



EWAQ-E-



MicroTech III

- › Reliable and efficient scroll compressors with high EER values
- › A series of advantages thanks to the use of large-capacity scroll compressors: increased competitiveness, reduced weight, clearances around the unit
- › Reduced footprint thanks to the V-shaped frame
- › Large operation range: ambient temperatures up to 52°C and down to -18°C
- › Ideal solution for a broad range of comfort and process applications
- › The unit can be equipped with a hydraulic module optimizing installation time, space and cost
- › MicroTech III controller with superior control logic and easy interface

Cooling only

High efficiency Standard/low sound

EWAQ-E-XS/XL				180	200	230	260	320	340		
Cooling capacity	Nom.		kW	178	200	226	263	315	334		
Power input	Cooling	Nom.	kW	58.0	65.3	73.8	86.2	103	110		
Capacity control	Method	Step									
	Minimum capacity		%	50	43	50	33	27	33		
EER				3.06				3.05			
ESEER				3.99	4.06	3.87	4.09		4.04		
Dimensions	Unit	HeightxWidthxDepth	mm	2,271x1,224x4,413			2,271x1,224x5,313		2,271x1,224x6,213		
Weight (XS)	Unit			kg	1,722	1,807	1,871	2,173	2,304	2,492	
	Operation weight			kg	1,734	1,819	1,885	2,188	2,318	2,507	
Weight (XL)	Unit			kg	1,876	1,965	2,032	2,370	2,507	2,705	
	Operation weight			kg	1,889	1,978	2,047	2,385	2,522	2,719	
Water heat exchanger	Type	Plate heat exchanger									
	Water volume			l	12			14			
	Nominal water flow	Cooling			l/s	8.5	9.6	10.8	12.6	15.1	16.0
	Nominal water pressure drop	Cooling	Total	kPa	27	34	35	47		54	
Air heat exchanger	High efficiency fin and tube type with integral subcooler										
Compressor	Type	Scroll compressor									
	Quantity					2				3	
Fan	Type	Direct propeller									
	Quantity				4				5	6	
	Air flow rate	Nom.		l/s	21,845	21,148	26,874	25,884	32,953	32,065	
	Speed			rpm	900						
Sound power level (XS)	Cooling	Nom.		dB(A)	93	94	96	95	96	97	
Sound power level (XL)	Cooling	Nom.		dB(A)	91	92	93	92	93	94	
Sound pressure level (XS)	Cooling	Nom.		dB(A)	75	76			77		
Sound pressure level (XL)	Cooling	Nom.		dB(A)	73				74		
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~-18						
	Air side	Cooling	Min.~Max.	°CDB	-18~-52						
Refrigerant	Type	R-410A									
	Circuits	Quantity	1								
Refrigerant circuit	Charge			kg	15	18	16	21	26		
Piping connections	Evaporator water inlet/outlet (OD)			3"							
Power supply	Phase/Frequency/Voltage			3~/50/400							



Cooling only

High efficiency Reduced sound

EWAQ-E-XR				170	190	220	260	300	320	
Cooling capacity	Nom.			kW	172	193	219	254	302	321
	Power input	Cooling	Nom.	kW	56.5	64.4	71.8	85.4	102	109
Capacity control	Method			Step						
	Minimum capacity			%	50	43	50	33	27	33
EER					3.05	3.00	3.05	2.97	2.96	2.95
ESEER					4.41	4.48	4.27	4.54	4.52	4.43
Dimensions	Unit	HeightxWidthxDepth		mm	2,271x1,224x4,413		2,271x1,224x5,313		2,271x1,224x6,213	
Weight	Unit			kg	1,970	2,064	2,134	2,489	2,632	2,840
	Operation weight			kg	1,982	2,076	2,148	2,503	2,647	2,855
Water heat exchanger	Type			Plate heat exchanger						
	Water volume			l	12		14			
	Nominal water flow	Cooling		l/s	8.2	9.2	10.5	12.1	14.5	15.4
	Nominal water pressure drop	Cooling	Total	kPa	26	32	33	44	43	50
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler						
Compressor	Type			Scroll compressor						
	Quantity				2		3			
Fan	Type			Direct propeller						
	Quantity				4		5		6	
	Air flow rate	Nom.		l/s	16,743	16,285	20,618	20,056	25,243	24,604
	Speed			rpm	705					
Sound power level	Cooling	Nom.		dB(A)	85	86	87	86	88	89
Sound pressure level	Cooling	Nom.		dB(A)	66	67	68	67	68	69
Operation range	Water side	Cooling	Min.~Max.	°CDB	-15~-18					
	Air side	Cooling	Min.~Max.	°CDB	-18~-52					
Refrigerant	Type			R-410A						
	Quantity				1					
Refrigerant circuit	Charge			kg	15	18	16	21	21	26
Piping connections	Evaporator water inlet/outlet (OD)				3"					
Power supply	Phase/Frequency/Voltage				3~/50/400					