



Air cooled
screw chiller,
standard
efficiency,
reduced sound

EWAD-C-SR

R-134a



Screw compressor

- › Stepless single-screw compressor
- › Large operation range (ambient temperature down to -18°C and up to 46°C)
- › 2-3 truly independent refrigerant circuits

- › DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- › Partial and total heat recovery option available

EWAD-C-SR



Cooling only				EWAD-C-SR																												
				620	720	790	880	920	C10	C11	C12	C13	C14	H14	C15	C16	C17	C18	C19													
Cooling capacity	Nom.	KW		617	712	786	872	918	1,016	1,107	1,266	1,363	1,465	1,316	1,550	1,616	1,710	1,790	1,828													
Power input	Cooling	Nom.	KW	226	276	317	334	373	398	422	461	522	582	499	609	654	706	722	762													
Capacity control	Method	Stepless																														
	Minimum capacity	%	12.5						7.0			12.5			7.0																	
EER			2.74	2.59	2.48	2.61	2.46	2.55	2.63	2.75	2.61	2.52	2.63	2.54	2.47	2.42	2.48	2.40														
ESEER			3.91	3.78	3.81	3.79	3.98	3.76	3.95	3.92	3.78	3.70	3.81	3.72	3.66	3.70	3.71	3.66														
IPLV			4.39	4.41	4.19	4.29	4.21	4.33	4.52	4.27	4.35	4.28	4.23	4.24	4.27	4.21																
Dimensions	Unit	Height	mm	2,540																												
		Width	mm	2,285																												
		Depth	mm	6,285				7,185		8,085		8,985		10,285		8,985		11,185		12,085												
Weight	Unit	kg	5,920	6,030	6,050	6,570	6,850	7,300	7,570	8,190	10,750	10,770	8,190	11,150	11,210	11,680	12,040															
	Operation weight	kg	6,200	6,280	6,300	6,820	7,100	7,540	7,810	8,570	11,170	8,570	11,550	11,700	12,560	12,920																
Water heat exchanger	Type	Single pass shell & tube																														
	Water flow rate	Cooling	Nom.	l/s	29.5	34.1	37.6	41.8	44.0	48.7	53.1	60.6	65.2	70.2	63.0	74.2	77.4	81.8	85.6	87.5												
	Water pressure drop	Cooling	Nom.	kPa	43	50	48	58	63	60	69	50	45	57	54	63	69	33	36	37												
	Water volume	l		266		251		243		386		421		408		386		408		850												
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler																														
Compressor	Type	Asymmetric single screw compressor																														
	Quantity		2			3			2			3																				
Fan	Type	Direct propeller																														
	Quantity		10		12		14		16		18		20		18		22		24													
	Air flow rate	Nom.	l/s	41,007		49,208		57,410		65,611		73,812		82,014		73,812		90,215		98,417												
	Speed	rpm	700																													
Sound power level	Cooling	Nom.	dB(A)	92			93			94			95			94			95			96										
Sound pressure level	Cooling	Nom.	dB(A)	71	72			73			73			74			74															
Operation range	Air side	Cooling	Min.-Max.	°CDB																												
	Water side	Cooling	Min.-Max.	°CDB																												
Refrigerant	Type/GWP	R-134a/1,430																														
	Circuits	Quantity		2			3			2			3																			
Refrigerant charge	Per circuit	kg	64.0	76.5		80.0		91.0		94.0		110.0		86.7		110.0		86.7		91.7		101.7										
		TCO ₂ Eq	91.5	109.4		114.4		130.1		134.4		157.3		123.9		157.3		123.9		131.1		145.4										
Piping connections	Evaporator water inlet/outlet (OD)		168.3mm						219.1mm						273mm																	
Unit	Starting current	Max	A	597	642		906		953		1,007		1,010		1,055		1,241		1,292		1,068		1,344		1,346		1,389		1,434		1,447	
	Running current	Cooling	Nom.	A	371	450	518	548	609	654	694	755	857	954	811	1,002	1,075	1,158	1,179	1,238												
		Max	A	462	531	575	639	698	767	837	895	1,052	1,116	949	1,186	1,250	1,303	1,362	1,415													
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.

For more information email info@daikinapplied.uk or visit www.daikinapplied.uk

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



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

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V. Printed on non-chlorinated paper.

