

Model: Kair Trakmaster

Model Number: KHRVF100

Installation and Maintenance Instructions and User Guide



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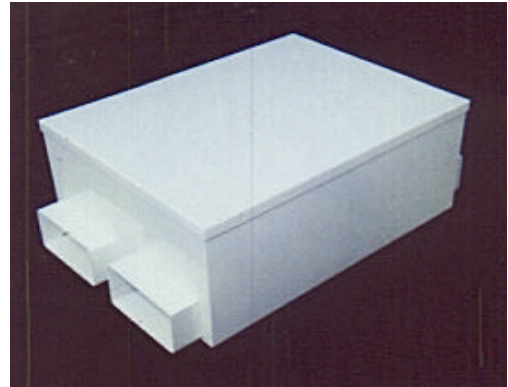
■ GENERAL

Kair™ Trakmaster KHRVF100 Heat Recovery Ventilators provide a continuous air change, replacing stale moisture-laden air with fresh, pre-warmed air from outside. The continuous controlling of Relative Humidity levels ensures that conditions will not exist in which condensation or mould growth problems can develop and thrive.

Kair™ Trakmaster KHRVF100 controls condensation problems in small flats and bungalows and are an integral part of the Kair 'Hybrid' Heat Recovery Systems (See separate Data sheet).

The pressurised input of fresh air and the exhaust of damp polluted air will create continuous air movement, which in turn leads to surface evaporation. In effect a 'drying out' process takes place.

Unlike conventional extractor fans, which suck out and waste expensively produced heat, Kair™ Trakmaster KHRVF100 Heat Recovery Ventilators recover up to 65% of exhaust heat, even when operating on boost mode.



■ SITE REQUIREMENTS

The Kair™ Trakmaster is designed for easy installation by use of standard rectangular or circular ducting. Installation can, if required, be undertaken entirely within a building with no requirement for external access using core-drilled 'through wall ducting cowls'. This feature can dramatically reduce installation costs on high-rise applications.

The Kair™ Trakmaster unit should be sited as near as possible to an external wall, with input and exhaust points kept slightly apart to prohibit cross contamination of exhaust and supply air.

The units are factory set to provide a positive pressure and the input supply of air should be directed to a central point such as a landing stairwell, main entrance hall or passage.

If specifically required, a 'balanced' airflow can be obtained by adjusting the wiring of the unit. This should only be carried out by a qualified electrician who should contact Kair™ Ventilation for detailed instructions.

■ CONTROL

A variety of manual or automatic controls are available including:

- KSC2 – Two speed switch for manual override.
- HUM2 - Automatic switching two speed humidistat



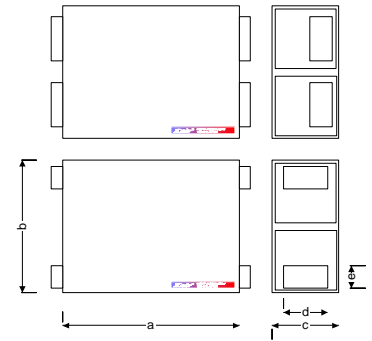
Independent switching for input or extract motors to vary pressures for Summer / Winter settings – internal bathrooms / kitchens variable life styles – multiple occupancy.

■ INSTALLING THE UNIT

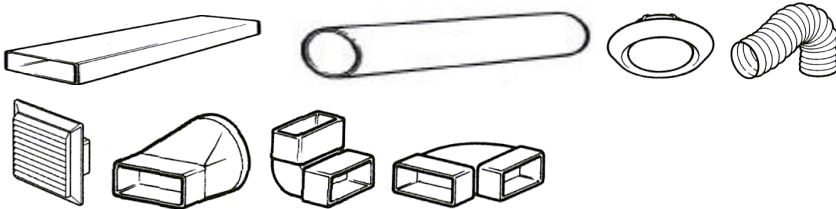
IMPORTANT: Ensure that the mains electrical supply is switched OFF before commencing installation or maintenance.

The Kair™ Trakmaster is designed for easy installation by use of 102mm core drilled holes. Installation is undertaken entirely within a building with no requirement for external access, thus reducing installation costs on high-rise applications.

Screwdriver access must be provided to the sides of the machine to allow removal off unit lid for maintenance and filter cleaning.



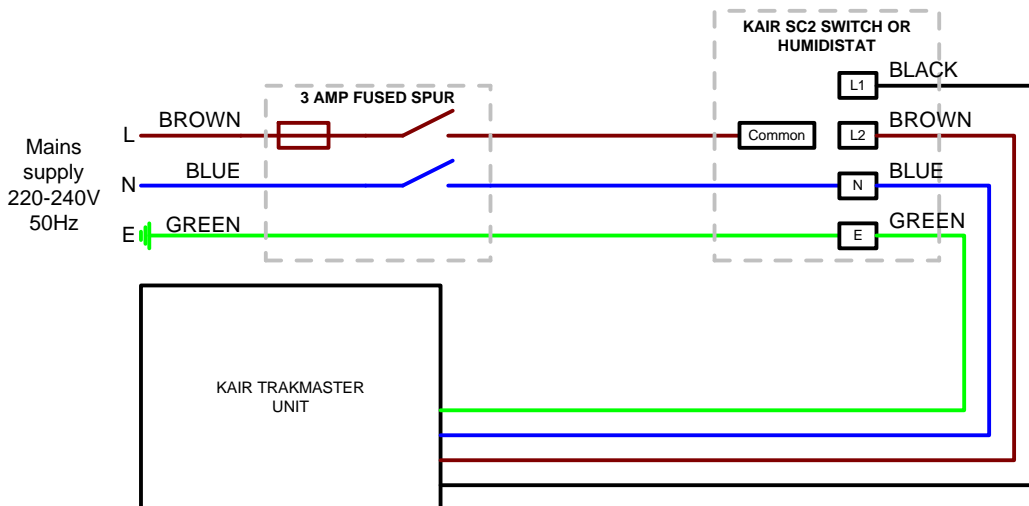
■ DUCTING THE UNIT



Full ancillary list available on request

■ WIRING INSTALLATION

Installation can be carried out by a suitably qualified craftsman and connected to electrical supply by an electrician in accordance with current IEE Regulations.



■ MAINTENANCE

The unit should be properly maintained with filters being changed at least once a year. Supply and exhaust grilles should be cleaned and kept clear of dust, organic debris etc to ensure free flow of air. Full maintenance / repair service is available.

■ INSTALLATION DETAILS

Installer stamp:

SERIAL NUMBER:
DATE INSTALLED:

■ SUPPLIER DETAILS

Suppliers stamp:

■ TECHNICAL ASSISTANCE

For technical assistance on any matter concerning this unit you may contact the above or the manufacturer:

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