

# SR

Comfort Air Curtain



**Biddle**



# A NEW WAVE IN CLIMATE SEPARATION

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SR air curtains are the ideal solution for retailers and other end-users to combat the issue of climate separation across their outlet or office building doorway. The importance of accessibility to attract customers in the retail sector is well-known, but with this free form of access through 'open door' trading, cold draughts and high energy bills are often the consequence.

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The SR technology has been designed to deliver greater comfort for all, whether it's in a supermarket, retail store or office building. The SR air curtain does not act as a barrier in the place of a door, its prime role is to reduce the amount of warm air leaving the building and condition the incoming air to a comfortable temperature. BSRIA and Biddle research produced documented evidence proving that air curtains operate best with specific velocities and air volumes. The SR air curtain satisfies these needs by delivering the right air flow and temperature at the right time automatically, reducing energy loss.

Furthermore, it is the only commercially available air curtain of its kind that now offers a unique air damper system to improve efficiency by controlling the outlet velocity.

Biddle has a great deal of experience in designing optimal climate separation solutions. The first step is to determine the climate requirement of the room, then in consultation with you we seek a suitable climate separation solution. By remote monitoring and intelligent software, Biddle is able to monitor and analyze the doorway and its energy consumption and comfort levels in detail.



# IMPRESSIVE RESULTS

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The impressive results achieved by the SR are made possible thanks to a combination of four technologies. The revolutionary patented i-sense infrared technology collects all temperature-related data in the doorway. CHIPS technology translates this information into the correct setting, while the adaptable discharge width (Controlled Air strength technology) and the patented rectifier technology create the perfect climate separation.

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## INTELLIGENT AUTO-ACTIVE CONTROL AND MONITORING

The auto-active control is the next generation of controls. Knowing that manual control of air curtains often leads to the incorrect setting, the inclusion of the automatic CHIPS (Corrective Heating & Impulse Prediction System) technology ensures the most appropriate setting at any moment in time. The i-sense in the discharge grille measures the indoor and outdoor temperatures active in the door opening, collecting real-time and accurate data. This auto-active control has been demonstrated to produce savings of up to 75% when compared with a manually controlled air curtain. Biddle has an extensive range of control options: the b-touch control panel, remote monitoring of comfort and energy performance and connecting to a BMS, which is easy through the standard integrated Modbus connection.

## FEATURES AND BENEFITS:

- Intelligent control and monitoring remotely
- Modbus integrated as standard
- Ability to capture and collect temperature data
- Stylish and low noise
- Complete customized solution
- Energy efficient and creating a comfortable environment
- Suitable for various heat sources
- Possible to combine with Daikin heat pumps and Biddle **air2air** heat recovery systems

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## VARIOUS HEAT SOURCES

The SR can be supplied to suit many heating mediums with water, electric, Direct Expansion (DX) and ambient models all being available. The DX model is only suitable for use with Daikin VRV and ERQ Heat Pump systems.

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## APPLICATIONS

The SR is designed for door heights from 3.3 m (80" to 130"). Within the retail, commercial and public sector the applications are endless. The SR can be applied above door openings of shopping malls, stores, supermarkets, banks, stations, museums, hotels and hospitals.

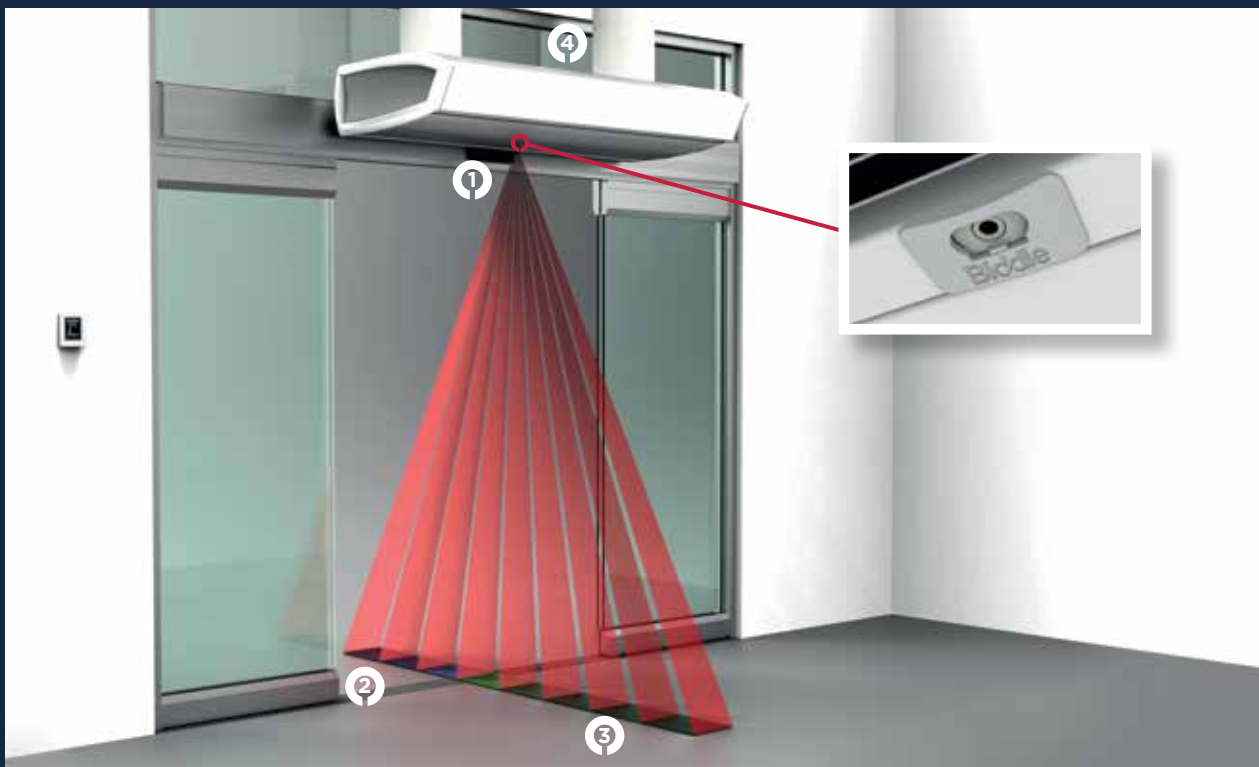
# i-SENSE INFRARED TECHNOLOGY

The patented i-sense infrared technology carefully scans the environment around the doorway collecting information on indoor and outdoor temperatures by measuring the exact temperature at floor level. In addition, the i-sense detects when the door is closed.

Outdoor and room temperatures are frequently used as a basis upon which automatic control settings are established. The temperature data is provided by a sensor located close to the device or attached to the building facade. This mechanism is not always reliable when it comes to measuring the exact climate prevailing in the doorway, resulting in the curtain operating on the basis of incorrect information. The SR however is different, as it is equipped with i-sense technology and the climate in the doorway is measured on an ongoing basis, thereby guaranteeing a comfortable environment as well as maximum energy savings.

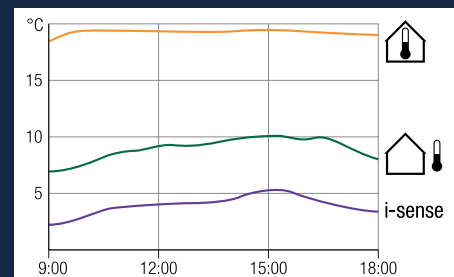
The i-sense **(1)** collects temperatures from several points both from inside and outside the doorway **(2&3)**, while a sensor in the return air measures room temperature **(4)**.

The automated CHIPS technology uses these temperature readings to determine the temperature and strength of the airflow that needs to be delivered, thereby guaranteeing the air curtain's performance. Air curtains that are equipped with auto-active technology are not only more efficient, but they also prevent energy being wasted due to incorrect settings. I-sense also recognizes when a door is closed and adapts automatically to the situation, preventing heat from being produced unnecessarily.



## EXAMPLE OF i-SENSE IMPACT

The graph illustrates how the outdoor and indoor temperatures are measured using i-sense. As demonstrated, the sensor located on the outside of the doorway estimates an outdoor temperature of 9 °C (48°F) (green line) while i-sense sensor in the doorway provides a reading of 4 to 5 °C (39 - 41°F) (purple line). This provides the evidence of accurate readings of climate conditions in the doorway measured by Biddle technology.

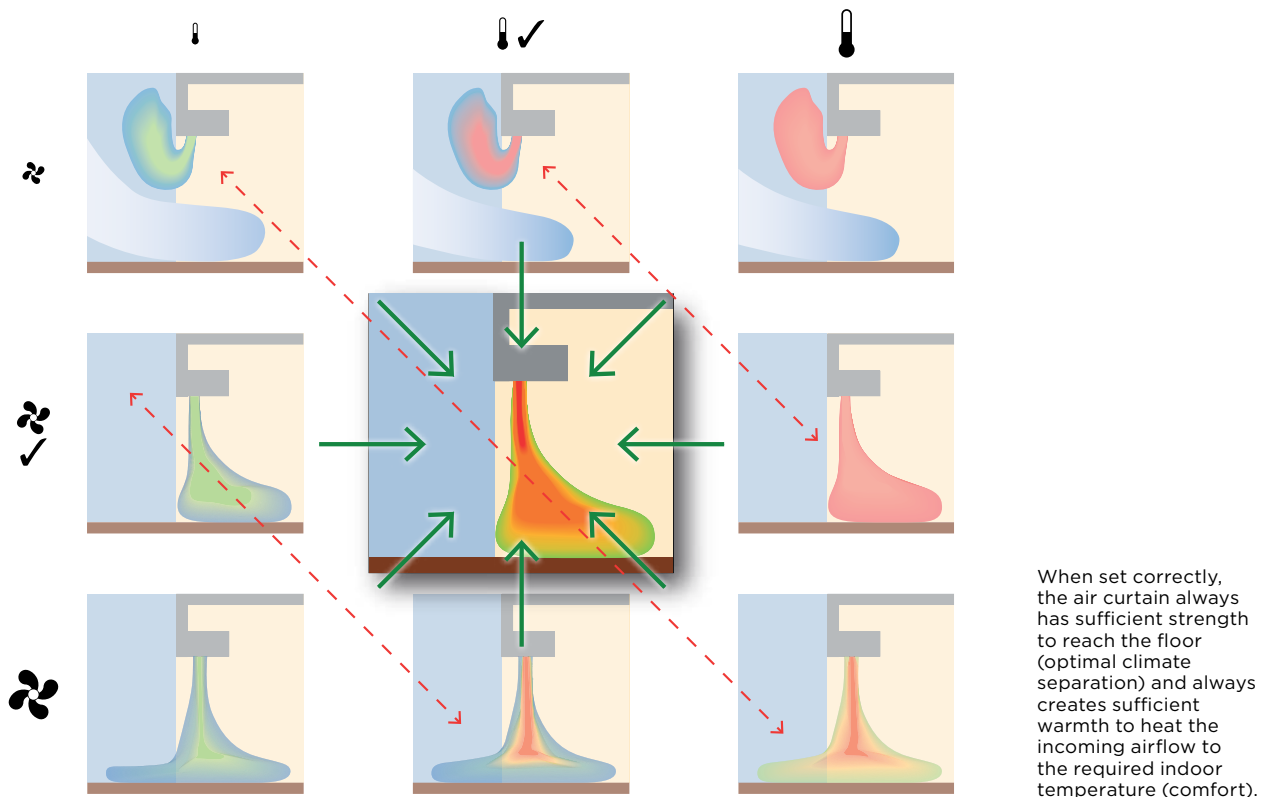


# AUTOMATIC CHIPS TECHNOLOGY

The Automatic CHIPS control strategy continually monitors and adjusts to provide the most effective and efficient operation by varying the strength and heating independently, to the point on the image below where 'sufficient heating' and 'sufficient strength' intersect.

The SR air curtain utilizes CHIPS technology to automatically adjust discharge velocity, air volume, discharge temperature and heat output. Outside, return air and discharge temperature sensors are used to determine how much heat is required and the bespoke control algorithm 'translates' the data into the strength (a combination of air volume and velocity) required for complete climate separation and comfort. Negating the need for the user to continually adjust the air curtain's setting when the inside/outside temperatures and/or weather change.

An air curtain with traditional control has heat and fan speed linked to one another. When the fan speed increases heat output will also increase, whether or not it's necessary, leading to a less effective and less efficient air curtain. The CHIPS control strategy continually monitors and adjusts air volume, air velocity, discharge temperature and heat output independently of each other so that the point on the image where 'Sufficient Heating' and 'Sufficient Strength' intersect.



## CONVENTIONAL AIR CURTAINS

With a convectional air curtain, both the heat and speed are usually linked to one another and when the fan speed increases, then it is probable that the heating also increases, resulting in a less effective or efficient air curtain. In contrast, Biddle's auto-active control treats both of these separately, ensuring conditions are always ideal and a maximum amount of energy is saved.



## RECTIFIER AND CONTROLLED AIR STRENGTH TECHNOLOGY

In order to achieve efficient climate separation, Biddle has created two separate technologies.

The patented rectifier ensures that the turbulent air from the fans is transformed into a virtually laminar air stream. The air stream reaches the floor with much less air speed than it would in a rectifier-free air curtain, while ensuring the discharge air stream stays within the building.

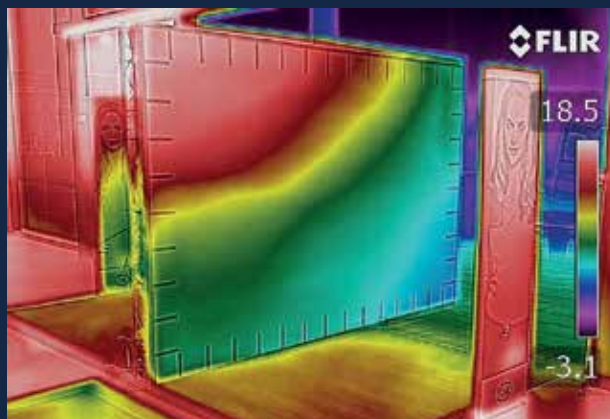
Controlled Air strength technology, on the other hand, ensures that the air stream reaches the floor containing the right volume of air, by calibrating air speed and outlet width.

At lower speeds (and hence lower air volumes) the damper partially opens to create a greater

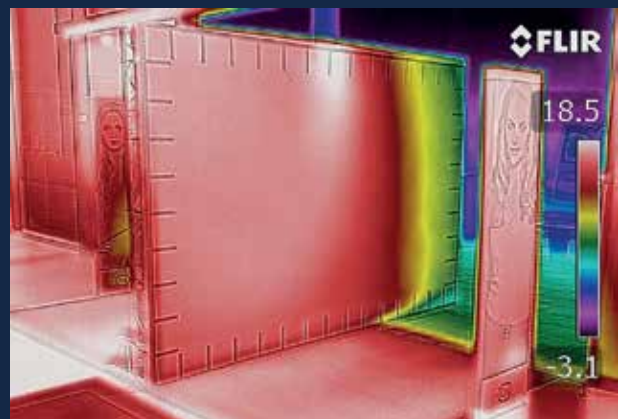
'impulse' to the air stream, providing a more energy efficient air curtain. At higher speeds the damper opens to adjust the outlet velocity to deal with more demanding situations.

In partnership with the TNO wind facility at Apeldoorn in the Netherlands, it is proved that combining these two technologies yields an 80% climate separation efficiency rate.

The thermographic images illustrated below show the temperature differences between the conditions prevailing outside and inside a doorway create air exchanges: warm air flows outwards, cold air flows inwards. This leads to both energy losses and a drafty indoor climate. The auto-active SR technology ensures energy-efficient climate separation.



Air curtain off: significant air exchange



Air curtain on: optimal climate separation



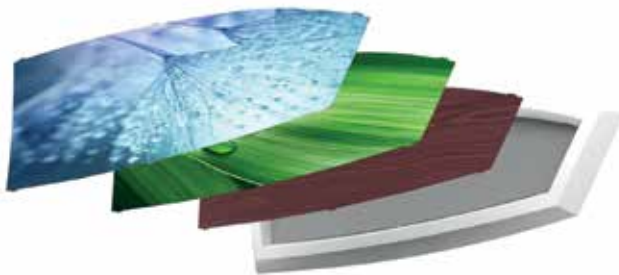
# SELECTION AND OPTIONS

The SR creates optimum climate separation in all doorways and is also suitable for a range of heating sources. There is a solution available for many monitoring and control options.

