



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

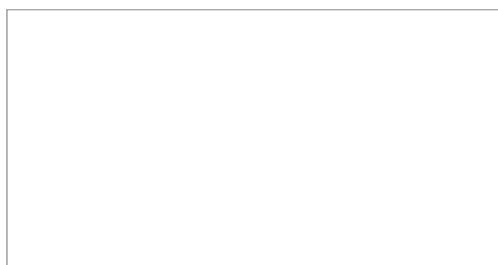


Cooling only				EWAD-CZXS/XL													
				740	830	900	C10	C11	C12	C13	C14	C15	C16	C17	C18		
Cooling capacity	Nom.			kW	734	828	898	1,033	1,090	1,232	1,303	1,444	1,538	1,616	1,701	1,795	
Power input	Cooling	Nom.		kW	239	269	309	343	380	404	447	494	538	564	596	619	
Capacity control	Method			Stepless													
	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
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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