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SEER

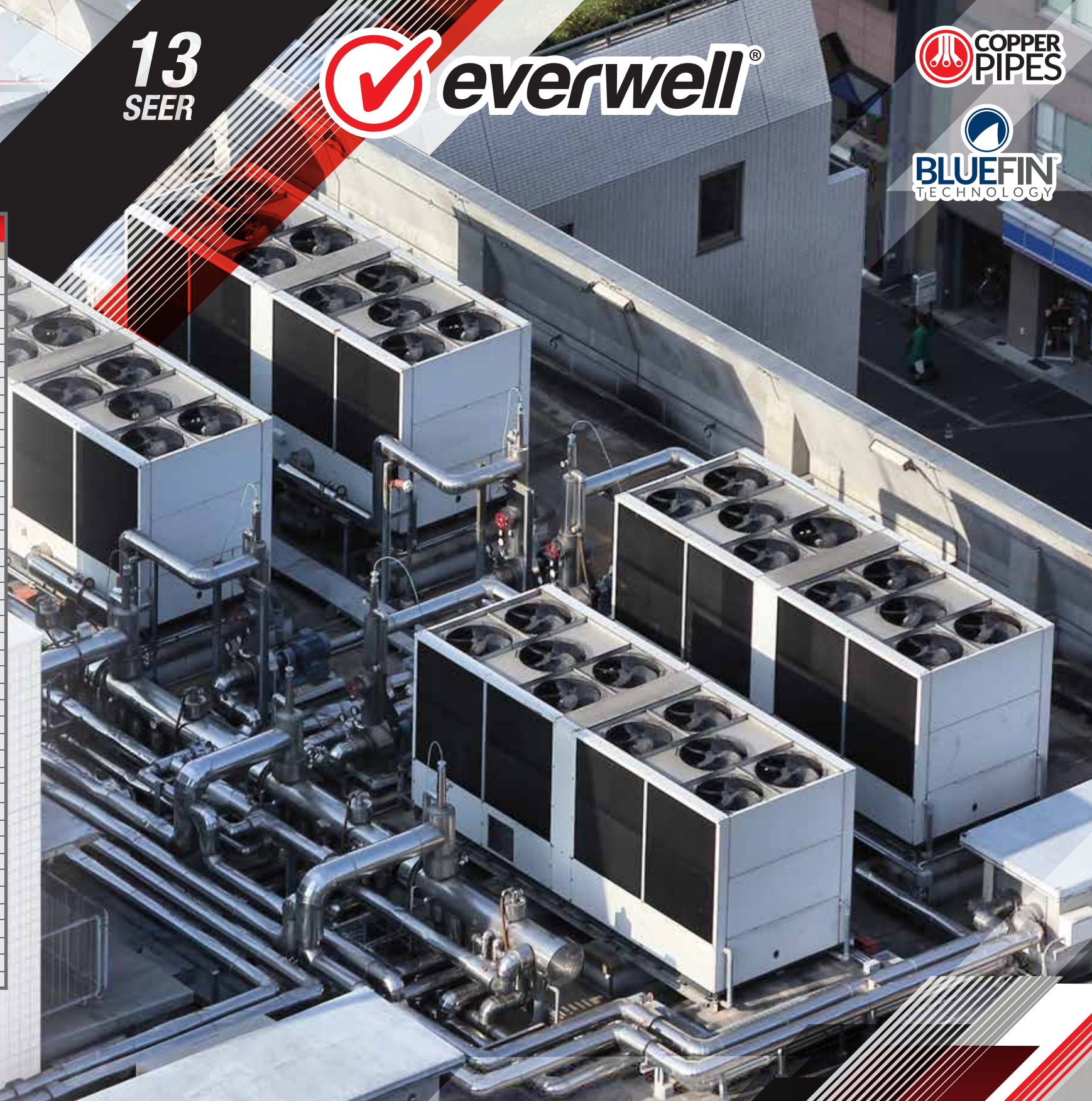


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SEER



ERCT Technical Specifications

Model No.		ERCT-075CWN1-D	ERCT-100WN1-D	ERCT-150WN1-D	ERCT-200CWN1-D	ERCT-250CWN1-D		
Nominal Ton		Ton	7.5	10	15	20	25	
Cooling	Power Supply	V/Ph/Hz	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60	
	Cooling Capacity (1)	Btu/h	89000	120000	180000	240000	300000	
		kW	26.0	35.0	53.0	70.0	87.0	
	Power Input (1)	kW	7.8	10.7	16.2	21.9	27.8	
	Cooling Capacity (2)	Btu/h	69100	98000	142000	199300	251100	
		kW	20.3	28.7	41.6	58.4	73.6	
Power Input (2)	kW	8.7	12.7	18.7	25.5	32.7		
Max. Input Consumption		kW	12.8	17.9	27.3	37.7	46.1	
Max. Current		A	42.4	57.4	88.3	124.6	150	
Indoor Coil	Indoor Fan Air Flow		CFM	2950	4200	7100	8800	10500
	Number of Rows			3	4	4	4	4
	Fin Spacing	mm	1.3	1.5	1.3	1.3	1.6	
		FPI	19	17	19	19	16	
	Tube Diameter	mm	7	7	142000	199300	251100	
Inches		9/32	9/32	9/32	9/32	5/16		
Indoor Fan	Type		FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	
	Quantity		1	1	1	1	1	
	Drive Type		Direct	Belt	Belt	Belt	Belt	
	Motors Quantity		1	1	1	1	1	
