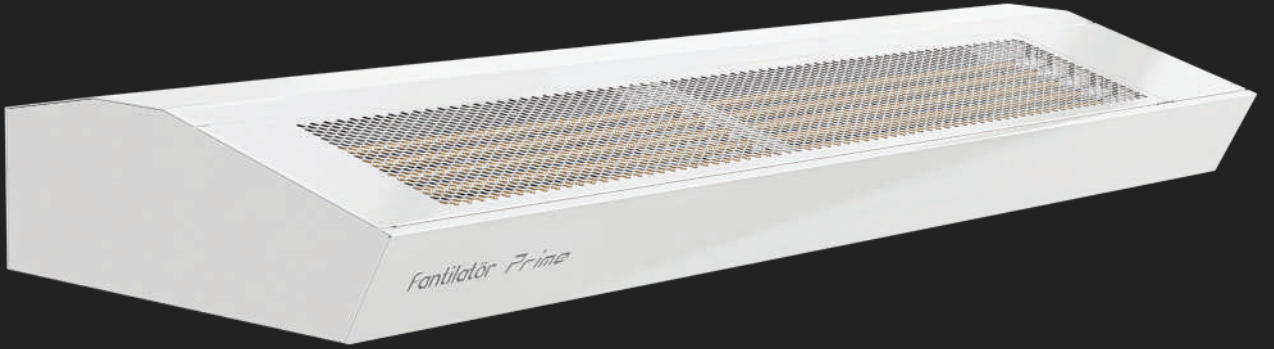


Prime

ARGAS
GROUP

Fantilatör



Air Curtain Catalogue



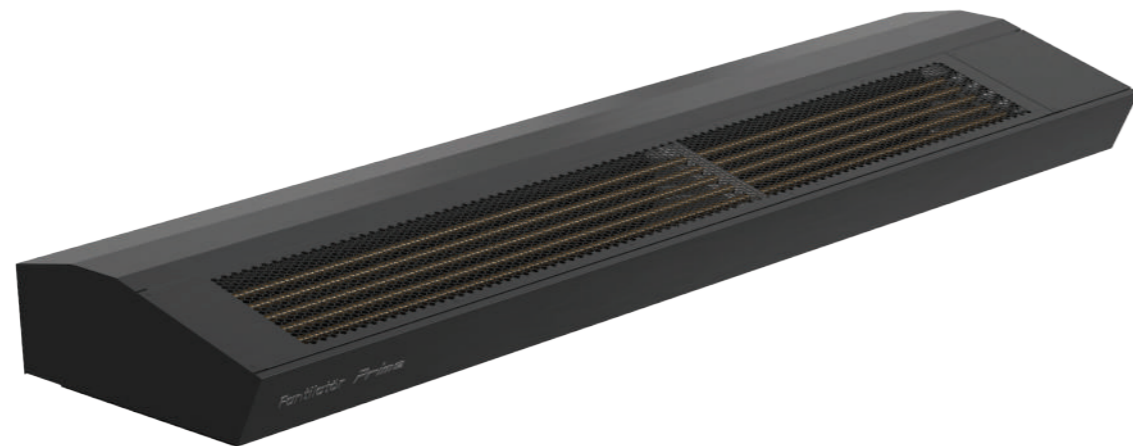
www.argasgroup.com

PRIME DOOR SERIES

Design

PRIME DOOR air curtains feature a sleek design, measuring as slim as 17 cm in height, thanks to the use of efficient design methods and innovative product design. The intake grille of the PRIME DOOR series air curtain is positioned at the top of the device in line with its modern design. The adjustable air discharge grille allows for more precise direction of the air barrier when needed. The 140 mm diameter cross-flow fan used inside the product enables high air flow and a blowing distance (installation height) of up to 5 meters. The detachable intake grille, with its superior design, provides easy cleaning and maintenance.

