



Air cooled
screw inverter
chiller, high
efficiency,
standard/low
sound

EWAD-CZXS/XL

R-134a



Inverter

- › High efficiency with leader-of-class ESEER
- › Inverter stepless single-screw compressor
- › Highly efficient fans with patented blade profile for quiet operation



Screw compressor

- › Extensive option list (heat recovery option available)

EWAD-CZXS/XL

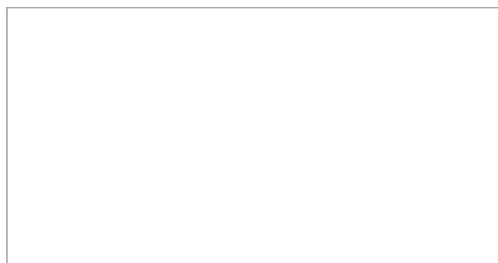


Cooling only				EWAD-CZXS/XL															
				740	830	900	C10	C11	C12	C13	C14	C15	C16	C17	C18				
Cooling capacity	Nom.			kW	734	828	898	1,033	1,090	1,232	1,303	1,444	1,538	1,616	1,701	1,795			
Power input	Cooling	Nom.		kW	239	269	309	343	380	404	447	494	538	564	596	619			
Capacity control	Method	Stepless																	
	Minimum capacity			%	20.0									13.0					
EER					3.07		2.90	3.01	2.87	3.05	2.92	2.93	2.86		2.85	2.90			
ESEER					4.72	4.89	4.88	4.91	4.70		4.51	4.73	4.83	4.59	4.62	4.61			
IPLV					5.68	5.72	5.79	5.73	5.56	5.58	5.45	5.61	5.75	5.65	5.46	5.29			
Dimensions	Unit	Height	mm	2,540															
		Width	mm	2,285															
		Depth	mm	6,725	7,625			8,525			10,325			11,625	12,525	13,425	14,325		
Weight (XS)	Unit			kg	6,000	6,620	6,870	7,440			8,570	8,970	9,600	9,940	11,370	12,190	12,920		
	Operation weight				kg	6,250	6,860	7,110	7,880			8,960	9,360	9,980	10,320	12,220	13,040	13,790	
Weight (XL)	Unit			kg	6,280	6,900	7,150	7,720			8,850	9,250	9,880	10,220	11,790	12,610	13,340		
	Operation weight				kg	6,530	7,140	7,390	8,160			9,240	9,640	10,260	10,600	12,640	13,460	14,210	
Water heat exchanger	Type	Single pass shell & tube																	
	Water volume			l	248	241			441			383			374		850	871	
	Water flow rate	Cooling	Nom.	l/s	35.2	39.7	43.0	49.5	52.3	59.0	62.4	69.2	73.7	77.4	81.5	86.0			
	Water pressure drop	Cooling	Nom.	kPa	83	58	65	63	70	47	52	62	72	63	69	65			
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler																	
Compressor	Type	Asymmetric single screw compressor																	
	Quantity	2											3						
Fan	Type	Direct propeller																	
	Quantity	12				14			16			20		22		24		26	28
	Air flow rate	Nom.		l/s	65,026	75,863			86,701			108,376		119,214	130,051	129,455	140,143	151,130	
	Speed	rpm																	
		900																	
Sound power level (XS)	Cooling	Nom.		dB(A)	102	103						104			106				
Sound power level (XL)	Cooling	Nom.		dB(A)	99	100						101			103				
Sound pressure level (XS)	Cooling	Nom.		dB(A)	81														
Sound pressure level (XL)	Cooling	Nom.		dB(A)	78														
Operation range	Water side	Cooling	Min.-Max.	°CDB	-8~15														
	Air side	Cooling	Min.-Max.	°CDB	-18~50														
Refrigerant	Type / GWP	R-134a / 1,430																	
	Circuits	Quantity		2											3				
Refrigerant charge	Per circuit			kg	73.0	81.0			100.0			125.0			140.0	106.7	113.3	116.7	
	Per circuit			TCO ₂ Eq	104.4	115.8			143.0			178.8			200.2	152.5	162.1	166.8	
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm				219.1mm				273mm							
Unit	Maximum starting current			A	374	416	447	496	534	585	620	703	765	840	890	940			
	Nominal running current (RLA)	Cooling		A	403	438	481	532	586	630	692	762	829	873	922	962			
	Maximum running current			A	524	579	626	691	748	816	869	970	1,072	1,121	1,182	1,243			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400														

Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C; full load operation.

Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

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