



FHA-A / RZQG-L

Seasonal **Smart**

Ideal for applications in rooms without suspended ceilings

SkyAir



Ceiling suspended units are ideal for applications in rooms without suspended ceilings, or with high ceilings. Pairing them with Seasonal Smart condensers provides a system that is optimised for Seasonal Efficiency.

Daikin's ceiling suspended unit is ideal for IT and server room applications thanks to the EDP setting which allows constant cooling at low humidity levels, providing ideal conditions for computer equipment.

Comfort levels can be improved with the 3 step-fan, and the ability to connect to a fresh air intake.

The controller can also be set to restrict room occupants from changing settings, preventing over-heating or cooling.

Combinable with BRC1E53A for duty rotation and standby control.

Miss-matched pairs also available with supporting efficiency and energy label data.



RZQG125L9V1

Features	Benefits
Designed for Seasonal Efficiency	Performs in all seasonal conditions, Improving energy efficiencies and offering lower running costs
Maximum ceiling height of up to 4.3m	Can be used to provide efficient heating and cooling in rooms with high ceilings
EDP Setting	Configures system for continuous cooling and humidity control, creating optimum conditions for IT equipment rooms
D3 connection as standard	Allows integration of split system into Daikin building management systems
Selectable evaporating and condensing temperatures	Improves energy efficiency of the 'out of the box' system by 20%, saving money on running costs
30mm of lateral service space required	Unit can be mounted in corners and narrow spaces
Connectible to new BRC1E53A with full communication rooms compatibility	Set up duty rotation with stand-by with no additional controls required



BRC1E53A



BRC7GA53



FHA-A

Ceiling suspended

FHA-A / RZQG-L

Indoor Units			Single Phase				3 Phase			
			FHA71A	FHA100A	FHA125A	FHA140A	FHA71A	FHA100A	FHA125A	FHA140A
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.8	9.5	12.0	13.4	6.8	9.5	12.0	13.4
	Nominal Heating	kW	7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A+	-	A++	A++	A+	-
	Pdesign	kW	6.8	9.5	12.0	-	6.8	9.5	12.0	-
	SEER		6.86	6.11	6.01	-	6.95	6.11	6.01	-
	Annual Energy Consumption	kWh	347	545	699	-	347	545	699	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A+	-	A+	A++	A+	-
	Pdesign	kW	7.60	11.30	14.13	-	7.60	11.30	14.13	-
	SCOP		4.32	4.61	4.23	-	4.32	4.61	4.23	-
	Annual Energy Consumption	kWh	2463	3431	4677	-	2462	3431	4677	-
Nominal Efficiency	EER/COP		3.82 / 4.13	3.81 / 4.15	3.52 / 3.89	3.31 / 3.63	3.82 / 4.13	3.81 / 4.15	3.52 / 3.89	3.31 / 3.63
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.342 / 0.283 / 0.233	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	0.567 / 0.483 / 0.400	0.342 / 0.283 / 0.233	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	0.567 / 0.483 / 0.400
Dimensions	Height	mm	235	235	235	235	235	235	235	235
	Width	mm	1270	1590	1590	1590	1270	1590	1590	1590
	Depth	mm	690	690	690	690	690	690	690	690
Weight		kg	32	38	38	38	32	38	38	38
Sound Pressure (Cooling)	High / Nom / Low	dBA	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38
Sound Pressure (Heating)	High / Nom / Low	dBA	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38
Sound Power (Cooling)		dBA	55	60	62	64	55	60	62	64
Outdoor Units			RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Height x Width x Depth	mm	990 x 940 x 320		1430 x 940 x 320		990 x 940 x 320		1430 x 940 x 320	
Weight		kg	69	95			80	101		
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	7.27	10.18	14.63	16.55	2.74	3.83	5.50	6.23
	Starting Current	A	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Max Fuse Size	A	20	32	32	32	16	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	75	75	75	50	75	75	75
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.90	4.00	4.00	4.00	2.90	4.00	4.00	4.00
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45
Sound Pressure (Heating)	Nom / Night Quiet	dBA	50 / 43	52 / 45	53 / 45	53 / 45	50 / 43	52 / 45	53 / 45	53 / 45
Sound Power (Cooling)		dBA	64	66	67	69	64	66	67	69
Operating Range (Cooling)	Min / Max	°CDB	-15 / 50	-15 / 50	-15 / 50	-15 / 50	-15 / 50	-15 / 50	-15 / 50	-15 / 50
Operating Range (Heating)	Min / Max	°CWB	-20 / 15.5	-20 / 15.5	-20 / 15.5	-20 / 15.5	-20 / 15.5	-20 / 15.5	-20 / 15.5	-20 / 15.5
Air Flow Rate (Cooling)	High	m³/sec	0.983	1.166	1.166	1.400	0.983	1.166	1.166	1.400
ECA Eligible			●	●	●		●	●	●	