Quality



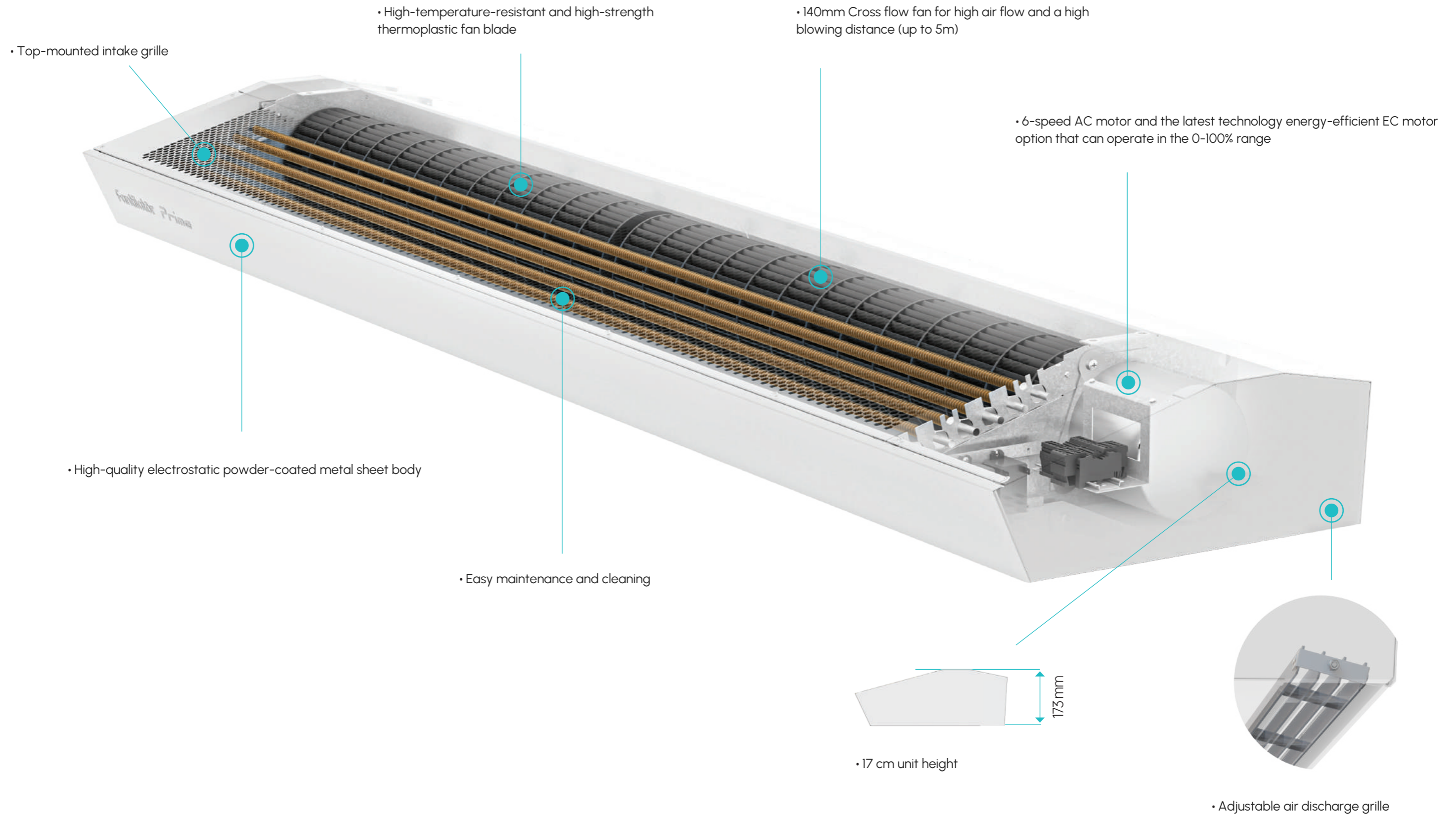
Every component of PRIME DOOR air curtains is manufactured from high-quality materials. The sheet metal body of the PRIME series is coated with an electrostatic powder coating process, providing the highest level of resistance to corrosion and heat. PRIME DOOR air curtains have a sturdy structure with long-lasting material and mechanical features. They will serve as both functional and visual complements to your indoor spaces for many years. The cross-flow fan, made from high-temperature-resistant thermoplastic material, possesses high resistance and durability against heat. The motors driving the 140 mm diameter fan come with 6-speed AC motor and energy-efficient proportional EC motor alternatives.



Energy

PRIME DOOR air curtains offer a choice between a 6-speed AC motor and energy-efficient proportional EC motor alternatives. Depending on the selected model and control option, they come with 6 fan speeds and 3 electric heating levels. Mechanical or Digital Thermostat controls are available. The digital thermostat control allows for automatic operation settings, enhancing the energy efficiency of the air curtain by ensuring it operates according to the specific needs. Particularly, the EC motor option, with its speed settings ranging from 0% to 100%, helps in more efficient control of energy consumption.

