

RM Series

ROOF MOUNTED DIRECT GAS FIRED UNITS



Introduction

Providing combined heating and ventilation, RM units are designed for installation at high level where floor space is at a premium. They are also ideal for replacing existing steam or hot water heated air input units, where central boiler plant is replaced with a decentralised gas fired system.

These roof mounted direct fired units are fitted with fully modulating burners and operate at 100% efficiency (based on Nett CV) throughout the firing range.

All units are included on the Carbon Trust Energy Technology List, enabling users to claim 100% Enhanced Capital Allowances within the first year of installation.

ECA



Authorised User No. 00165

This symbol verifies that the product was independently assessed and qualifies for the ECA scheme, an upfront tax relief enabling businesses that invest in energy-saving equipment to claim 100% first-year capital allowances against their taxable profits

Features & Benefits

- Ideal for smaller applications requiring combined heating and ventilation or for larger applications where multiple units can be used to provide accurate environmental control to each zone.
- Air re-circulation facility as standard
- An integral microprocessor controls both the fully modulating dampers and The burner to ensure complete co-ordination of the heating and ventilation functions
- Aluminium construction for reduced weight
- Patented 80/20 air recirculation provides pressurised distribution for winter heating and 100% fresh air for summer ventilation

Options

- Roof soaker sheet and fibreglass air inlet cowl
- Non standard discharge head:- two way



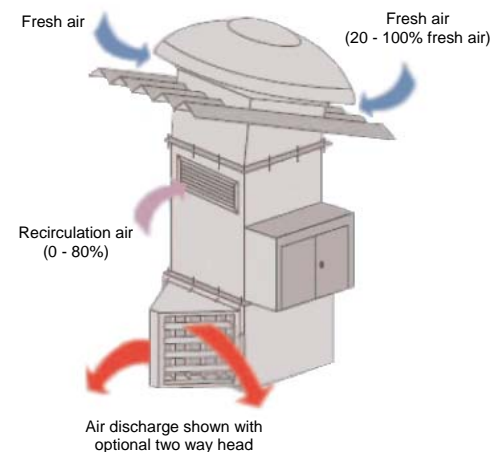
Model range

Two models are available providing heat outputs of either 150kW or 200kW

Aluminium finish with a horizontal outlet head complete with heavy gauge horizontal and vertical aerofoil louvers

Operating Principle

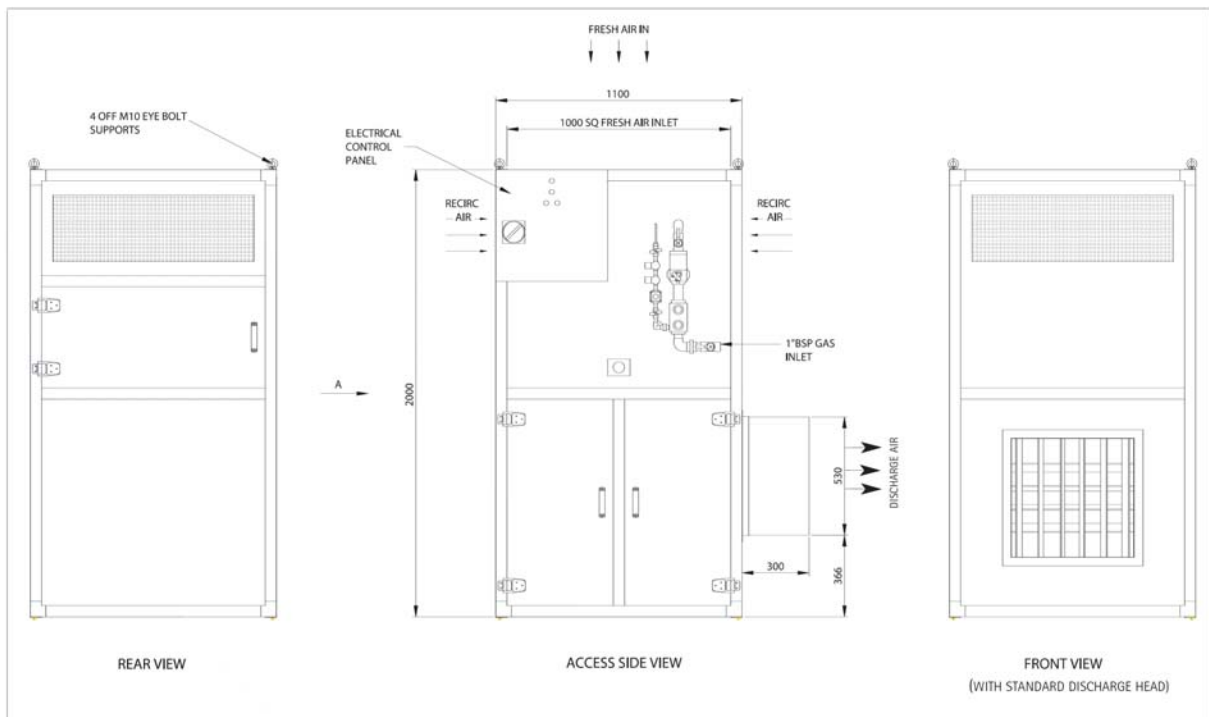
Introducing a controlled amount of heated fresh air gently pressurises the building and significantly reduces the rate of random cold air infiltration around the perimeter. This ensures even temperature distribution - a key requirement for a pleasant working environment. Vertical temperature gradients are minimised thereby eliminating the requirement for de-stratification fans. Where extract ventilation is used, the units can operate on 100% fresh air to provide balanced make-up air.



Technical Data

Model	Standard Airflow m ³ /sec	Maximum Heat Output kW	Gas Rate m ³ /h	Gas Connection BSP	Motor Size kW	Approx Weight Kg
RM 150	2.7	150	15.75	0.55	3	150
RM 220	3.6	200	21	0.75	4	200

Note. Weight is for basic unit and will depend on optional outlet heads and inlet ducts fitted.



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