	Motor Model		AC Motor	AC Motor	AC Motor	AC Motor	AC Motor	
Compressor	Number of Rows		Scroll	Scroll	Scroll	Scroll	Scroll	
	Quantity		1	1	2	2	2	
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland	
	Capacity	Btu/h	90500	124000	58000+124000	124000*2	137000*2	
	Refrigerant Oil Charge	ml	1774	2513	1656+2513	2513*2	3253*2	
Outdoor Coil	Number of Rows		3	2.5	3.5	3	3+2	
	Fin Spacing	mm	1.5	1.5	1.6	1.5	1.5	
		FPI	17	17	16	17	17	
	Tube Diameter	mm	7	7	8	7	7	
		Inches	9/32	9/32	5/16	9/32	9/32	
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	
	Quantity		1	1	1	2	2	
	Drive Type		Direct	Direct	Direct	Direct	Direct	
	Motors Quantity		1	1	1	2	2	
	Motor Model		AC Motor	AC Motor	AC Motor	AC Motor	AC Motor	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	
	Motors Quantity	Kg	3.8	4.3	4.7+2.2	5.4+5.4	6.3+6.3	
	Refrigerant Control		Piston	Piston	Piston	Piston	Capillary	
	Net Weight		Kg	231	335	470	670	895
Gross Wight		Kg	236	346	490	700	925	
Net Dimensions W x H x D		mm	1475 x 840 x 1130	1483 x 1138 x 1231	1965 x 1230 x 1130	2192 x 1247 x 1670	2220 x 1245 x 2320	
Packing W x H x D		mm	1497 x 867 x 1152	1492 x 1248 x 1146	1990 x 1260 x 1140	2212 x 1284 x 1695	2230 x 1275 x 2330	