PRIME DOOR SERIES



PRIME DOOR SERIES

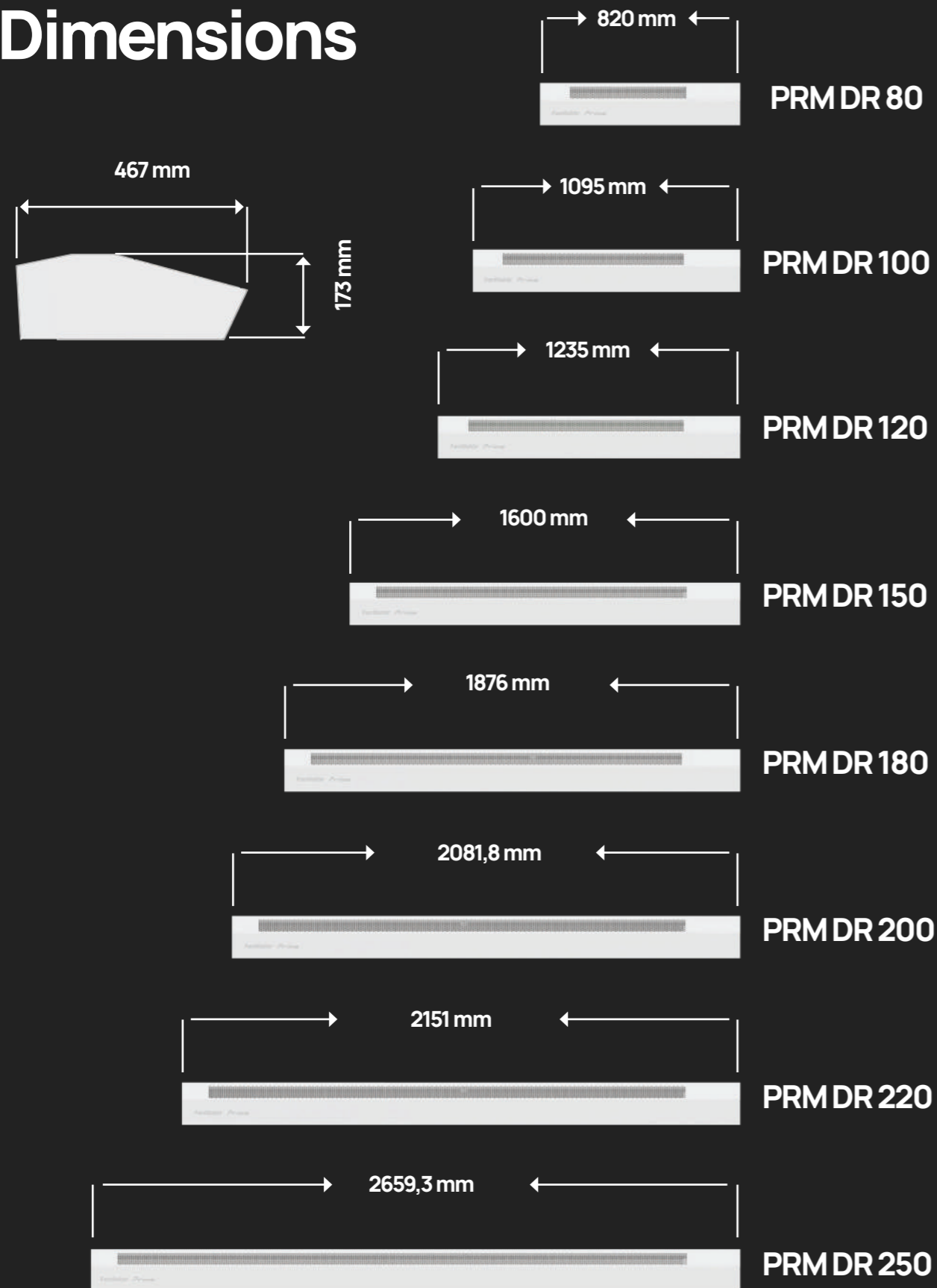
Electric Heater
PRM DR 80...250 E



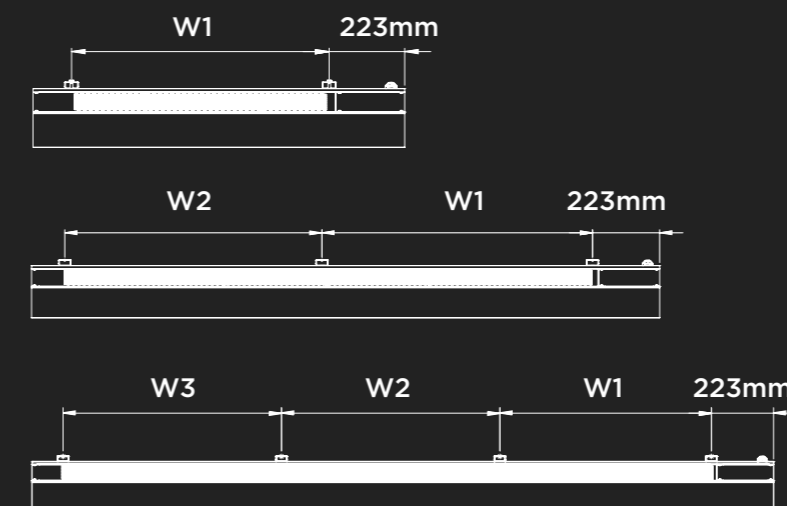
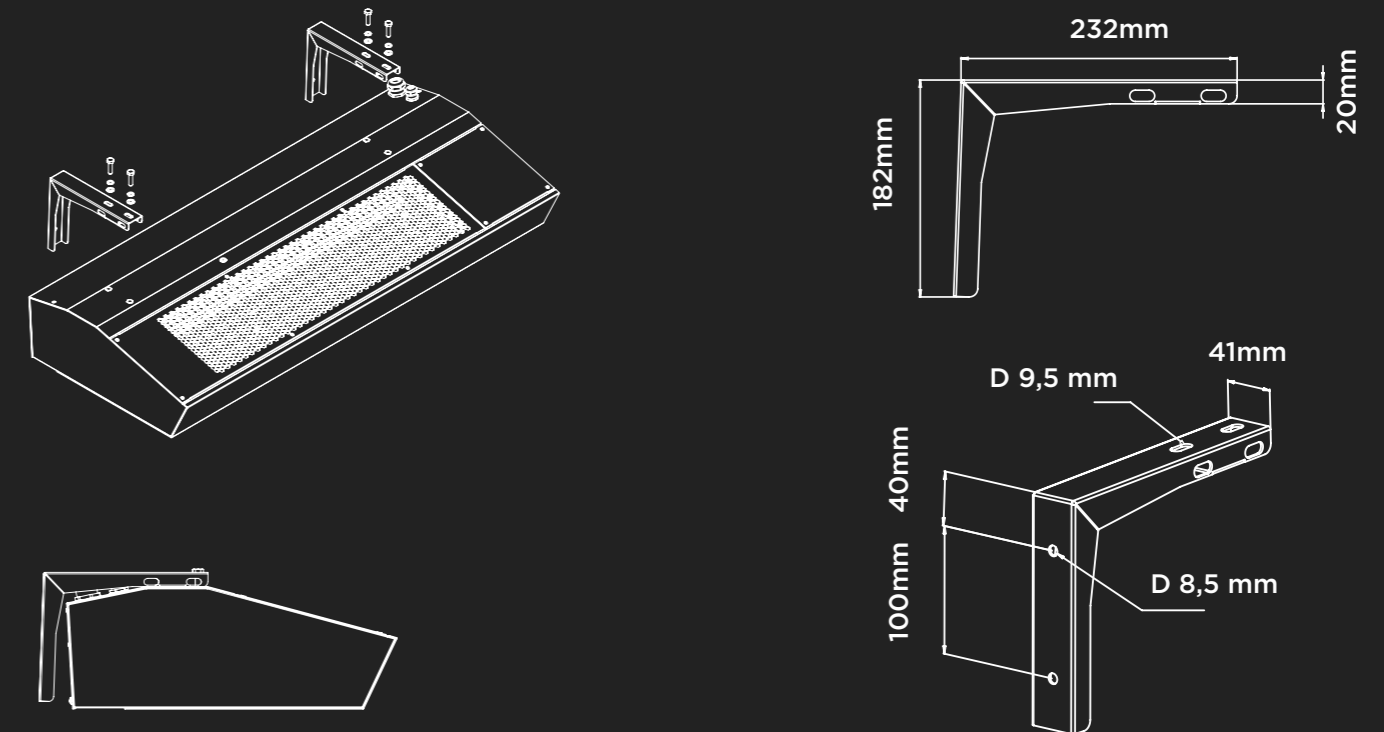
Ambient (Without Heating)
PRM DR 80...250 N



Air Curtain Dimensions



INSTALLATION MEASUREMENT DETAILS



	W1 mm	W2 mm	W3 mm
PRIME DR 80	485	-	-
PRIME DR 100	760	-	-
PRIME DR 120	898	-	-
PRIME DR 150	760	507	-
PRIME DR 180	760	783	-
PRIME DR 200	898	852	-
PRIME DR 220	898	921	-
PRIME DR 250	760	783	783