## EXAMPLE TYPE CODE: SR S-100-H3-F

SR	SR
<b>Capacity</b>	
S	Small 200-240 cm (80"-95")
M	Medium 220-280 cm (85"-110")
L	Large 250-330 cm (100"-130")
<b>Length</b>	
100 - 150 - 200 - 250 cm	
40" - 60" - 80" - 100"	
<b>Coil type</b>	
H3	Hot water heating
E	Electrical heating
DX (DK)	In combination with Daikin systems
A	Ambient (no heating)
<b>Model</b>	
F	Free hanging model
R	Recessed model
C	Cassette model

For the DX version a separate brochure is available.



Customised end panels with styled inlays.

## FOR EVERY DOOR WIDTH

Doors wider than 250cm (100") are covered by placing multiple units next to each other

## CUSTOMER-SPECIFIC STYLING

The inlays in the end panels are supplied in grey and white as standard. The removable inlays in the end panels can also be styled specifically if required (e.g. colour and logo).

## STANDARD COLOURS

Traffic white (RAL 9016) with accent end panels in Silver Grey (RAL 9006)

Silver Grey (RAL 9006)

Other RAL classic colours available on request

## SELECTION CONSIDERATIONS

An air curtain functions correctly when it shields the whole doorway and possesses sufficient heating capacity to warm the incoming cold air. Installation height, door width and the volume of natural ventilation are key when it comes to making the right choice. The table shown below provides relevant indications. The volume of natural ventilation in the building will determine whether the situation is favourable, normal or unfavourable.

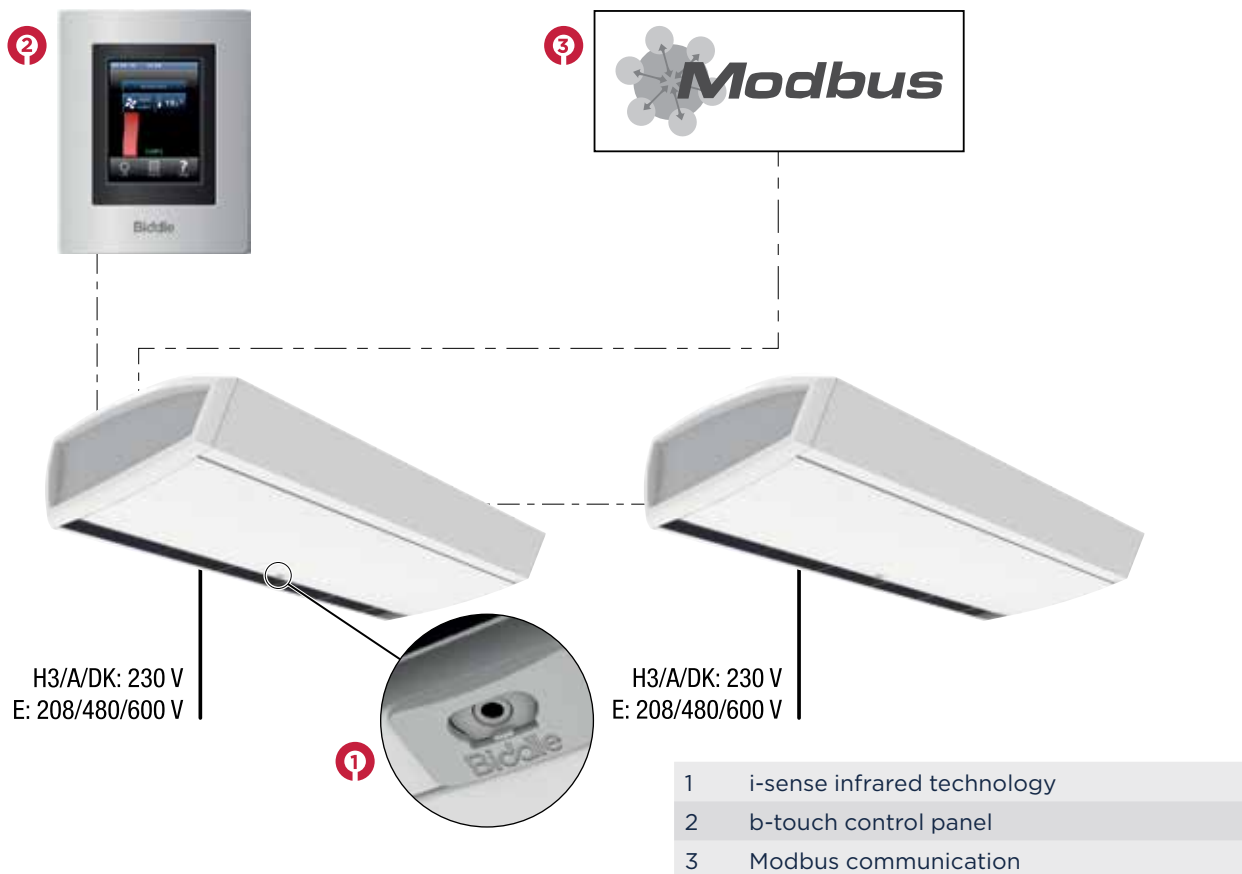
	Situation					
	Favourable		Normal		Unfavourable	
Door height						
Type	cm	in	cm	in	cm	in
S	<240	<95"	<220	<85"	-	-
M	<280	<110"	<250	<100"	<220	<85"
L	<330	<130"	<300	<120"	<280	<110"

# INTELLIGENT CONTROLS

During installation, an air curtain is typically set to operate at a mid-speed setting and rarely adjusted. This results in the air curtain continually operating at a single air volume, velocity and temperature. However, as internal and external conditions constantly vary throughout the day this means the air curtain will only be operating at the optimum setting some of the time and for the rest of the time will be either set too high or too low.

The automatic CHIPS (Corrective Heating & Impulse Prediction System) technology ensures the most appropriate setting at any moment in time. The i-sense in the discharge grille measures the indoor and outdoor temperatures active in the door opening collecting real-time data. This process ensures that the SR is always functioning correctly and yields an ideal, energy-efficient indoor climate without the need for user input.

The auto-active SR device is equipped as standard with the b-touch control panel and i-sense infrared technology. It is also possible to communicate via Modbus, the latter of which is a standard feature on all units.



# B-TOUCH

The b-touch control panel has a simple menu structure making it very easy to select preferred settings, such as room temperature and switching the device on/off. Due to the fact the SR's intelligent software is integrated, once the device is installed, it may also function without the b-touch being connected. The b-touch may then be used as a service panel only.

The b-touch can also be used as a component of a complete climate system. For instance, the Modbus BMS local operations via the b-touch and central management actively functions simultaneously. A single b-touch can be used to control a maximum of 10 units.

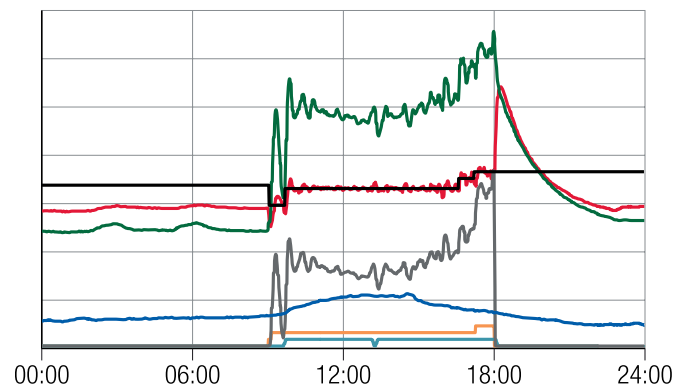


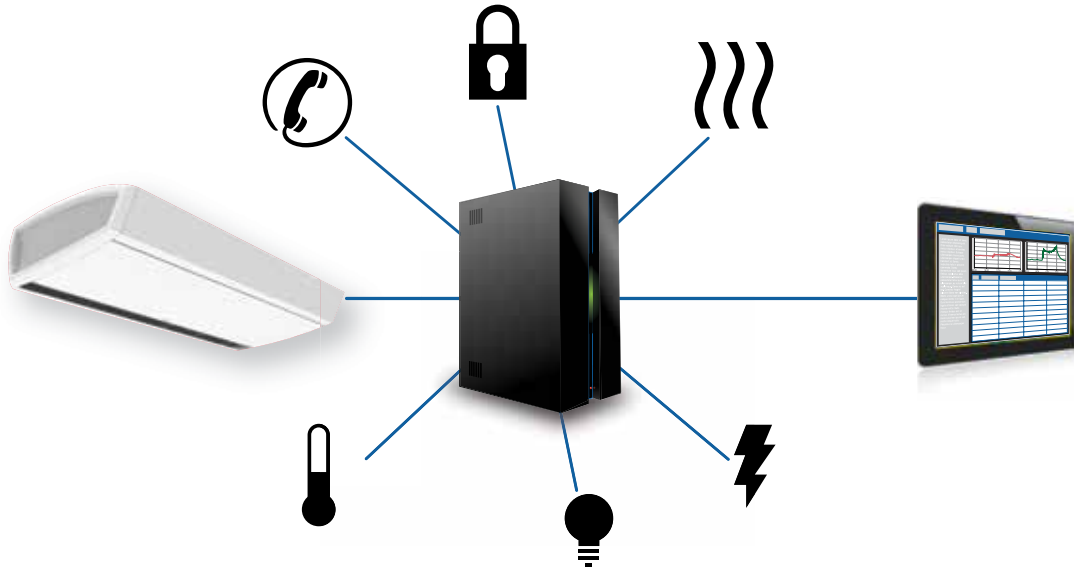
## CONTROL FEATURES:

- Touchscreen control panel
- Analytical tool
- Status screen displaying all settings and current values
- Multilingual navigation menu
- Practical installation wizard to achieve preferred settings on site
- Personalization features
- Manual operation also possible

## ANALYTICS

A USB connector is located on the underside of the b-touch for exporting data usage, importing or exporting adjustments as well as updating new software. The graph, produced from exported data, shows the degree of comfort by comparing the actual (red line) and programmed indoor temperature (black line) from a particular project installation.





## MODBUS COMMUNICATION

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The SR comfort air curtain is easy to connect to a building management system using the standard integrated connection for Modbus communication protocol. Modbus can create communication between several products within the same network.

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A building management system (BMS) is used for the central monitoring, control and communication between the products and controls present within the building. With the Modbus communication protocol all functions of the SR can be monitored and controlled remotely. After installation, interaction with the SR is remotely or locally adjusted in line with the needs of the customer. In this way the SR is continuously monitored and adjusted where necessary to optimize operation.

In the Modbus communication protocol, responsibilities with regard to local and central operation can be set. If required, both the b-touch and Modbus can be used in parallel allowing local and remote control of the air curtain.

The SR air curtain can also be made suitable for Bacnet communication.

# SPECIFICATIONS

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## CASING

The casing is made of zinc plated sheet steel and has an inspection panel in the bottom. The inlet grilles are made of anodized aluminum with fixed fins. The inlet module, end panels as well as the casing are, as a standard, supplied in silver grey (RAL 9006) or traffic white (RAL 9016). The end panels of the white SR have a grey inlay. Other RAL casing colour finishes are available for an additional charge.

## FAN / MOTOR ASSEMBLY

The air curtain is equipped with two or more (depending on type) dual-inlet, vibration free suspended centrifugal fans. Each fan is driven by a rotor motor on bearings, which are seal for life and no maintenance is required. The fan casing and the impeller are made of zinc coated plate steel. The motors, as standard, are fitted with thermal contacts. These thermal contacts break the circuit of the motor when the maximum permissible motor temperature is exceeded.

## HEATING COIL

**Water:** made up of 3/8" (S/M) and 1/2" (L) copper tubes and aluminum fins. The water connections are G1" female thread. The maximum operating pressure is 6 bar at 110°C. Higher pressure levels, up to 10 bar, are available upon request. The permissible pressure difference is with S / M  $\Delta p = 0.5$  bar, and with L  $\Delta p = 1.0$  bar.

**Electric:** made up of electric heating elements with aluminum fins. The exchanger is controlled by the electronic control unit and is fitted with overload protection. When the unit is switched off, the fans will continue to run until the heating coils have cooled off sufficiently.

## CONNECTIONS

To connect hot water and ambient units to the mains supply, they come with a fixed cable (approx. 2m long) with a molded, earthed plug. The pipework connections for water units and the connector plate are fitted on the top of the unit.

The mains cable to electrically heated units must be connected within the unit. The top of the unit has a cable gland for feeding through the mains cable. A 5-core cable (3 phases + earth + neutral) is required for connection.

## STANDARD DELIVERY

Water-side control: 3 way valve and control (water unit)

Modbus communication

Air filters

Ceiling mounting brackets

Duct connections R-model (ducts not included)

## OPTIONAL ACCESSORIES

Filter sensor

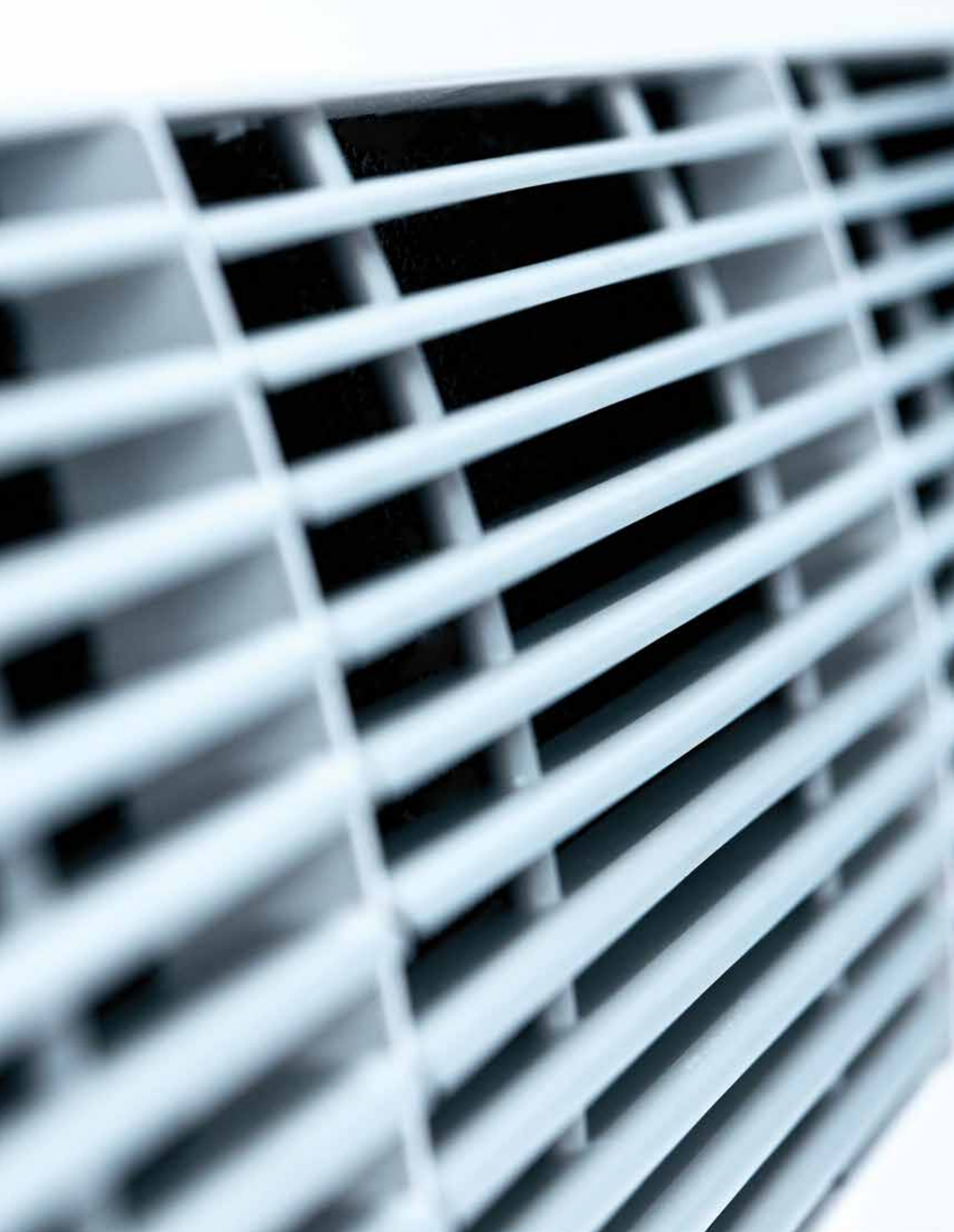
Wall mounting brackets: standard and design

Threaded rod covers

Door contact switch

External outdoor sensor

M8 threaded rods



# SR

Technical Details



# TECHNICAL EXPLANATION

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Because of the auto-active control of the SR comfort air curtain the outlet temperature varies at all speeds, depending on the situation. The SR is equipped with a low water temperature coil for every water temperature from 45/35°C to 90/70°C (113/95°F to 194/158°F).

