

Split System Submittal Data

Ceiling Recessed Heat Pump

System: KE12NB41

Indoor/Outdoor: CS-KE12NB41/ CU-KE12NK1

Grille: CZ-18BT1U

Job Name: _____
 Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____



General Data (at 115V)

Power	V/PH/Hz	115/1/60
Circuit Ampacity	(A)	20
Fuse Size, Max.	(A)	20

Compressor	DC Rotary Inverter	
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		15-3/4-1
Type Drive - No. Speeds		Direct-3
No. Poles	(RPM)	8-750
No. Motors	(W)	30-1
CFM	(HIGH)	1059
F.L. Amps	(A)	0.6

Coil Type	Aluminum Fin and Copper Pipe	
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
Dia. & Length (in.) - No. Speeds		12-5/8/5-3/4-1
No. Speeds		3+Auto
No. Poles	(RPM, High)	8-520
No. Motors	(W)	30-1
CFM	(Hi/Med/Low)	235/206/194
Indoor Sound Rating	(Hi) (dB-A)	34
F.L. Amps	(A)	.346

Coil Type	Aluminum Plate Fin & Copper Tube	
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"

Refrigerant	R410A
Lbs. - R410a (outdoor unit)	2.43
Control	Electric Expansion Valve
Connection	Flare
Line Length, Max (ft.)	65
Lift Difference, Max (ft.)	23
Line Size (in O.D. Discharge)	1/4"
Line Size (in O.D. Suction)	3/8"

Dimensions (in.)	H x W x D
Indoor Unit (uncrated)	12-5/16 x 24-19/32 x 24-19/32
Indoor Unit (crated)	11-13/32 x 24-13/16 x 28-1/8
Outdoor Unit (uncrated)	21-9/16 x 28-11/32 x 10-1/16
Outdoor Unit (crated)	23-5/8 x 33-11/16 x 14-1/4

Weight	Indoor	Outdoor
Net	(lbs.) 35.3	77.2
Shipping	(lbs.) 41.9	83.8

Shipping Volume	(cu.ft.) 4.59	6.35
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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

➔➔➔ Dimensions

Heating

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 Thermostat
Timer	24 Hr Program; 1HR ON/OFF
Night Setback	Built-In
Air Louver	Automatic
Power Failure Automatic Restart	Built-In
Self-Diagnosis	Built-In
Air Filter	Washable, Anti-Mold
Quiet Operation	Built-In

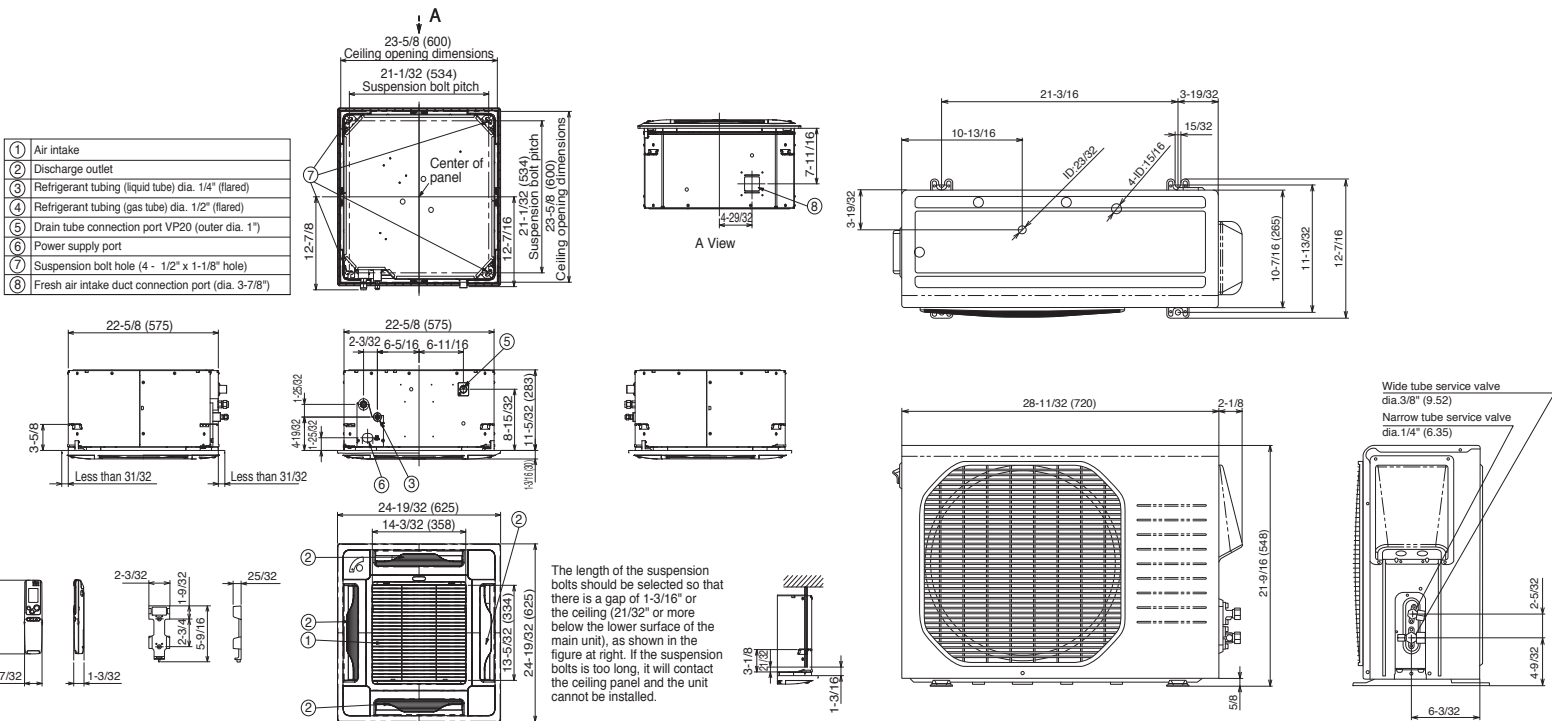
Options

Refrigerant Line Set	Available
Fresh Air Intake	Knock-out
Air duct Extension	N/A
Condensate Drain Pump	Standard
Hard Wired Remote Controller	Available
Non-Removeable Locking Remo-con Bracket	Available

Operating Range

Cooling	Maximum	IndoorAirIntakeTemp. OutdoorAirIntakeTemp.	
		Minimum	95F DB/71F WB
		67F DB/57F WB	0F DB

Heating	Maximum	IndoorAirIntakeTemp. OutdoorAirIntakeTemp.	
		Minimum	80F DB/67F WB
		-DB/-WB	0F DB



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