Product reference: Soundroll 30 and Soundroll 31

DOC REF: SDS104C

Product application: Commercial and Industrial Sound Control

Key Features:

Operating speed:	Average speed of up to 150mm/s
Leaf format:	Single curtain vertical rolling
Support frame:	Heavy duty steel fabricated legs. Standard finish polyester powder coat RAL 3020 – Red. Other standard RAL colours are available.
Canopy:	Full width roller canopy finished to match the support frame
Motor Cover:	Included as standard in the door structure

Technical Data:

Curtain specification:	22mm thick galvanised steel profile complete with asymmetrically arranged acoustic attenuating core
Acoustic performance:	Choice of two cores, one to provide R_w30dB and a dense core to provide R_w31dB – see acoustic profiles overleaf
Fire resistance:	Up to 60 minutes EN 1634-1 (Soundroll 31 only)
U value:	Soundroll 30: 1.85W/m²K / Soundroll 31: 2.91W/m²K
Standard colour:	Natural galvanised steel finish. Polyester powder coat colours are available
Curtain features:	Wind end locked curtain to ensure a wind load category of Class 5 (1250Pa) Low friction lath end inserts to ensure a smooth running operation Roller anti-deflection system to ensure effective seal compression

Controls:

Controller type:	Microprocessor based control system with low voltage controls
Supply:	400V, 3ph, 50Hz, 16A (Class C MCB)
Local controls:	3-way pushbutton station (OPEN ~ STOP ~ CLOSE) to the drive side of the opening
Operation:	Momentary pushbutton to open and maintained pushbutton to close. Option available for full or partial automation
Cabinet:	IP54 ABS controller enclosure
Motor power:	High efficiency drives at up to 2.5kW dependant on door size



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Motor gearbox:	Specifically designed for use on rolling doors with an integrated safety gear with anti-fall device built in
Gearbox features:	Robust low maintenance drive unit with integrated limit switches for accurate positioning. Self-adjusting motor brake
Manual operation:	Low level manual disconnect complete with haul chain for emergency manual operation
Bottom Lath:	With integrated acoustic threshold seal
Standards:	The door complies with the requirements of EN 13241-1

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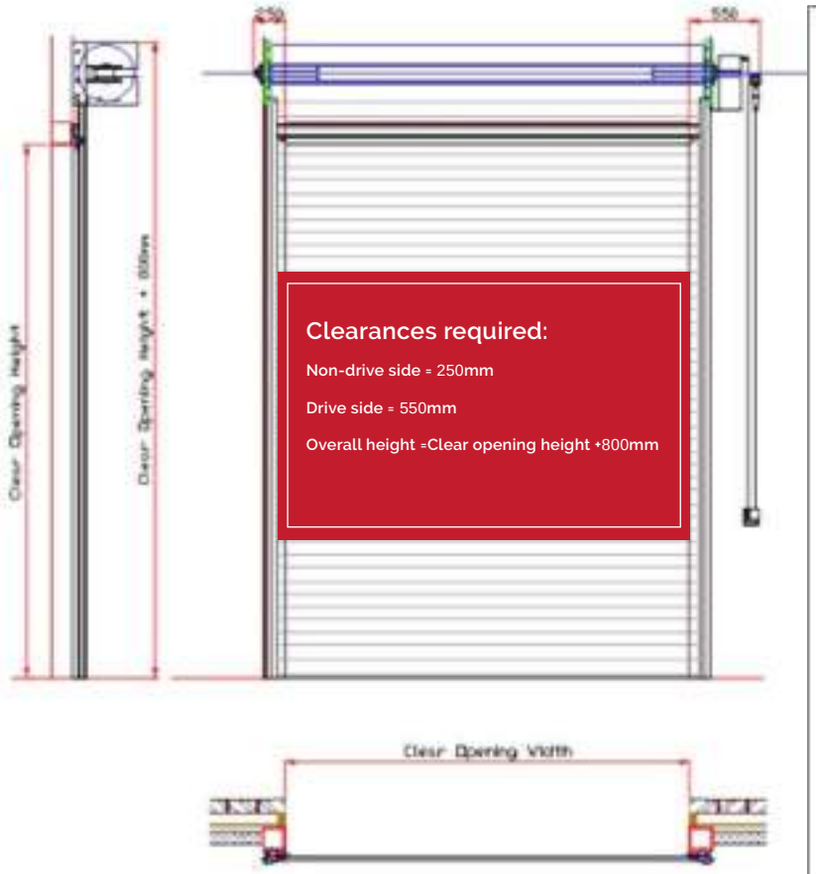
Outline dimensions



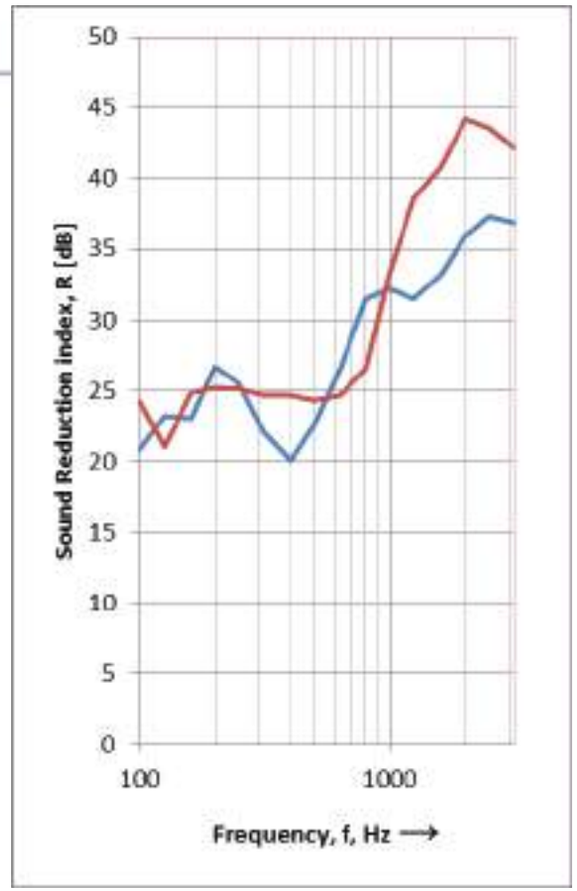
Clearances required:

Non-drive side = 250mm

Drive side = 550mm

Overall height =Clear opening height +800mm

Acoustic performance data



Frequency f [Hz]	R 1/3 Octave [dB]	R 1/3 Octave [dB]
100	20.8	24.2
125	23.2	21
160	23	24.8
200	26.7	25.2
250	25.5	25.1
315	22	24.7
400	20	24.7
500	22.6	24.3
630	26.6	24.7
800	31.5	26.6
1000	32.2	33.3
1250	31.5	38.6
1600	33.2	40.8
2000	35.9	44.2
2500	37.3	43.6
3150	36.8	42.1
R_w	30	31
C	-1	-1
Ctr	-3	-3