



MISTRAL FRESH AIR UNITS:
When fresh air matters!



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The MISTRAL range delivers comfort, health, and efficiency to demanding indoor environments. Engineered with AERA's expertise, these units provide a reliable supply of clean, conditioned outdoor air- essential where exhaust systems in kitchens, bathrooms, and service areas must be balanced with fresh replacement air.

Two Families, One Purpose: Pure Comfort

MISTRAL Sky – ceiling-mounted fresh air units meeting air demand from 400 to 4,000 m³/h, designed for seamless integration into suspended ceilings without compromising aesthetics.

MISTRAL AURA – free-standing fresh air units for larger applications, supplying 4,000 to 8,000 m³/h with flexibility, power, and ease of installation.

Air Quality & Filtration Excellence

Standard filters ensure healthy indoor air, while optional ePM1 80% filtration captures ultrafine particles to protect occupant well-being and meet stringent indoor air quality standards.

All-Season Climate Conditioning

Heating: Raise outdoor air to comfortable room conditions, even in the coldest climates.

Cooling: Deliver pleasantly cooled fresh air during summer months for lasting comfort. Mistral is compatible with various Air Conditioning manufacturers AHU kit to fit into flexible DX Systems.

Built for Demanding Spaces

From hospitality and retail venues to commercial kitchens, bathrooms, and offices, MISTRAL ensures indoor air balance with energy-efficient performance, quiet operation, and easy service access.

Why Choose MISTRAL?

Airflow ranges from 400 to 8,000 m³/h across two versatile product families.

Designed for year-round comfort conditioning.

Optimized for energy efficiency and reliability.

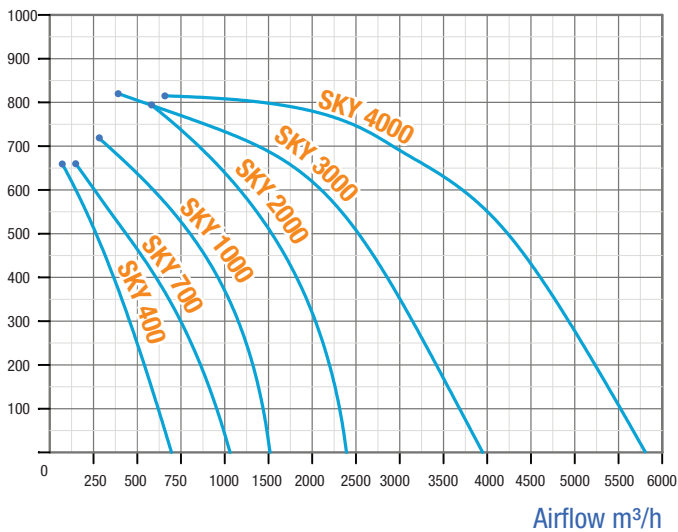
Backed by AERA's commitment to innovation and sustainability.

					ACCESSORIES									
MISTRAL	Casing	Filter Type	Power Supply ⁽¹⁾	Controls	Electrical pre-heater	Electrical after-heater	Water Heater	Water Cooler	Damper	epM1 80% Filter	DX Changeover	Weather Kit	Constant Flow	Constant Pressure
SKY 04	30 mm Mineral Wool insulated Panels	epM1 60%	230V, 1ph*	Senso+	+	+	-	+	-	+	+	-	+	+
SKY 07			380V, 1ph	Senso+	+	+	-	+	-	+	+	-	+	+
SKY 10			380V, 1ph	Senso+	+	+	+	+	+	+	+	+	+	+
SKY 20			380V, 1ph	Senso+	+	+	+	+	+	+	+	+	+	+
SKY 30			380V, 1ph	Senso+	+	+	+	+	+	+	+	+	+	+
SKY 40			380V, 1ph	Senso+	+	+	+	+	+	+	+	+	+	+
AURA 60	60 mm Rock Wool Insulated Panels	epM1 60%	380V, 1ph	Senso+	+	+	+	+	+	+	+	+	+	+
AURA 80			380V, 1ph	Senso+	+	+	+	+	+	+	+	+	+	+

*When configured without an electrical heater, these units can also run with 230V, 1ph

