

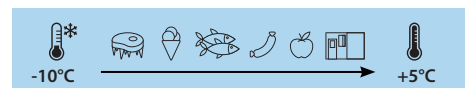


PS R290 monoblock is a smart choice for businesses that want an efficient and reliable refrigeration solution for their cold room.

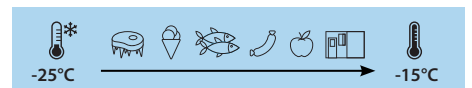
PS R290 Monoblock features

Standard equipment

- 50 Hz power supply
- CE certified
- Ambient working temperature: +5°C / +45°C
- Cold room working temperature: MT +10°C / -5°C | LT -15°C / -25°C
- MT and LT in separate models
- Hermetic reciprocating compressor
- Suitable for 100mm and 150mm panel
- Fin&tube condenser
- Fin&tube evaporator
- Filter dryer
- Thermal expansion valve
- Condensate evaporation tray with automatic elimination of condensation water
- Fixed calibration HP switch with automatic reset
- Hot gas defrost
- R290 refrigerant charge 150 gr max per circuit
- Electronic control board
- Master slave connection
- Serial output
- Predisposition for connection of "Man in cold room" alarm
- 5m cable for power supply
- 2m cold room lighting cable (Light bulb holder and bulb as option)
- 5m microswitch door cable (Microswitch as option)
- 5m cable for door heater (LT units only)



0°	7,0 m ³	MPS1107YA11A	970 W
	13,5 m ³	MPS1110YA11A	1.533 W
	19,8 m ³	MPS3112YA11A	2.081 W
	36,1 m ³	MPS3220YA11A	3.154 W
	Tamb = 32°C / Tc = 0°C		



-20°	6,2 m ³	BPS3112YA11A	1.059 W
	7,7 m ³	BPS3115YA11A	1.202 W
	16,8 m ³	BPS3224YA11A	2.006 W
	20,8 m ³	BPS3230YA11A	2.249 W
	Tamb = 32°C / Tc = -20°C		

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ECPEN25-898B

02/2025



EN ISO 5801
ISO 3746
EN 13215

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Why R290 is the ideal solution for your cold room?



Environmental Benefits: R290 is a natural refrigerant with a very low global warming potential and zero ozone depletion potential. This means that it does not contribute to the depletion of the ozone layer or global warming, making it an eco-friendly and sustainable choice for businesses that want to reduce their environmental impact.



Safety: R290-based refrigeration systems are designed with safety in mind. These systems have built-in safety features, which can prevent accidents and minimize the risk of fires or explosions.



Energy Efficiency: R290-based refrigeration systems are highly efficient, delivering fast and consistent cooling performance while consuming less energy than other refrigeration systems. This can result in significant cost savings for businesses, especially those that require constant refrigeration for their products.



Cost Savings: Since R290 is a readily available and affordable refrigerant, businesses can save money on the cost of refrigeration by using R290-based systems. Additionally, R290-based systems have lower maintenance costs and longer lifespans than other refrigeration systems, reducing the need for frequent repairs and replacements.

In summary, the added value of using R290 for refrigeration includes environmental sustainability, energy efficiency, cost savings, and safety. As a natural and efficient refrigerant, R290 is a smart choice for businesses that want to reduce their environmental impact, save money, and ensure the safety of their employees and customers.

Technical Specifications - Model Comparison

Medium temperature units

Model		MPS1107YA11A	MPS1110YA11A	MPS3112YA11A	MPS3220YA11A
Dimensions	H/D/W	745/935/400	745/935/400	850/1010/650	850/1010/650
Weight	kg	50	50	87.6	93
Power supply	Vac/Ph/Hz	230/1N~/50	230/1N~/50	230/1N~/50	230/1N~/50
Voltage range (Min/Max)	V	207-250	207-250	207-250	207-250
Rated input power	W	580	750	1430	1840
Rated input current	A	3.76	3.68	6.86	8.58
Max input power	W	900	920	1680	2140
MCA (Max Current Amps)	A	4.89	4.99	9.12	11.62
MFA (Max Fuse Amps)	A	10	10	10	10
TOCA (Total overcurrent Amps)	A	23	29	49	68
Compressor type		Hermetic reciprocating (ON/OFF controlled)		Hermetic reciprocating (ON/OFF controlled)	
Air flow rate condenser ¹	m ³ /h	530	530	930	1030
Air flow rate evaporator ¹	m ³ /h	590	590	1150	1230
Air throw evaporator ²	m	5	5	5	5
PED category		I	I	I	I
IP category		IPX0	IPX0	IPX0	IPX0
Defrost		Hot gas	Hot gas	Hot gas	Hot gas
Condenser operating sound pressure ³	dBA (10m)	38.5	38.5	47.5	47.5
Operation range ambient temperature	°C				
	Min	5	5	5	5
Operation range cold room temperature	°C				
	Min	-5	-5	-5	-5
Refrigerant	Type	R290	R290	R290	R290
	GWP	3	3	3	3
Number of circuits		1	1	1	2
Charge per circuit	kg	Charge limited to 150 gr per circuit		Charge limited to 150 gr per circuit	

1. According to EN ISO 5801 2. According to CECOMAF GT 6-001 (final velocity = 0,25 m/s) 3. According to UNI EN ISO 3746