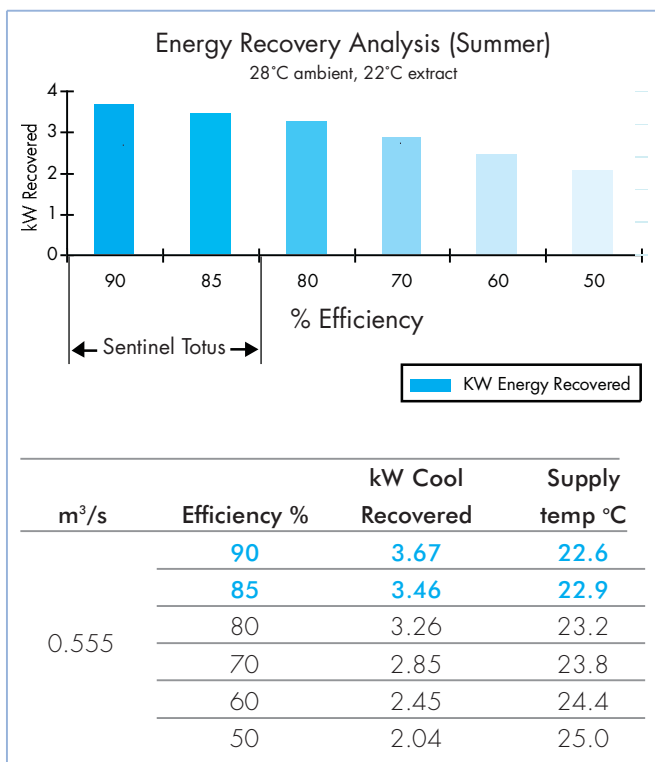
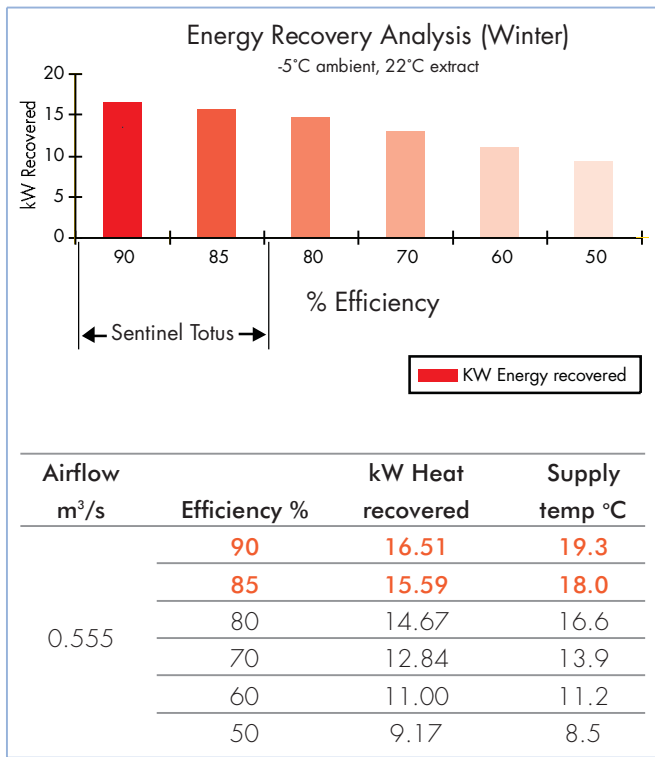


Sentinel Totus D-ERV

Energy Recovery - Demand Totus



The need for energy recovery

Rising fuel prices are placing an increased burden on organisations as they seek to reduce consumption.

Sentinel Totus D-ERV incorporates a number of market leading technologies and control strategies to take commercial heat recovery ventilation to the next level and further reduce energy consumption and waste.

- ✓ **Sentinel demand ventilation control** - matching air quality with low power consumption using high efficiency, low energy EC/DC motor technology.
- ✓ **Energy saving control functions** -
 - i. Automatic summer bypass - provides free cooling during summer
 - ii. Low standby power - 0.6 watts
 - iii. Night time purge facility - reducing air conditioning start up loads
- ✓ **System interfaces** - to optimise interface with environmental control systems.
 - i. Air conditioning interlock - to maximise energy recovery opportunities
 - ii. Heating system interlock - to optimise summer bypass functionality
 - iii. BMS interfaces - control and monitoring
- ✓ **High efficiency energy recovery cell**
 - i. Up to 90% energy recovery - reducing associated heating and cooling loads by up to 25%
 - ii. High efficiency eliminates the need for re-heaters eg. typically at -5°C ambient, 22°C room conditions the supply air temperature is maintained above 19°C.