



Howden

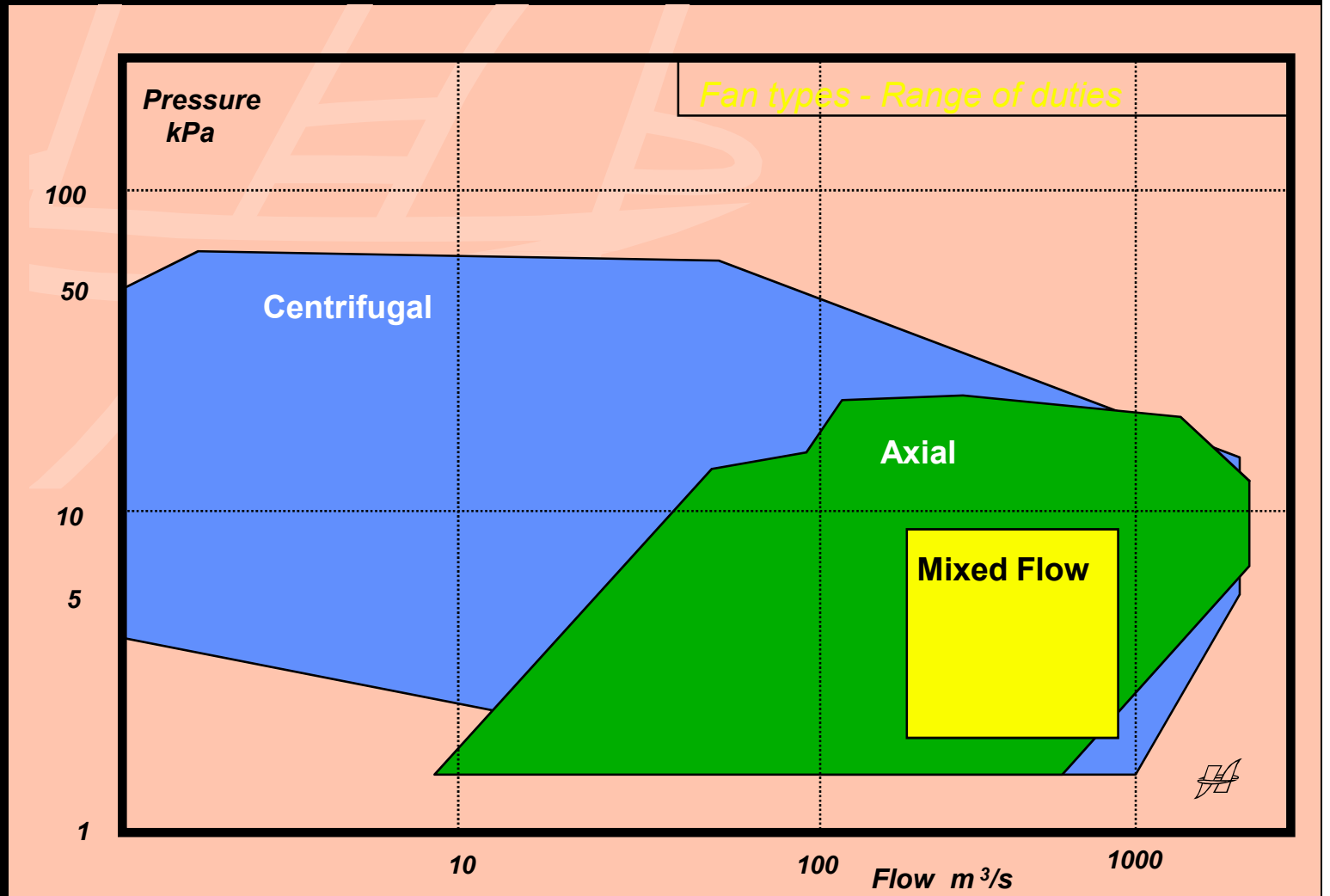
Heavy duty centrifugal fans

**Heavy duty
centrifugal fans**



Howden

Operating range





Howden

Major markets

Power generation

Flue Gas Desulphurisation (FGD)

Iron & Steel

Mine ventilation

Cement manufacture

Petrochem & process

Applications which demand the highest levels of performance, reliability and maintainability