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## SELECTION BOILER CAPACITY

For the selection of the boiler one can take the heating capacity at speed 6 at a discharge air temperature of 40°C (104°F).

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## MAXIMUM HEATING CAPACITY

For the maximum heating capacity of water and electric units, the heating capacity has been taken at speed 6 with a discharge air temperature of 50°C (122°F).

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## WATER VOLUME

The water volumes for water units are based on a water temperature of 80/60°C (176/140°F), a room temperature of 20°C (68°F) and an discharge air temperature of 40°C (104°F). With different values it is necessary to calculate the water flow rate using the formula below. The formula is also useful to determine the required water volume to achieve the necessary heating capacity or to determine the maximum heating capacity at a certain water volume.

- $m_w$**  = water flow rate [l/h]
- $Q$**  = capacity [kW]
- $C_{pw}$**  = specific heat of water (=4.18) [kJ/kg°C]
- $\Delta T_w$**  = temperature difference water [°C]
- $P_w$**  = density of water at 90°C (=0.984) [kg/l]

$$m_w = \frac{Q}{C_{pw} \Delta T_w \rho_w} 3600 [l/h]$$

## WATER PRESSURE LOSS

If different water temperatures than 80/60°C (176/140°F) are concerned, the water pressure loss can be roughly calculated with the formula below. To do this the water volume flow rate should first be calculated (see left).

- $\Delta P_{w1}$**  = water pressure loss, table values [kPa]
- $\Delta P_{w2}$**  = water pressure loss [kPa]
- $m_{w1}$**  = water flow rate, table values [l/h]
- $m_{w2}$**  = water flow rate calculated using formula [l/h]

$$\Delta p_{w_2} = \Delta p_{w_1} \left( \frac{m_{w_2}}{m_{w_1}} \right)^2 [kPa]$$



# TECHNICAL EXPLANATION

## SOUND

The sound data is based on the direct field, in a situation with an open door and a sound absorbing ceiling. The sound data for different situations can be determined by adding the adjacent values to the table values.

Closed door	+ 1 - 2 dB(A)
Acoustical "hard" ceiling	+ 2 - 3 dB(A)

Deviating distances and several units next to each other can be calculated with the table below. Data from the 1 m (40") unit, measured at a distance of 3 m (120"), is the basic assumption. The factors apply to all types of air curtains.

## CORRECTION FACTORS FOR SOUND PRESSURE IN dB(A)

Distance		Total unit length											
m	in	m	in	m	in	m	in	m	in	m	in	m	in
1	40	1,5	60	2	80	2,5	100	3	120	3,5	140		
1	40	+9,5	+11,3	+12,6	+13,5	+14,3	+15,0						
2	80	+3,5	+5,3	+6,5	+7,5	+8,3	+9,0						
3	120	0	+1,8	+3,0	+4,0	+4,8	+5,4						
4	160	-2,5	-0,7	+0,5	+1,5	+2,3	+2,9						
5	200	-4,4	-2,7	-1,4	-0,5	+0,3	+1,0						

# WATER HEATING - METRIC

## SR S-100-H3-230/22 - SR S-150-H3-230/22

SR S-100-H3-230/22							
Nominal unit length	m	1					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,15					
Max. Fan power	kW	0,26					
Max. Heating capacity	kW	12,2					
Water flow rate	l/h	619					
Water pressure drop with 3-port valve	kPa	3,09					
Water range	°C	80/60					
Weight casing style F / R / C	kg	50/60/58					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	410	590	660	850	1040	1210
Heating capacity	kW	2	2,9	3,3	4,3	5,2	8,1
Sound pressure level at 3m	dB(A)	25	33	36	41	46	50

SR S-150-H3-230/22							
Nominal unit length	m	1,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,73					
Max. Fan power	kW	0,39					
Max. Heating capacity	kW	18,2					
Water flow rate	l/h	982					
Water pressure drop with 3-port valve	kPa	8,88					
Water range	°C	80/60					
Weight casing style F / R / C	kg	71/87/82					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	610	880	990	1280	1550	1820
Heating capacity	kW	3,1	4,4	5	6,4	7,8	12,2
Sound pressure level at 3m	dB(A)	27	35	38	43	48	52

# WATER HEATING - IMPERIAL

## SR S-100-H3-230/22 - SR S-150-H3-230/22

SR S-100-H3-230/22							
Nominal unit length	in	40					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,15					
Max. Fan power	kW	0,26					
Max. Heating capacity	kBTU/h	41					
Water flow rate	USGPH	164					
Water pressure drop with 3-port valve	psi	0,45					
Water range	°F	176/140					
Weight casing style F / R / C	lb	101/132/128					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	240	345	390	500	610	715
Heating capacity	kBTU/h	7	10	11	15	18	28
Sound pressure level at 10ft	dB(A)	25	33	36	41	46	50

SR S-150-H3-230/22							
Nominal unit length	in	60					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,73					
Max. Fan power	kW	0,39					
Max. Heating capacity	kBTU/h	62					
Water flow rate	USGPH	259					
Water pressure drop with 3-port valve	psi	1,29					
Water range	°F	176/140					
Weight casing style F / R / C	lb	144/193/182					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	360	520	585	750	915	1070
Heating capacity	kBTU/h	10	15	17	22	27	41
Sound pressure level at 10ft	dB(A)	27	35	38	43	48	52

# WATER HEATING - METRIC

## SR S-200-H3-230/22 - SR S-250-H3-230/22

SR S-200-H3-230/22							
Nominal unit length	m	2					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,3					
Max. Fan power	kW	0,51					
Max. Heating capacity	kW	24,3					
Water flow rate	l/h	1344					
Water pressure drop with 3-port valve	kPa	18,62					
Water range	°C	80/60					
Weight casing style F / R / C	kg	87/108/102					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	810	1180	1320	1700	2070	2420
Heating capacity	kW	4,1	5,9	6,6	8,6	10,4	16,2
Sound pressure level at 3m	dB(A)	28	36	39	44	49	53

SR S-250-H3-230/22							
Nominal unit length	m	2,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,88					
Max. Fan power	kW	0,64					
Max. Heating capacity	kW	30,4					
Water flow rate	l/h	1707					
Water pressure drop with 3-port valve	kPa	33,07					
Water range	°C	80/60					
Weight casing style F / R / C	kg	112/138/130					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1010	1470	1650	2130	2590	3030
Heating capacity	kW	5,1	7,4	8,3	10,7	13	20,3
Sound pressure level at 3m	dB(A)	29	37	40	45	50	54

# WATER HEATING - IMPERIAL

## SR S-200-H3-230/22 - SR S-250-H3-230/22

SR S-200-H3-230/22							
Nominal unit length	in	80					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,3					
Max. Fan power	kW	0,51					
Max. Heating capacity	kBTU/h	83					
Water flow rate	USGPH	355					
Water pressure drop with 3-port valve	psi	2,7					
Water range	°F	176/140					
Weight casing style F / R / C	lb	174/238/225					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	480	690	780	1005	1220	1425
Heating capacity	kBTU/h	14	20	23	29	35	55
Sound pressure level at 10ft	dB(A)	28	36	39	44	49	53

SR S-250-H3-230/22							
Nominal unit length	in	100					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,88					
Max. Fan power	kW	0,64					
Max. Heating capacity	kBTU/h	104					
Water flow rate	USGPH	451					
Water pressure drop with 3-port valve	psi	4,8					
Water range	°F	176/140					
Weight casing style F / R / C	lb	224/303/286					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	595	865	975	1255	1525	1785
Heating capacity	kBTU/h	17	25	28	36	44	69
Sound pressure level at 10ft	dB(A)	29	37	40	45	50	54

# WATER HEATING - METRIC

## SR M-100-H3-230/22 - SR M-150-H3-230/22

SR M-100-H3-230/22							
Nominal unit length	m	1					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,53					
Max. Fan power	kW	0,31					
Max. Heating capacity	kW	16,8					
Water flow rate	l/h	769					
Water pressure drop with 3-port valve	kPa	4,68					
Water range	°C	80/60					
Weight casing style F / R / C	kg	56/66/64					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	450	630	750	1040	1250	1680
Heating capacity	kW	2,3	3,2	3,8	5,2	6,3	11,2
Sound pressure level at 3m	dB(A)	23	31	35	42	48	52

SR M-150-H3-230/22							
Nominal unit length	m	1,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,29					
Max. Fan power	kW	0,47					
Max. Heating capacity	kW	25,3					
Water flow rate	l/h	1226					
Water pressure drop with 3-port valve	kPa	13,53					
Water range	°C	80/60					
Weight casing style F / R / C	kg	80/96/91					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	680	950	1130	1560	1880	2520
Heating capacity	kW	3,4	4,7	5,6	7,8	9,4	16,8
Sound pressure level at 3m	dB(A)	24	33	36	44	49	54

# WATER HEATING - IMPERIAL

## SR M-100-H3-230/22 - SR M-150-H3-230/22

SR M-100-H3-230/22							
Nominal unit length	in	40					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,53					
Max. Fan power	kW	0,31					
Max. Heating capacity	kBTU/h	57					
Water flow rate	USGPH	203					
Water pressure drop with 3-port valve	psi	0,68					
Water range	°F	176/140					
Weight casing style F / R / C	lb	115/146/141					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	265	370	440	615	735	990
Heating capacity	kBTU/h	8	11	13	18	21	38
Sound pressure level at 10ft	dB(A)	23	31	35	42	48	52

SR M-150-H3-230/22							
Nominal unit length	in	60					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,29					
Max. Fan power	kW	0,47					
Max. Heating capacity	kBTU/h	86					
Water flow rate	USGPH	324					
Water pressure drop with 3-port valve	psi	1,96					
Water range	°F	176/140					
Weight casing style F / R / C	lb	162/211/200					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	395	555	665	920	1105	1480
Heating capacity	kBTU/h	12	16	19	27	32	57
Sound pressure level at 10ft	dB(A)	24	33	36	44	49	54

# WATER HEATING - METRIC

## SR M-200-H3-230/22 - SR M-250-H3-230/22

SR M-200-H3-230/22							
Nominal unit length	m	2					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,06					
Max. Fan power	kW	0,63					
Max. Heating capacity	kW	33,7					
Water flow rate	l/h	1682					
Water pressure drop with 3-port valve	kPa	28,44					
Water range	°C	80/60					
Weight casing style F / R / C	kg	100/121/115					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	900	1260	1500	2080	2500	3360
Heating capacity	kW	4,5	6,3	7,5	10,5	12,5	22,4
Sound pressure level at 3m	dB(A)	26	34	38	45	51	55

SR M-250-H3-230/22							
Nominal unit length	m	2,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,82					
Max. Fan power	kW	0,78					
Max. Heating capacity	kW	42,1					
Water flow rate	l/h	2139					
Water pressure drop with 3-port valve	kPa	50,56					
Water range	°C	80/60					
Weight casing style F / R / C	kg	124/150/142					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1130	1580	1880	2610	3130	4190
Heating capacity	kW	5,6	7,9	9,4	13,1	15,7	28,1
Sound pressure level at 3m	dB(A)	27	35	39	46	52	56



# WATER HEATING - IMPERIAL

## SR M-200-H3-230/22 - SR M-250-H3-230/22

SR M-200-H3-230/22							
Nominal unit length	in	80					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,06					
Max. Fan power	kW	0,63					
Max. Heating capacity	kBTU/h	115					
Water flow rate	USGPH	444					
Water pressure drop with 3-port valve	psi	4,12					
Water range	°F	176/140					
Weight casing style F / R / C	lb	203/267/254					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	530	740	885	1225	1470	1975
Heating capacity	kBTU/h	15	22	26	36	43	77
Sound pressure level at 10ft	dB(A)	26	34	38	45	51	55

SR M-250-H3-230/22							
Nominal unit length	in	100					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,82					
Max. Fan power	kW	0,78					
Max. Heating capacity	kBTU/h	144					
Water flow rate	USGPH	565					
Water pressure drop with 3-port valve	psi	7,33					
Water range	°F	176/140					
Weight casing style F / R / C	lb	251/330/313					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	660	925	1105	1535	1840	2470
Heating capacity	kBTU/h	19	27	32	45	54	96
Sound pressure level at 10ft	dB(A)	27	35	39	46	52	56

# WATER HEATING - METRIC

## SR L-100-H3-230/22 - SR L-150-H3-230/22

SR L-100-H3-230/22							
Nominal unit length	m	1					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,1					
Max. Fan power	kW	0,58					
Max. Heating capacity	kW	31,8					
Water flow rate	l/h	1334					
Water pressure drop with 3-port valve	kPa	5,43					
Water range	°C	80/60					
Weight casing style F / R / C	kg	69/82/80					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	940	1370	1630	2180	2680	3170
Heating capacity	kW	4,7	6,9	8,2	10,9	13,4	21,2
Sound pressure level at 3m	dB(A)	31	39	42	48	53	56

SR L-150-H3-230/22							
Nominal unit length	m	1,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	4,64					
Max. Fan power	kW	0,87					
Max. Heating capacity	kW	47,7					
Water flow rate	l/h	2200					
Water pressure drop with 3-port valve	kPa	17,19					
Water range	°C	80/60					
Weight casing style F / R / C	kg	103/121/118					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1420	2060	2450	3270	4020	4760
Heating capacity	kW	7,1	10,3	12,3	16,4	20,1	31,8
Sound pressure level at 3m	dB(A)	33	41	44	49	54	58

# WATER HEATING - IMPERIAL

## SR L-100-H3-230/22 - SR L-150-H3-230/22

SR L-100-H3-230/22							
Nominal unit length	in	40					
Door height	in	100-130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,1					
Max. Fan power	kW	0,58					
Max. Heating capacity	kBTU/h	109					
Water flow rate	USGPH	352					
Water pressure drop with 3-port valve	psi	0,79					
Water range	°F	176/140					
Weight casing style F / R / C	lb	141/181/177					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	555	805	960	1280	1575	1865
Heating capacity	kBTU/h	16	23	28	37	46	72
Sound pressure level at 10f	dB(A)	31	39	42	48	53	56

SR L-150-H3-230/22							
Nominal unit length	in	60					
Door height	in	100-130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	4,64					
Max. Fan power	kW	0,87					
Max. Heating capacity	kBTU/h	163					
Water flow rate	USGPH	581					
Water pressure drop with 3-port valve	psi	2,49					
Water range	°F	176/140					
Weight casing style F / R / C	lb	211/266/260					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	835	1210	1445	1920	2365	2800
Heating capacity	kBTU/h	24	35	42	56	69	109
Sound pressure level at 10f	dB(A)	33	41	44	49	54	58

# WATER HEATING - METRIC

## SR L-200-H3-230/22 - SR L-250-H3-230/22

SR L-200-H3-230/22							
Nominal unit length	m	2					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	6,19					
Max. Fan power	kW	1,16					
Max. Heating capacity	kW	63,6					
Water flow rate	l/h	3068					
Water pressure drop with 3-port valve	kPa	37,89					
Water range	°C	80/60					
Weight casing style F / R / C	kg	130/155/151					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1890	2740	3270	4350	5350	6340
Heating capacity	kW	9,5	13,8	16,4	21,8	26,9	42,4
Sound pressure level at 3m	dB(A)	34	42	45	51	56	59

SR L-250-H3-230/22							
Nominal unit length	m	2,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	7,74					
Max. Fan power	kW	1,45					
Max. Heating capacity	kW	79,5					
Water flow rate	l/h	3662					
Water pressure drop with 3-port valve	kPa	25,63					
Water range	°C	80/60					
Weight casing style F / R / C	kg	165/197/191					
Air inlet temperature	°C				20		
Discharge air temperature	°C			35			40
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	2360	3430	4090	5440	6690	7930
Heating capacity	kW	11,8	17,2	20,5	27,3	33,6	53
Sound pressure level at 3m	dB(A)	35	43	46	52	57	60

# WATER HEATING - IMPERIAL

## SR L-200-H3-230/22 - SR L-250-H3-230/22

SR L-200-H3-230/22							
Nominal unit length	in	80					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	6,19					
Max. Fan power	kW	1,16					
Max. Heating capacity	kBTU/h	217					
Water flow rate	USGPH	810					
Water pressure drop with 3-port valve	psi	5,49					
Water range	°F	176/140					
Weight casing style F / R / C	lb	268/343/334					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	1110	1615	1925	2565	3150	3730
Heating capacity	kBTU/h	32	47	56	75	92	145
Sound pressure level at 10f	dB(A)	34	42	45	51	56	59