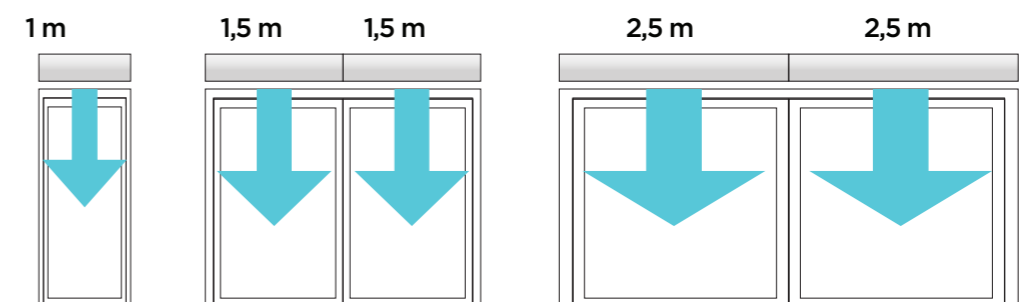
INSTALLATION Options



PRIME DOOR air curtains are designed to be compatible with all types of doors. They can be installed vertically or horizontally depending on the physical layout of the space. For wide door dimensions, it is possible to mount multiple devices side by side or on top of each other, with control from a single remote.

