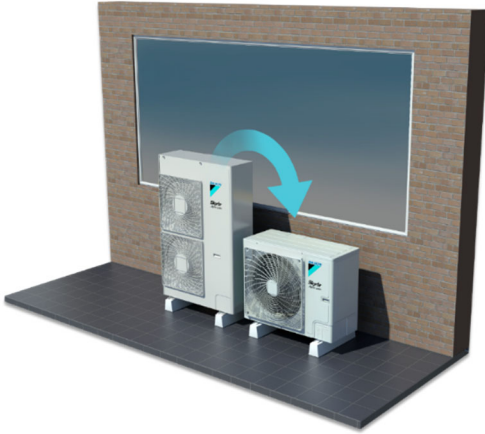


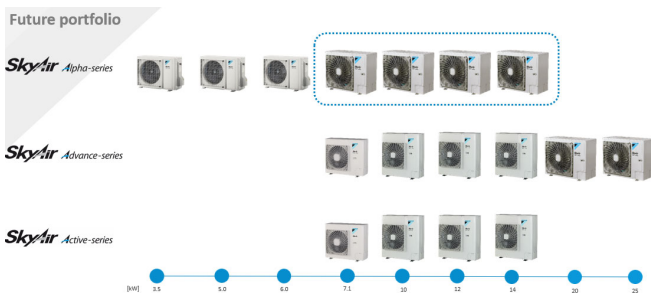


Launch of Single fan Alpha Series

October 2019

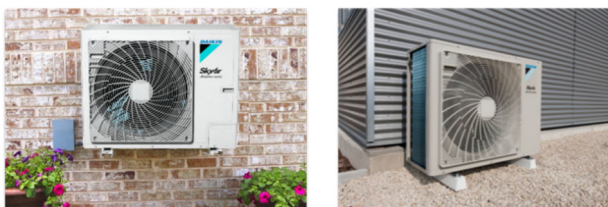


The Single Fan Alpha Series unit is a fantastic innovation - the result of optimising the design of the unit around the new environmentally friendly R32 gas. A new case, with a redesigned triple row heat exchanger and ergonomic lifting handles, is designed for ease of install and maintenance. The single fan Alpha also includes all the features existing in the currently Sky Air Alpha such as EDP setting, 85m pipe length, replacement technology and leak check function.



Lowest height unit in the market

The new single fan Alpha Series unit is the lowest height unit on the market - at just 870mm - which brings tremendous advantages in terms of installation flexibility on a wall or on the ground.



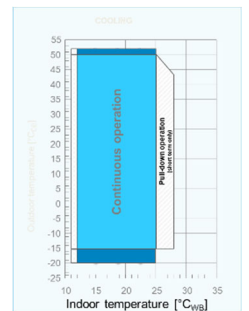
The lowest amount of refrigerant charge of any equivalent unit on the market

The single fan Alpha has been designed to minimise the amount of refrigerant required for operation and to maximise the performance of the unit. The unit is pre-charged with 3.2 Kg of R32 which is equivalent to 40m of pipe run giving a kg to metre pipe-length ratio of 0.08. This is 22% less than a competitor's comparable R32 equipment and a massive 40% less refrigerant that a comparable competitor R410A unit. This clearly demonstrates the benefits that totally redesigning the unit around the new R32 refrigerant can deliver for customers.

Customer benefits

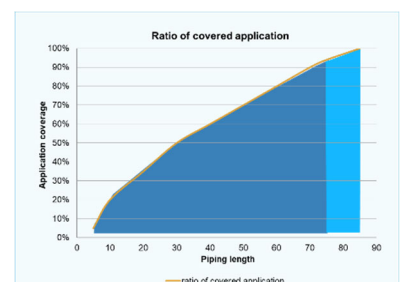
Extended operating ranges for more flexible, versatile installations:

- › Extended cooling operation up to +52° CDB
- › Extended cooling operation down to -20° CDB
- › Heating operating down to -20° CWB



Increased piping flexibility

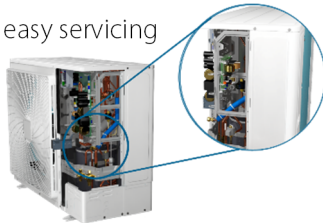
- › Maximum pipe run up to 85m
- › Minimum distance reduced to 3m





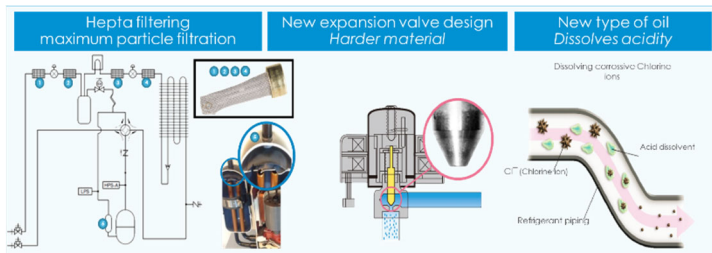
Rotating terminal rack for easy access for maintenance:

- › Enhanced thermistor and compressor accessibility
- › Quicker and easy servicing



New replacement technology on all Sky Air A-series:

- › Piping re-usage with no cleaning required
- › Easy and quick replacement of existing units
- › Optimum performance from day one, thanks to improved filters around the expansion valve, harder wearing components and a new oil that dissolves acidity



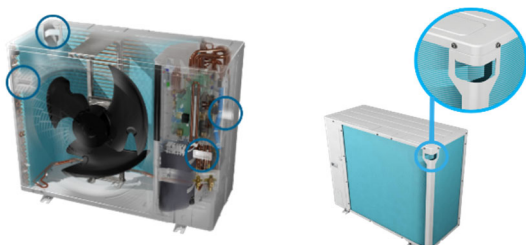
85 maximum pipe length for total installation flexibility

ESP Setting function (>30 Pa)

R32 refrigerant – latest low Global Warming Potential, high efficiency refrigerant, which has the lowest gas charge per metre compared with leading competitors currently supplying R32 high capacity systems

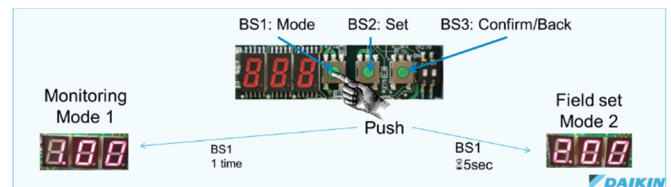
92Kg weight means easy to move with four ergonomically located lifting lugs

- › For ease of moving into the required location.



