INTEGRATED
engineering

SHOP DRAWING TRANSMITTAL

To: Daniel Cusimano Architect Inc.
185 Bridgeland Ave.
Suite 107
Toronto, ON M6A 1Y7

Att: Stacey Melville

Project: **Shopper's Drug Mart #1112**
5050 Tecumseh Road East, Building 3
Windsor, Ontario

From: Kyle McCallum
Date: January 24, 2025
File No: 7320.pt

We have reviewed the attached contractor's equipment shop drawings for general conformity with the design documents and are forwarding them to you for your use in association with the above noted project.

The documents are sent by: Courier • Hand • Pick-up • Facsimile • **E-Mail**

Qty	Shop Drawings	Notes
1	Air Curtains	Reviewed: Ensure auto-active control with B-touch control panel, door switch for auto on-off control, filter sensor & end panels are being provided. Coordinate colour with architect prior to ordering.

ENSURE COPIES OF FINAL SHOP DWGS ARE INSERTED INTO MAINTENANCE MANUALS.

54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
SDM 1112 WINDSOR 24-283	5050 TECUMSEH RD EAST, BUILDING 3, WINDSOR, ONTARIO	

TO	FROM
JEREMY DAVIS	
COMPANY	COMPANY
LESTER CONSTRUCTION GROUP INC.	
EMAIL	EMAIL
jeremy@lestergroup.ca	
ADDRESS	ADDRESS
3445 Wheelton Road, Unit 130, Windsor, Ontario N8W 5A6	54 Audia Court, Unit 2 Concord, ON L4K 3N5

INTEGRATED ENGINEERING			
REVIEW OF THIS DRAWING IS FOR GENERAL CONFORMITY WITH THE DESIGN ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIREMENTS OF THE INSTALLATION.			
PROJ No.	7320	REVIEWED	✓
DATE	25.01.24	REVISED	
BY	KJM	RESUBMIT	

SEE NOTES & COMMENTS ON TRANSMITTAL

Title

Air Curtains

LESTER

REVIEWED AS TO GENERAL ARRANGEMENT AND LAYOUT ONLY. DIMENSIONS AND COMPLIANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS ARE THE RESPONSIBILITY OF THE SUBCONTRACTOR

REVIEWED STATUS: **Reviewed**
PROJECT NUMBER: **25820**
REVIEWED BY: **Jeremy Davis**
REVIEWED DATE: **Jan 24, 2025**

Description

DCA 1 & 2 : SR M-100-E-600/32 FREE HANGING MODEL

SPEC	SUBSECTION	ITEM	TYPE

SYMBOL	MANUFACTURER	MODEL No.	HEATING		SUPPLY FAN		POWER	WEIGHT	MOUNTING ARRANGEMENT	REMARKS
			kW	MBH	CFM	kW				
DAC-1 & DAC-2	BIDDLE-SENSAIR	SRM-100-E-F	14	45	265-990	0.31	600V/3/60	150 LBS	SUSPENDED	FREE HANGING WITH AUTO-ACTIVE CONTROL WITH B-TOUCH CONTROL PANEL. CONTROL WIRING FROM UNIT TO CONTROL WITH HEAT, FAN & OFF CONTROL. CSA and ULC APPROVED. DOOR SWITCH FOR AUTO ON-OFF CONTROL. THERMOSTAT LOCATION TO CONFIRM ON SITE. END PANELS. FILTER SENSOR. COORDINATE EXACT HEIGHT OF AIR CURTAIN ON SITE WITH ARCHITECT.

SR

Comfort Air Curtain

Biddle

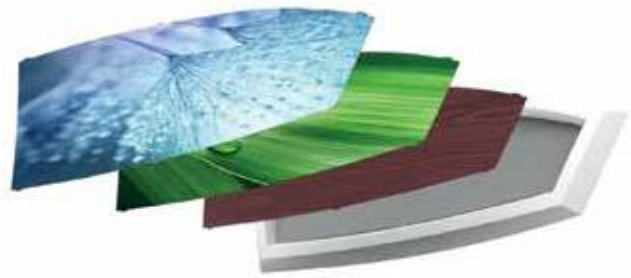
SELECTION AND OPTIONS

The 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
Capacity	
S	Small 200-240 cm (80"-95")
M	Medium 220-280 cm (85"-110")
L	Large 250-330 cm (100"-130")
Length	
100 - 150 - 200 - 250 cm	
40" - 60" - 80" - 100"	
Coil type	
H3	Hot water heating
E	Electrical heating
DX (DK)	In combination with Daikin systems
A	Ambient (no heating)
Model	
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

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.