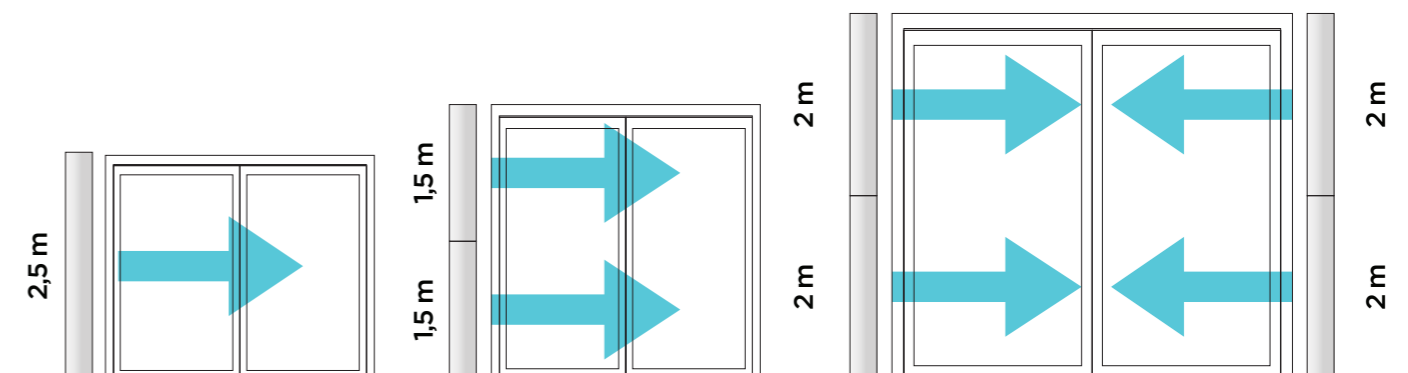


Horizontal Usage



Blowing Distance of Up to 5 Meters

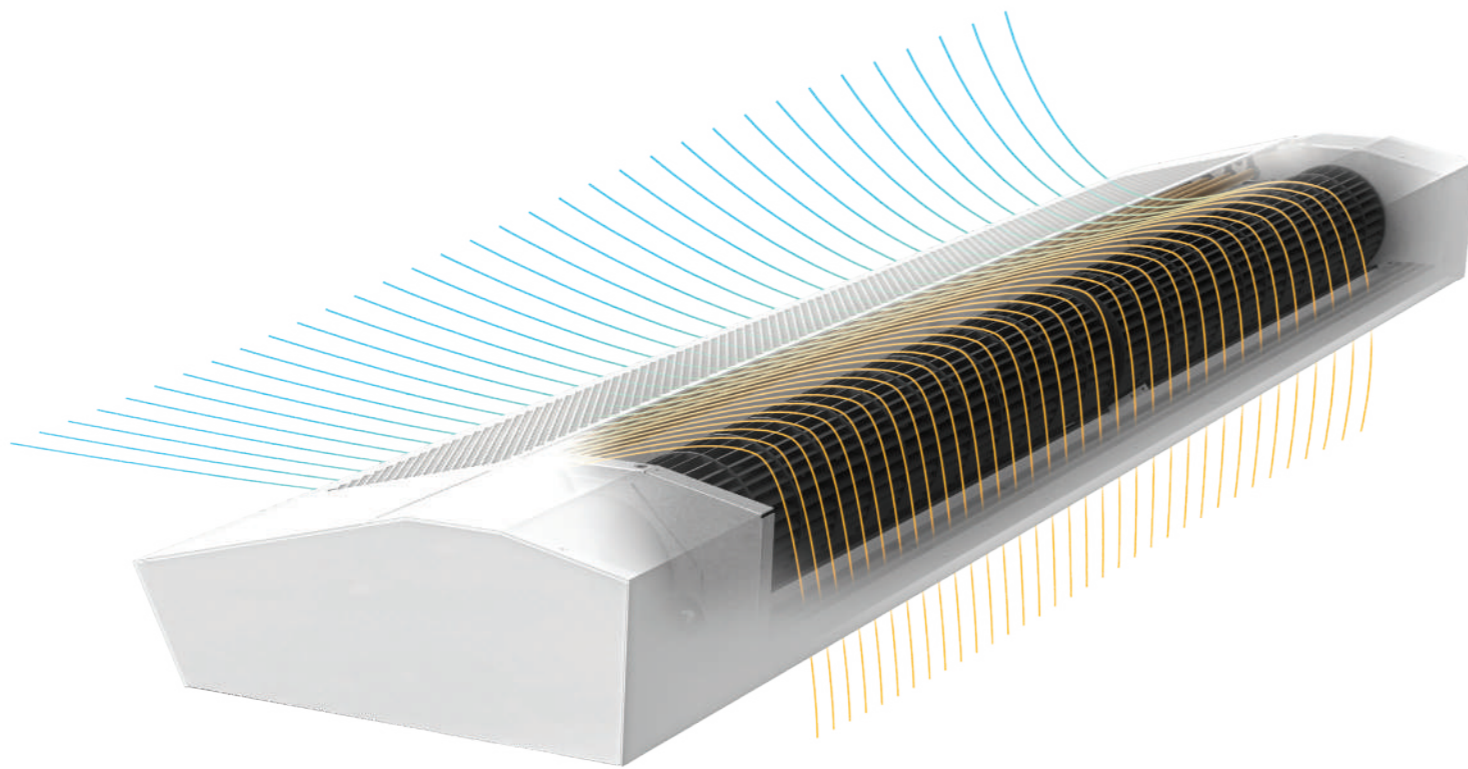
Vertical Usage



Blowing Distance of Up to 5 Meters

Powerful Performance,
Elegant Design

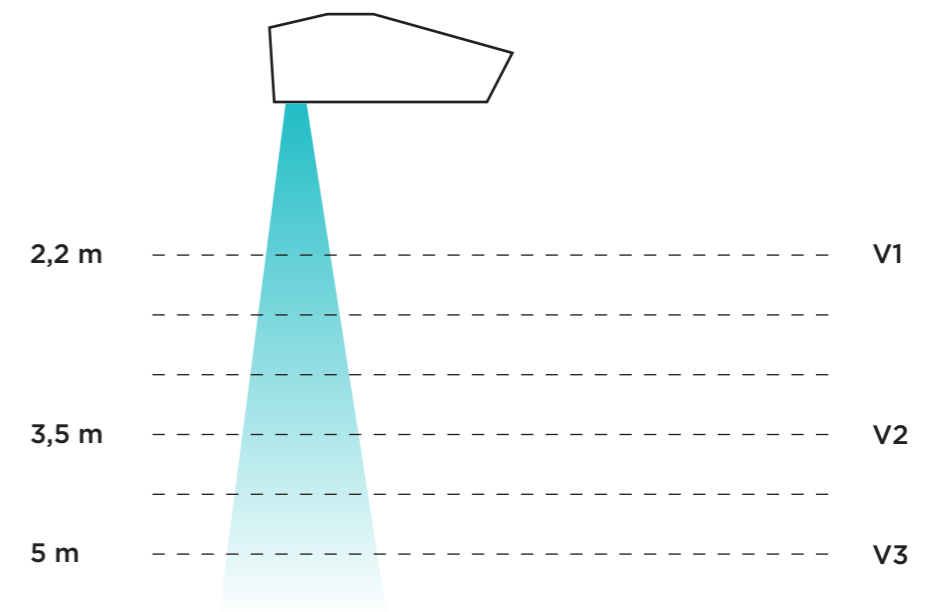
PRIME DOOR SERIES



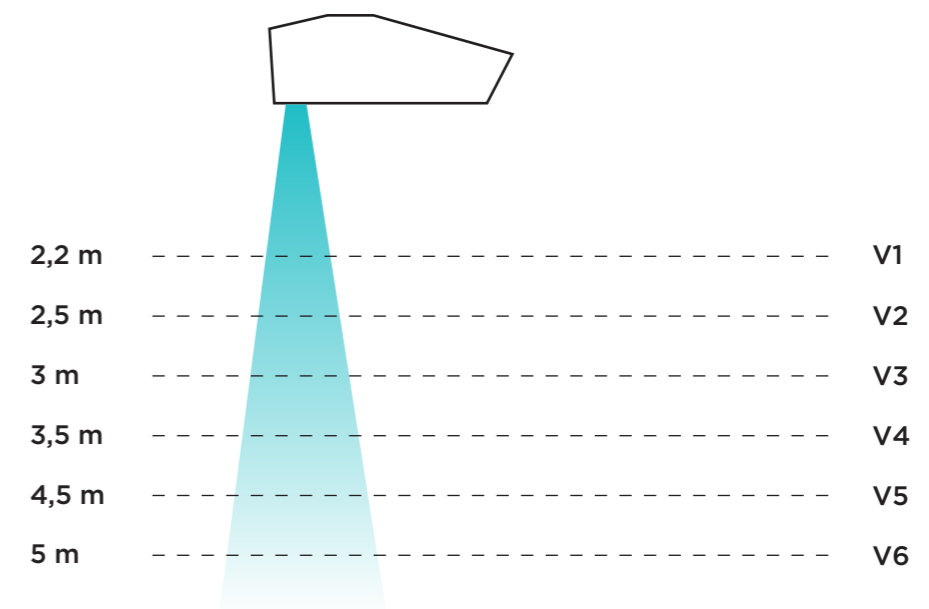
The 140mm cross-flow fan used inside the product brings with it high air flow and a high blowing distance (installation height) of up to 5 meters.

Blowing Distance

Mechanical Thermostat Control

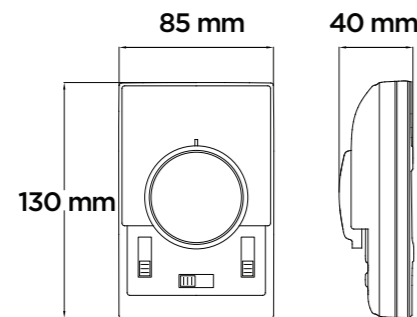


Digital Thermostat Control



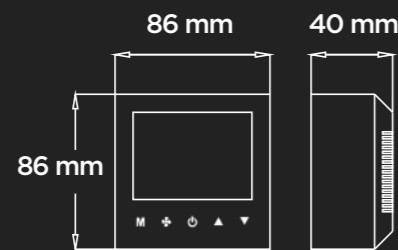
Control Options

Mechanical Thermostat Control



The Mechanical Thermostat Control allows for easy and convenient control of the PRIME DOOR air curtain. The air curtain offers three fan speeds, allowing the airflow to be adjusted as desired. Additionally, it provides two heating levels, offering users two different comfort options and the opportunity for energy savings. With its thermostat feature, it maintains the preset room temperature. Its compact and elegant design makes it easy to install. You can integrate the Prime Door Air Curtain with the door through a door switch, enabling energy savings.