SR L-250-H3-230/22							
Nominal unit length	in	100					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	7,74					
Max. Fan power	kW	1,45					
Max. Heating capacity	kBTU/h	271					
Water flow rate	USGPH	967					
Water pressure drop with 3-port valve	psi	3,72					
Water range	°F	176/140					
Weight casing style F / R / C	lb	340/435/421					
Air inlet temperature	°F				68		
Discharge air temperature	°F			95			104
Speed		1	2	3	4	5	6
Air volume	cfm	1390	2015	2405	3205	3940	4665
Heating capacity	kBTU/h	40	59	70	93	115	181
Sound pressure level at 10f	dB(A)	35	43	46	52	57	60

# ELECTRICAL HEATING - METRIC

SR S-100-E-208/32 - SR S-100-E-480/32 - SR S-100-E-600/32

SR S-100-E-208/32							
Nominal unit length	m	1					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	30,9					
Max. Fan power	kW	0,26					
Max. Power consumption, heating	kW	10,5					
Max. Heating capacity	kW	10					
Weight casing style F / R / C	kg	55/65/63					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	410	590	660	850	1040	1210
Heating capacity	kW	2	2,9	3,3	4,3	5,2	6,1
Sound pressure level at 3m	dB(A)	25	33	36	41	46	50

SR S-100-E-480/32							
Nominal unit length	m	1					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	13,4					
Max. Fan power	kW	0,26					
Max. Power consumption, heating	kW	10,5					
Max. Heating capacity	kW	10					
Weight casing style F / R / C	kg	55/65/63					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	410	590	660	850	1040	1210
Heating capacity	kW	2	2,9	3,3	4,3	5,2	6,1
Sound pressure level at 3m	dB(A)	25	33	36	41	46	50

SR S-100-E-600/32							
Nominal unit length	m	1					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	10,7					
Max. Fan power	kW	0,26					
Max. Power consumption, heating	kW	10,5					
Max. Heating capacity	kW	10					
Weight casing style F / R / C	kg	55/65/63					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	410	590	660	850	1040	1210
Heating capacity	kW	2	2,9	3,3	4,3	5,2	6,1
Sound pressure level at 3m	dB(A)	25	33	36	41	46	50

# ELECTRICAL HEATING - IMPERIAL

SR S-100-E-208/32 - SR S-100-E-480/32 - SR S-100-E-600/32

SR S-100-E-208/32							
Nominal unit length	in	40					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	30,9					
Max. Fan power	kW	0,26					
Max. Power consumption, heating	kW	10,5					
Max. Heating capacity	kBTU/h	34					
Weight casing style F / R / C	lb	121/143/139					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	240	345	390	500	610	715
Heating capacity	kBTU/h	7	10	11	15	18	21
Sound pressure level at 10ft	dB(A)	25	33	36	41	46	50

SR S-100-E-480/32							
Nominal unit length	in	40					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	13,4					
Max. Fan power	kW	0,26					
Max. Power consumption, heating	kW	10,5					
Max. Heating capacity	kBTU/h	34					
Weight casing style F / R / C	lb	121/143/139					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	240	345	390	500	610	715
Heating capacity	kBTU/h	7	10	11	15	18	21
Sound pressure level at 10ft	dB(A)	25	33	36	41	46	50

SR S-100-E-600/32							
Nominal unit length	in	40					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	10,7					
Max. Fan power	kW	0,26					
Max. Power consumption, heating	kW	10,5					
Max. Heating capacity	kBTU/h	34					
Weight casing style F / R / C	lb	121/143/139					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	240	345	390	500	610	715
Heating capacity	kBTU/h	7	10	11	15	18	21
Sound pressure level at 10ft	dB(A)	25	33	36	41	46	50

# ELECTRICAL HEATING - METRIC

SR S-150-E-208/32 - SR S-150-E-480/32 - SR S-150-E-600/32

SR S-150-E-208/32							
Nominal unit length	m	1,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	45,7					
Max. Fan power	kW	0,39					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kW	14,8					
Weight casing style F / R / C	kg	76/92/87					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	610	880	990	1280	1550	1820
Heating capacity	kW	3,1	4,4	5	6,4	7,8	9,1
Sound pressure level at 3m	dB(A)	27	35	38	43	48	52

SR S-150-E-480/32							
Nominal unit length	m	1,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	19,8					
Max. Fan power	kW	0,39					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kW	14,8					
Weight casing style F / R / C	kg	76/92/87					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	610	880	990	1280	1550	1820
Heating capacity	kW	3,1	4,4	5	6,4	7,8	9,1
Sound pressure level at 3m	dB(A)	27	35	38	43	48	52

SR S-150-E-600/32							
Nominal unit length	m	1,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	15,8					
Max. Fan power	kW	0,39					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kW	14,8					
Weight casing style F / R / C	kg	76/92/87					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	610	880	990	1280	1550	1820
Heating capacity	kW	3,1	4,4	5	6,4	7,8	9,1
Sound pressure level at 3m	dB(A)	27	35	38	43	48	52



# ELECTRICAL HEATING - IMPERIAL

SR S-150-E-208/32 - SR S-150-E-480/32 - SR S-150-E-600/32

SR S-150-E-208/32							
Nominal unit length	in	60					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	45,7					
Max. Fan power	kW	0,39					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kBTU/h	51					
Weight casing style F / R / C	lb	168/203/192					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	360	520	585	750	915	1070
Heating capacity	kBTU/h	10	15	17	22	27	31
Sound pressure level at 10ft	dB(A)	27	35	38	43	48	52

SR S-150-E-480/32							
Nominal unit length	in	60					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	19,8					
Max. Fan power	kW	0,39					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kBTU/h	51					
Weight casing style F / R / C	lb	168/203/192					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	360	520	585	750	915	1070
Heating capacity	kBTU/h	10	15	17	22	27	31
Sound pressure level at 10ft	dB(A)	27	35	38	43	48	52

SR S-150-E-600/32							
Nominal unit length	in	60					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	15,8					
Max. Fan power	kW	0,39					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kBTU/h	51					
Weight casing style F / R / C	lb	168/203/192					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	360	520	585	750	915	1070
Heating capacity	kBTU/h	10	15	17	22	27	31
Sound pressure level at 10ft	dB(A)	27	35	38	43	48	52

# ELECTRICAL HEATING - METRIC

SR S-200-E-208/32 - SR S-200-E-480/32 - SR S-200-E-600/32

SR S-200-E-208/32							
Nominal unit length	m	2					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	49					
Max. Fan power	kW	0,51					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kW	13,3					
Weight casing style F / R / C	kg	97/118/112					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	810	1180	1320	1700	2070	2420
Heating capacity	kW	4,1	5,9	6,6	8,6	10,4	12,2
Sound pressure level at 3m	dB(A)	28	36	39	44	49	53

SR S-200-E-480/32							
Nominal unit length	m	2					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	26,6					
Max. Fan power	kW	0,51					
Max. Power consumption, heating	kW	21					
Max. Heating capacity	kW	20					
Weight casing style F / R / C	kg	97/118/112					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	810	1180	1320	1700	2070	2420
Heating capacity	kW	4,1	5,9	6,6	8,6	10,4	12,2
Sound pressure level at 3m	dB(A)	28	36	39	44	49	53

SR S-200-E-600/32							
Nominal unit length	m	2					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	21,3					
Max. Fan power	kW	0,51					
Max. Power consumption, heating	kW	21					
Max. Heating capacity	kW	20					
Weight casing style F / R / C	kg	97/118/112					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	810	1180	1320	1700	2070	2420
Heating capacity	kW	4,1	5,9	6,6	8,6	10,4	12,2
Sound pressure level at 3m	dB(A)	28	36	39	44	49	53

# ELECTRICAL HEATING - IMPERIAL

SR S-200-E-208/32 - SR S-200-E-480/32 - SR S-200-E-600/32

SR S-200-E-208/32							
Nominal unit length	in	80					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	49					
Max. Fan power	kW	0,51					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kBTU/h	45					
Weight casing style F / R / C	lb	214/260/247					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	480	690	780	1005	1220	1425
Heating capacity	kBTU/h	14	20	23	29	35	41
Sound pressure level at 10ft	dB(A)	28	36	39	44	49	53

SR S-200-E-480/32							
Nominal unit length	in	80					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	26,6					
Max. Fan power	kW	0,51					
Max. Power consumption, heating	kW	21					
Max. Heating capacity	kBTU/h	68					
Weight casing style F / R / C	lb	214/260/247					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	480	690	780	1005	1220	1425
Heating capacity	kBTU/h	14	20	23	29	35	41
Sound pressure level at 10ft	dB(A)	28	36	39	44	49	53

SR S-200-E-600/32							
Nominal unit length	in	80					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	21,3					
Max. Fan power	kW	0,51					
Max. Power consumption, heating	kW	21					
Max. Heating capacity	kBTU/h	68					
Weight casing style F / R / C	lb	214/260/247					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	480	690	780	1005	1220	1425
Heating capacity	kBTU/h	14	20	23	29	35	41
Sound pressure level at 10ft	dB(A)	28	36	39	44	49	53

# ELECTRICAL HEATING - METRIC

## SR S-250-E-480/32 - SR S-250-E-600/32

SR S-250-E-480/32							
Nominal unit length	m	2,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	33					
Max. Fan power	kW	0,64					
Max. Power consumption, heating	kW	26,1					
Max. Heating capacity	kW	24,8					
Weight casing style F / R / C	kg	118/144/136					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1010	1470	1650	2130	2590	3030
Heating capacity	kW	5,1	7,4	8,3	10,7	13	15,2
Sound pressure level at 3m	dB(A)	29	37	40	45	50	54

SR S-250-E-600/32							
Nominal unit length	m	2,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	26,4					
Max. Fan power	kW	0,64					
Max. Power consumption, heating	kW	26,1					
Max. Heating capacity	kW	24,8					
Weight casing style F / R / C	kg	118/144/136					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1010	1470	1650	2130	2590	3030
Heating capacity	kW	5,1	7,4	8,3	10,7	13	15,2
Sound pressure level at 3m	dB(A)	29	37	40	45	50	54

# ELECTRICAL HEATING - IMPERIAL

## SR S-250-E-480/32 - SR S-250-E-600/32

SR S-250-E-480/32							
Nominal unit length	in	100					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	33					
Max. Fan power	kW	0,64					
Max. Power consumption, heating	kW	26,1					
Max. Heating capacity	kBTU/h	85					
Weight casing style F / R / C	lb	260/317/300					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	595	865	975	1255	1525	1785
Heating capacity	kBTU/h	17	25	28	36	44	52
Sound pressure level at 10ft	dB(A)	29	37	40	45	50	54

SR S-250-E-600/32							
Nominal unit length	in	100					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	26,4					
Max. Fan power	kW	0,64					
Max. Power consumption, heating	kW	26,1					
Max. Heating capacity	kBTU/h	85					
Weight casing style F / R / C	lb	260/317/300					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	595	865	975	1255	1525	1785
Heating capacity	kBTU/h	17	25	28	36	44	52
Sound pressure level at 10ft	dB(A)	29	37	40	45	50	54

# ELECTRICAL HEATING - METRIC

SR M-100-E-208/32 - SR M-100-E-480/32 - SR M-100-E-600/32

SR M-100-E-208/32							
Nominal unit length	m	1					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	43,7					
Max. Fan power	kW	0,31					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kW	13,3					
Weight casing style F / R / C	kg	59/69/67					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	450	630	750	1040	1250	1680
Heating capacity	kW	2,3	3,2	3,8	5,2	6,3	8,4
Sound pressure level at 3m	dB(A)	23	31	35	42	48	52

SR M-100-E-480/32							
Nominal unit length	m	1					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	18,9					
Max. Fan power	kW	0,31					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kW	13,3					
Weight casing style F / R / C	kg	59/69/67					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	450	630	750	1040	1250	1680
Heating capacity	kW	2,3	3,2	3,8	5,2	6,3	8,4
Sound pressure level at 3m	dB(A)	23	31	35	42	48	52

SR M-100-E-600/32							
Nominal unit length	m	1					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	15,2					
Max. Fan power	kW	0,31					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kW	13,3					
Weight casing style F / R / C	kg	59/69/67					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	450	630	750	1040	1250	1680
Heating capacity	kW	2,3	3,2	3,8	5,2	6,3	8,4
Sound pressure level at 3m	dB(A)	23	31	35	42	48	52

# ELECTRICAL HEATING - IMPERIAL

SR M-100-E-208/32 - SR M-100-E-480/32 - SR M-100-E-600/32

SR M-100-E-208/32							
Nominal unit length	in	40					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	43,7					
Max. Fan power	kW	0,31					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kBTU/h	45					
Weight casing style F / R / C	lb	130/152/148					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	265	370	440	615	735	990
Heating capacity	kBTU/h	8	11	13	18	21	29
Sound pressure level at 10ft	dB(A)	23	31	35	42	48	52

SR M-100-E-480/32							
Nominal unit length	in	40					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	18,9					
Max. Fan power	kW	0,31					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kBTU/h	45					
Weight casing style F / R / C	lb	130/152/148					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	265	370	440	615	735	990
Heating capacity	kBTU/h	8	11	13	18	21	29
Sound pressure level at 10ft	dB(A)	23	31	35	42	48	52

SR M-100-E-600/32							
Nominal unit length	in	40					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	15,2					
Max. Fan power	kW	0,31					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kBTU/h	45					
Weight casing style F / R / C	lb	130/152/148					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	265	370	440	615	735	990
Heating capacity	kBTU/h	8	11	13	18	21	29
Sound pressure level at 10ft	dB(A)	23	31	35	42	48	52

# ELECTRICAL HEATING - METRIC

SR M-150-E-208/32 - SR M-150-E-480/32 - SR M-150-E-600/32

SR M-150-E-208/32							
Nominal unit length	m	1,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	46,3					
Max. Fan power	kW	0,47					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kW	14,8					
Weight casing style F / R / C	kg	85/101/96					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	680	950	1130	1560	1880	2520
Heating capacity	kW	3,4	4,7	5,6	7,8	9,4	12,6
Sound pressure level at 3m	dB(A)	24	33	36	44	49	54

SR M-150-E-480/32							
Nominal unit length	m	1,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	28,1					
Max. Fan power	kW	0,47					
Max. Power consumption, heating	kW	20,8					
Max. Heating capacity	kW	19,8					
Weight casing style F / R / C	kg	85/101/96					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	680	950	1130	1560	1880	2520
Heating capacity	kW	3,4	4,7	5,6	7,8	9,4	12,6
Sound pressure level at 3m	dB(A)	24	33	36	44	49	54

SR M-150-E-600/32							
Nominal unit length	m	1,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	22,5					
Max. Fan power	kW	0,47					
Max. Power consumption, heating	kW	20,8					
Max. Heating capacity	kW	19,8					
Weight casing style F / R / C	kg	85/101/96					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	680	950	1130	1560	1880	2520
Heating capacity	kW	3,4	4,7	5,6	7,8	9,4	12,6
Sound pressure level at 3m	dB(A)	24	33	36	44	49	54



# ELECTRICAL HEATING - IMPERIAL

SR M-150-E-208/32 - SR M-150-E-480/32 - SR M-150-E-600/32

SR M-150-E-208/32							
Nominal unit length	in	60					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	46,3					
Max. Fan power	kW	0,47					
Max. Power consumption, heating	kW	15,6					
Max. Heating capacity	kBTU/h	51					
Weight casing style F / R / C	lb	188/223/212					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	395	555	665	920	1105	1480
Heating capacity	kBTU/h	12	16	19	27	32	43
Sound pressure level at 10ft	dB(A)	24	33	36	44	49	54

SR M-150-E-480/32							
Nominal unit length	in	60					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	28,1					
Max. Fan power	kW	0,47					
Max. Power consumption, heating	kW	20,8					
Max. Heating capacity	kBTU/h	67					
Weight casing style F / R / C	lb	188/223/212					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	395	555	665	920	1105	1480
Heating capacity	kBTU/h	12	16	19	27	32	43
Sound pressure level at 10ft	dB(A)	24	33	36	44	49	54

SR M-150-E-600/32							
Nominal unit length	in	60					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	6/8					
Max. Current consumption (unit)	A	22,5					
Max. Fan power	kW	0,47					
Max. Power consumption, heating	kW	20,8					
Max. Heating capacity	kBTU/h	67					
Weight casing style F / R / C	lb	188/223/212					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	395	555	665	920	1105	1480
Heating capacity	kBTU/h	12	16	19	27	32	43
Sound pressure level at 10ft	dB(A)	24	33	36	44	49	54