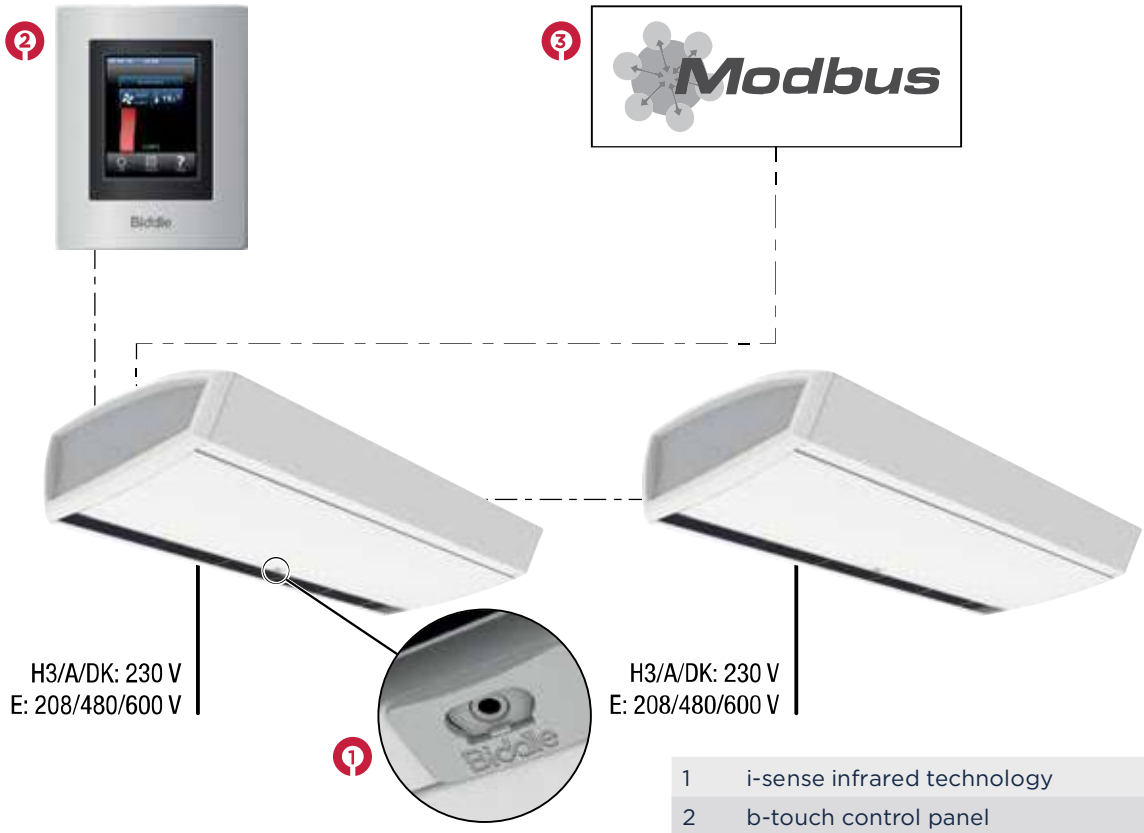
	Situation					
	Favourable		Normal		Unfavourable	
	Door height					
Type	cm	in	cm	in	cm	in
S	<240	<95"	<220	<85"	-	-
M	<280	<110"	<250	<100"	<220	<85"
L	<330	<130"	<300	<120"	<280	<110"

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.



1	i-sense infrared technology
2	b-touch control panel
3	Modbus communication

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 S '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.