ERC, ERCT SERIES
COMMERCIAL ROOF TOPS

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SEER



ERC, ERCT SERIES

COMMERCIAL ROOF TOPS



Roof Tops
3 to 5 Tons



Roof Tops
7.5 Tons



Roof Tops
10 to 15 Tons



Roof Tops
20 Tons



Roof Tops
25 Tons

ERC Technical Specifications

Model No.			ERC-36CWN1-V10	ERC-48WN1-V10	ERC-60WN1-V10	ERC-60CWN1-X10	
Cooling	Power Supply	V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/3/60	
	Capacity	Btu/h	36000	48000	60000	60000	
Electrical Data	Max. Input Consumption	KW	4.5	7.5	8.8	7.8	
	Max. Power Input	A	24.8	41.5	48.4	25.5	
Compressor	Type		Scroll	Scroll	Scroll	Scroll	
	Brand		LG	LG	LG	Copeland	
	Rated Current (RLA)	A	14	21.5	23	16.3	
	Locked Rotor Amp (LRA)	A	70	125	120	155	
	Thermal Protector		239°F~257°F 115°C~125°C	239°F~257°F 115°C~125°C	239°F~257°F 115°C~125°C	275°F 135°C	
Indoor Fan Motor	Refrigerant Oil		ml	800	1300	1300	
	Type		AC Motor	AC Motor	AC Motor	AC Motor	
	Output	HP	1/3	1/2	4/5	4/5	
	Rated Current	A	1.41	2.08	2.33	2.33	
	Capacitor	µF	10	20	20	20	
Indoor Fan	RPM	r/min	400	890	990	990	
	Type		Centrifugal Fan	Centrifugal Fan	Centrifugal Fan	Centrifugal Fan	
	Diameter	Inch (mm)	11.1 (282)	11.1 (282)	11.1 (282)	11.1 (282)	
	Height	Inch (mm)	10.7 (272)	10.7 (272)	10.7 (272)	10.7 (272)	
Indoor Coil	Number of Rows		3	3	4	4	
	Tube Pitch (a) x Row Pitch (b)	Inch (mm)	0.8 x 0.5(21x13.37)	0.8 x 0.5(21x13.37)	0.8 x 0.5(21x13.37)	0.8 x 0.5(21x13.37)	
	Fin Spacing	Inch (mm)	5.9 (1.5)	5.9 (1.5)	5.9 (1.5)	5.9 (1.5)	
	Fin Type		Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	Hydrophilic Aluminum	
	Tube Outside Diameter and Type		Inch (mm)	φ1/16 (φ7)	φ1/16 (φ7)	φ1/16 (φ7)	φ1/16 (φ7)
	Type		Inner Grooved Tube	Inner Grooved Tube	Inner Grooved Tube	Inner Grooved Tube	
	Coil Length x Height	Inch (mm)	16.6 x 28 (421x714)	16.6 x 28 (421x714)	16.6 x 28 (421x714)	16.6 x 28 (421x714)	
Indoor Fan Air Flow	Number of Circuits		8	8	8	8	
	Air Flow	CFM	1380	1400	1450	1450	
Outdoor Fan Motor	Type		AC Motor	AC Motor	AC Motor	AC Motor	
	Output	HP	1/3	1/3	1/3	1/3	
	Rated Current	A	2	2	2	2	
	Capacitor	µF	12	12	12	12	
	RPM	r/min	1075	1075	1075	1075	
Outdoor Fan	Material		Alnico	Alnico	Alnico	Alnico	
	Type		Axial Flow Fan	Axial Flow Fan	Axial Flow Fan	Axial Flow Fan	
	Diameter	Inch (mm)	22.7 (550)	22.7 (550)	22.7 (550)	22.7 (550)	
	Height	Inch (mm)	4 (102.5)	4 (102.5)	4 (102.5)	4 (102.5)	
Outdoor Coil	Number of Rows		1	1.7	2	2	
	Tube Pitch (a) x Row Pitch (b)	Inch (mm)	0.8 x 0.5(21x13.37)	0.8 x 0.5(21x13.37)	0.8 x 0.5(21x13.37)	0.8 x 0.5(21x13.37)	
	Fin Spacing	Inch (mm)	5.9 (1.5)	5.9 (1.5)	5.9 (1.5)	5.9 (1.5)	
	Fin Type (Code)		1/3	1/3	1/3	1/3	
	Type		2	2	2	2	
	Coil Length x Height	(mm)	1513 x 756	1480 x 756	1480 x 756	1480 x 756	
	Number of Circuits		1	1	1	1	
Packing(L x H x W)		mm	1152 x 855 x 765	1152 x 855 x 765	1152 x 855 x 765	1152 x 855 x 765	
Net/Gross Weight		Kg	132/135	141/144	151/154	151/154	
Operation Temperature		°C	17~30	17~30	17~30	17~30	
		°F	62.6~86	62.6~86	62.6~86	62.6~86	
Ambient Temp	Cooling	°C	18~46	18~46	18~46	18~46	
		°F	64.4~114.8	64.4~114.8	64.4~114.8	64.4~114.8	
Filter	Type		Nylon	Nylon	Nylon	Nylon	
	Quantity	Pieces	1	1	1	1	
	Size (L x H x W)	mm	190 x 670 x 10	190 x 670 x 10	190 x 670 x 10	190 x 670 x 10	