DAIKIN APPLIED (UK) LTD

Air cooled multi-scroll chiller, standard efficiency, standard/ low sound

EWAQ-F-SS/SL

Scroll compressor

- 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
- 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

EWAQ-F-SS/SL

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MicroTech III

Cooling only				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		423	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			%	25.0	22.0	25.0	23.0	25.0	21.0		25.0		17.0	14.0	17.0
EER					2.81	2.64		2.60	2.58	2.55		2.75	2.64	2.57	2.67	2.66
ESEER					3.79	3.77	3.81	3.74	3.78	3.73	4.02	3.74	4.04	4.13	4.05	4.08
IPLV					4.50	4.45	4.50	4.44	4.53	4.29	4.41	4.30	4.46	4.55	4.63	4.72
Dimensions	Unit	Height		mm	2,271						2,221	2,447	2,397	2,221		
		Width		mm	1,224						2,258	1,224	2,258			
		Depth		mm	4,413			5,313		6,213	3,210	6,213	3,210	4,110	5,010	
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		
	Water flow rate	Cooling	Nom.	l/s	9.9	10.7	11.8	13.6	15.0	17.2		20.3	19.5	23.0	26.4	29.2
	Water pressure drop	Cooling	Nom.	kPa	37	43	53	56	69	30		27	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		36,265	32,513	43,690	54,612	52,870
	Speed			rpm	900							980	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	-13~18											
	Air side	Cooling	Min.~Max.	°CDB	-18~52											
Refrigerant	Type / GWP				R-410A / 2,087.5											
	Circuits	Quantity			2											
Refrigerant charge	Per circuit			kg	14.0		15.5	16.5	20.0	23.0		27.0		28.0	32.5	40.0
	Per circuit			TCO_2Eq	29.2		32.4	34.4	41.8	48.0		56.4		58.5	67.8	83.5
Piping connections	Evaporator water inlet/outlet (OD)				3“											
Unit	Maximum starting current			A	349	404	419	476	505	621		649		634	768	810
	Nominal running current (RLA)	Cooling		A	130	147	161	187	208	242		259	262	322	356	391
	Maximum running current			A	160	176	191	225	254	286		314		383	433	474
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.

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EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

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

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