



Air cooled
screw inverter
chiller, high
efficiency,
reduced sound

EWAD-CZXR

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

- › Extensive option list (heat recovery option available)



Screw compressor

EWAD-CZXR



Cooling only				EWAD-CZXR	700	790	850	980	C10	C11	C12	C13	C14	C15	C16	C17
Cooling capacity	Nom.		kW	696	786	849	972	1,027	1,166	1,231	1,327	1,437	1,539	1,624	1,706	
Power input	Cooling	Nom.	kW	246	274	318	351	393	412	459	493	523	585	617	638	
Capacity control	Method	Stepless														
	Minimum capacity	%	20.0											13.0		
EER				2.83	2.86	2.67	2.77	2.61	2.83	2.68	2.69	2.75	2.63		2.67	
ESEER				5.23	5.39	5.36	5.41	5.11	5.15	4.80	5.12	5.22	5.10	4.83	4.77	
IPLV				6.14	6.32	6.37	6.34	6.05	5.96	5.67	6.03	6.21	6.17	5.89	5.85	
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	Unit		kg	6,470	7,100	7,360	7,950		9,120	9,530	10,180	10,530	12,150	12,990	13,740	
	Operation weight		kg	6,720	7,340	7,600	8,390		9,500	9,920	10,550	10,910	13,000	13,840	14,610	
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	33.4	37.6	40.7	46.6	49.2	55.8	58.9	63.6	68.8	73.7	77.8	81.7
	Water pressure drop	Cooling	Nom.	kPa	76	54	59	58	64	43	48	57	66	57	63	60
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	49,843	58,151			66,458		83,072		91,380	99,687		107,994	116,301
	Speed		rpm	700												
Sound power level	Cooling	Nom.	dB(A)	95	96			97		97		97		99		99
Sound pressure level	Cooling	Nom.	dB(A)	74											76	
Operation range	Water side	Cooling	Min.-Max.	-8~-15												
	Air side	Cooling	Min.-Max.	-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														
Unit	Maximum starting current		A	365	406	437	485	523	571	606	686	748	817	865	912	
	Nominal running current (RLA)	Cooling	A	412	445	493	544	605	641	709	782	851	903	951	989	
	Maximum running current		A	507	560	607	668	725	788	841	940	1,038	1,088	1,146	1,204	
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400												

(1) 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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