



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

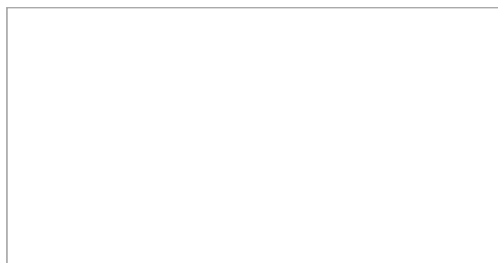
EWAD-C-SR



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	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	4.29	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	474	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		22		24					
	Air flow rate	Cooling	Nom.	l/s	41,007	49,208		57,410	65,611	73,812	82,014		73,812	90,215		98,417								
	Speed				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				74											
Operation range	Air side	Cooling	Min.-Max.	°CDB																				
	Water side	Cooling	Min.-Max.	°CDB																				
Refrigerant	Type/GWP	R-134a/1,430																						
	Circuits				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.

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