# ELECTRICAL HEATING - METRIC

SR M-200-E-208/32 - SR M-200-E-480/32 - SR M-200-E-600/32

SR M-200-E-208/32							
Nominal unit length	m	2					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	49,8					
Max. Fan power	kW	0,63					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kW	13,3					
Weight casing style F / R / C	kg	108/129/123					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	900	1260	1500	2080	2500	3360
Heating capacity	kW	4,5	6,3	7,5	10,5	12,5	16,8
Sound pressure level at 3m	dB(A)	26	34	38	45	51	55

SR M-200-E-480/32							
Nominal unit length	m	2					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	37,9					
Max. Fan power	kW	0,63					
Max. Power consumption, heating	kW	28					
Max. Heating capacity	kW	26,6					
Weight casing style F / R / C	kg	108/129/123					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	900	1260	1500	2080	2500	3360
Heating capacity	kW	4,5	6,3	7,5	10,5	12,5	16,8
Sound pressure level at 3m	dB(A)	26	34	38	45	51	55

SR M-200-E-600/32							
Nominal unit length	m	2					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	30,3					
Max. Fan power	kW	0,63					
Max. Power consumption, heating	kW	28					
Max. Heating capacity	kW	26,6					
Weight casing style F / R / C	kg	108/129/123					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	900	1260	1500	2080	2500	3360
Heating capacity	kW	4,5	6,3	7,5	10,5	12,5	16,8
Sound pressure level at 3m	dB(A)	26	34	38	45	51	55

# ELECTRICAL HEATING - IMPERIAL

SR M-200-E-208/32 - SR M-200-E-480/32 - SR M-200-E-600/32

SR M-200-E-208/32							
Nominal unit length	in	80					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	208/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	49,8					
Max. Fan power	kW	0,63					
Max. Power consumption, heating	kW	14					
Max. Heating capacity	kBTU/h	45					
Weight casing style F / R / C	lb	239/285/272					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	530	740	885	1225	1470	1975
Heating capacity	kBTU/h	15	22	26	36	43	57
Sound pressure level at 10ft	dB(A)	26	34	38	45	51	55

SR M-200-E-480/32							
Nominal unit length	in	80					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	37,9					
Max. Fan power	kW	0,63					
Max. Power consumption, heating	kW	28					
Max. Heating capacity	kBTU/h	91					
Weight casing style F / R / C	lb	239/285/272					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	530	740	885	1225	1470	1975
Heating capacity	kBTU/h	15	22	26	36	43	57
Sound pressure level at 10ft	dB(A)	26	34	38	45	51	55

SR M-200-E-600/32							
Nominal unit length	in	80					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	30,3					
Max. Fan power	kW	0,63					
Max. Power consumption, heating	kW	28					
Max. Heating capacity	kBTU/h	91					
Weight casing style F / R / C	lb	239/285/272					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	530	740	885	1225	1470	1975
Heating capacity	kBTU/h	15	22	26	36	43	57
Sound pressure level at 10ft	dB(A)	26	34	38	45	51	55

# ELECTRICAL HEATING - METRIC

## SR M-250-E-480/32 - SR M-250-E-600/32

SR M-250-E-480/32							
Nominal unit length	m	2,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	47,1					
Max. Fan power	kW	0,78					
Max. Power consumption, heating	kW	34,8					
Max. Heating capacity	kW	33,1					
Weight casing style F / R / C	kg	130/156/148					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1130	1580	1880	2610	3130	4190
Heating capacity	kW	5,6	7,9	9,4	13,1	15,7	21
Sound pressure level at 3m	dB(A)	27	35	39	46	52	56

SR M-250-E-600/32							
Nominal unit length	m	2,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	37,7					
Max. Fan power	kW	0,78					
Max. Power consumption, heating	kW	34,8					
Max. Heating capacity	kW	33,1					
Weight casing style F / R / C	kg	130/156/148					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1130	1580	1880	2610	3130	4190
Heating capacity	kW	5,6	7,9	9,4	13,1	15,7	21
Sound pressure level at 3m	dB(A)	27	35	39	46	52	56

# ELECTRICAL HEATING - IMPERIAL

## SR M-250-E-480/32 - SR M-250-E-600/32

SR M-250-E-480/32							
Nominal unit length	in	100					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	47,1					
Max. Fan power	kW	0,78					
Max. Power consumption, heating	kW	34,8					
Max. Heating capacity	kBTU/h	113					
Weight casing style F / R / C	lb	287/344/327					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	660	925	1105	1535	1840	2470
Heating capacity	kBTU/h	19	27	32	45	54	72
Sound pressure level at 10ft	dB(A)	27	35	39	46	52	56

SR M-250-E-600/32							
Nominal unit length	in	100					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	37,7					
Max. Fan power	kW	0,78					
Max. Power consumption, heating	kW	34,8					
Max. Heating capacity	kBTU/h	113					
Weight casing style F / R / C	lb	287/344/327					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	660	925	1105	1535	1840	2470
Heating capacity	kBTU/h	19	27	32	45	54	72
Sound pressure level at 10ft	dB(A)	27	35	39	46	52	56

# ELECTRICAL HEATING - METRIC

## SR L-100-E-480/32 - SR L-100-E-600/32

SR L-100-E-480/32							
Nominal unit length	m	1					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	31,6					
Max. Fan power	kW	0,58					
Max. Power consumption, heating	kW	24,5					
Max. Heating capacity	kW	23,3					
Weight casing style F / R / C	kg	74/87/85					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	940	1370	1630	2180	2680	3170
Heating capacity	kW	4,7	6,9	8,2	10,9	13,4	15,9
Sound pressure level at 3m	dB(A)	31	39	42	48	53	56

SR L-100-E-600/32							
Nominal unit length	m	1					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	25,3					
Max. Fan power	kW	0,58					
Max. Power consumption, heating	kW	24,5					
Max. Heating capacity	kW	23,3					
Weight casing style F / R / C	kg	74/87/85					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	940	1370	1630	2180	2680	3170
Heating capacity	kW	4,7	6,9	8,2	10,9	13,4	15,9
Sound pressure level at 3m	dB(A)	31	39	42	48	53	56

# ELECTRICAL HEATING - IMPERIAL

## SR L-100-E-480/32 - SR L-100-E-600/32

SR L-100-E-480/32							
Nominal unit length	in	40					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	31,6					
Max. Fan power	kW	0,58					
Max. Power consumption, heating	kW	24,5					
Max. Heating capacity	kBTU/h	79					
Weight casing style F / R / C	lb	163/192/187					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	555	805	960	1280	1575	1865
Heating capacity	kBTU/h	16	23	28	37	46	54
Sound pressure level at 10ft	dB(A)	31	39	42	48	53	56

SR L-100-E-600/32							
Nominal unit length	in	40					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	25,3					
Max. Fan power	kW	0,58					
Max. Power consumption, heating	kW	24,5					
Max. Heating capacity	kBTU/h	79					
Weight casing style F / R / C	lb	163/192/187					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	555	805	960	1280	1575	1865
Heating capacity	kBTU/h	16	23	28	37	46	54
Sound pressure level at 10ft	dB(A)	31	39	42	48	53	56

# ELECTRICAL HEATING - METRIC

## SR L-150-E-480/32 - SR L-150-E-600/32

SR L-150-E-480/32							
Nominal unit length	m	1,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	46,9					
Max. Fan power	kW	0,87					
Max. Power consumption, heating	kW	36,4					
Max. Heating capacity	kW	34,6					
Weight casing style F / R / C	kg	111/129/126					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1420	2060	2450	3270	4020	4760
Heating capacity	kW	7,1	10,3	12,3	16,4	20,1	23,9
Sound pressure level at 3m	dB(A)	33	41	44	49	54	58

SR L-150-E-600/32							
Nominal unit length	m	1,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	37,5					
Max. Fan power	kW	0,87					
Max. Power consumption, heating	kW	36,4					
Max. Heating capacity	kW	34,6					
Weight casing style F / R / C	kg	111/129/126					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1420	2060	2450	3270	4020	4760
Heating capacity	kW	7,1	10,3	12,3	16,4	20,1	23,9
Sound pressure level at 3m	dB(A)	33	41	44	49	54	58



# ELECTRICAL HEATING - IMPERIAL

## SR L-150-E-480/32 - SR L-150-E-600/32

SR L-150-E-480/32							
Nominal unit length	in	60					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	46,9					
Max. Fan power	kW	0,87					
Max. Power consumption, heating	kW	36,4					
Max. Heating capacity	kBTU/h	118					
Weight casing style F / R / C	lb	245/284/278					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	835	1210	1445	1920	2365	2800
Heating capacity	kBTU/h	24	35	42	56	69	81
Sound pressure level at 10ft	dB(A)	33	41	44	49	54	58

SR L-150-E-600/32							
Nominal unit length	in	60					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	37,5					
Max. Fan power	kW	0,87					
Max. Power consumption, heating	kW	36,4					
Max. Heating capacity	kBTU/h	118					
Weight casing style F / R / C	lb	245/284/278					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	835	1210	1445	1920	2365	2800
Heating capacity	kBTU/h	24	35	42	56	69	81
Sound pressure level at 10ft	dB(A)	33	41	44	49	54	58

# ELECTRICAL HEATING - METRIC

## SR L-200-E-480/32 - SR L-200-E-600/32

SR L-200-E-480/32							
Nominal unit length	m	2					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	48,5					
Max. Fan power	kW	1,16					
Max. Power consumption, heating	kW	35					
Max. Heating capacity	kW	33,3					
Weight casing style F / R / C	kg	146/171/167					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1890	2740	3270	4350	5350	6340
Heating capacity	kW	9,5	13,8	16,4	21,8	26,9	31,8
Sound pressure level at 3m	dB(A)	34	42	45	51	56	59

SR L-200-E-600/32							
Nominal unit length	m	2					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	50,5					
Max. Fan power	kW	1,16					
Max. Power consumption, heating	kW	49					
Max. Heating capacity	kW	46,6					
Weight casing style F / R / C	kg	146/171/167					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1890	2740	3270	4350	5350	6340
Heating capacity	kW	9,5	13,8	16,4	21,8	26,9	31,8
Sound pressure level at 3m	dB(A)	34	42	45	51	56	59

# ELECTRICAL HEATING - IMPERIAL

## SR L-200-E-480/32 - SR L-200-E-600/32

SR L-200-E-480/32							
Nominal unit length	in	80					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	48,5					
Max. Fan power	kW	1,16					
Max. Power consumption, heating	kW	35					
Max. Heating capacity	kBTU/h	113					
Weight casing style F / R / C	lb	322/377/368					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	1110	1615	1925	2565	3150	3730
Heating capacity	kBTU/h	32	47	56	75	92	109
Sound pressure level at 10ft	dB(A)	34	42	45	51	56	59

SR L-200-E-600/32							
Nominal unit length	in	80					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	50,5					
Max. Fan power	kW	1,16					
Max. Power consumption, heating	kW	49					
Max. Heating capacity	kBTU/h	159					
Weight casing style F / R / C	lb	322/377/368					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	1110	1615	1925	2565	3150	3730
Heating capacity	kBTU/h	32	47	56	75	92	109
Sound pressure level at 10ft	dB(A)	34	42	45	51	56	59

# ELECTRICAL HEATING - METRIC

## SR L-250-E-480/32 - SR L-250-E-600/32

SR L-250-E-480/32							
Nominal unit length	m	2,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	47,1					
Max. Fan power	kW	1,45					
Max. Power consumption, heating	kW	34,8					
Max. Heating capacity	kW	33,1					
Weight casing style F / R / C	kg	181/213/207					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	2360	3430	4090	5440	6690	7930
Heating capacity	kW	11,8	17,2	20,5	27,3	33,6	39,8
Sound pressure level at 3m	dB(A)	35	43	46	52	57	60

SR L-250-E-600/32							
Nominal unit length	m	2,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	50,2					
Max. Fan power	kW	1,45					
Max. Power consumption, heating	kW	47,9					
Max. Heating capacity	kW	45,5					
Weight casing style F / R / C	kg	181/213/207					
Air inlet temperature	°C				20		
Discharge air temperature	°C				35		
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	2360	3430	4090	5440	6690	7930
Heating capacity	kW	11,8	17,2	20,5	27,3	33,6	39,8
Sound pressure level at 3m	dB(A)	35	43	46	52	57	60

# ELECTRICAL HEATING - IMPERIAL

## SR L-250-E-480/32 - SR L-250-E-600/32

SR L-250-E-480/32							
Nominal unit length	in	100					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	480/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	47,1					
Max. Fan power	kW	1,45					
Max. Power consumption, heating	kW	34,8					
Max. Heating capacity	kBTU/h	113					
Weight casing style F / R / C	lb	399/470/456					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	1390	2015	2405	3205	3940	4665
Heating capacity	kBTU/h	40	59	70	93	115	136
Sound pressure level at 10ft	dB(A)	35	43	46	52	57	60

SR L-250-E-600/32							
Nominal unit length	in	100					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	600/3/60					
Max. Cable size allowed (solid/stranded)	AWG	2/2					
Max. Current consumption (unit)	A	50,2					
Max. Fan power	kW	1,45					
Max. Power consumption, heating	kW	47,9					
Max. Heating capacity	kBTU/h	155					
Weight casing style F / R / C	lb	399/470/456					
Air inlet temperature	°F				68		
Discharge air temperature	°F				95		
Speed		1	2	3	4	5	6
Air volume	cfm	1390	2015	2405	3205	3940	4665
Heating capacity	kBTU/h	40	59	70	93	115	136
Sound pressure level at 10ft	dB(A)	35	43	46	52	57	60

# AMBIENT - METRIC

SR S-100-A-230/22 - SR S-150-A-230/22

SR S-200-A-230/22 - SR S-250-A-230/22

SR S-100-A-230/22							
Nominal unit length	m	1					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,15					
Max. Fan power	kW	0,26					
Weight casing style F / R / C	kg	44/54/52					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	410	590	660	850	1040	1210
Sound pressure level at 3m	dB(A)	25	33	36	41	46	50

SR S-150-A-230/22							
Nominal unit length	m	1,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,73					
Max. Fan power	kW	0,39					
Weight casing style F / R / C	kg	64/80/75					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	610	880	990	1280	1550	1820
Sound pressure level at 3m	dB(A)	27	35	38	43	48	52

SR S-200-A-230/22							
Nominal unit length	m	2					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,3					
Max. Fan power	kW	0,51					
Weight casing style F / R / C	kg	78/99/93					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	810	1180	1320	1700	2070	2420
Sound pressure level at 3m	dB(A)	28	36	39	44	49	53

SR S-250-A-230/22							
Nominal unit length	m	2,5					
Door height	m	2 - 2,4					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,88					
Max. Fan power	kW	0,64					
Weight casing style F / R / C	kg	101/127/119					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1010	1470	1650	2130	2590	3030
Sound pressure level at 3m	dB(A)	29	37	40	45	50	54

# AMBIENT - IMPERIAL

SR S-100-A-230/22 - SR S-150-A-230/22

SR S-200-A-230/22 - SR S-250-A-230/22

SR S-100-A-230/22							
Nominal unit length	in	40					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,15					
Max. Fan power	kW	0,26					
Weight casing style F / R / C	lb	88/119/115					
Speed		1	2	3	4	5	6
Air volume	cfm	240	345	390	500	610	715
Sound pressure level at 10ft	dB(A)	25	33	36	41	46	50

SR S-150-A-230/22							
Nominal unit length	in	60					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,73					
Max. Fan power	kW	0,39					
Weight casing style F / R / C	lb	128/176/165					
Speed		1	2	3	4	5	6
Air volume	cfm	360	520	585	750	915	1070
Sound pressure level at 10ft	dB(A)	27	35	38	43	48	52

SR S-200-A-230/22							
Nominal unit length	in	80					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,3					
Max. Fan power	kW	0,51					
Weight casing style F / R / C	lb	154/218/205					
Speed		1	2	3	4	5	6
Air volume	cfm	480	690	780	1005	1220	1425
Sound pressure level at 10ft	dB(A)	28	36	39	44	49	53

SR S-250-A-230/22							
Nominal unit length	in	100					
Door height	in	80 - 95					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,88					
Max. Fan power	kW	0,64					
Weight casing style F / R / C	lb	201/280/262					
Speed		1	2	3	4	5	6
Air volume	cfm	595	865	975	1255	1525	1785
Sound pressure level at 10ft	dB(A)	29	37	40	45	50	54

# AMBIENT - METRIC

SR M-100-A-230/22 - SR M-150-A-230/22  
 SR M-200-A-230/22 - SR M-250-A-230/22

SR M-100-A-230/22							
Nominal unit length	m	1					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,53					
Max. Fan power	kW	0,31					
Weight casing style F / R / C	kg	50/60/58					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	450	630	750	1040	1250	1680
Sound pressure level at 3m	dB(A)	23	31	35	42	48	52

