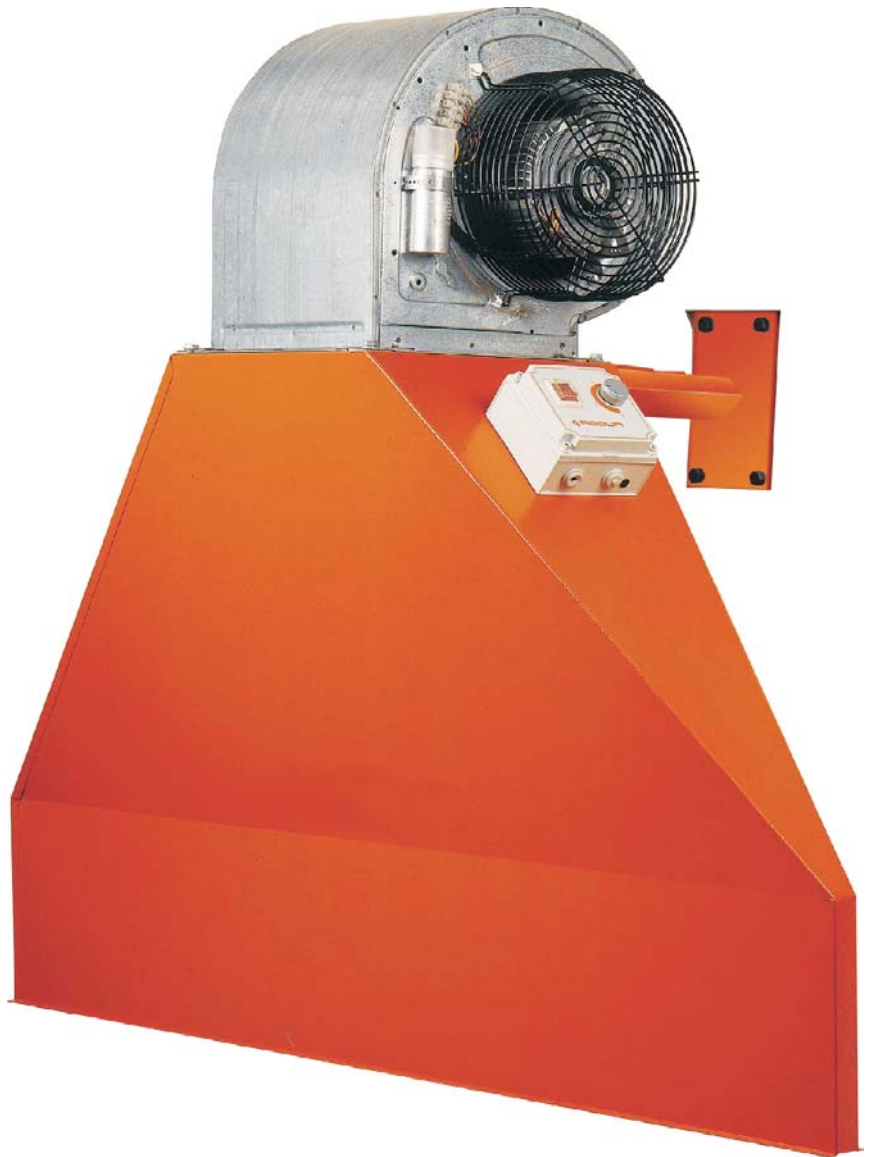
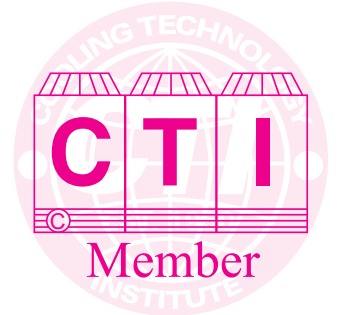


OMRAN OR4

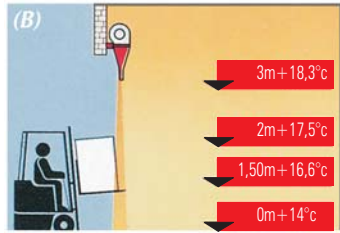
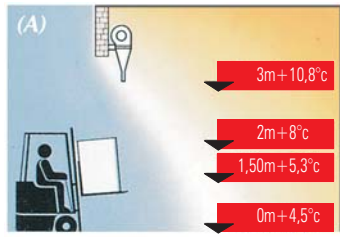
Air CURTAIN

(OR4 Series)

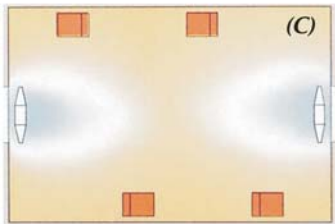


AIR BARRIERS .