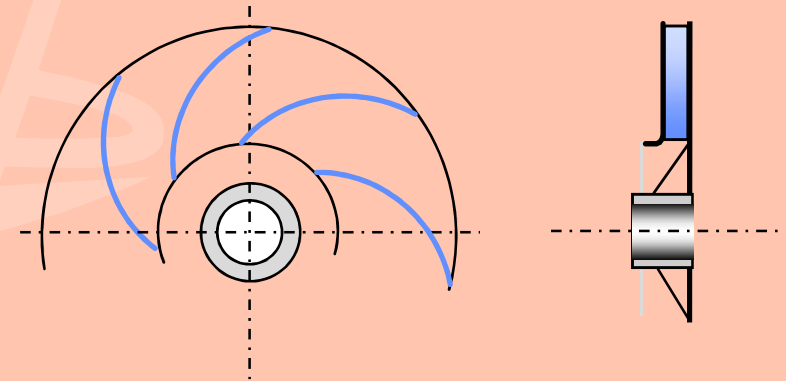
Howden

Howden T Range

T2
T3

Description

Narrow inherently strong impellers which can run at very high speed.



Typical applications

Air blowing and process applications requiring high pressures



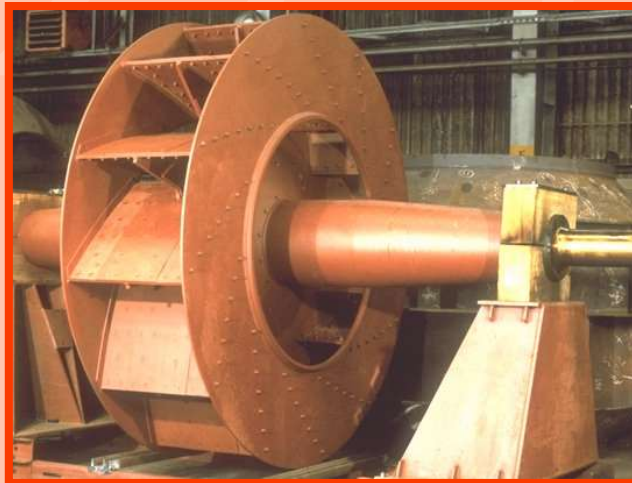
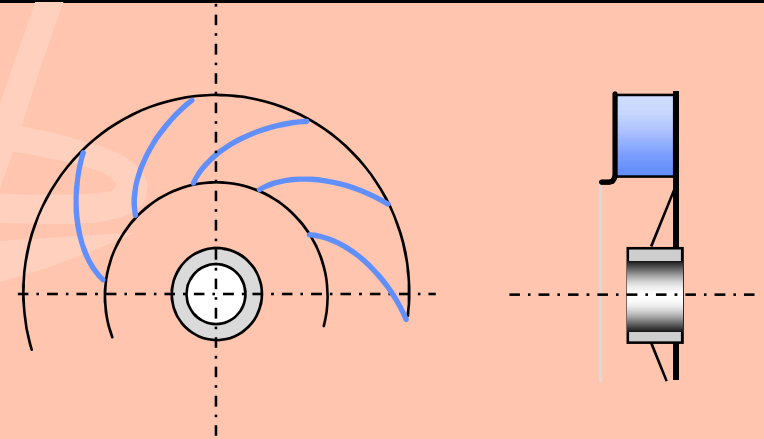
Howden

Howden L Range

L1
L2N
L3N
L4N
L4
L5N

Description

A family of strong, highly efficient impellers optimised to maximise strength and reduce blade curvature.



