



Air cooled screw
chiller, high
efficiency, standard
sound

EWAD-D-XS

R-134a



Screw compressor

- › 2 truly independent refrigerant circuits
- › Stepless single-screw compressor
- › Optimised for use with R-134a

- › Large operation range (ambient temperature down to -18°C)
- › MicroTech III controller with superior control logic and easy interface

EWAD-D-XS



Cooling only				EWAD-D-XS											
				250	280	300	330	350	380	400	470	520	580	620	
Cooling capacity	Nom.	kW		246	274	300	326	350	374	399	467	522	573	620	
Power input	Cooling	kW		80.1	88.2	95.4	105	114	121	129	152	169	183	196	
Capacity control	Method	Stepless													
	Minimum capacity	%		12.5											
EER				3.07	3.11	3.15	3.10	3.06	3.08	3.10	3.07	3.09	3.12	3.16	
ESEER				3.45	3.49	3.51	3.73	3.56	3.47	3.48	3.72	3.88	3.89	3.75	
IPLV				3.98	4.00		4.08	4.07	4.06	3.98	4.16	4.83		4.61	
Dimensions	Unit	Height	mm	2,355								2,223			
		Width	mm	2,234											
		Depth	mm	3,138	4,040						4,940				
Weight	Unit	kg		2,905	3,285		3,235	3,240		3,510	4,670	4,685			
	Operation weight	kg		3,000	3,400				3,780		4,940				
Water heat exchanger	Type	Single pass shell & tube													
	Water flow rate	Cooling	Nom.	l/s	11.8	13.1	14.4	15.6	16.7	17.9	19.1	22.4	25.0	27.4	29.7
	Water pressure drop	Cooling	Nom.	kPa	48	45	49	46	51	58	64	47	63	56	38
	Water volume	l		95	115		165	160		270		255			
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler													
Compressor	Type	Single screw compressor										Asymmetric single screw compressor			
	Quantity	2													
Fan	Type	Direct propeller													
	Quantity	6		8						10					
	Air flow rate	Nom.	l/s	22,302	30,591	29,736			43,001	42,306	43,696	54,620			
	Speed	rpm		900						890					
Sound power level	Cooling	Nom.	dB(A)	97						99					
Sound pressure level	Cooling	Nom.	dB(A)	3.16						3.16					
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		29.0	33.0	35.0	38.0	35.0		39.0	42.0	45.0	50.0		
		TCO ₂ Eq		41.5	47.2	50.1	54.3	50.1		55.8	60.1	64.4	71.5		
Piping connections	Evaporator water inlet/outlet (OD)			4"								6"			
Unit	Starting current	Max		A	224	240		292	312		423	480	498		
	Running current	Cooling	Nom.	A	132	145	158	172	185	203	213	253	283	305	324
		Max		A	178	199	216	227	239	268	283	328	365	387	410
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.

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



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