SR M-150-A-230/22							
Nominal unit length	m	1,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,29					
Max. Fan power	kW	0,47					
Weight casing style F / R / C	kg	72/88/83					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	680	950	1130	1560	1880	2520
Sound pressure level at 3m	dB(A)	24	33	36	44	49	54

SR M-200-A-230/22							
Nominal unit length	m	2					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,06					
Max. Fan power	kW	0,63					
Weight casing style F / R / C	kg	91/112/106					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	900	1260	1500	2080	2500	3360
Sound pressure level at 3m	dB(A)	26	34	38	45	51	55

SR M-250-A-230/22							
Nominal unit length	m	2,5					
Door height	m	2,2 - 2,8					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,82					
Max. Fan power	kW	0,78					
Weight casing style F / R / C	kg	113/139/131					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1130	1580	1880	2610	3130	4190
Sound pressure level at 3m	dB(A)	27	35	39	46	52	56



# AMBIENT - IMPERIAL

SR M-100-A-230/22 - SR M-150-A-230/22

SR M-200-A-230/22 - SR M-250-A-230/22

SR M-100-A-230/22							
Nominal unit length	in	40					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	1,53					
Max. Fan power	kW	0,31					
Weight casing style F / R / C	lb	102/132/128					
Speed		1	2	3	4	5	6
Air volume	cfm	265	370	440	615	735	990
Sound pressure level at 10ft	dB(A)	23	31	35	42	48	52

SR M-150-A-230/22							
Nominal unit length	in	60					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	2,29					
Max. Fan power	kW	0,47					
Weight casing style F / R / C	lb	146/194/183					
Speed		1	2	3	4	5	6
Air volume	cfm	395	555	665	920	1105	1480
Sound pressure level at 10ft	dB(A)	24	33	36	44	49	54

SR M-200-A-230/22							
Nominal unit length	in	80					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,06					
Max. Fan power	kW	0,63					
Weight casing style F / R / C	lb	183/247/234					
Speed		1	2	3	4	5	6
Air volume	cfm	530	740	885	1225	1470	1975
Sound pressure level at 10ft	dB(A)	26	34	38	45	51	55

SR M-250-A-230/22							
Nominal unit length	in	100					
Door height	in	85 - 110					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,82					
Max. Fan power	kW	0,78					
Weight casing style F / R / C	lb	228/307/289					
Speed		1	2	3	4	5	6
Air volume	cfm	660	925	1105	1535	1840	2470
Sound pressure level at 10ft	dB(A)	27	35	39	46	52	56

# AMBIENT - METRIC

SR L-100-A-230/22 - SR L-150-A-230/22

SR L-200-A-230/22 - SR L-250-A-230/22

SR L-100-A-230/22							
Nominal unit length	m	1					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,1					
Max. Fan power	kW	0,58					
Weight casing style F / R / C	kg	61/74/72					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	940	1370	1630	2180	2680	3170
Sound pressure level at 3m	dB(A)	31	39	42	48	53	56

SR L-150-A-230/22							
Nominal unit length	m	1,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	4,64					
Max. Fan power	kW	0,87					
Weight casing style F / R / C	kg	92/110/107					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1420	2060	2450	3270	4020	4760
Sound pressure level at 3m	dB(A)	33	41	44	49	54	58

SR L-200-A-230/22							
Nominal unit length	m	2					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	6,19					
Max. Fan power	kW	1,16					
Weight casing style F / R / C	kg	118/143/139					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	1890	2740	3270	4350	5350	6340
Sound pressure level at 3m	dB(A)	34	42	45	51	56	59

SR L-250-A-230/22							
Nominal unit length	m	2,5					
Door height	m	2,5 - 3,3					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	7,74					
Max. Fan power	kW	1,45					
Weight casing style F / R / C	kg	150/182/176					
Speed		1	2	3	4	5	6
Air volume	m <sup>3</sup> /h	2360	3430	4090	5440	6690	7930
Sound pressure level at 3m	dB(A)	35	43	46	52	57	60

# AMBIENT - IMPERIAL

SR L-100-A-230/22 - SR L-150-A-230/22

SR L-200-A-230/22 - SR L-250-A-230/22

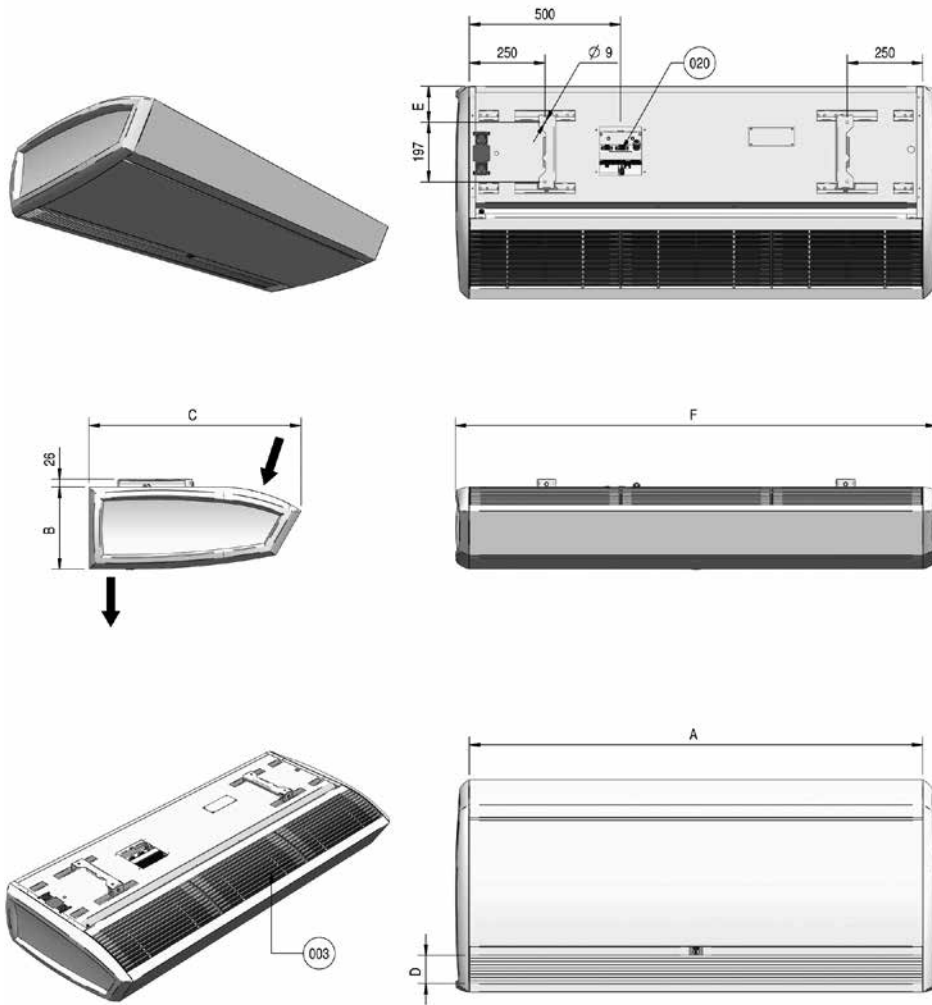
SR L-100-A-230/22							
Nominal unit length	in	40					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	3,1					
Max. Fan power	kW	0,58					
Weight casing style F / R / C	lb	124/163/159					
Speed		1	2	3	4	5	6
Air volume	cfm	555	805	960	1280	1575	1865
Sound pressure level at 10ft	dB(A)	31	39	42	48	53	56

SR L-150-A-230/22							
Nominal unit length	in	60					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	4,64					
Max. Fan power	kW	0,87					
Weight casing style F / R / C	lb	188/243/237					
Speed		1	2	3	4	5	6
Air volume	cfm	835	1210	1445	1920	2365	2800
Sound pressure level at 10ft	dB(A)	33	41	44	49	54	58

SR L-200-A-230/22							
Nominal unit length	in	80					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	6,19					
Max. Fan power	kW	1,16					
Weight casing style F / R / C	lb	240/315/306					
Speed		1	2	3	4	5	6
Air volume	cfm	1110	1615	1925	2565	3150	3730
Sound pressure level at 10ft	dB(A)	34	42	45	51	56	59

SR L-250-A-230/22							
Nominal unit length	in	100					
Door height	in	100 - 130					
Electrical supply	V/ph/Hz	230/1/60					
Max. Input current (1 phase)	A	7,74					
Max. Fan power	kW	1,45					
Weight casing style F / R / C	lb	307/402/389					
Speed		1	2	3	4	5	6
Air volume	cfm	1390	2015	2405	3205	3940	4665
Sound pressure level at 10ft	dB(A)	35	43	46	52	57	60

# FREE HANGING MODEL - METRIC



	A	B	C	D	E	F
SR S / M 100	1000	270	702	93	119	1093
SR S / M 150	1500	270	702	93	119	1593
SR S / M 200	2000	270	702	93	119	2093
SR S / M 250	2500	270	702	93	119	2593
SR L 100	1000	370	940	125	200	1138
SR L 150	1500	370	940	125	200	1638
SR L 200	2000	370	940	125	200	2138
SR L 250	2500	370	940	125	200	2638

## EXPLANATION OF DIMENSIONAL SKETCHES

○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

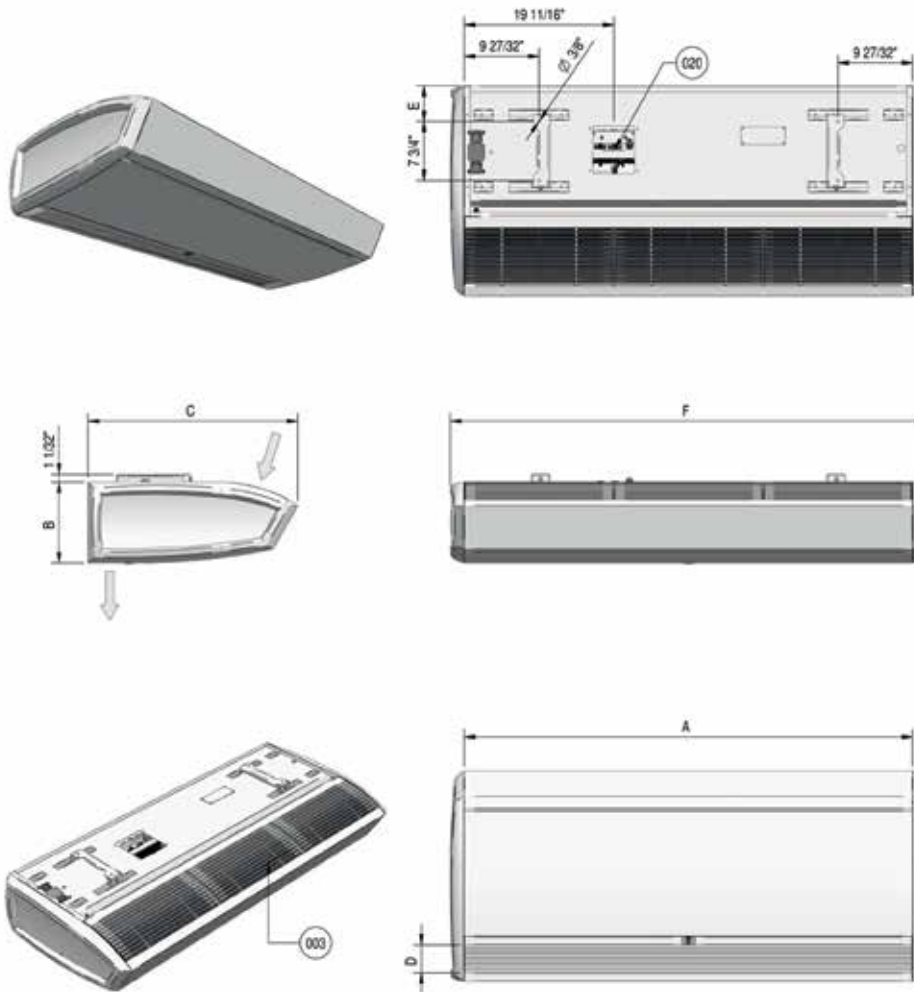
The corresponding numbers in the dimensional sketches are explained here:

**3**-Air inlet grille with filter. **20**-Connection plate. **35**-Ducts are not supplied. **43**-Finishing sections supplied separately.

**36**-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).

**12**-Pipework. **87**-Threaded rod covers (position is flexible).

# FREE HANGING MODEL - IMPERIAL



	A	B	C	D	E	F
SR S / M 100	39 3/8"	10 5/8"	27 5/8"	3 2/32"	4 1/16"	43 1/32"
SR S / M 150	59 1/16"	10 5/8"	27 5/8"	3 2/32"	4 1/16"	62 23/32"
SR S / M 200	78 3/4"	10 5/8"	27 5/8"	3 2/32"	4 1/16"	82 13/32"
SR S / M 250	98 7/16"	10 5/8"	27 5/8"	3 2/32"	4 1/16"	102 3/32"
SR L 100	39 3/8"	14 9/16"	37"	4 2/32"	7 7/8"	44 13/16"
SR L 150	59 1/16"	14 9/16"	37"	4 2/32"	7 7/8"	64 1/2"
SR L 200	78 3/4"	14 9/16"	37"	4 2/32"	7 7/8"	84 3/16"
SR L 250	98 7/16"	14 9/16"	37"	4 2/32"	7 7/8"	103 27/32"

## EXPLANATION OF DIMENSIONAL SKETCHES

○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

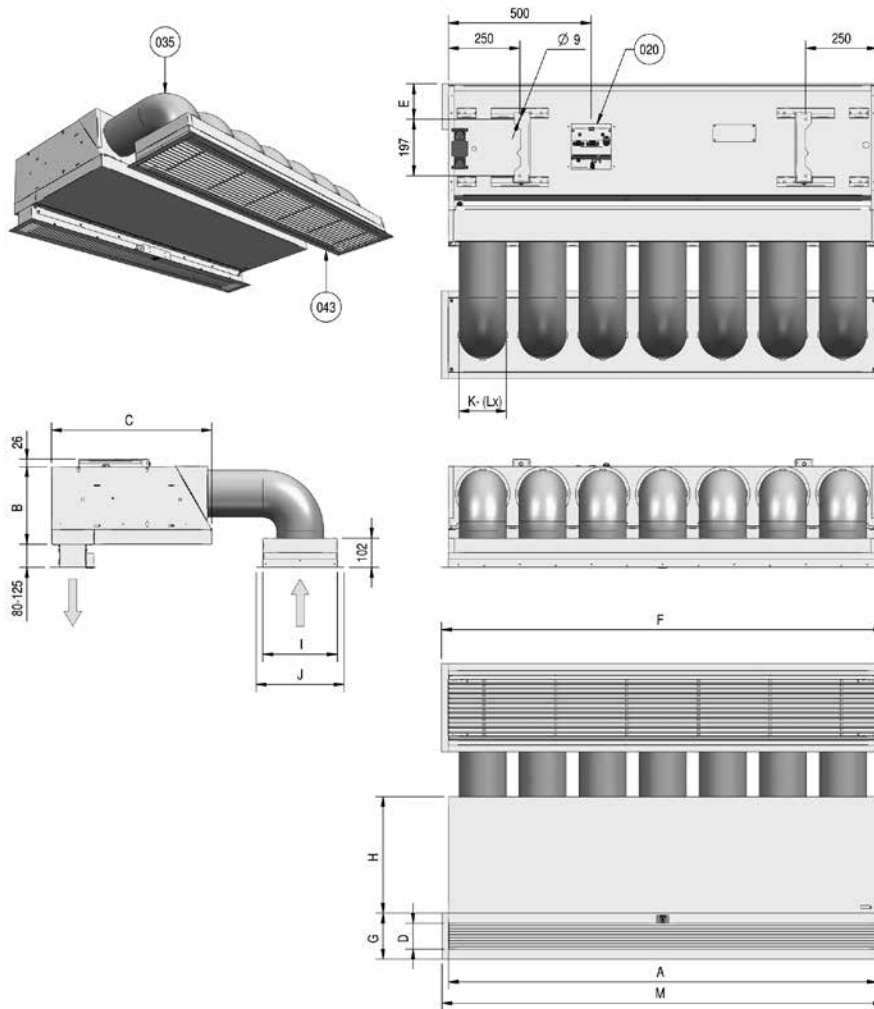
The corresponding numbers in the dimensional sketches are explained here:

**3**-Air inlet grille with filter. **20**-Connection plate. **35**-Ducts are not supplied. **43**-Finishing sections supplied separately.

