



Air cooled screw
chiller, standard
efficiency,
standard sound

EWAD-E-SS

R-134a



Screw compressor

- › One refrigerant circuit with single screw compressor
- › Compact design with brazed plate heat exchanger

- › Large operation range (ambient temperature down to -18°C)
- › Water supply down to -15°C

EWAD-E-SS



Cooling only				EWAD-E-SS								100	120	140	160	180	210	260	310	360	410
Cooling capacity	Nom.			kW	101	121	138	163	183	213	255	306	359	411							
Power input	Cooling	Nom.		kW	39.1	47.5	53.9	60.9	69.0	72.4	87.8	112	134	147							
Capacity control	Method			Stepless																	
	Minimum capacity			%	25.0																
EER					2.58	2.54	2.55	2.67	2.64	2.95	2.90	2.73	2.67	2.80							
ESEER					2.84	2.83	2.66	2.84	2.73	2.93	3.08	2.96	3.13	3.24							
IPLV					3.36	3.25	2.98	3.13	3.25	3.48	3.68	3.56	3.61	3.65							
Dimensions	Unit	Height	mm	2,273								2,223									
		Width	mm	1,292								2,236									
		Depth	mm	2,165				3,065				3,070									
Weight	Unit	Operation weight		kg	1,699				1,881				2,963								
		Type		Plate heat exchanger																	
Water heat exchanger	Water flow rate	Cooling	Nom.	l/s	4.8	5.8	6.6	7.8	8.7	10.2	12.2	14.6	17.2	19.7							
		Water pressure drop	Cooling	Nom.	kPa	24	25	23	24	22	21	47	48		45						
		Water volume			l	12	15	17	20	24	30	25	30	36	44						
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																	
Compressor	Type			Single screw compressor								Asymmetric single screw compressor									
	Quantity			1																	
Fan	Type			Direct propeller																	
	Quantity			2				3				4				6					
	Air flow rate	Nom.		l/s	10,924	10,576	16,386	15,865	21,848	21,153	32,772		31,729								
Sound power level	Cooling	Nom.		dB(A)	92				93				94				95				
		Sound pressure level		dB(A)	74								75				76				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~-48																
	Water side	Cooling	Min.~Max.	°CDB	-15~-15																
Refrigerant	Type / GWP			R-134a / 1,430																	
	Circuits		Quantity	1																	
Refrigerant charge	Per circuit			kg	18.0	21.0	23.0	28.0	34.0	39.0	46.0		56.0		74.0						
	Per circuit			TCO ₂ Eq	25.7	30.0	32.9	40.0	48.6	55.8	65.8		80.1		105.8						
Piping connections	Evaporator water inlet/outlet (OD)			3"																	
Unit	Starting current			Max	151				195				288				330	410			
	Running current	Cooling	Nom.	A	67	81	92	102	116	121	148	185	220	241							
		Max		A	86	103	119	132	157	164	198	242	284	298							
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.

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN15-426_1 03/15



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



The present leaflet 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 leaflet 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 leaflet. All content is copyrighted by Daikin Europe N.V.