



Air cooled  
screw chiller,  
standard efficiency,  
standard sound

EWAD-D-SS

**R-134a**



Screw compressor

- › 2 truly independent refrigerant circuits
- › Stepless single-screw compressor

- › Large operation range (ambient temperature down to  $-18^{\circ}\text{C}$ )

# EWAD-D-SS



Cooling only		EWAD-D-SS		390	440	470	510	530	560	580	
Cooling capacity	Nom.		kW	388	435	463	500	529	553	575	
Power input	Cooling	Nom.	kW	154	165	169	186	196	207	199	
Capacity control	Method	Stepless									
	Minimum capacity	12.5									
EER				2.52	2.63	2.74	2.70	2.67	2.89		
ESEER				3.26	3.43	3.44	3.41	3.45	3.29		
IPLV				3.75	3.86	3.89	3.96	4.11	3.96		
Dimensions	Unit	Height	mm	2,223							
		Width	mm	2,234							
		Depth	mm	3,139				4,040			
Weight	Unit		kg	2,960	4,030	4,220	4,230	4,235			
	Operation weight		kg	3,090	4,195				4,395		
Water heat exchanger	Type	Single pass shell & tube									
	Water flow rate	Cooling	Nom.	l/s	18.6	20.8	22.2	24.0	25.4	26.5	27.6
	Water pressure drop	Cooling	Nom.	kPa	46	38	67	47	52	57	51
	Water volume			l	130	165	175				165
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler									
Compressor	Type	Single screw compressor									
	Quantity	Asymmetric single screw compressor									
Fan	Type	Direct propeller									
	Quantity				6				8		
	Air flow rate	Nom.	l/s	32,772	31,729				43,696	42,306	
	Speed		rpm								890
Sound power level	Cooling	Nom.	dBA	96				97	98	99	
Sound pressure level	Cooling	Nom.	dBA				77				79
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	2								
Refrigerant charge	Per circuit		kg	28.0	33.0	36.0	38.0	40.0	43.0	47.0	
	Per circuit		TCO <sub>2</sub> Eq	40.0	47.2	51.5	54.3	57.2	61.5	67.2	
Piping connections	Evaporator water inlet/outlet (OD)	5.5"									
Unit	Starting current	Max	A	419	464				485	494	
	Running current	Cooling	Nom.	A	254	274	281	306	321	336	324
		Max	A	312	330	359	380	391	402		
Power supply	Phase/Frequency/Voltage		Hz/V								3~/50/400

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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