



Sky Air Seasonal Smart Range overview

Daikin again leads the industry with their full light commercial range optimised for seasonal efficiency. Sky Air exceeds the efficiency requirements of the 2013 ErP Directive with Energy Labels of upto A++.

The Sky Air Seasonal Smart outdoor unit offers at least 20% better performance than existing inverter solutions, which is fully in line with 20/20/20 EU policy. The technology used gives very high levels of seasonal efficiency while improving comfort and reducing running costs. Performance can be further enhanced with smart use of Daikin's unique options and settings.



Seasonal Smart can be used in a wide range of applications through features such as:

- "EDP" setting for use in low humidity, continuous cooling applications such as computer & IT rooms
- R22/R407 c replacement technology to help deliver major energy savings and rapid payback
- Guaranteed operation in heating mode down to -20°C external temperature
- 75m pipe run to allow longer distance between indoor & outdoor units
- D-BACS compatibility to link the Sky Air system into a wider building management system
- Customisable evaporating & condensing temperatures to improve operating efficiencies & reduce draughts
- 3 phase and single phase power for all capacities.



Connecting Indoor Units

The following indoor units can be paired with Seasonal Smart outdoor units. Details of capacities, Seasonal Efficiency Ratios and Energy Labels can be found in the table on the reverse.

FCQG / FCQHG-F



FHQ-C



FBQ-C8



FDQ-C



FAQ-C



FVQ-C



FUQ-C



Seasonal Smart Pairings: Nominal versus Seasonal

Indoor	Power	Capacity	Indoor	Outdoor	Nominal Efficiency		Seasonal Efficiency - according to EN14825		
					EER / COP	Energy Label	SEER / SCOP	Energy Label	
Hi Cop Cassette	1~	6.8kW	FCQHG71F	RZQG71L7V1	4.09 / 4.80	A / A	6.11 / 4.18	A++ / A+	
		9.5kW	FCQHG100F	RZQG100L7V1	4.42 / 4.99	A / A	6.21 / 4.30	A+ / A+	
		12.0kW	FCQHG125F	RZQG125L7V1	4.00 / 4.40	A / A	6.00 / 3.89	A+ / A	
		13.4kW	FCQHG140F	RZQG140L7V1	3.35 / 4.12	A / A	Not covered by ErP - use nominal ratings		
	3~	6.8kW	FCQHG71F	RZQG71LY1	4.09 / 4.80	A / A	6.11 / 4.18	A++ / A+	
		9.5kW	FCQHG100F	RZQG100LY1	4.42 / 4.99	A / A	6.21 / 4.30	A+ / A+	
		12.0kW	FCQHG125F	RZQG125LY1	4.00 / 4.40	A / A	6.00 / 3.89	A+ / A	
		13.4kW	FCQHG140F	RZQG140LY1	3.35 / 4.12	A / A	Not covered by ErP - use nominal ratings		
Cassette	1~	6.8kW	FCQG71F	RZQG71L7V1	3.39 / 3.97	A / A	5.81 / 4.13	A+ / A+	
		9.5kW	FCQG100F	RZQG100L7V1	3.87 / 4.15	A / A	5.99 / 3.93	A+ / A	
		12.0kW	FCQG125F	RZQG125L7V1	3.73 / 3.63	A / A	5.69 / 3.84	A+ / A	
		13.4kW	FCQG140F	RZQG140L7V1	3.21 / 3.61	A / A	Not covered by ErP - use nominal ratings		
	3~	6.8kW	FCQG71F	RZQG71LY1	3.39 / 3.97	A / A	5.81 / 4.13	A+ / A+	
		9.5kW	FCQG100F	RZQG100LY1	3.87 / 4.15	A / A	5.99 / 3.93	A+ / A	
		12.0kW	FCQG125F	RZQG125LY1	3.73 / 3.63	A / A	5.69 / 3.84	A+ / A	
		13.4kW	FCQG140F	RZQG140LY1	3.21 / 3.61	A / A	Not covered by ErP - use nominal ratings		
Under Ceiling Cassette	1~	6.8kW	FUQ71C	RZQG71L7V1	4.07 / 4.47	A / A	6.23 / 4.08	A++ / A+	
		9.5kW	FUQ100C	RZQG100L7V1	4.08 / 4.04	A / A	5.62 / 3.93	A+ / A	
		12.0kW	FUQ125C	RZQG125L7V1	3.40 / 4.04	A / A	5.03 / 4.44	B / A+	
	3~	6.8kW	FUQ71C	RZQG71LY1	4.07 / 4.47	A / A	6.23 / 4.08	A++ / A+	
		9.5kW	FUQ100C	RZQG100LY1	4.08 / 4.04	A / A	5.62 / 3.93	A+ / A	