Typical applications

Movement of air and gas at medium to high pressures; eg
Sinter and pelletising fans
Boiler primary air fans



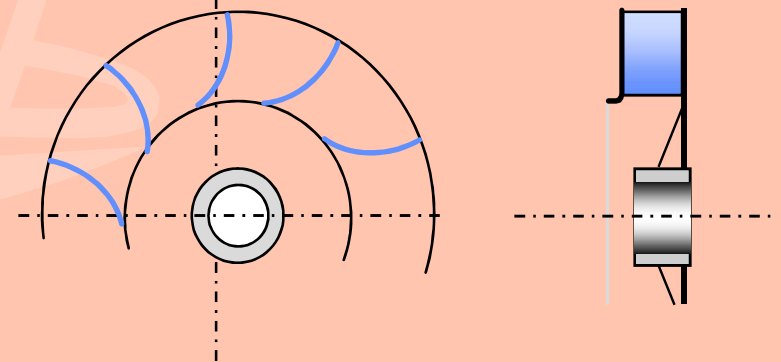
Howden

Howden RT Range

RT30
RT40
RT60
RT70
RT80
RT90

Description

A family of backward inclined forward curved bladed impellers.



Typical applications

Used with dust laden gases where the customer specifies the use of a radial tipped fan.



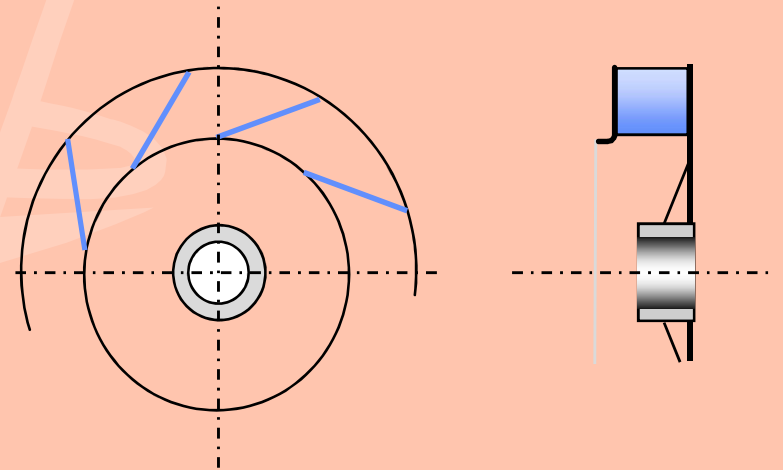
Howden

Howden MP Range

MP1
MP6

Description

Cost effective flat plate bladed impellers that can be easily lined.



Typical applications

Air and gases containing moderate amounts of erosive particles, eg
Sinter and pelletising fans
Boiler draught fans



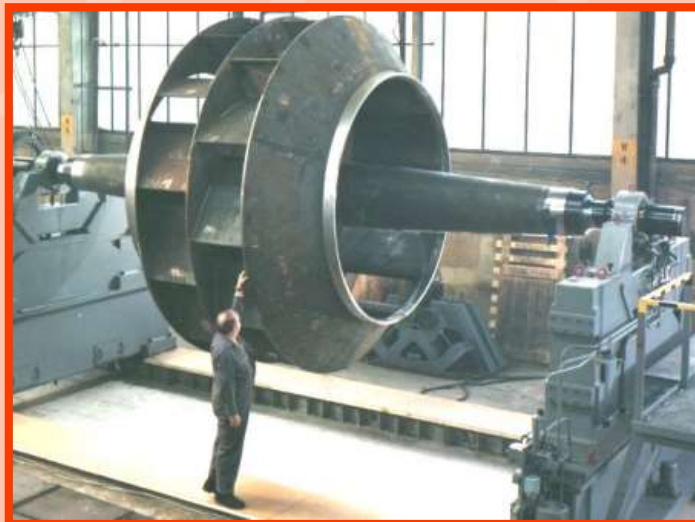
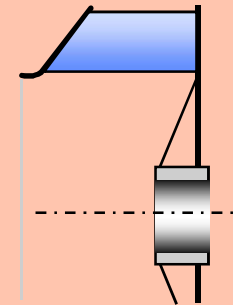
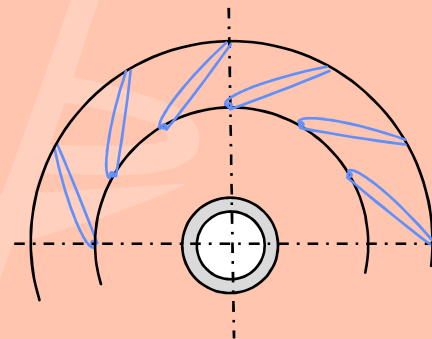
Howden

Howden Z & B Ranges

Z9
Z9B
B65
B92

Description

Highly efficient aerofoil bladed fans suitable for high flow rates at medium to low pressures.