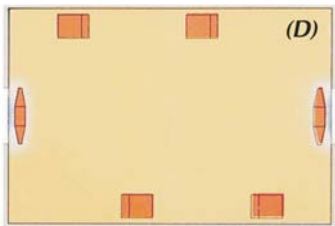
The two diagrams show internal temperature measured in an industrial building when OR4 air barrier is inactive (A) or operating (B)



Diagrams C show HOT air is dispersed and at the same time COLD air penetrates from outside when no adequate protection is fitted on an open door.



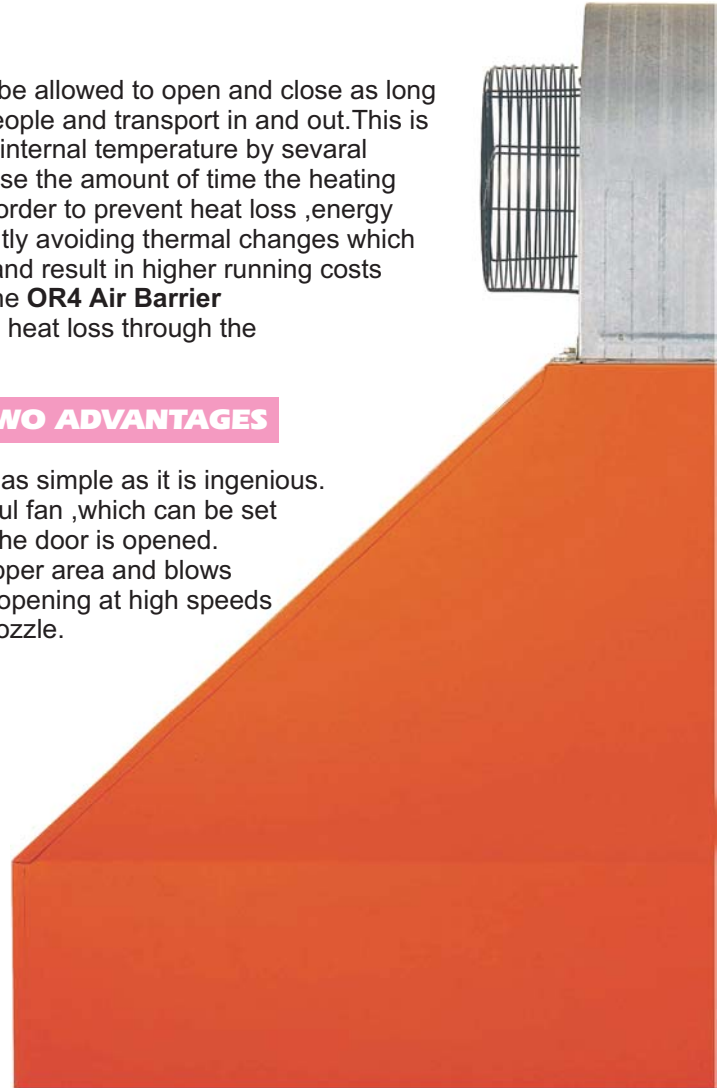
Diagrams D show how internal temperature is kept constant with an open door fitted with fully operational air barriers.



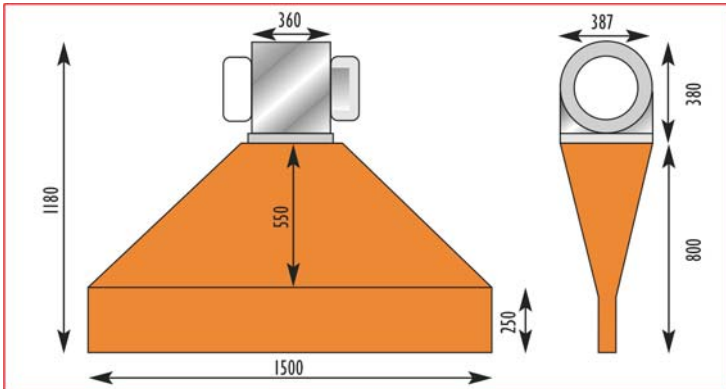
Industrial doors must be allowed to open and close as long as is required to let people and transport in and out. This is sufficient to lower the internal temperature by several degrees and to increase the amount of time the heating system is running. In order to prevent heat loss, energy waste and subsequently avoiding thermal changes which can affect personnel and result in higher running costs **Omrans** has created the **OR4 Air Barrier** which greatly reduces heat loss through the door openings.

ONE BARRIER TWO ADVANTAGES

The **OR4** operation is as simple as it is ingenious. It consists of a powerful fan, which can be set to operate each time the door is opened. It takes air from the upper area and blows it down over the door opening at high speeds through its long thin nozzle.



This action promotes two fundamental effects. It helps to eliminate heated internal air from escaping to outside and also re-uses the hotter air from the higher area by blowing it back down to the lower working level where it is needed. This results in a double thermal recovery.