		12.0kW	FUQ125C	RZQG125LY1	3.40 / 4.04	A / A	5.03 / 4.44	B / A+	
		13.4kW	FUQ140C	RZQG140LY1	3.21 / 3.61	A / A	Not covered by ErP - use nominal ratings		
Ceiling Suspended	1~	6.8kW	FHQ71C	RZQG71L7V1	3.82 / 4.13	A / A	5.85 / 3.95	A+ / A	
		9.5kW	FHQ100C	RZQG100L7V1	3.81 / 4.15	A / A	5.69 / 4.30	A+ / A+	
		12.0kW	FHQ125C	RZQG125L7V1	3.35 / 3.89	A / A	5.21 / 4.23	A / A+	
		13.4kW	FHQ140C	RZQG140L7V1	3.31 / 3.63	A / A	Not covered by ErP - use nominal ratings		
	3~	6.8kW	FHQ71C	RZQG71LY1	3.82 / 4.13	A / A	5.85 / 3.95	A+ / A	
		9.5kW	FHQ100C	RZQG100LY1	3.81 / 4.15	A / A	5.69 / 4.30	A+ / A+	
		12.0kW	FHQ125C	RZQG125LY1	3.35 / 3.89	A / A	5.21 / 4.23	A / A+	
		13.4kW	FHQ140C	RZQG140LY1	3.31 / 3.63	A / A	Not covered by ErP - use nominal ratings		
Floor	1~	6.8kW	FVQ71C	RZQG71L7V1	3.37 / 3.64	A / A	5.16 / 3.81	A / A	
		9.5kW	FVQ100C	RZQG100L7V1	3.81 / 4.14	A / A	5.59 / 3.80	A / A	
		12.0kW	FVQ125C	RZQG125L7V1	3.21 / 3.70	A / A	4.77 / 3.85	B / A	
		13.4kW	FVQ140C	RZQG140L7V1	3.21 / 3.61	A / A	Not covered by ErP - use nominal ratings		
	3~	6.8kW	FVQ71C	RZQG71LY1	3.37 / 3.64	A / A	5.16 / 3.81	A / A	
		9.5kW	FVQ100C	RZQG100LY1	3.81 / 4.14	A / A	5.59 / 3.80	A / A	
		12.0kW	FVQ125C	RZQG125LY1	3.21 / 3.70	A / A	4.77 / 3.85	B / A	
		13.4kW	FVQ140C	RZQG140LY1	3.21 / 3.61	A / A	Not covered by ErP - use nominal ratings		
Wall Mount	1~	6.8kW	FAQ71C	RZQG71L7V1	3.40 / 3.70	A / A	5.21 / 3.90	A / A	
		9.5kW	FAQ100C	RZQG100L7V1	3.62 / 3.61	A / A	5.11 / 4.01	A / A+	
		12.0kW	FAQ125C	RZQG125L7V1	3.33 / 3.61	A / A	Not covered by ErP - use nominal ratings		
	3~	6.8kW	FAQ71C	RZQG71LY1	3.40 / 3.70	A / A	5.21 / 3.90	A / A	
		9.5kW	FAQ100C	RZQG100LY1	3.62 / 3.61	A / A	5.11 / 4.01	A / A+	
		13.4kW	FAQ140C	RZQG140LY1	3.21 / 3.61	A / A	Not covered by ErP - use nominal ratings		
Ducted	1~	6.8kW	FBQ71C8	RZQG71L7V1	3.50 / 3.65	A / A	5.11 / 3.81	A / A	
		9.5kW	FBQ100C8	RZQG100L7V1	3.89 / 4.21	A / A	5.61 / 4.25	A+ / A+	
		12.0kW	FBQ125C8	RZQG125L7V1	3.81 / 3.83	A / A	5.61 / 4.05	A+ / A+	
		13.4kW	FBQ140C8	RZQG140L7V1	3.33 / 3.61	A / A	Not covered by ErP - use nominal ratings		
	3~	6.8kW	FBQ71C8	RZQG71LY1	3.50 / 3.65	A / A	5.11 / 3.81	A / A	
		9.5kW	FBQ100C8	RZQG100LY1	3.89 / 4.21	A / A	5.61 / 4.25	A+ / A+	
		12.0kW	FBQ125C8	RZQG125LY1	3.81 / 3.83	A / A	5.61 / 4.05	A+ / A+	
		13.4kW	FBQ140C8	RZQG140LY1	3.33 / 3.61	A / A	Not covered by ErP - use nominal ratings		
Hi Static Ducted	1~	12.0kW	FDQ125C	RZQG125L7V1	3.75 / 3.83	A / A	5.61 / 4.05	A+ / A+	
	3~	12.0kW	FDQ125C	RZQG125LY1	3.75 / 3.83	A / A	5.61 / 4.05	A+ / A+	

This table is for guidance only and should not be used for selection of equipment. Full equipment specification and details of Energy Label and Seasonal Data according to EN14825 can be found at www.daikin.co.uk

Nominal versus seasonal efficiency

Temperature		Capacity		Auxiliary modes	
NOMINAL	SEASONAL	NOMINAL	SEASONAL	NOMINAL	SEASONAL
1 Temperature condition: 35°C for cooling 7°C for heating	Several rating temperatures for cooling and heating, reflecting actual performance over an entire season	Does not reflect partial capacity	Integrates operation at partial instead of full capacity	Does not take auxiliary power modes into account	Includes consumption auxiliary modes:
Does not often occur in reality		Benefits of inverter technology not visible	Benefits of inverter technology are shown		<ul style="list-style-type: none"> Thermostat off Standby mode OFF mode Crankcase heater