



V-shape

EWAQ-F-SS/SL
EWAQ-F-SR



W-shape

EWAQ-F-SS/SL
EWAQ-F-SR



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
- > 1-2 truly independent refrigerant circuits
- > Reduced footprint thanks to the V-shaped frame
- > Large operation range: ambient temperatures up to 52°C and down to -18°C
- > The unit can be equipped with a hydraulic module optimizing installation time, space and cost
- > Ideal solution for a broad range of comfort and process applications
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Standard efficiency Standard/low sound

EWAQ-F-SS/SL				210	230	250	280	320	350	360	400	410	480	550	610	
Cooling capacity	Nom.		kW	206	224	247	283	313	359		407		480	551	609	
Power input	Cooling	Nom.	kW	73.3	84.9	93.6	109	122	141		154		187	207	229	
Capacity control	Method	Step														
	Minimum capacity		%	25	22	25	23	25	21		25		17	14	17	
EER				2.81	2.64		2.60	2.58	2.55		2.64		2.57	2.67	2.66	
ESEER				3.75	3.72	3.74	3.66	3.67	3.74	4.00	3.78	4.01	4.10	4.00	3.99	
Dimensions	Unit	HeightxWidthxDepth	mm	2,271x1,224x4,413			2,271x1,224x5,313		2,271x1,224x6,213	2,221x2,258x3,210	2,447x1,224x6,213	2,397x2,258x3,210	2,221x2,258x4,110	2,221x2,258x5,010		
Weight (SS)	Unit		kg	2,058		2,130	2,202	2,284	2,409	2,509	2,659	2,759	2,990	3,336	3,558	
	Operation weight		kg	2,070		2,142	2,216	2,298	2,424	2,524	2,699	2,799	3,036	3,382	3,604	
Weight (SL)	Unit		kg	2,297		2,373	2,449	2,535	2,666	2,766	2,968	3,068	3,315	3,679	3,912	
	Operation weight		kg	2,309		2,385	2,463	2,549	2,681	2,781	3,008	3,108	3,362	3,725	3,958	
Water heat exchanger	Type	Plate heat exchanger														
	Water volume		l	12			14			40			46			
	Nominal water flow	Cooling	l/s	9.9	10.7	11.8	13.6	15.0	17.2		19.5		23.0	26.4	29.2	
	Nominal water pressure drop	Cooling	Total	kPa	37	43	53	56	69	30		32		35	46	56
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler														
Compressor	Type	Scroll compressor														
	Quantity			4								6				
Fan	Type	Direct propeller														
	Quantity			4			5			6			8		10	
	Air flow rate	Nom.	l/s	21,845		21,148	27,306	26,435	32,767		32,513		43,690	54,612	52,870	
	Speed		rpm	900												
Sound power level (SS)	Cooling	Nom.	dBa	93	94		95		97			99				
Sound power level (SL)	Cooling	Nom.	dBa	91	92		93		94			95		96		
Sound pressure level (SS)	Cooling	Nom.	dBa	75		76			77	78			79			
Sound pressure level (SL)	Cooling	Nom.	dBa	73			74		75	74	75		76			
Operation range	Water side	Cooling	Min.~Max. °CDB	-15~18												
	Air side	Cooling	Min.~Max. °CDB	-18~52												
Refrigerant	Type	R-410A														
	Circuits	Quantity		2												
Refrigerant circuit	Charge		kg	18			21		24			34		40	46	
Piping connections	Evaporator water inlet/outlet (OD)	3"														
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400												



Cooling only

Standard efficiency Reduced sound

EWAQ-F-SR				200	220	240	270	300	330	340	370	380	460	530	580																										
Cooling capacity	Nom.			kW			198	214	235	270	298	341	383	456	527	580																									
	Power input	Cooling	Nom.	kW			73.4	86.0	95.6	110	125	144	159	191	208	233																									
Capacity control	Method			Step																																					
	Minimum capacity			%			25	22	25	23	25	21	25	17	14	17																									
EER							2.70	2.49	2.46	2.45	2.38	2.37	2.41	2.39	2.53	2.49																									
ESEER							4.20	4.12	4.04	4.06	3.95	4.09	4.25	4.02	4.15	4.49	4.42	4.33																							
Dimensions	Unit	HeightxWidthxDepth		mm			2,271x1,224x4,413			2,271x1,224x5,313			2,271x1,224x6,213			2,221x2,258x3,210			2,447x1,224x6,213			2,387x2,258x3,210			2,221x2,258x4,110			2,221x2,258x5,010													
Weight	Unit			kg			2,412			2,491			2,571			2,661			2,799			2,899			3,116			3,216			3,481			3,863			4,108				
	Operation weight			kg			2,424			2,504			2,585			2,676			2,814			2,914			3,156			3,256			3,527			3,909			4,154				
Water heat exchanger	Type			Plate heat exchanger																																					
	Water volume			l			12			14			40			46																									
	Nominal water flow			Cooling			l/s			9.5			10.2			11.3			13.0			14.3			16.3			18.3			21.8			25.2			27.8				
	Nominal water pressure drop			Cooling			Total			kPa			34			40			48			51			63			27			29			31			42			51	
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																																					
Compressor	Type			Scroll compressor																																					
	Quantity			4			5			6			8			10																									
Fan	Type			Direct propeller																																					
	Quantity			4			5			6			8			10																									
	Air flow rate			Nom.			l/s			16,743			16,285			20,929			20,356			25,115			24,922			33,487			41,858			40,713							
	Speed			rpm			705																																		
Sound power level	Cooling	Nom.		dBA			85			86			87			89			90			89			91			92													
Sound pressure level	Cooling	Nom.		dBA			66			67			68			69			70			71			70			71			72										
Operation range	Water side			Cooling			Min.~Max.			°CDB			-15~18																												
	Air side			Cooling			Min.~Max.			°CDB			-18~52																												
Refrigerant	Type			R-410A																																					
	Circuits			Quantity			2																																		
Refrigerant circuit	Charge			kg			18			21			24			34			40			46																			
Piping connections	Evaporator water inlet/outlet (OD)			3"																																					
Power supply	Phase/Frequency/Voltage			Hz/V												3~/50/400																									