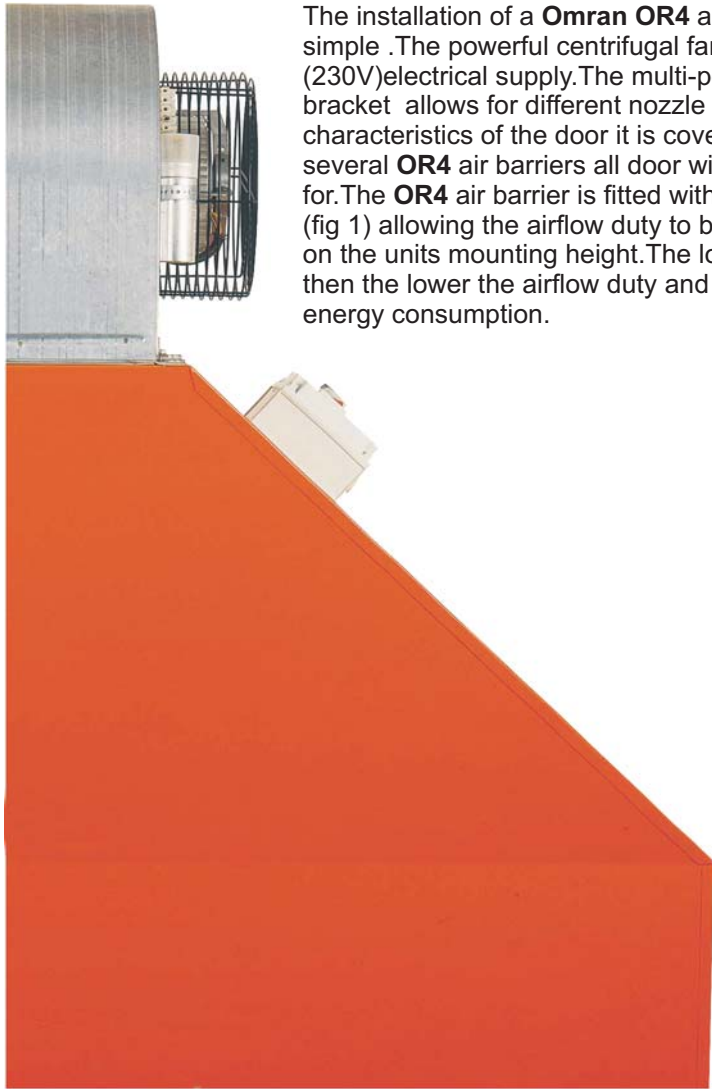


CHARACTERISTICS	OR4	OR4S
Air flow	2800 m ³ /h	3200 m ³ /h
Air output speed	24 m/s	26 m/s
Noise level at 3m	65 db (A)	65 db (A)
Max. installation height	4.0-4.5 m	4.5-5.0 m
Power supply	230 v-50 Hz	230 v-50 Hz
Run current	4.4 A	4.4 A
Power consumption	550 w	550 w

With the aim of continuously improving the quality of our products, Omran reserves the right to vary above data without prior notice

EXTERNAL AIR IS STOPPED

SIMPLE INSTALLATION-MAXIMUM VERSATILITY.

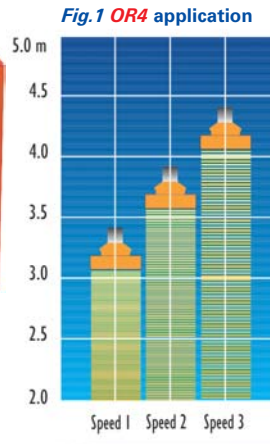


The installation of a **Omran OR4** air barrier is nice and simple. The powerful centrifugal fan requires a single-phase (230V) electrical supply. The multi-positional wall fixing bracket allows for different nozzle angles to suit the characteristics of the door it is covering. By installing several **OR4** air barriers all door widths can be catered for. The **OR4** air barrier is fitted with a three speed regulator (fig 1) allowing the airflow duty to be altered depending on the units mounting height. The lower the door opening then the lower the airflow duty and thus, the lower the energy consumption.

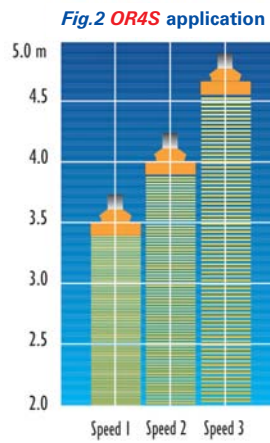


FLEXIBILITY TO REDUCE COSTS .

For high doors the special **Omran OR4S** air barrier has been developed. The **OR4S** has a higher air flow duty and thus a better air throw which allows for a higher installation height, (fig.2 shows an installation up to 4.5 m high) In addition due to the special configuration this **OR4S** air barrier can be installed with a horizontal air throw for special applications.



Typical installation of air barriers at malaguti moto in san lazzaro di savena, italy.





All data and specification subject to change without notice .

OMRAN TAHVIEH

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