

# Slim Duct Heat Pumps

## E9SD3UAW / E12SD3UAW / E18SD3UAW

- 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)



**Outdoor Unit**  
CU-E9SD3UA  
CU-E12SD3UA



**Outdoor Unit**  
CU-E18SD3UA



Wireless Controller with Receiver/Cable (Included)



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

### Built-In Drain Pump

Drain pump is built into the unit to raise the condensate up 20 inches from the drain pump discharge.



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	
Series		E9SD3UA		E12SD3UA		E18SD3UA	
Indoor Unit (order #)		CS-E9SD3UAW		CS-E12SD3UAW		CS-E18SD3UAW	
Outdoor Unit (order #)		CU-E9SD3UA		CU-E12SD3UA		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		
Static Pressure	(Standard / Switch Hi)	inch w.g.	0.10 / .022	0.10 / .022	0.10 / .023		
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>							
<b>Controls</b>		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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