

# Slim Duct Heat Pumps



heating & cooling solutions

E9SD3UAW / E12SD3UAW / E18SD3UAW **NEW**

- Low Profile Concealed Hidden in Ceiling or Floor
- Provides Heating in Winter and Cooling in Summer
- Energy Efficient Inverter Driven Compressor
- Energy Efficient DC Fan Motor
- Air Flow Adjustment Dip Switch on Indoor Circuit Board



(E9, E12 Only)

Blue Fin  
Condenser



Outdoor Unit  
CU-E9SD3UA  
CU-E12SD3UA

Blue Fin  
Condenser



Outdoor Unit  
CU-E18SD3UA



Wireless Controller with Receiver/Cable (Included)



Wired Controller with 32 ft cable CZ-RD52DU (Optional)



Pipe diameters listed below are for single zone only. Multi zone pipe diameters on page 45.

		Slim Duct			
Indoor Single or Multi		Single or Multi	Single or Multi	Single or Multi	Single or Multi
Series		E9SD3UA	E12SD3UA	E18SD3UA	E18SD3UA
Indoor Unit (order #)		CS-E9SD3UAW	CS-E12SD3UAW	CS-E18SD3UAW	CS-E18SD3UAW
Outdoor Unit (order #)		CU-E9SD3UA	CU-E12SD3UA	CU-E18SD3UA	CU-E18SD3UA
<b>Performance Ratings</b>					
Capacity	Cooling	Btu/h	9000(4100-10200)	11500(4100-13300)	17200(5800-19400)
Rated (Range)	Heating	Btu/h	12000(4100-14100)	13800(4100-16300)	20800(5800-24200)
Moisture Removal	High	Pints/H	1.30	1.70	4.60
Dry Air Flow	High	CFM	475	475	540
SEER	Cooling		20.5	20.0	16.5
EER	Cooling		13.00	12.50	10.90
HSPF	Heating	Btu/h	10.0	10.0	8.5
Power Supply	V, Phase, Hz		208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz
Running Amps	Cooling	A	3.6 / 3.2	4.7 / 4.2	8.5 / 7.6
	Heating	A	5.7 / 5.1	6.3 / 5.6	9.8 / 8.7
Power Input	Cooling	W	690(250-850)	920(250-1150)	1.58k(430-1820)
	Heating	W	1.12k(200-1500)	1.25k(200-1710)	1.83k(380-2180)
Auxiliary Heater Connection	in. WC		Yes	Yes	Yes
Fuse or Circuit Breaker Capacity	A		15	15	25
<b>Features</b>					
Controls			Microprocessor	Microprocessor	Microprocessor
Low Ambient Control			Built-in	Built-in	Built-in
Wireless Controller			Included	Included	Included
Wired Remote Controller (optional)			CZ-RD52DU	CZ-RD52DU	CZ-RD52DU
Indoor Fan Speeds			5 speeds	5 speeds	5 speeds
Air Filter			NA	NA	NA
Duct Flange			NA	NA	NA
Refrigerant			R-410A	R-410A	R-410A
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve
Operation Sound	Indoor (Hi/Med/Lo)	dB-A	35 / 28 / 25	35 / 28 / 25	41 / 30 / 37
	Outdoor (Hi)	dB-A	48	49	49
Refrigerant Piping	Type		Flare	Flare	Flare
	Discharge	inches	1/4	1/4	1/4
	Suction	inches	3/8"	1/2	1/2
Refrigerant Pipe Length		Ft.	Max. 65.6	Max. 65.6	Max. 100
Elevation Difference	Outdoor Above	Ft.	49.2	49.2	49.2
	Outdoor Below	Ft.	49.2	49.2	49.2
<b>Dimensions &amp; Weight</b>					
Indoor	Height	inches	7-7/8	7-7/8	7-7/8
	Width	inches	29-17/32	29-17/32	29-17/32
	Depth	inches	25-7/32	25-7/32	25-7/32
	Weight	Lbs.	42.0	42.0	42.0
Outdoor	Height	inches	21-11/32	21-11/32	31-5/16
	Width	inches	30-23/32	30-23/32	34-15/32
	Depth	inches	11-13/32	11-13/32	12-5/8"
	Weight	Lbs.	82.0	82.0	132.0

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