

The latest breakthrough in energy efficiency and high performance

ClimaPure™ **XE**



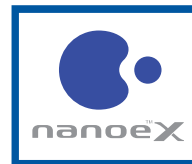
WALL MOUNTED HEAT PUMP COLD CLIMATE SERIES

The new ClimaPure™ XE ductless heating and air conditioning system features nanoe™ X — a built-in air and surface purification technology that provides a comfortable environment for occupants by reducing pollutants and odors. nanoe™ X penetrates deep into the fibers of carpets and furniture to inhibit pollutants and odors. Featuring whisper-quiet heating and cooling and advanced built-in air purification technology, the XE series sets a new standard for a comfortable indoor environment.



Low Ambient Heating -26.1°C (-15°F)

Operational heat capacity down to -26.1°C (-15°F) provides heating in extreme cold regions. Low Ambient performance specifications qualifies ClimaPure™ XE series for most air source heat pump rebate programs.



nanoe™ X Air and Surface Purification

nanoe™ X generates large quantities of hydroxyl radicals that are distributed throughout the room to reduce air and surface pollutants and odors resulting in a cleaner living environment. See pages 4-9. ClimaPure™ XE series also offers an optional CZ-SA321P filter to further reduce PM2.5.



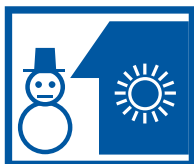
Helps Prevent Freezing with Base Pan Heater

Base Pan Heater is included with ClimaPure™ XE models and operates during defrost cycles to help prevent frozen condensate. Multiple drain holes to help prevent frozen condensate build up.



Built-in Wi-Fi with Panasonic Control App

Manage all function of the mini-split from any location using ClimaPure™ XE series Built-in Wi-Fi with Panasonic Control App. Set up user rights to manage scalability up to 200 units in 10 locations.



Room Freeze Protection

Helps prevent plumbing damage due to sub-freezing temperatures. Automatically turns on compressor for heat pump operation if the room temperature falls below 7.8°C (46°F).



High Energy Efficiency

Provides high energy efficiency up to 28.2 SEER, 14.5 HSPF which reduces operating costs.



Inverter Technology

Panasonic inverter technology provides optimum power control and extremely efficient operation by modulating the compressor capacity. The result is efficient and flexible operation using less electricity.



Blue Fin Condenser

Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has extended the life of its condensers with an anti-rust coating.