Digital Thermostat Control



The Digital Thermostat Control offers safe operation with a 24 V power supply, combining a touch-sensitive interface and stylish design for an aesthetic appearance. It features six-speed fan control and three heating level options and functionalities. Additionally, it is compatible with building automation systems like MODBUS and provides scheduling programming based on a timer. The digital thermostat control has three main control modes as listed below:

Door Mode: Activates and deactivates the air curtain based on the door switch.
Room Mode: Operates the air curtain based on the set indoor temperature.
Door Efficient Mode: Operates the air curtain based on both the door switch and the indoor temperature set on the room thermostat.
These three control modes cater to users' automatic operation needs while ensuring effective energy savings.

PRIME DOOR Technical Table

Electrically Heated Air Curtains

Model	Door Width	Door Height	Air Flow Rate	Air Outlet Velocity	Heater Capacity	Motor Power	Device Current Draw	Circuit Breaker	Power Cable Cross-Section	Residual current circuit breaker	Power Supply	Noise Level	Device Dimension	Weight
	m	m	m³/h	m/s	kW	kW	A	A	HFFR	mA	V/Ph/Hz	dB	mm	kg
PRMDR080-E03	0,8	5	1850	11-13	3	0,235	5	25	5x4	30 mA AC Type	~400/3/50	40-56	820	24
PRMDR080-E05	0,8		1850		5	0,235	8	25	5x4			40-56	820	26
PRMDR080-E06	0,8		1850		6	0,235	10	25	5x4			40-56	820	26
PRMDR100-E06	1		2300		6	0,235	9	25	5x4			40-56	1095	27
PRMDR100-E09	1		2300		9	0,235	15	25	5x4			40-56	1095	29
PRMDR100-E12	1		2300		12	0,235	18	32	5x4			40-56	1095	29
PRMDR120-E09	1,2		2550		9	0,235	14	32	5x4			40-56	1235	30
PRMDR120-E12	1,2		2550		12	0,235	18	32	5x4			40-56	1235	32
PRMDR120-E15	1,2		2550		15	0,235	24	32	5x4			40-56	1235	32
PRMDR150-E12	1,5		3900		12	0,375	18	32	5x4			40-60	1600	37
PRMDR150-E15	1,5		3900		15	0,375	24	32	5x4			40-60	1600	40
PRMDR150-E18	1,5		3900		18	0,375	27	40	5x6			40-60	1600	40
PRMDR180-E15	1,8		4750		15	0,58	23	32	5x4			45-62	1876	42
PRMDR180-E18	1,8		4750		18	0,58	27	40	5x4			45-62	1876	46
PRMDR180-E21	1,8		4750		21	0,58	32	40	5x6			45-62	1876	46
PRMDR200-E15	2		5350		15	0,58	23	32	5x4			45-62	2081	46
PRMDR200-E18	2		5350		18	0,58	27	40	5x6			45-62	2081	50
PRMDR200-E21	2		5350		21	0,58	32	40	5x6			45-62	2081	50
PRMDR220-E12	2,2		5900		12	0,58	18	32	5x4			50-62	2150	51
PRMDR220-E21	2,2		5900		21	0,58	33	40	5x6			50-62	2150	55
PRMDR220-E24	2,2		5900		24	0,58	38	50	5x6			50-62	2150	55
PRMDR250-E12	2,5		7100		12	0,75	20	32	5x4			50-63	2659	59
PRMDR250-E21	2,5		7100		21	0,75	34	40	5x6			50-63	2659	63,5
PRMDR250-E24	2,5		7100		24	0,75	41	50	5x6			50-63	2659	63,5

Ambient Air Curtains (Without Heating)

Model	Door Width	Door Height	Air Flow Rate	Air Outlet Velocity	Heater Capacity	Motor Power	Circuit Breaker	Power Cable Cross-Section	Residual current circuit breaker	Power Supply	Noise Level	Device Dimension	Weight
	m	m	m³/h	m/s	kW	A	A	HFFR	mA	V/Ph/Hz	dB	mm	kg
PRMDR080-N	0,8	5	1850	11-13	0,235	1	16	3x2.5	30 mA AC Tip	~230/1/50	43-59	820	23
PRMDR100-N	1		2300		0,235	1,2	16	3x2.5			43-59	1095	26
PRMDR120-N	1,2		2550		0,235	1,4	16	3x2.5			43-59	1235	28
PRMDR150-N	1,5		3900		0,375	1,9	16	3x2.5			44-63	1600	35
PRMDR180-N	1,8		4750		0,58	2,4	16	3x2.5			48-65	1876	39,2
PRMDR200-N	2		5350		0,58	2,5	16	3x2.5			48-65	2081	42,8
PRMDR220-N	2,2		5900		0,58	2,6	16	3x2.5			53-65	2150	43
PRMDR250-N	2,5		7100		0,75	2,6	16	3x2.5			53-66	2659	56

Accessories



Door Switch

The Prime Door Air Curtain can operate in conjunction with the door when a door switch is used, especially when combined with the Digital Thermostat Control option.

- Prismatic metal body with a cover
- PG13.5 or M20x1.5 cable gland
- Replaceable contact block
- 1 cable entry
- External connection holes

Color Options

PRIME DOOR air curtains offer the opportunity to customize the atmosphere of your space with various color options. Color significantly influences the overall feel and style of a space. That's why the range of color options available in the PRIME DOOR series makes it easier for you to layer your desired ambiance into your space.