SKY

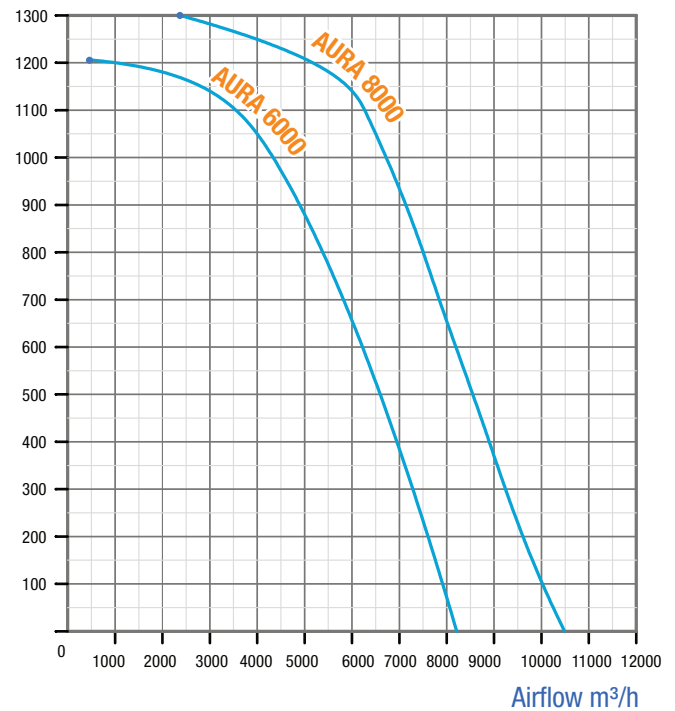
Static Pressure Pa



Note : The provided performance curves represent the unit's maximum operating point and fan speed. Thanks to the EC fans and Mistral Fan Control system, the unit can be precisely adjusted to operate at any desired point within these limits.

AURA

Static Pressure Pa



Note : The provided performance curves represent the unit's maximum operating point and fan speed. Thanks to the EC fans and Mistral Fan Control system, the unit can be precisely adjusted to operate at any desired point within these limits.

SENSO+ Smart Control

Developed on AERA's control philosophy, SENSO+ combines advanced hardware with intelligent operating logic designed by AERA. It ensures optimal indoor comfort by managing all system components with precision.

Heating Coil Control & Frost Protection

For applications requiring supply air temperature increase or post-dehumidification reheating, SENSO+ precisely controls electrical heaters with binary step control logic and hot-water coils through proportional 2- or 3-way valves. In cold-climate operation, an integrated frost protection mechanism prevents the heating coil from freezing.

Cooling Coil Control

Chilled-water coil modules reduce supply-air temperature and remove excess humidity when required. SENSO+ operates these coils through proportional or on/off valve control, ensuring precise temperature and humidity management with high energy efficiency. SENSO+ can also manage DX Coils proportionally maintaining stable supply-air conditions under varying load demands.

User Interface & Connectivity

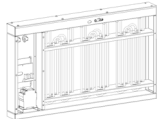
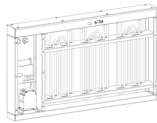

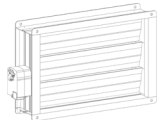
SENSO+ offers two control panel options: EVO ECO with tactile buttons or EVO TOUCH with a full-color touchscreen. Each controller includes a built-in web server, allowing users to monitor, adjust, and record performance data directly from any computer.

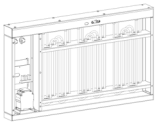
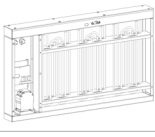
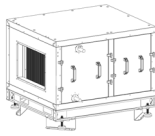

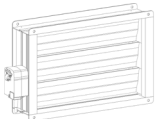
Through AERACloud, units can be securely accessed and managed online from anywhere — via PC, tablet, or smartphone — without complex network setup. Multiple devices can be grouped under a single dashboard for simultaneous monitoring and service control.

SENSO+ supports major communication protocols including BACnet and ModBUS as standard, with optional LONWORKS connectivity.

This ensures seamless integration with other HVAC equipment and building management systems worldwide.



		ACCESSORIES												
MODEL		SKY 400			SKY 700			SKY 1000				SKY 2000		
Electrical After-heater		1.2 kW	2 kW	5 kW	2.4 kW	5 kW	9 kW	2.4 kW	5 kW	9 kW	12 kW	6 kW	15 kW	21 kW
		1 Step	1 Step	2 Step	1 Step	2 Step	2 Step	1 Step	2 Step	2 Step	2 Step	2 Step	2 Step	3 Step
Pre-Heater		1.2 kW			2.5 kW			3.6 kW				7.5 kW		
		1 Step			1 Step			1 Step				1 Step		
Water After-heater(1)		- kW			- kW			14.4 kW				26.91 kW		
Water Cooler(2)		3.7 kW			6,7 kW			9.4 kW				19.5 kW		
DX Cooler (3)		3.5 kW			6.2 kW			8.7 kW				17.7 kW		
Constant Flow Kit								+				+		
Constant Pressure Kit		-			-			+				+		
ePM1 80% Filter		+			+			+				+		
Fresh Air Damper		-			-			+				+		
Outdoor Installation Kit		-			-			+				+		

MODEL		SKY 3000				SKY 4000			AURA 6000		AURA 8000	
Electrical After-heater		15 kW	21 kW	30 kW	39 kW	21 kW	27 kW	29 kW	55 kW		75 kW	
		2 Step	2 Step	3 Step	3 Step	2 Step	2 Step	3 Step	4 Step		4 Step	
Pre-Heater		10.5 kW				14.5 kW			22 kW		29 kW	
		1 Step				1 Step			Pwm		Pwm	
Water After-heater(1)		40.5 kW				55.5 kW			69.5 kW		92.9 kW	
Water Cooler(2)		28.7 kW				38.4 kW			51.5 kW		72.1 kW	
DX Cooler (3)		25.5 kW				36 kW			48.2 kW		65.2 kW	
Constant Flow Kit		+				+			+		+	
Constant Pressure Kit		+				+			+		+	
ePM1 80% Filter		+				+			+		+	
Fresh Air Damper		+				+			+		+	
Outdoor Installation Kit		+				+			+		+	

