

Single Zone Heat Pump Ductless System

Outdoor Model: D5CUHAH18AAK
Indoor Model: D5FUAAH18XAK

Job Data:
Tag #:
Date:

Location:
Carrier#:



OUTDOOR STANDARD FEATURES

- Variable Speed (Inverter)
- Factory installed Base Pan Heater
- Factory installed Crankcase Heater
- Built-In 24V Interface
- Conventional Lineset
- Low Voltage Controls
- Reverse Fan Operation
- Condenser High Temp Protection
- Quiet operation
- Anti-corrosive fin coating

INDOOR STANDARD FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Factory installed leak detection system
- Conventional Lineset
- Dual Voltage (115V/230V)
- Constant Air Motor/Blower
- Quiet indoor operation
- Anti-corrosive fin coating

RESIDENTIAL APPLICATION LIMITED WARRANTY*

- Ten (10) years if properly registered within ninety (90) days after original installation, parts are warranted to the original purchaser for a period of ten (10) years. Otherwise, parts warranty is five (5) years.

NOTE: Images for illustration purposes only. Actual models may be slightly different.

Outdoor - Heat Pump				
System	Outdoor Model #		D5CUHAH18AAK	
	Outdoor Size		18000	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208-230/1/60	
	MCA	A.	16	
	MOPA	A.	20	
	SCCR	KA	5	
Operating Range	Cooling Outdoor DB Min - Max	*F(°C)	-22~-122(-30~50)	
	Heating Outdoor DB Min - Max	*F(°C)	-22~-75(-30~24)	
Piping	Min. Piping Length	ft (m)	9.8 (3)	
	Standard Piping Length	ft. (m)	24.6 (7.5)	
	Total Piping Length	ft (m)	98.42(30)	
	Piping Lift	ft (m)	65.62(20)	
	Pipe Connection Size - Liquid	in (mm)	3/8in(9.52mm)	
	Pipe Connection Size - Suction	in (mm)	3/4in(19mm)	
Refrigerant	Refrigerant Type		R454B	
	Charge	lbs (kg)	4.63(2.1)	
	Add'l Refrigerant (between Std & Max Piping Lengths)	Oz/ft (g/m)	0.7(65)	
Outdoor Coil	Face Area	Sq. Ft.	5.9	
	No. Rows		2	
	Fins per inch		20	
	Circuits		6	
Compressor	Type		ROTARY	
	Model		KTM240D46UKT2	
	Oil Type		ESTER OIL	
	Oil Charge	Fl. Oz.	20.97	
Airflow & Sound	Rated Current	RLA	4.15/9.30	
	Airflow	CFM	1766.8	
Dimensions	Sound Pressure	dB(A)	59	
	Height	in (mm)	26.5(673)	
	Width	in (mm)	35.04(890)	
	Depth	in (mm)	13.46(342)	
	Net Weight	lbs (kg)	101.41(46)	
	Shipping Height	in (mm)	29.13(740)	
	Shipping Width	in (mm)	39.17(995)	
	Shipping Depth	in (mm)	15.67(398)	
	Shipping Net Weight	lbs (kg)	109.13(49.5)	

* Condensing unit above or below indoor unit

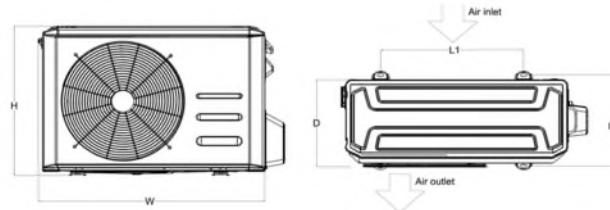
D5CUHAH18AAK / D5FUAAH18XAK System Accessories		
Standard	Wireless Remote Controller (*F/°C Convertible)	
Optional	Wired Remote Control 7 Day Programmable	KSACN1401AAA

Indoor - Heat Pump			
System	Indoor Model #		D5FUAAH18XAK
	Indoor Size		18000
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	115-208-230/1/60
	Power Supply	Indoor unit powered separate from outdoor unit	
	MCA	A.	4
Operating Range	Cooling Indoor DB Min - Max	*F(°C)	60~90(16~32)
	Heating Indoor DB Min - Max	*F(°C)	32~86(0~30)
Indoor Coil	Face Area	Sq. Ft.	3
	No. Rows		3
	Fins per inch		20
	Circuits		6
Indoor Unit	Number of Fan Speeds		550/510/450
	Airflow (highest to lowest)	CFM	618.03~488.54
	Sound Pressure	dB(A)	33
Dimensions	Height	in (mm)	45.00(1143)
	Width	in (mm)	17.52(445)
	Depth	in (mm)	21.02(534)
	Net Weight	lbs (kg)	105.82(48)
	Shipping Height	in (mm)	21.20(640)
	Shipping Width	in (mm)	48.23(1225)
	Shipping Depth	in (mm)	21.06(535)
	Shipping Net Weight	lbs (kg)	126.76(57.5)