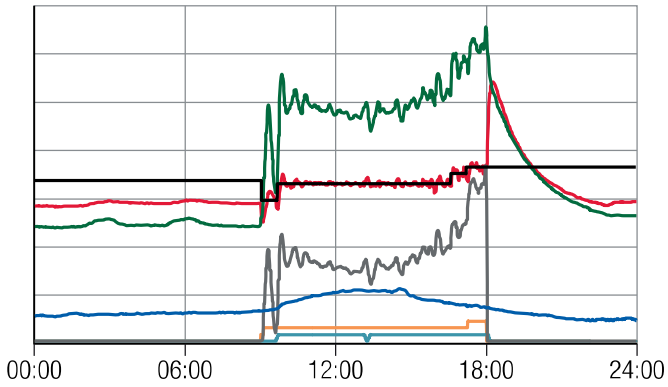
The b-touch can also be used as a component of a complete climate system. For instance, the Modbus BMS local operations via the b-touch and central management actively functions simultaneously. A single b-touch can be used to control a maximum of 10 units.

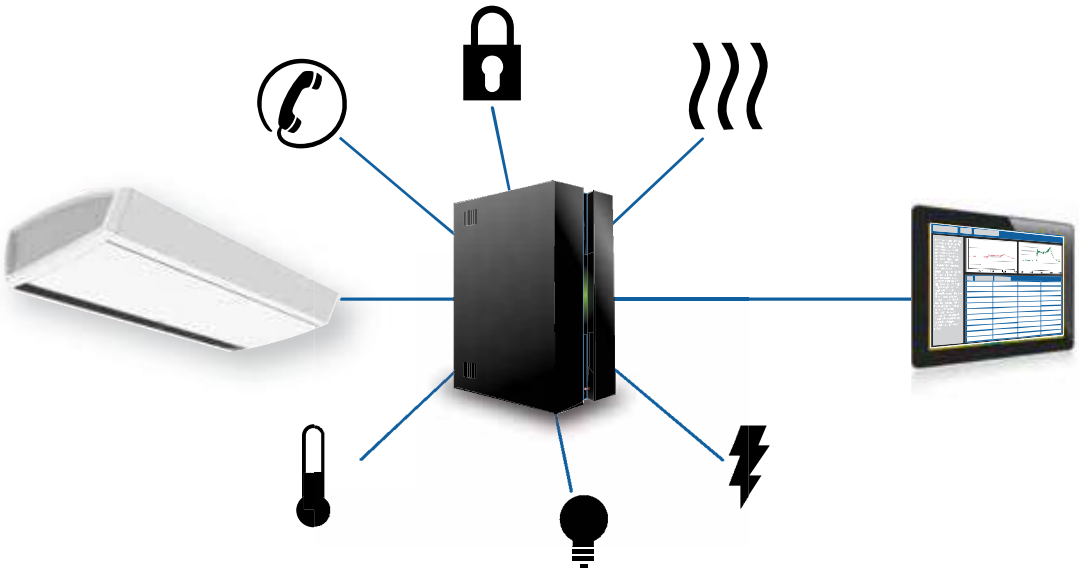
CONTROL FEATURES:

- 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

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.

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

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 Δp = 0.5 bar, and with L Δp = 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

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).

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).

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).

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]
ΔT_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).

ΔP_{w1} = water pressure loss, table values [kPa]
ΔP_{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	