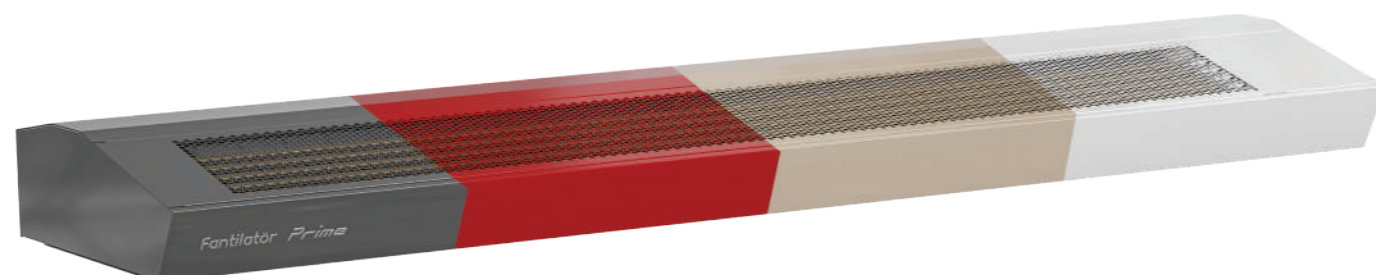
White: Manufactured as standard in RAL 9003 gloss. White represents cleanliness, simplicity, and professionalism. It's a preferred choice in many commercial spaces, from offices to retail stores. The universal appeal of white complements any type of decor.

Anthracite Gray: Manufactured as standard in RAL 7016 gloss. Gray, a favorite in modern space designs, offers a minimalist aesthetic. It's an excellent choice for those looking to create an elegant and contemporary atmosphere. Gray may be the preference for those seeking a sophisticated and stylish style.

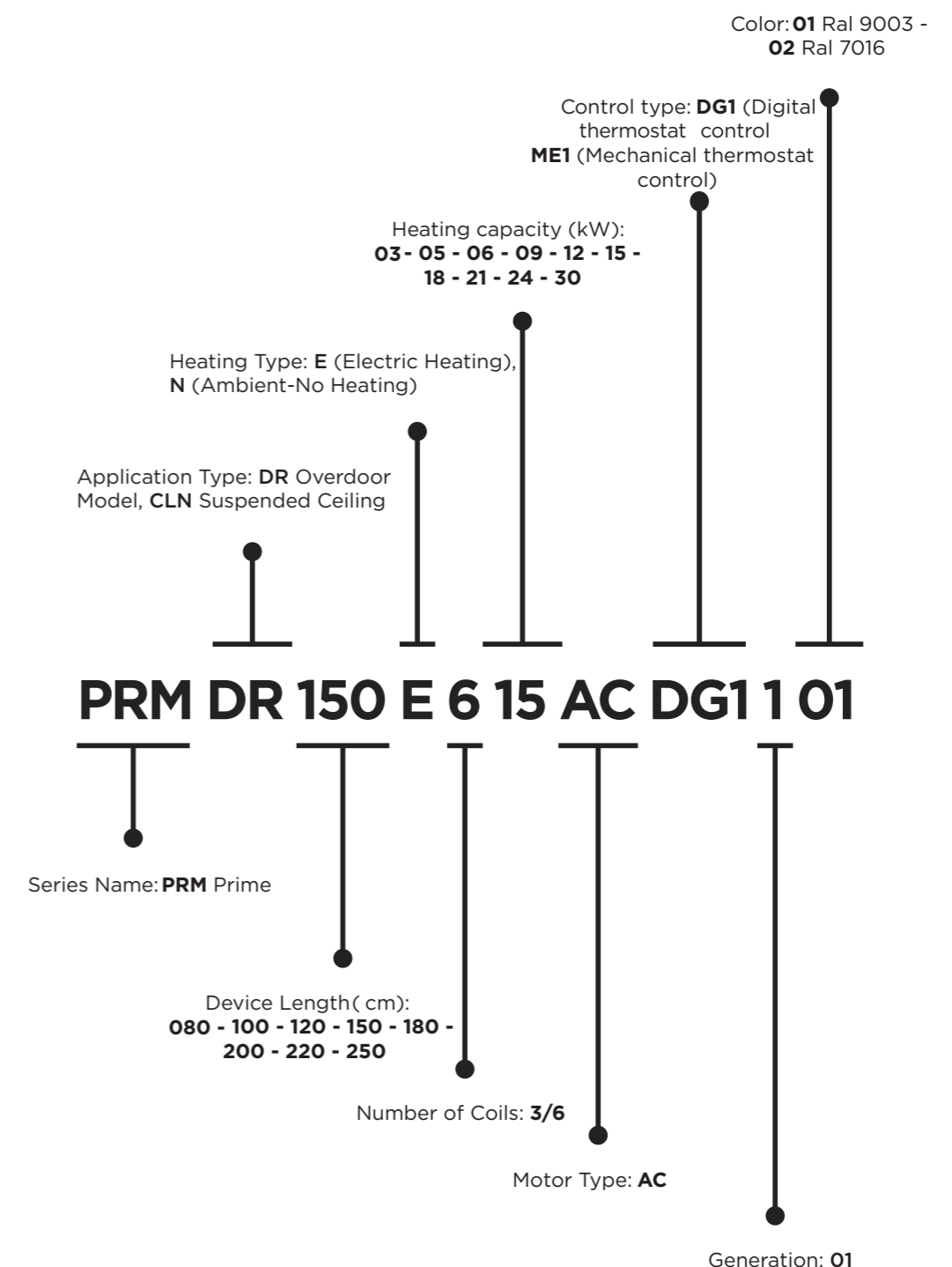
Custom Colors: Alternative color options to match your own space design concept can be produced upon request. This option allows you to fully personalize your space and achieve a unique look.

FANTILATOR PRIME DOOR air curtains help you not only add functionality but also an aesthetic touch to your space with color options. Our color choices allow you to reflect your space's character and create an atmosphere suitable for its purpose. When determining which color is right for you, you can consider the intended use of your space and your design philosophy.