Typical applications

The movement of air or gases containing moderate amounts of erosive particles, eg
Boiler draught
Mine ventilation

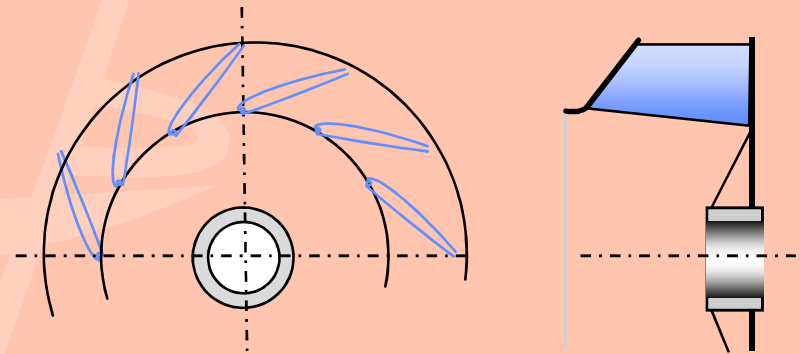
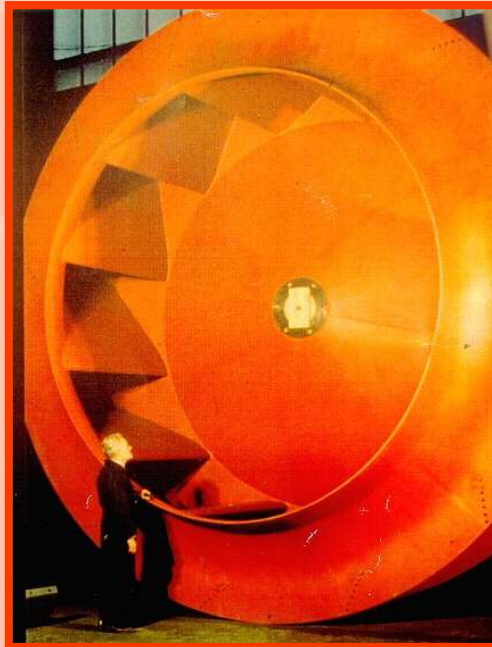


Howden

Howden ZM1 Range

ZM1

Description
Highly efficient aerofoil bladed fan.



Typical applications
Specifically designed for mine ventilation



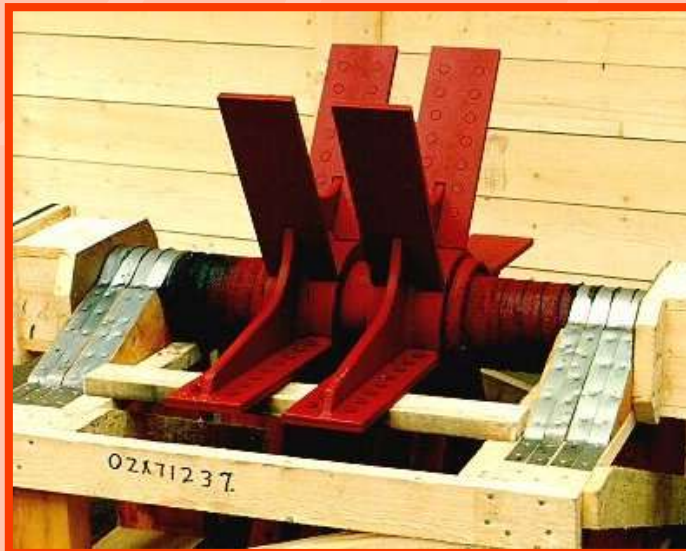
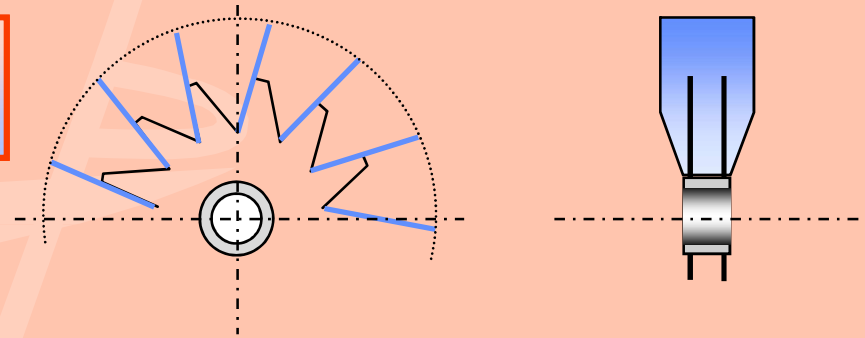
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Howden PB Range