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^3/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^3/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^3/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
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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					
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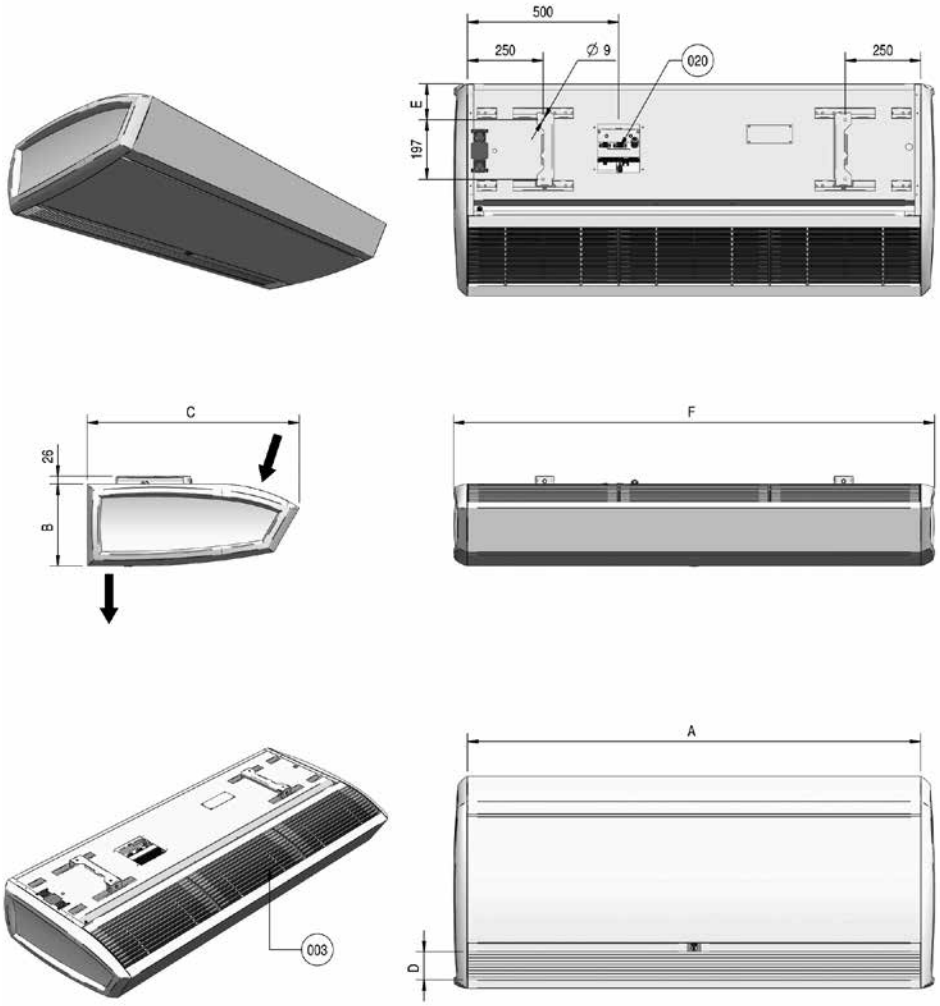
FREE HANGING MODEL - METRIC



	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.

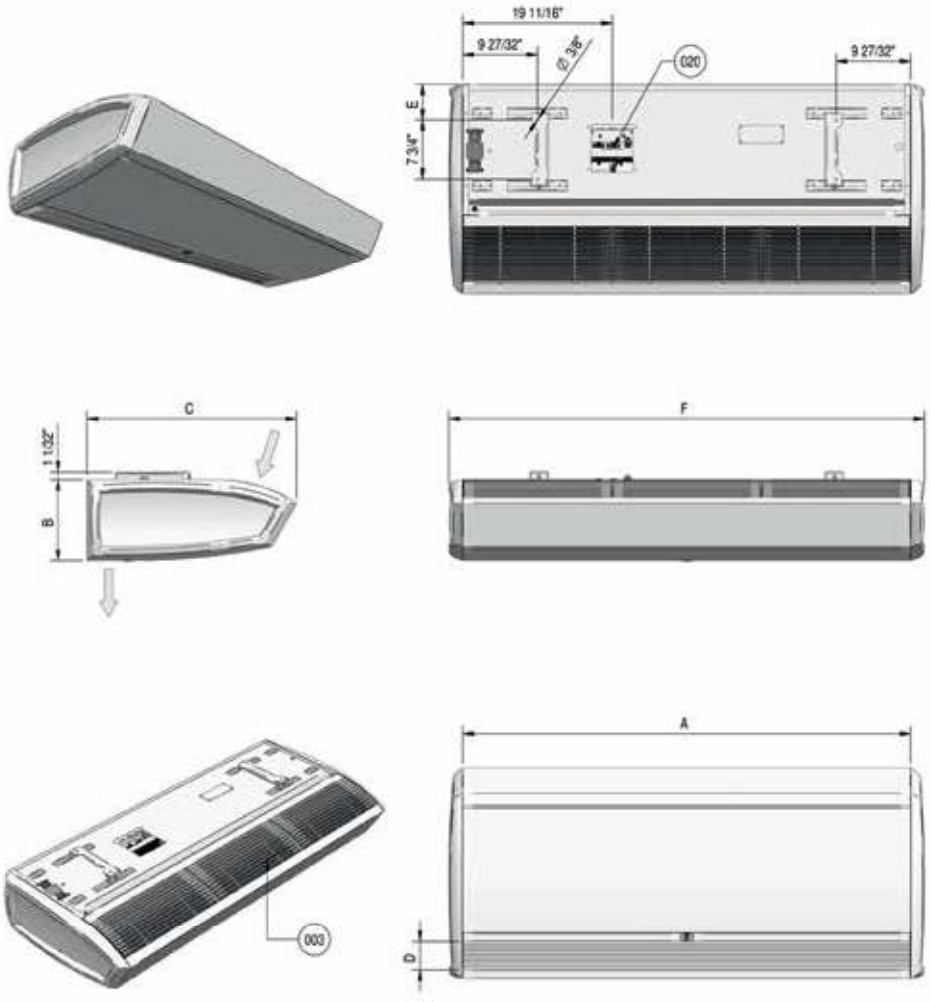
Wall suspension brackets and threaded rod covers
- Material of threaded rod covers: zinc coated steel, painted, to a standard colour of RAL 9016 or RAL 9006.