**36**-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).

**12**-Pipework. **87**-Threaded rod covers (position is flexible).

# RECESSED MODEL - METRIC



	A	B	C	D	E	F	G	H	I	J	K	L	M
SR S / M 100	1000	270	561	90	125	1048	160	406	261	307	Ø160	5	1045
SR S / M 150	1500	270	561	90	125	1548	160	406	261	307	Ø160	7	1545
SR S / M 200	2000	270	561	90	125	2048	160	406	261	307	Ø160	10	2045
SR S / M 250	2500	270	561	90	125	2548	160	406	261	307	Ø160	12	2545
SR L 100	1000	370	745	122	206	1048	191	559	361	407	Ø250	3	1045
SR L 150	1500	370	745	122	206	1548	191	559	361	407	Ø250	5	1545
SR L 200	2000	370	745	122	206	2048	191	559	361	407	Ø250	6	2045
SR L 250	2500	370	745	122	206	2548	191	559	361	407	Ø250	8	2545

## EXPLANATION OF DIMENSIONAL SKETCHES

○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

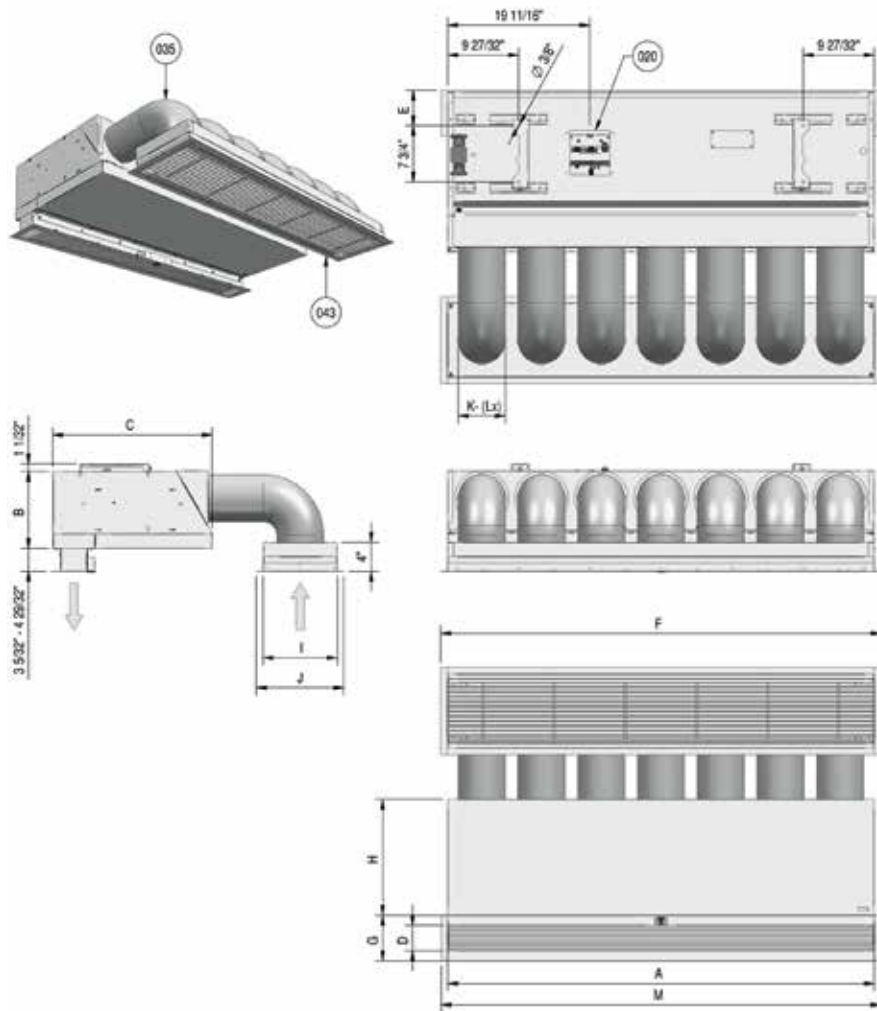
The corresponding numbers in the dimensional sketches are explained here:

**3**-Air inlet grille with filter. **20**-Connection plate. **35**-Ducts are not supplied. **43**-Finishing sections supplied separately.

**36**-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).

**12**-Pipework. **87**-Threaded rod covers (position is flexible).

# RECESSED MODEL - IMPERIAL



	A	B	C	D	E	F	G	H	I	J	K	L	M
SR S / M 100	39 3/8"	10 5/8"	22 3/32"	3 17/32"	4 29/32"	41 1/4"	6 5/16"	15 31/32"	10 9/32"	12 3/32"	Ø6 5/16"	3/16"	41 5/32"
SR S / M 150	59 1/16"	10 5/8"	22 3/32"	3 17/32"	4 29/32"	60 15/16"	6 5/16"	15 31/32"	10 9/32"	12 3/32"	Ø6 5/16"	9/32"	60 13/16"
SR S / M 200	78 3/4"	10 5/8"	22 3/32"	3 17/32"	4 29/32"	80 5/8"	6 5/16"	15 31/32"	10 9/32"	12 3/32"	Ø6 5/16"	13/32"	80 1/2"
SR S / M 250	98 7/16"	10 5/8"	22 3/32"	3 17/32"	4 29/32"	100 5/16"	6 5/16"	15 31/32"	10 9/32"	12 3/32"	Ø6 5/16"	15/32"	100 3/16"
SR L 100	39 3/8"	14 9/16"	29 11/32"	4 13/16"	8 1/8"	41 1/4"	7 17/32"	22"	14 7/32"	16 1/32"	Ø9 27/32"	1/8"	41 5/32"
SR L 150	59 1/16"	14 9/16"	29 11/32"	4 13/16"	8 1/8"	60 15/16"	7 17/32"	22"	14 7/32"	16 1/32"	Ø9 27/32"	3/16"	60 13/16"
SR L 200	78 3/4"	14 9/16"	29 11/32"	4 13/16"	8 1/8"	80 5/8"	7 17/32"	22"	14 7/32"	16 1/32"	Ø9 27/32"	1/4"	80 1/2"
SR L 250	98 7/16"	14 9/16"	29 11/32"	4 13/16"	8 1/8"	100 5/16"	7 17/32"	22"	14 7/32"	16 1/32"	Ø9 27/32"	5/16"	100 3/16"

## EXPLANATION OF DIMENSIONAL SKETCHES

○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

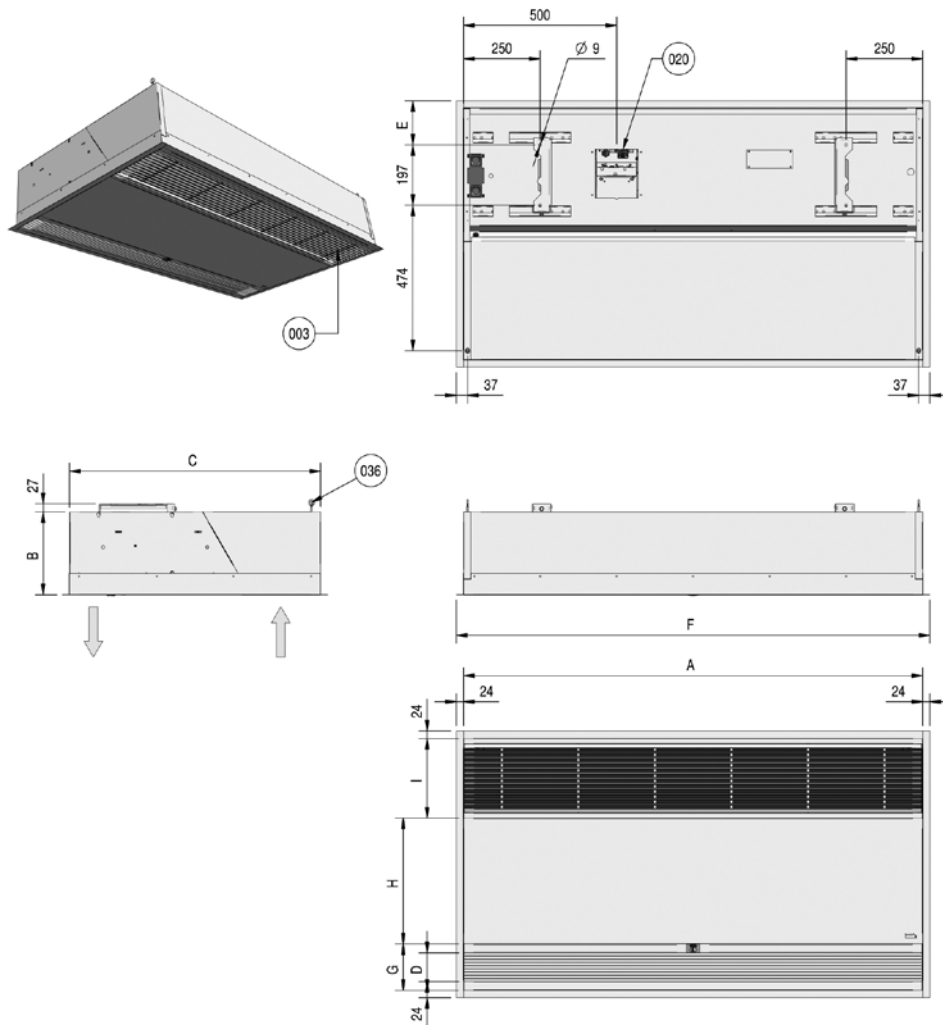
The corresponding numbers in the dimensional sketches are explained here:

**3**-Air inlet grille with filter. **20**-Connection plate. **35**-Ducts are not supplied. **43**-Finishing sections supplied separately.

**36**-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).

**12**-Pipework. **87**-Threaded rod covers (position is flexible).

# CASSETTE MODEL - METRIC



	A	B	C	D	E	F	G	H	I
SR S / M 100	1000	270	821	93	144	1048	150	411	260
SR S / M 150	1500	270	821	93	144	1548	150	411	260
SR S / M 200	2000	270	821	93	144	2048	150	411	260
SR S / M 250	2500	270	821	93	144	2548	150	411	260
SR L 100	1000	370	1105	125	175	1048	182	564	360
SR L 150	1500	370	1105	125	175	1548	182	564	360
SR L 200	2000	370	1105	125	175	2048	182	564	360
SR L 250	2500	370	1105	125	175	2548	182	564	360

## EXPLANATION OF DIMENSIONAL SKETCHES

○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

The corresponding numbers in the dimensional sketches are explained here:

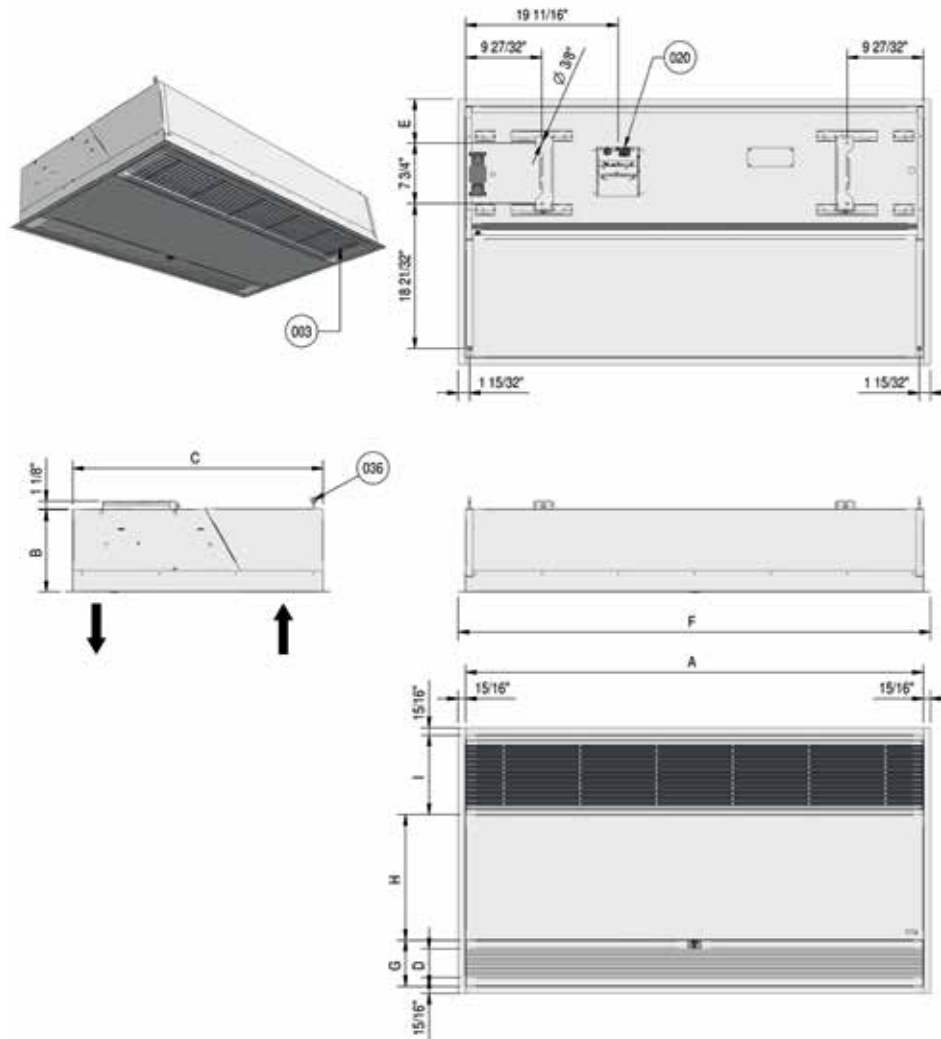
**3**-Air inlet grille with filter. **20**-Connection plate. **35**-Ducts are not supplied. **43**-Finishing sections supplied separately.

**36**-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).

**12**-Pipework. **87**-Threaded rod covers (position is flexible).



# CASSETTE MODEL - IMPERIAL



	A	B	C	D	E	F	G	H	I
SR S / M 100	39 3/8"	10 5/8"	32 5/16"	3 21/32"	5 21/32"	41 1/4"	5 29/32"	16 3/16"	10 1/4"
SR S / M 150	59 1/16"	10 5/8"	32 5/16"	3 21/32"	5 21/32"	60 15/16"	5 29/32"	16 3/16"	10 1/4"
SR S / M 200	78 3/4"	10 5/8"	32 5/16"	3 21/32"	5 21/32"	80 5/8"	5 29/32"	16 3/16"	10 1/4"
SR S / M 250	98 7/16"	10 5/8"	32 5/16"	3 21/32"	5 21/32"	100 5/16"	5 29/32"	16 3/16"	10 1/4"
SR L 100	39	14 9/16"	43 1/2"	4 29/32"	6 7/8"	41 1/4"	7 5/32"	22 7/32"	14 3/16"
SR L 150	59	14 9/16"	43 1/2"	4 29/32"	6 7/8"	60 15/16"	7 5/32"	22 7/32"	14 3/16"
SR L 200	78	14 9/16"	43 1/2"	4 29/32"	6 7/8"	80 5/8"	7 5/32"	22 7/32"	14 3/16"
SR L 250	98	14 9/16"	43 1/2"	4 29/32"	6 7/8"	100 5/16"	7 5/32"	22 7/32"	14 3/16"

## EXPLANATION OF DIMENSIONAL SKETCHES

○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

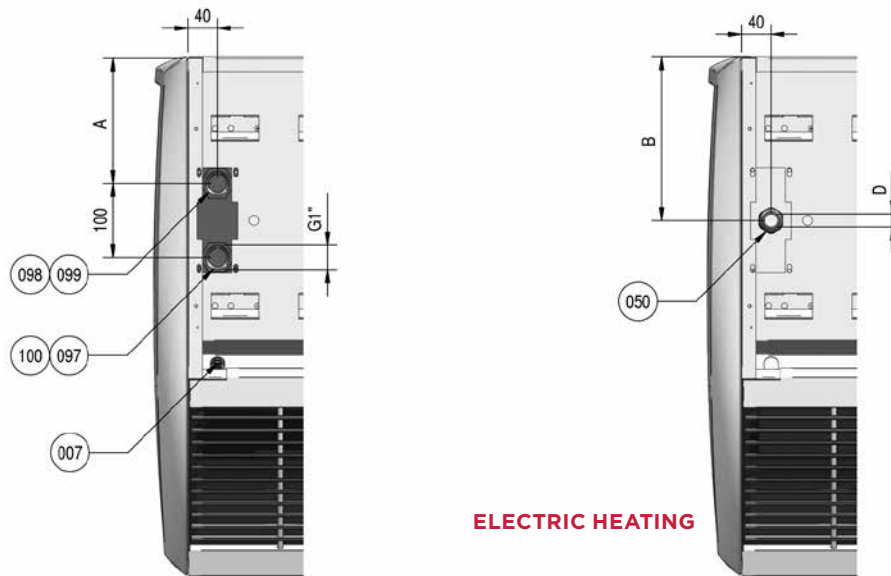
The corresponding numbers in the dimensional sketches are explained here:

**3**-Air inlet grille with filter. **20**-Connection plate. **35**-Ducts are not supplied. **43**-Finishing sections supplied separately.