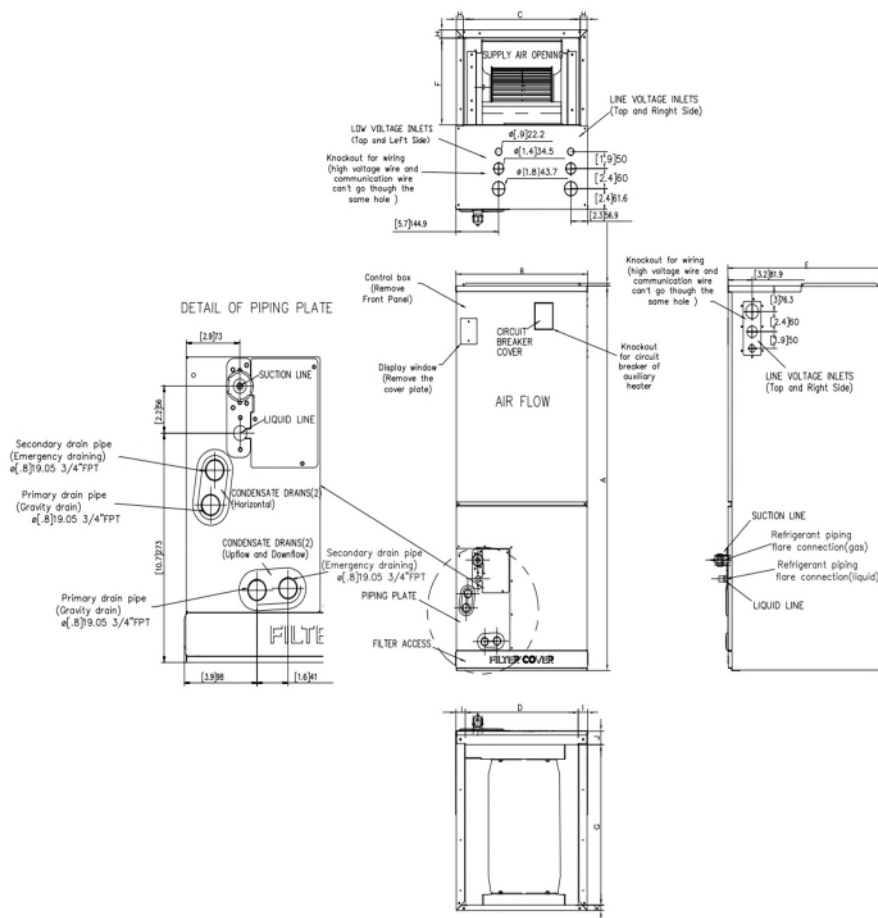
D5CUHAH18AAK / D5FUAAH18XAK System Performance		
Cooling Rated Capacity (DOE A2 - 95°F)		18000
Cooling Capacity Range		5600~22000
SEER2	Btu/h	19
EER2 (DOE A2 - 95°F)	Btu/h	12.5
Heating Rated Capacity (DOE H12 - 47°F)		19000
Heating Capacity Range		6000~22000
COP (DOE H12 - 47°F)	Btu/h	3.2
HSPF2 IV	Btu/h	9.8
HSPF2 V	Btu/h	8
Cooling Rated Capacity (DOE B2 - 82°F)		19400
EER2 (DOE B2 - 82°F)	Btu/h	16
Heating Rated Capacity (DOE H32 - 17°F)		15000
COP (DOE H32 - 17°F)	W/W	2.6
Heating Maximum Capacity (17°F)		21600
Heating Rated Capacity (DOE H42 - 5°F)		18000
COP (DOE H42 - 5°F)		2
Heating Maximum Capacity (5°F)		18000



R-454B



OUTDOOR UNIT DIMENSIONS						
Capacity	Unit	W	D	H	L1	L2
18K/24K	mm	890	342	673	663	346.67
	inch	35.04	13.46	26.5	26.1	13.65
30K	mm	946	410	810	672.96	402.6
	inch	37.24	16.14	31.89	26.49	15.85
36K/48K	mm	980	415	975	616	415
	inch	38.58	16.34	38.39	24.25	16.31
60K	mm	952	415	1333	634	404
	inch	37.48	16.34	52.48	25	15.9



Dimensions		Model(Btu/h)		18K/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346		
B	Model Width	17.5	445	21	534	24.5	622		
C	Supply Air Opening Width	15.6	397	19.1	486	22.6	575		
D	Return Air Opening Width	15.1	384	18.6	473	22.1	562		
E	Model Depth	21	534	21	534	21	534		
F	Supply Air Opening Depth	10.3	260	10.3	260	10.3	260		
G	Return Air Opening Depth	18.8	476	18.8	476	18.8	476		
H	Supply Air Opening Clearance	.9	24	.9	24	.9	24		
I	Return Air Opening Side Clearance	1.3	32	1.3	32	1.1	28		
J	Return Air Opening Front Clearance	1.5	38	1.6	41	1.6	41		
K	Return Air Opening Back Clearance	.6	16	.6	16	.8	19		
J	Refrigerant piping flareconnection(gas)	.8	19	.8	19	.9	22		
K	Refrigerant piping flareconnection(liquid)	.4	9	.4	9	.4	9		



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