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 21/32"	4 11/16"	43 1/32"
SR S / M 150	59 1/16"	10 5/8"	27 5/8"	3 21/32"	4 11/16"	62 23/32"
SR S / M 200	78 3/4"	10 5/8"	27 5/8"	3 21/32"	4 11/16"	82 13/32"
SR S / M 250	98 7/16"	10 5/8"	27 5/8"	3 21/32"	4 11/16"	102 3/32"
SR L 100	39 3/8"	14 9/16"	37"	4 21/32"	7 7/8"	44 13/16"
SR L 150	59 1/16"	14 9/16"	37"	4 21/32"	7 7/8"	64 1/2"
SR L 200	78 3/4"	14 9/16"	37"	4 21/32"	7 7/8"	84 3/16"
SR L 250	98 7/16"	14 9/16"	37"	4 21/32"	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.
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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
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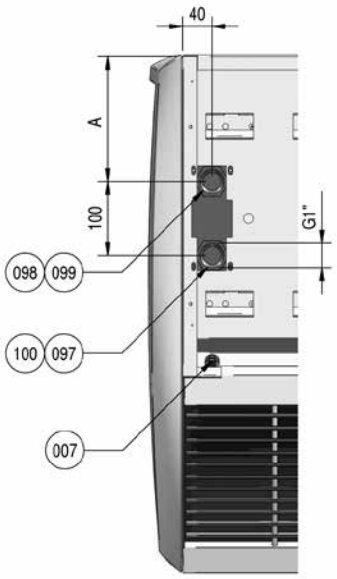
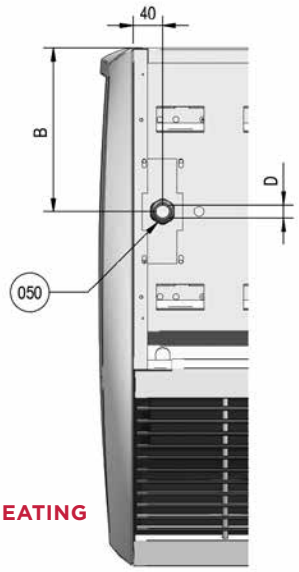
36-Eye bolt M6. **7**-Air vent. **50**-Gland. **97**-Return (S/M). **98**-Return (L). **99**-Supply (S/M). **100**-Supply (L).
12-Pipework. **87**-Threaded rod covers (position is flexible).

