Latent Capacity (BTU/H)	4,700
SEER	16
Dehumidification (Pints/H)	4.26
Amps (A)	12.6 (2.5-12.6)
Power Inputs (W)	1260 (250-1260)
Outdoor Sound Rating (dB-A)	51
Heating	
Total Capacity (BTU/H)	13,600 (3,000-13,600)
HSPF	8.5
Amps (A)	14.6 (2.5-14.6)
Max Amps	
Power Inputs (W)	1,460 (250-1,460)
Back-up Strip Heater	0.00/0.00
Outdoor Sounds Rating (dB-A)	51

### Features

Controls	Microprocessor
Remote Controller	LCD Wireless Type, Temp. Sensor Built In
Temperature Control	IC Thermistor
Timer	24 Hour, Single Event, ON/OFF Timer

Night Setback	Included
One Hour OFF Timer	Included
Air Louver, 4 Way Panel, Control	(CZ-18BT1U)-4-Automatic/Sweep/Step
Power Failure Automatic Restart	Included
Condensate Drain Pump	Included
Self-Diagnosis	Included
High Power	Included
Quiet Operation	Included
Air Filter	Washable, Anti-Mold

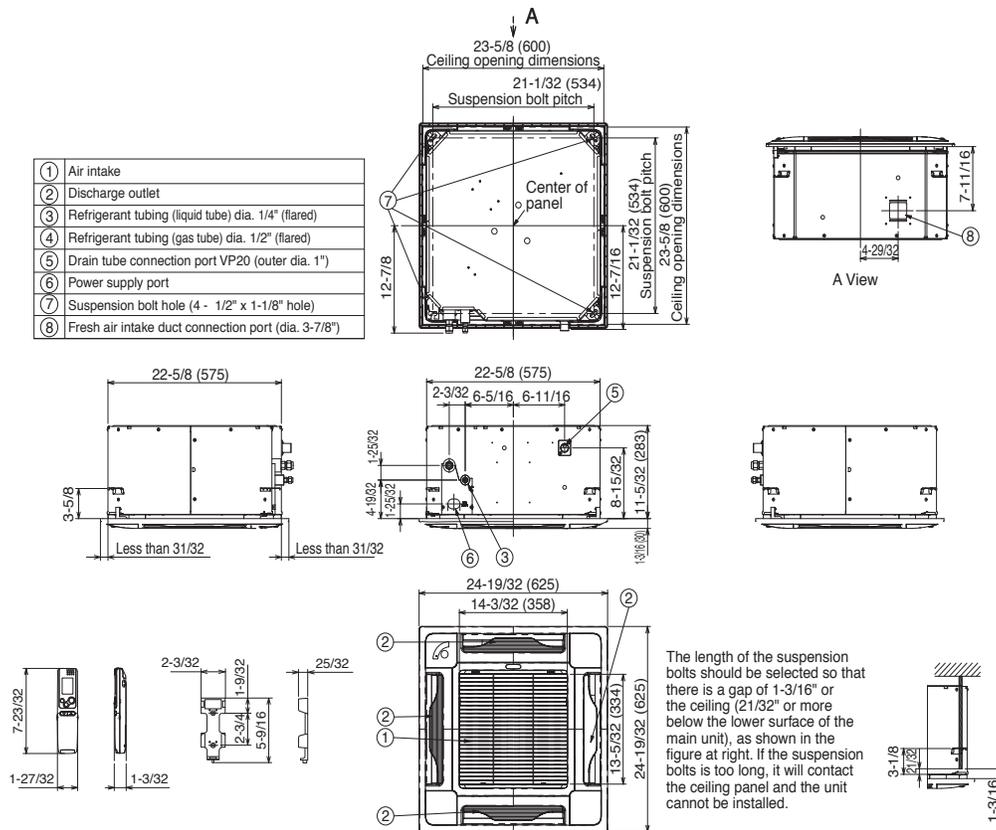
### Options

Refrigerant Line Set	Available
Fresh Air Intake	Knock-Out (Dia. 3-7/8")
Air Duct Extension	N/A
Hard Wired Remote Control	Available / Model Number-CZ-RD515U
Non-Removable, Locking Remote-Control Bracket	Available

Operating Range	Indoor Air Intake Temp	Outdoor Air Intake Temp
Cooling (Max)	95F DB/71F WB	115F DB
Cooling (Min)	67F DB/57F WB	0F DB
Heating (Max)	80F DB/67F WB	75F DB/65F WB
Heating (Min)	-DB/-WB	0F DB



# Indoor Dimensions



# Outdoor Dimensions

