



## New energy efficient R410A and R407C Rooftop Packaged systems



TURN TO THE EXPERTS



Carrier has over 100 years expertise in the manufacture of innovative, versatile, energy efficient **Packaged Rooftop** systems designed for longevity, ensuring peace-of-mind to all customers.

Carrier Rooftop Packaged systems encompass, standard, bespoke and direct replacement of both Carrier units and other manufacturers ranges.

Nationwide there are hundreds of units still operating that were installed over 20 years ago. These units, although running smoothly contain old technology and consume a high level of energy, increasing the running costs to the building owner or occupant, they also suffer from structural progressive corrosion.

Carrier have designed new systems that incorporate advanced components designed specifically to maximise energy efficiency. These systems are designed to replace the old systems exactly, in terms of their physical dimensions and duties. The replacement of the new system is easy and cost effective as the roof curb for the old system can be used for the new unit. The replacement of these units can also be done out of business hours, ensuring no disruption to your business operation.

These new units will help you comply with Legislation and Regulations

- **Ozone Depleting Substances (ODS) Legislation**  
Many Packaged Rooftop systems operate on old refrigerant such as R22. This is an HCFC refrigerant that can cause damage to the ozone layer. EU Legislation means that suppliers of new R22 for servicing existing units will be progressively restricted until its eventual phase out in 2010. After that date, owners will be reliant on suppliers of reclaimed refrigerant to service their plant.
- **F Gas Directive**
- **EN378**
- **Part L of the Energy Performance of Building Directive**
- **Noise Restrictions**

### 50TGQ Package Heat Pump Units

The 50TGQ rooftop heat pumps with vertical air discharge are designed for outdoors installation and ideally suited for commercial and industrial applications. Incorporating advanced scroll compressors and operating on R407C non-ozone depleting refrigerant. These are designed to replace the 50RQ and the 50TFQ.

NEW 50TGQ	090	120	140
Dimensions (mm) h x w x d	1255 x 1496 x 2250	1255 x 1496 x 2250	1255 x 1496 x 2250
Cooling Capacity (kW)	17.9	25.1	31.5
Heating Capacity (kW)	19	28.6	34.2
Refrigerant	R407C		

### 50GL Package Cooling Unit

These single-packaged cooling units also benefit from the utilisation of scroll compressors and operate on R410A refrigerant. With the optional electric heater they incorporate many energy-saving features.

NEW 50GL	024	030	036	048
Dimensions (mm) h x w x d	940 x 799 x 1226	991 x 799 x 1226	890 x 799 x 1226	990 x 1091 x 1226
Cooling Capacity (kW)	6.9	8.6	10.7	14.4
Refrigerant	R410A			

### 50JZ Package Heat Pump Units

These single-packaged heat pumps are designed to replace the 50QQ units, the 50JZ operates on R410A refrigerant, incorporates scroll compressors and has an optional electric heater that incorporates many energy-saving benefits including low installation cost, dependable performance and easy maintenance.

NEW 50JZ	024	030	036	048
Dimensions (mm) h x w x d	890 x 799 x 1226	940 x 799 x 1226	940 x 799 x 1226	1041 x 1091 x 1226
Cooling Capacity (kW)	6.9	8.6	10.7	14.4
Heating Capacity (kW)	7.0	8.1	10.6	13.1
Refrigerant	R410A			

## Dedicated Design team

Carrier have a dedicated design team focussed on helping you establish your exact needs and ensure that the system will meet specific legislative requirements and deliver maximum energy saving benefits. Whether it is a straight forward replacement, or a bespoke system needed to meet high demands in a restrictive footprint, Carrier can deliver you the perfect energy efficient solution.

The manufacturer reserves the right to change the specification shown in this brochure without notice. Please consult Carrier's design team for product selection.

Contact Carrier Specialist Design  
and Project Team on **01372 220237**

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