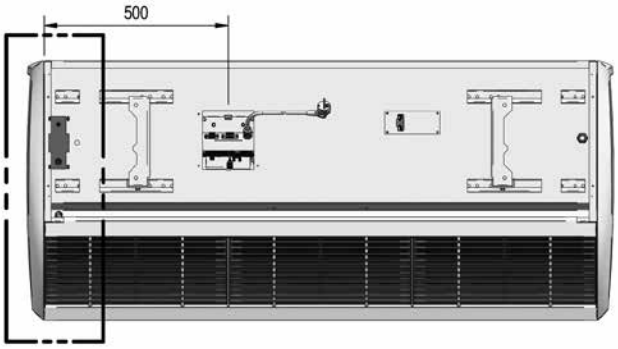
CONNECTIONS - METRIC



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) 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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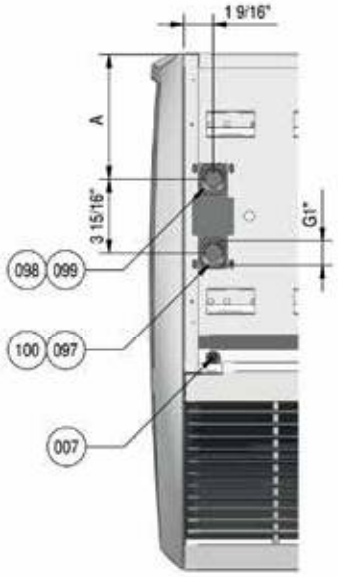
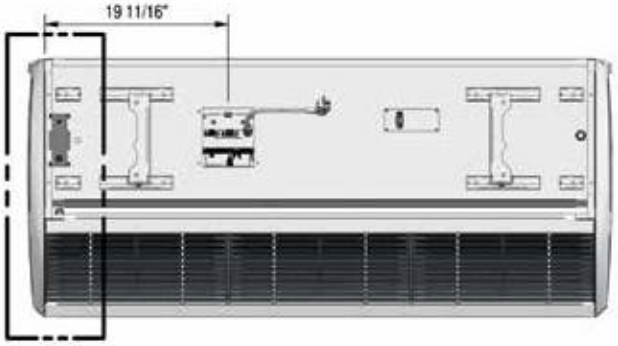
CONNECTIONS - IMPERIAL



WATER

ELECTRIC HEATING



	A	B	D
SR S 100 / SR S 150	6 11/16"	8 21/32"	PG21
SR S 200 / SR S 250	6 11/16"	8 21/32"	PG21
SR M 100 / SR M 150	6 11/16"	8 21/32	PG21
SR M 200 / SR M 250	6 11/16"	8 21/32	PG29
SR L 100	9 21/32"	11 5/8"	PG21
SR L 150	9 21/32"	11 5/8"	PG29
SR L 200 / SR L 250	9 21/32"	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:
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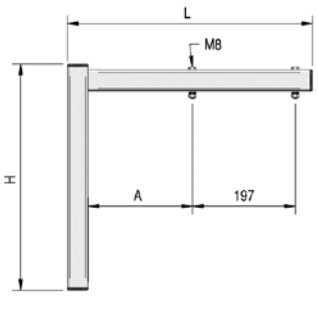
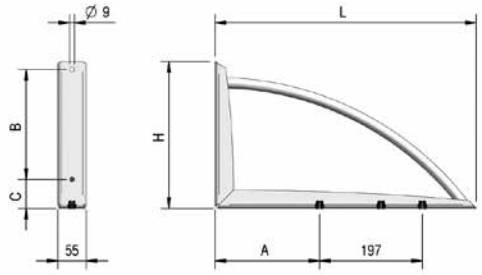
WALL SUSPENSION BRACKETS - METRIC

