

AS

Monoblock units suitable
for medium size coldrooms



- › Quick installation on the cold room wall
- › Extremely quick to install, reducing times and costs of installation
- › The white color of the evaporator blends discreetly with the walls of the cold room
- › Very compact and very efficient
- › Electronic control unit with easy-to-use user interface that can be programmed according to the different needs of the system



Two ranges of units suitable for medium size coldrooms

The AS series models are monoblock units characterized by extreme versatility of use.

Suitable for medium rooms, the AS products are divided into two ranges: the MAS for medium temperatures (max 157 m³ at Tc= +0°C, Tamb= +30°C) and the BAS for low temperatures (max 175 m³ at Tc= -20°C, Tamb= +30°C).

The compressor supplied is reciprocating hermetic and is contained, together with the evaporating and condensing unit, in a single epoxy powder-coated steel body making the machine compact, sturdy and easy to handle.

The hot gas defrosting with double solenoid valve is automatically programmed with cycle frequency, making the AS a stand-alone and reliable machine, without the need for recurring maintenance.

The condensation water evacuation pipe must be installed and linked to the drain located in the lower part of the the condensing part.

Crankcase heater and the speed variator for the condenser fans are available as standard, making the unit suitable to operate at low ambient temperatures.

The AS unit is managed through a programmed electronic control unit positioned on the electrical panel with a user interface that allows to set the desired temperature and operating parameters.

The through wall installation is easy and fast given the compactness of the machine and consists of one hole on the room wall to install the machine.

The AS range represents a refrigerating machine that responds to the requirements of commercial and semi-industrial use.

Standard configuration

- › Hermetic compressor
- › Power supply 380-400/3N~/50
- › Air condensation with axial fan
- › Condenser fan speed regulator with pressure control
- › Crankcase heater
- › Double defrost solenoid valve
- › 120mm panel
- › Filter on the liquid line
- › Four-pole condenser fan
- › Expansion through capillary tube
- › Separator/accumulator on suction line
- › Hot gas defrost
- › Refrigerant charge
- › Electronic control board
- › Switchboard with protection fuses
- › Adjustable Hp switch with automatic reset
- › Adjustable Lp switch with automatic reset
- › Condenser fan speed regulator with pressure control
- › Crankcase heater
- › Double defrost solenoid valve
- › 3m cable for power supply
- › 1m cold room light cable
- › 3m door micro switch cable



Personalization options and accessories

Power supply:

- › 220-230/1N~/50
- › 220-230/1N~/60
- › 220-230/3~/50
- › 220-230/3~/60
- › 440/3~/60
- › 380-400/3N~/60
- › 110-115/1N~/60
- › 460/3~/60

Accessories kit:

- › Audible and visual alarm
- › Remote control panel
- › Remote control panel for 2-3-4 units
- › Prearrangement for supervision system
- › Remote control panel for 2 units with alternating operation

Technical data



Code	MEDIUM TEMPERATURE UNITS				LOW TEMPERATURE UNITS		
	MAS430EB13XX	MAS535EB13XX	MAS545EB13XX	MAS660EB13XX	BAS450DB13XX	BAS560DB13XX	BAS680DB13XX
Refrigerant	R134a	R134a	R134a	R134a	R452A	R452A	R452A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	5	6,5	8,5	10	5	7,5	10
Defrost	Hot gas	Hot gas	Hot gas	Hot gas	Hot gas	Hot gas	Hot gas
PED category	1	2	2	2	2	2	2
Working temperature [°C]	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	+10 ÷ -5	-15 ÷ -25	-15 ÷ -25	-15 ÷ -25
Cooling capacity [Watt] [TC=0°C TA=30°C]	4.981	6.988	8.290	10.424	-	-	-
Cooling capacity [Watt] [TC=-20°C TA=30°C]	-	-	-	-	4.541	6.689	8.663

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ECPEN21-837B

09/2023



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