Miss-matched pairs for computer room applications:

Efficiency Data		FHA + RZQG	50A + 50A + 71L9V1	100A + 71L9V1	35A + 35A + 35A + 71L9V1	140A + 100L9V1	71A + 71A + 100L9V1	71A + 71A + 125L9V1	50A + 50A + 50A + 100L9V1	35A + 35A + 35A + 100L9V1	140A + 125L9V1	50A + 50A + 50A + 125L9V1	35A + 35A + 35A + 125L9V1
Seasonal Efficiency (EN14825) COOLING	Pdesign	kW		6.80			9.50	12.00	9.50			12.00	
	SEER		5.10	6.95	5.10	6.11		5.10			6.01	5.10	
	Annual Energy Consumption	kWh	467	343	467	545	652	824	652		699	824	
Seasonal Efficiency (EN14825) HEATING (Average Climate)	Pdesign	kW	6.00	7.60	6.00		11.30	12.71	11.30		14.13	12.71	
	SCOP		3.80	4.32	3.80	4.61		3.80			4.23	3.80	
	Annual Energy Consumption	kWh	2211	2463	2211	3432	4164	4683	4164		4677	4683	

Efficiency Data		FHA + RZQG	50A + 50A + 71L8Y1	100A + 71L8Y1	35A + 35A + 35A + 71L8Y1	140A + 100L8Y1	71A + 71A + 100L8Y1	71A + 71A + 125L8Y1	50A + 50A + 50A + 100L8Y1	35A + 35A + 35A + 100L8Y1	140A + 125L8Y1	50A + 50A + 50A + 125L8Y1	35A + 35A + 35A + 125L8Y1
Seasonal Efficiency (EN14825) COOLING	Pdesign	kW		6.80			9.50	12.00	9.50			12.00	
	SEER		5.10	6.95	5.10	6.11		5.10			6.01	5.10	
	Annual Energy Consumption	kWh	467	343	467	545	652	824	652		699	824	
Seasonal Efficiency (EN14825) HEATING (Average Climate)	Pdesign	kW	6.00	7.60	6.00		11.30	12.71	11.30		14.13	12.71	
	SCOP		3.80	4.32	3.80	4.61		3.80			4.23	3.80	
	Annual Energy Consumption	kWh	2211	2463	2211	3432	4164	4683	4164		4677	4683	

Accessories		Accessories
Long life replacement filter	[71] (KAFP501A80) [100/125/140] (KAFP501A160)	Remote sensor (KRCS01-4B)
Fresh air intake kit	(KDDQ50A140)	Remote on/off and forced off kit (EKROR04)
Drain pump kit	(KDU50P140VE)	Digital input adapter [only possible with simplified remote controller / requires installation box with adapter PCB KRP1D93A] (BRP7A52)
L-Type piping kit [upward direction]	(KHFP5N160)	WiFi adapter for online controller (BRP069A81)
Wiring adapter for electrical installation	(KRP1BA54)	
Installation box for adapter PCB	(KRP4AA52)	

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin UK. Daikin UK has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin UK explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin UK.



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