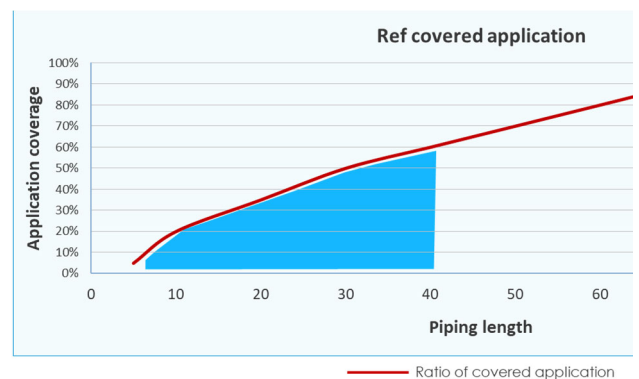
3 digit 7-segment display on all new Sky Air A-series:

- › Easy setting of outdoor unit functions
- › Easy read-out of service settings



Factory ready for 40m pipe-runs:

- › Cover 60% of all applications without any additional charging
- › Major time and cost saving compared to other systems, as no need for additional refrigerant charge calculations, carrying gas bottles, adding field charge etc.





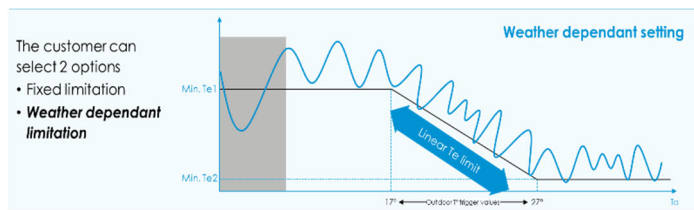
New autonomous leak check function reduces the time on site

- › System evaluates if a leak has occurred (based on the internal system values and operating conditions of the past year)
- › No pressure verification and recovery required
- › Drastically improved maintenance routine saves costs
- › Quicker verification
- › Enhanced overall system reliability
- › Enabled via the outdoor unit 7-segment display



Sky Air Variable Refrigerant Temperature:

- › Increases the discharge temperature and eliminates cold drafts!
- › Improved customer comfort and reduced energy consumption!

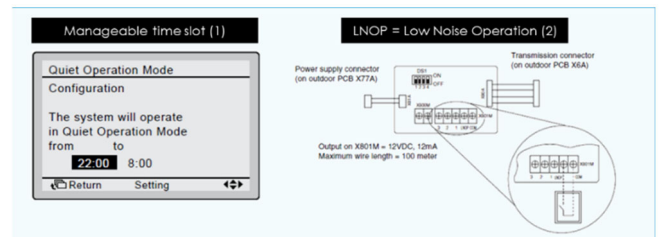


Compatibility

- › All current Sky Air indoor units are compatible with the new units
- › Three phase for commercial applications

Manageable reduced sound operation:

- › Outdoor sound levels can even be reduced further depending on the customer requirements
- › Low noise can be activated via the indoor unit remote controller during a dedicated time slot, or via an optional card (KRP58M51), during external activation
- › Average sound pressure reduction is around -4~5dB(A)



Control your Sky Air-series

- › Via the cloud, for standalone shops, offices, restaurants





Connectivity

Capacity	Phase	Previous model	NEW Model
7.1 kW	Single phase	RZAG71MV1	RZAG71NV1
	Three phase	RZAG71MY1	RZAG71NY1
10 kW	Single phase	RZAG100MV1	RZAG100NV1
	Three phase	RZAG100MY1	RZAG100NY1
12.5 kW	Single phase	RZAG125MV1	RZAG125NV1
	Three phase	RZAG125MY1	RZAG125NY1
14 kW	Single phase	RZAG140MV1	RZAG140NV1
	Three phase	RZAG140MY1	RZAG140NY1

Options and accessories

			Low height single fan Alpha RZAG- NV1/NY1	Low height single fan Alpha RZAG- NV1/NY1	Low height single fan Alpha RZAG- NV1/NY1	Low height single fan Alpha RZAG- NV1/NY1
Description	Model name	Class	71	100	125	140
Demand adapter kit	KRP58M51	Option kit	○ (*1)	○ (*1)	○ (*1)	○ (*1)
Mounting plate	EKMKSA2	Option kit	○ (*1)	○ (*1)	○ (*1)	○ (*1)
Demand adapter kit + mounting plate	SB.KRP58M52	Sales BOM	○ (*1)	○ (*1)	○ (*1)	○ (*1)
Bottom plate heater - new casing	EK BPH140N (*2)	Option kit	○	○	○	○

(*1) To mount KRP58M51, an additional mounting kit (EKMKSA2) needs to be used (obligatory). This will be offered as Sales BOM SB.KRP58M52 = KRP58M51 + EKMKSA2

(*2) Bottom plate heater to be used in ambient temperature < -5°C & high humidity environment persists for more than 5 days.

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