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) x (C+8) mm.
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- for air discharge (A+8) x (D+8) mm
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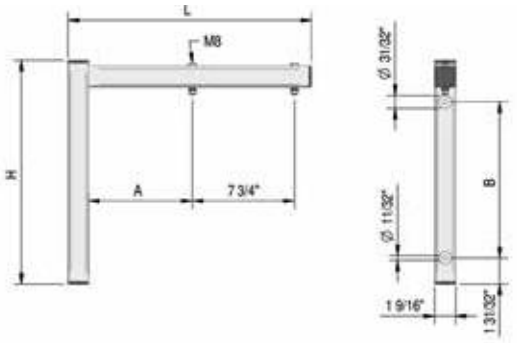
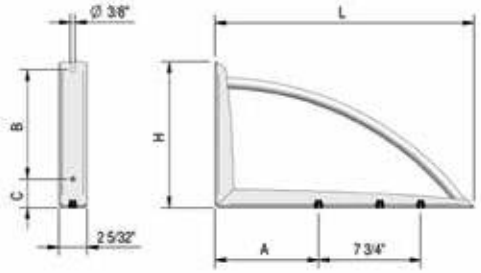
WALL SUSPENSION BRACKETS - IMPERIAL

STANDARD



	L	H	A	B
SR S / M	15 5/16"	13"	4 11/16"	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 11/16"	7 15/32"	1 3/8"
SR L	19 11/16"	11 1/32"	7 1/8"	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.
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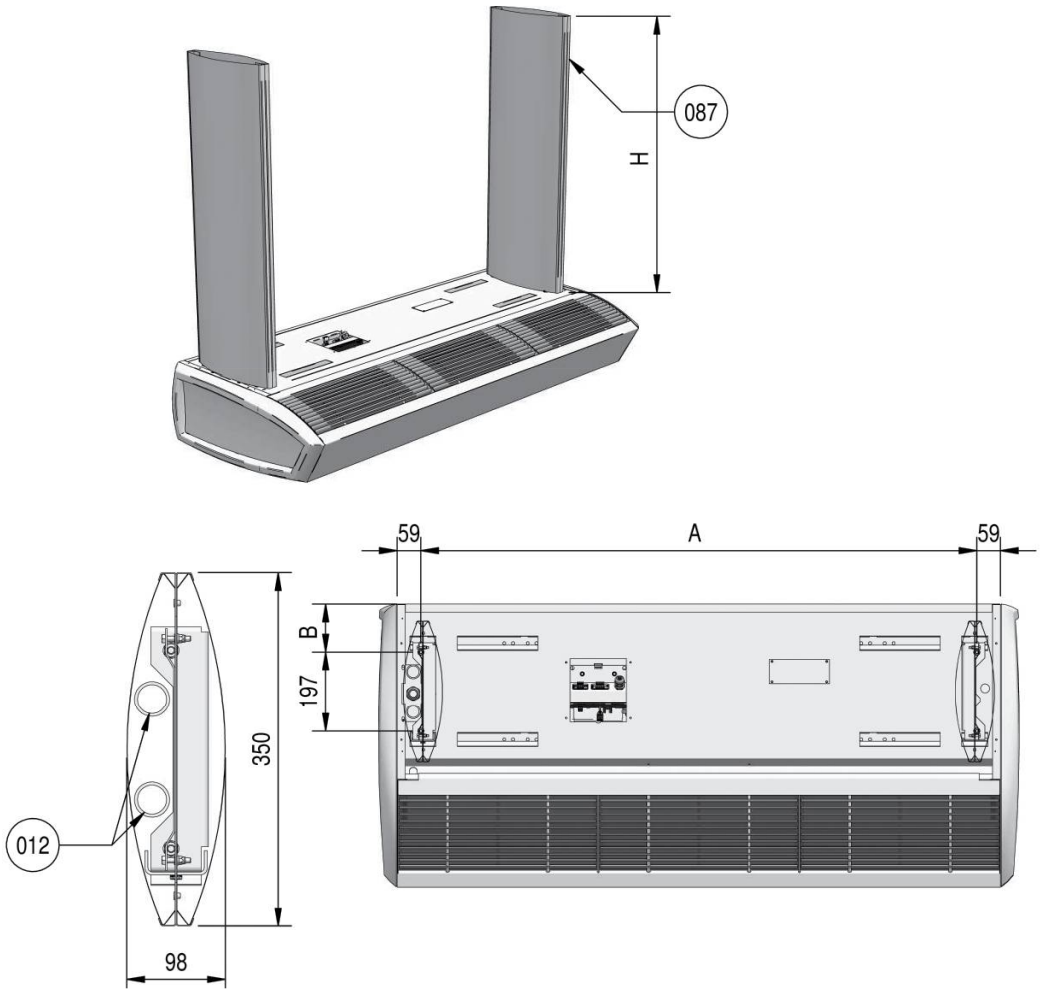
THREADED ROD COVERS - METRIC