PB10
PB20
PB30
PB40

Description

A range of low stressed, paddle bladed fans.



Typical applications

Applications involving operation at high temperature, or with dust laden gases, eg
Coal mill exhausters
Cement process fans



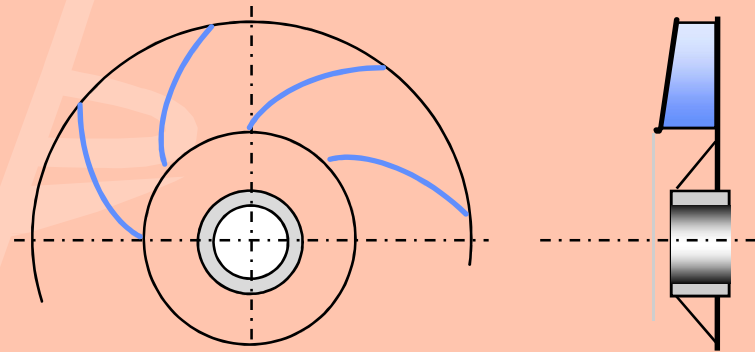
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Howden BB Range

BB24
BB42

Description

A family of backward curved plate bladed impellers .



Typical applications

Primarily designed for cement production processes, eg
Preheater exhaust
Kiln exhaust



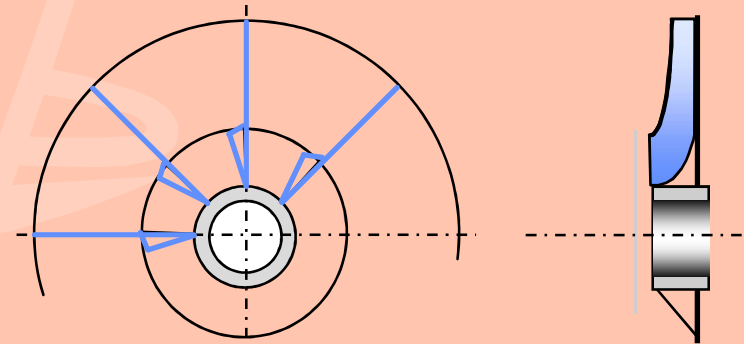
Howden

Howden Rotorique range

SN 0.46
SN 0.5
SN 0.55
SN 0.6

Description

A family of strong impellers with rotating inducer and rotating diffuser.



Typical applications

Applications where heavy cyclic loads are expected eg Fans for Basic Oxygen Steel-making



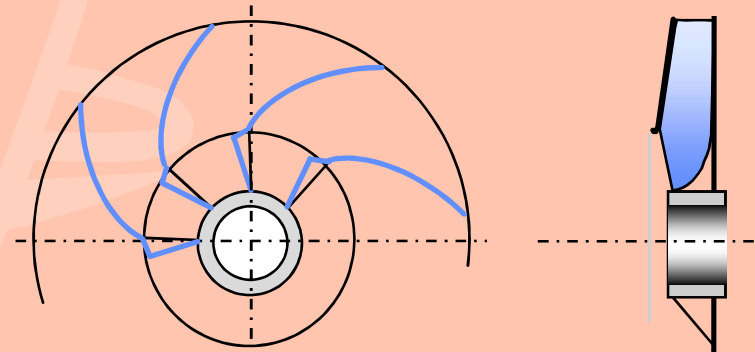
Howden

The Howden LR range

L3RN
L3R
L3RW

Description

A family of backward curved bladed impellers with rotating inducer section.



Typical applications

Applications where high pressures have to be generated eg
Fluidised bed boilers