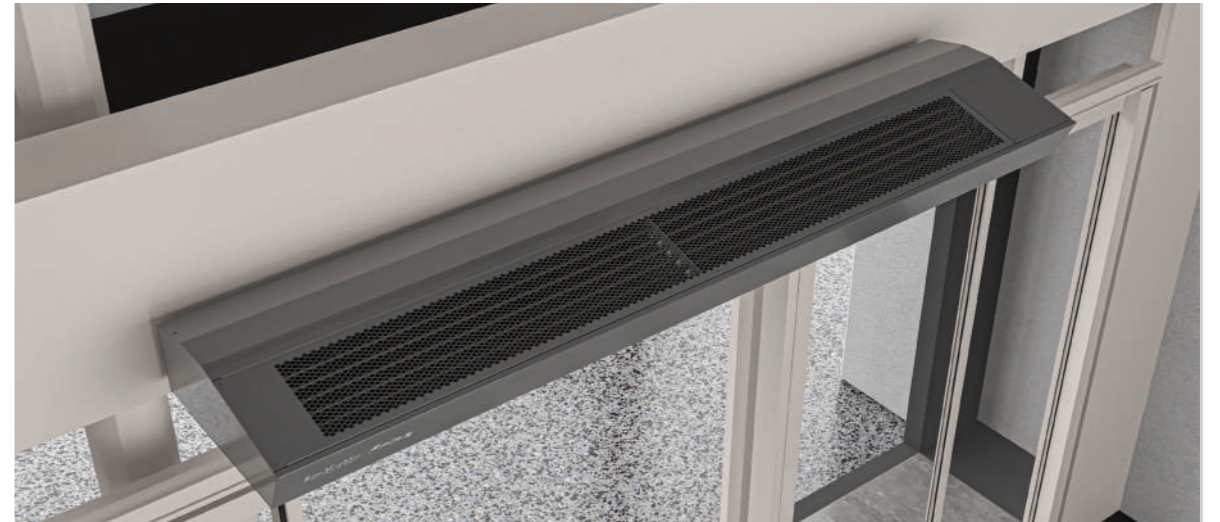
Customized color options to suit your projects

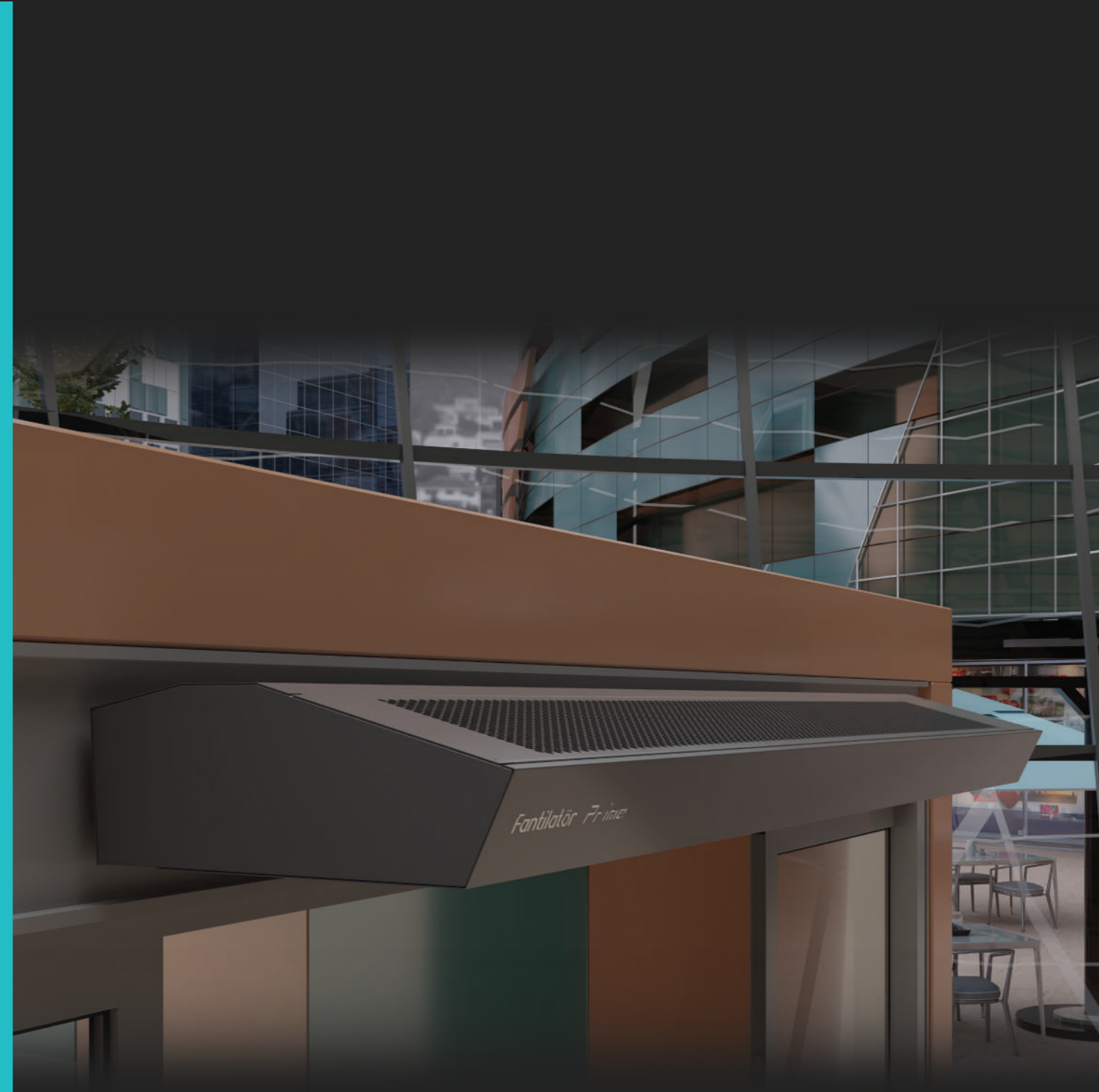


Code Expansion



Example Use Cases





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