WALL MOUNTED HEAT PUMP COLD CLIMATE SERIES

System		XE9WKUA			XE12WKUA			XE15WKUA			XE18WKUA			XE24WKUA			
Indoor Model		CS-XE9WKUAW			CS-XE12WKUAW			CS-XE15WKUAW			CS-XE18WKUAW			CS-XE24WKUAW			
Outdoor model		CU-XE9WKUA			CU-XE12WKUA			CU-XE15WKUA			CU-XE18WKUA			CU-XE24WKUA			
Low Ambient Heat Operation		-26.1°C [-15°F] (no lockout)			-26.1°C [-15°F] (no lockout)			-26.1°C [-15°F] (no lockout)			-26.1°C [-15°F] (no lockout)			-26.1°C [-15°F] (no lockout)			
		MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	
Cooling (Indoor Dry Bulb 80°F)	95°F	BTU/h	2800	8700	12000	2800	11500	14000	3300	14700	19000	5800	17200	19800	5800	24000	27200
	47°F	BTU/h	3000	10900	18000	3000	12000	23000	3300	17200	24000	5800	20400	30000	5800	28800	33800
Heating (Indoor Dry Bulb 70°F)	17°F	COP (W/W)	5.93	4.79	3.21	5.93	4.39	3.73	4.90	4.00	2.65	4.47	3.66	3.14	4.47	3.36	3.30
		BTU/h	8000			10000			11000			14000			18500		
	5°F	COP	3.13			2.79			3.16			2.93			2.64		
		BTU/h	—	11000		—	12000		—	17200		—	20400		—	25200	
		COP	—	2.30		—	2.20		—	2.10		—	2.30		—	2.170	
SEER		28.20			24.60			21.10			21.00			20.00			
EER		16.1			14.15			12.55			13.2			10.9			
HSPF Region IV		14.50			13.00			12.00			12.00			10.60			
ENERGY STAR®		Yes			Yes			Yes			Yes			N/A			
Moisture Removal Volume		Pt/h		1.3	2.5			4.0			3.6			—			
NEEP Tier level		Tier 2			Tier 2			Tier 2			Tier 2			N/A			
Base Pan Heater		Included			Included			Included			Included			Included			
Auxiliary Heater Connection		AUXHTK1 (optional)			AUXHTK1 (optional)			AUXHTK1 (optional)			AUXHTK1 (optional)			AUXHTK1 (optional)			
Connectivity		Built-in Wi-Fi plus App			Built-in Wi-Fi plus App			Built-in Wi-Fi plus App			Built-in Wi-Fi plus App			Built-in Wi-Fi plus App			
Wireless Controller		Included			Included			Included			Included			Included			
Wired Controller		CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)			
Noise Cooling	Indoor	dB-A (H/L/Q-Lo)	42	25	20	45	28	20	45	37	34	47	39	36	49	40	37
	Outdoor	dB-A (H/L/Q-Lo)	48	—	—	49	—	—	51	—	—	52	—	—	53	—	—
Noise Heating	Indoor	dB-A (H/L/Q-Lo)	42	29	26	44	35	32	47	37	34	48	39	36	49	40	37
	Outdoor	dB-A (H/L/Q-Lo)	48	—	—	49	—	—	55	—	—	54	—	—	55	—	—
V, Phase, Hz		230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			
Running Amps	Cooling	Amp	2.6/2.9			3.8/4.2			5.4/6.0			6.2/6.9			10.1/11.1		
	Heating	Amp	3.2/3.6			3.8/4.2			5.8/6.6			7.7/8.7			11.5/12.8		
Power Input	Cooling	Watt	540			810			1170			1300			2200		
	Heating	Watt	670			800			1260			1630			2520		
Base Pan Heater		Watt	80			80			80			80			80		
Min. Circuit Ampacity		Amp	15			15			20			20			25		
Max. Overcurrent Protection		Amp	15			20			25			25			30		
Advanced Air Purification Features		Evaporator Guard Filter	Included			Included			Included			Included			Included		
		PM2.5 (CZ-SA31P)	Optional			Optional			Optional			Optional			Optional		
		Anti Microbial (CZ-SA20P)	Optional			Optional			Optional			Optional			Optional		
		nanoe™ X Air Purification	Included			Included			Included			Included			Included		
Features	Fan Speeds	5 Speeds + Auto			5 Speeds + Auto			5 Speeds + Auto			5 Speeds + Auto			5 Speeds + Auto			
	Dry Air Flow	High CFM	380			415			430			560			605		
	Timer	24hr Program			24hr Program			24hr Program			24hr Program			24hr Program			
	Air Deflection	Horizontal	Automatic			Automatic			Automatic			Automatic			Automatic		
Vertical		Automatic			Automatic			Automatic			Automatic			Automatic			
Inverter Variable Capacity		Yes			Yes			Yes			Yes			Yes			
Refrigerant		R410a			R410a			R410a			R410a			R410a			
Piping	Refrigerant Piping	Type	Flare			Flare			Flare			Flare			Flare		
		Discharge inches	1/4"			1/4"			1/4"			1/4"			1/4"		
		Suction inches	3/8"			1/2"			1/2"			1/2"			5/8"		
	Refrigerant Pipe Length	Min - Max ft	9.8 - 65.6			9.8 - 65.6			9.8 - 65.6			9.8 - 100			9.8 - 100		
		Elevation Difference	Outdoor Above ft	Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2	
	Outdoor Below ft		Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2		
Unit	Indoor	H/W/D (ft)	11-5/8	34-9/32	9-1/16	11-5/8	34-9/32	9-1/16	11-5/8	34-9/32	9-1/16	11-29/32	43-13/32	9-5/8	11-29/32	43-13/32	9-5/8
	Weight	lb.	24			24			24			33			33		
	Outdoor	H/W/D (ft)	24-1/2	32-15/32	11-25/32	24-1/2	32-15/32	11-25/32	27-3/8	34-15/32	12-5/8	31-5/16	34-15/32	12-5/8	31-5/16	34-15/32	12-5/8
	Weight	lb.	82			82			106			132			132		
Carton	Indoor	H/W/D (ft)	10-7/8	37-13/16	14-3/8	10-7/8	37-13/16	14-3/8	10-7/8	37-13/16	14-3/8	11-7/16	46-5/32	14-29/32	11-7/16	46-5/32	14-29/32
	Weight	lb.	26			26			26			37			37		
	Outdoor	H/W/D (ft)	26-25/32	37-23/32	16-13/32	26-25/32	37-23/32	16-13/32	29-11/32	41-5/16	18-1/8	34-25/32	41-5/16	19-1/8	34-25/32	41-5/16	19-1/8
	Weight	lb.	88			88			53			66			66		