



Air cooled
screw inverter
chiller, high
efficiency,
reduced sound

EWAD-CZXR

R-134a



Inverter



Screw compressor

- › 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)

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			99				
Sound pressure level	Cooling			Nom.	dB(A)	74						76				
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	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
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

(l) 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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Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

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