	A	B
SR 100	882	119 (S/M) 200 (L)
SR 150	1382	
SR 200	1882	
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.
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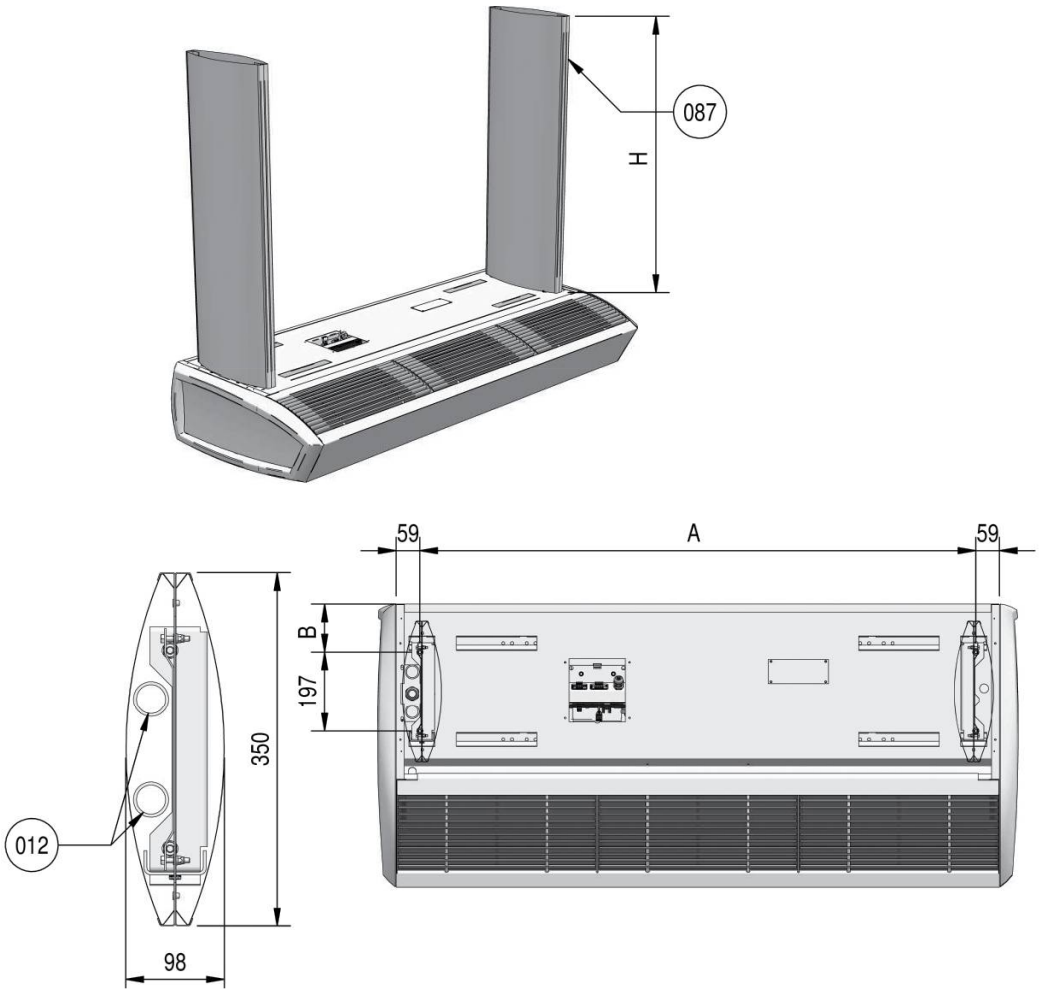
THREADED ROD COVERS - IMPERIAL



	A	B
SR 100	34 23/32"	4 11/16" (S/M) 7 7/8" (L)
SR 150	54 13/32"	
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

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