**36**-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).

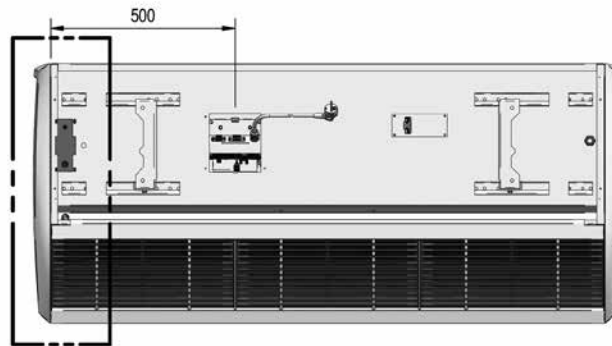
**12**-Pipework. **87**-Threaded rod covers (position is flexible).

# CONNECTIONS - METRIC



**WATER**

**ELECTRIC HEATING**



	A	B	D
SR S 100 / SR S 150	170	220	PG21
SR S 200 / SR S 250	170	220	PG21
SR M 100 / SR M 150	170	220	PG21
SR M 200 / SR M 250	170	220	PG29
SR L 100	245	295	PG21
SR L 150	245	295	PG29
SR L 200	245	295	PG36
SR L 250	245	295	PG36

## EXPLANATION OF DIMENSIONAL SKETCHES

○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes =  $(A+8) \times (C+8)$  mm.

**Recessed:** aperture sizes:

- for air discharge  $(A+8) \times (D+8)$  mm
- for air inlet:  $(A+8) \times (I+8)$  mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

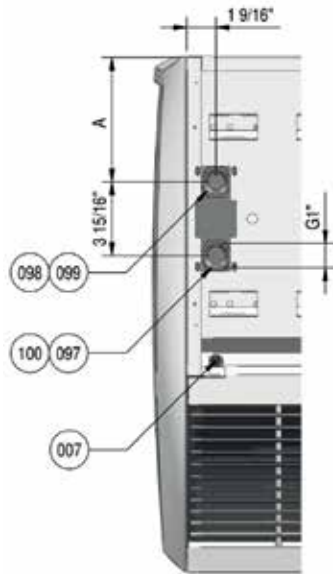
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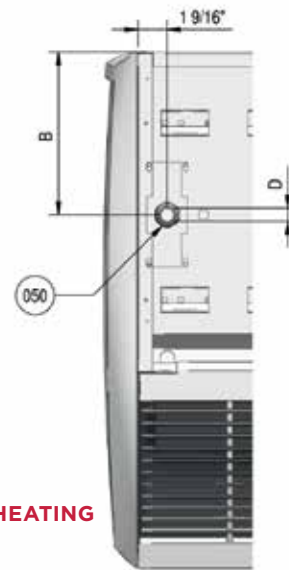
**36**-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).

**12**-Pipework. **87**-Threaded rod covers (position is flexible).

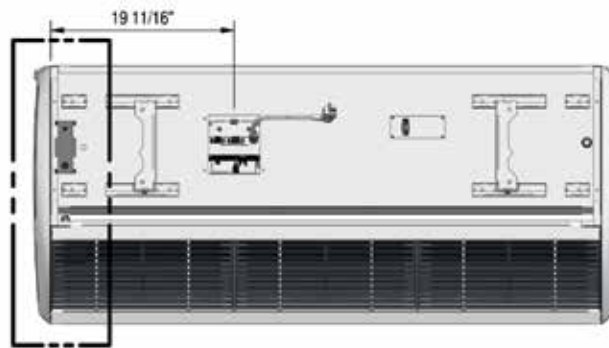
# CONNECTIONS - IMPERIAL



**WATER**



**ELECTRIC HEATING**



	A	B	D
SR S 100 / SR S 150	6 1/4"	8 2/32"	PG21
SR S 200 / SR S 250	6 1/4"	8 2/32"	PG21
SR M 100 / SR M 150	6 1/4"	8 2/32"	PG21
SR M 200 / SR M 250	6 1/4"	8 2/32"	PG29
SR L 100	9 2/32"	11 5/8"	PG21
SR L 150	9 2/32"	11 5/8"	PG29
SR L 200 / SR L 250	9 2/32"	11 5/8"	PG36

## EXPLANATION OF DIMENSIONAL SKETCHES

### ○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

### ○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

### ○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

The corresponding numbers in the dimensional sketches are explained here:

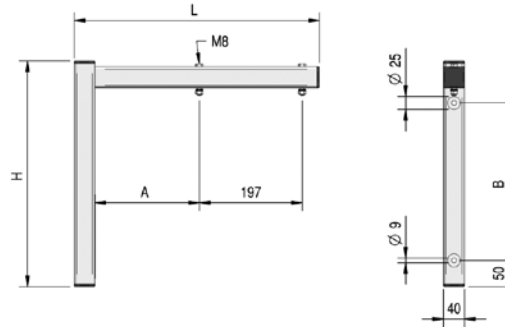
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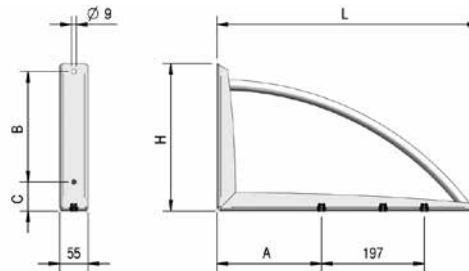
# WALL SUSPENSION BRACKETS - METRIC

## STANDARD



	L	H	A	B
SR S / M	389	330	119	200
SR L	470	430	200	300

## DESIGN



	L	H	A	B	C
SR S / M	425	240	119	190	35
SR L	500	280	200	210	55

## EXPLANATION OF DIMENSIONAL SKETCHES

### Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes =  $(A+8) \times (C+8)$  mm.

**Recessed:** aperture sizes:

- for air discharge  $(A+8) \times (D+8)$  mm
- for air inlet:  $(A+8) \times (I+8)$  mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

### Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

### Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

## INDEX

The corresponding numbers in the dimensional sketches are explained here:

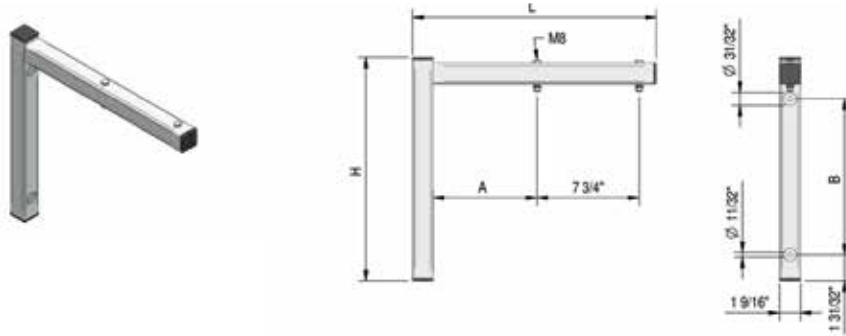
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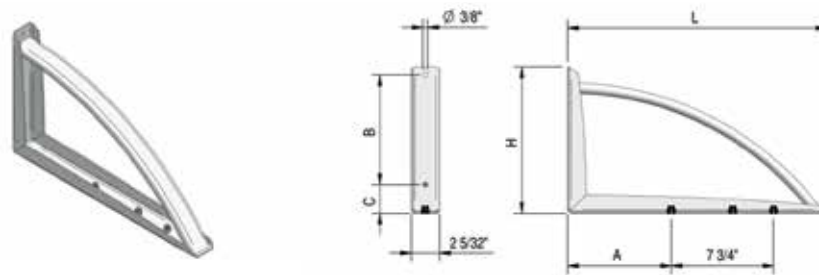
# WALL SUSPENSION BRACKETS - IMPERIAL

## STANDARD



	L	H	A	B
SR S / M	15 5/16"	13"	4 1/16"	7 7/8"
SR L	18 1/2"	16 15/16"	7 7/8"	11 13/16"

## DESIGN



	L	H	A	B	C
SR S / M	16 23/32"	9 7/16"	4 1/16"	7 15/32"	1 3/8"
SR L	19 1/16"	11 1/2"	7 7/8"	8 9/32"	2 5/32"

### EXPLANATION OF DIMENSIONAL SKETCHES

#### Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes = (A+8) x (C+8) mm.

**Recessed:** aperture sizes:

- for air discharge (A+8) x (D+8) mm
- for air inlet: (A+8) x (I+8) mm. If the recessed model is to be built into a bulkhead, it is also available in a design that has no inlet air plenum or flexible ducts.

- Wall suspension brackets and threaded rod covers
- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

#### Note

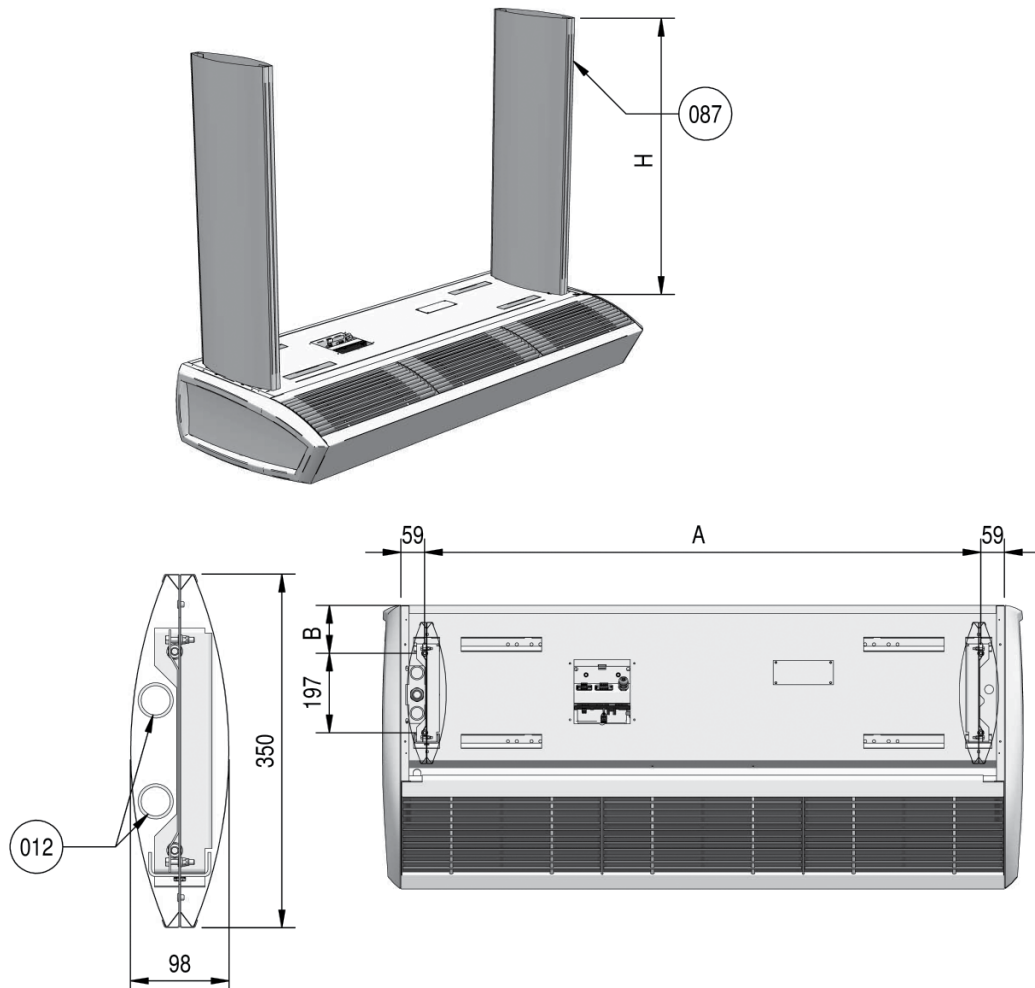
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# THREADED ROD COVERS - METRIC



	A	B
SR 100	882	
SR 150	1382	119 (S/M)
SR 200	1882	200 (L)
SR 250	1191 (x2)	

Size H is the distance between unit and ceiling. This size needs to be communicated on the order.

## EXPLANATION OF DIMENSIONAL SKETCHES

### ○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

**Cassette:** aperture sizes =  $(A+8) \times (C+8)$  mm.

**Recessed:** aperture sizes:

- for air discharge  $(A+8) \times (D+8)$  mm
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### ○ Wall suspension brackets and threaded rod covers

- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

### ○ Note

- SR 250 units have 3 suspension brackets. All other sizes have 2 suspension brackets.

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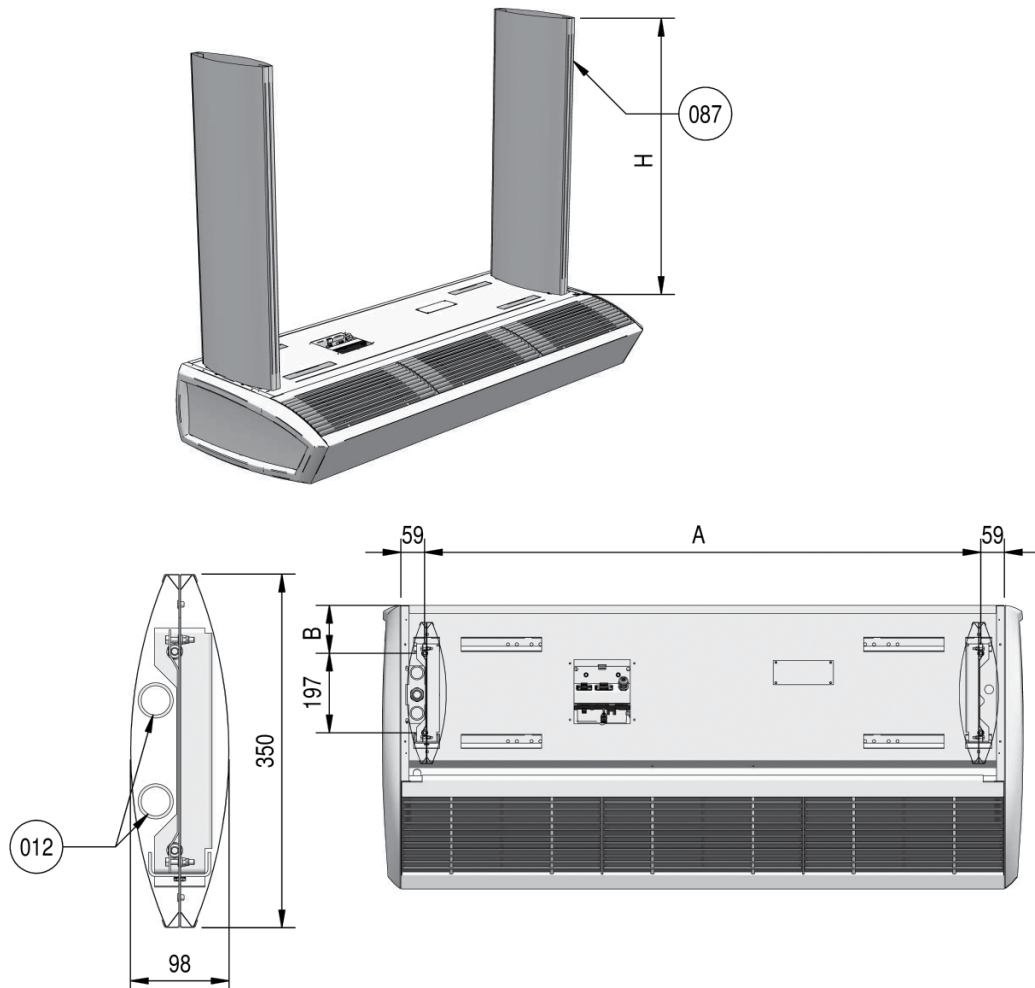
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**12**-Pipework. **87**-Threaded rod covers (position is flexible).

# THREADED ROD COVERS - IMPERIAL



	A	B
SR 100	34 23/32"	
SR 150	54 13/32"	4 11/16" (S/M) 7 7/8" (L)
SR 200	74 3/32"	
SR 250	46 7/8" (2X)	

Size H is the distance between unit and ceiling. This size needs to be communicated on the order.

## EXPLANATION OF DIMENSIONAL SKETCHES

### ○ Models

**Free hanging:** by removing the end panels, the units are easy to interlink.

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**Biddle**

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Errors and omissions excepted. CA|SR|V|01|2020