DAIKIN APPLIED (UK) LTD

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

EWAD-CZXR

MICROTECH III

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.		dBA	95	96				97				99		
Sound pressure level	Cooling	Nom.		dBA	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_2Eq	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	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.

London Sales Office
69 Questor Estate
Pearsons Way
Dartford, Kent
DA1 1JN
01322 424950

Head Office
Bassington Industrial Estate
Cramlington, Northumberland
NE23 8AF
01670 566159