

UNISPLIT-PLUS R290



Pompa di calore monoblocco R290 DCinverter per riscaldamento, raffreddamento e acqua calda sanitaria

R290 DCinverter monobloc heatpump for heating & cooling & Hot water



Diagramma di installazione

- Multiprotezione (antiesplorazione, sicurezza, affidabilità)
- Scatola elettrica indipendente e isolata, separata dal refrigerante
- Valvola di sicurezza antigoccia con scarico rapido
- Saldatura a brasatura per tenuta ermetica

Antigelo e sbrinamento

- Tecnologie antigelo (pompa, circolazione, riscaldamento interno)
- Monitoraggio automatico temperatura
- Riscaldamento automatico sotto i 2°C (ambiente) e 7°C (acqua)
- Sbrinamento automatico in base a temperatura ambiente e tubazioni

Specifications

Model			8kW	10kW	12kW	14kW	16kW
Intended use of the units			Low and medium temperature application				
Power supply		V/Ph/Hz	220-240/1/50				
Heating (AT7/6, WT30/35)	Capacity	kW	8	10	12	14	16
	Rated power input	kW	1.62	2.08	2.45	2.74	3.25
	COP	/	4.95	4.8	4.9	5.11	4.92
Heating (AT7/6, WT47/55)	Capacity	kW	8	10	12	14	16
	Rated power input	kW	2.42	3.03	3.43	4.24	5
	COP	/	3.3	3.3	3.5	3.3	3.2
Cooling (AT35, WT23/18)	Capacity	kW	8	10	11.4	14	16
	Rated power input	kW	1.63	2.15	2.78	2.74	3.33
	EER	/	4.9	4.65	4.1	5.11	4.8
Cooling (AT35, WT12/7)	Capacity	kW	8	10	11.4	14	16
	Rated power input	kW	2.5	3.33	4.07	4.52	5.51
	EER	/	3.2	3.0	2.8	3.1	2.9
SCOP	Average climate	35°C	4.9	4.9	4.9	5.2	4.9
	Average climate	55°C	3.85	3.85	3.85	3.9	3.9
Season space heating energy efficiency class	Average climate	35°C	A+++	A+++	A+++	A+++	A+++
	Average climate	55°C	A+++	A+++	A+++	A+++	A+++
SEER	Fan coil application	7°C	4.5	4.5	4.5	5.1	5.1
	Cooling floor application	18°C	6.3	6.5	6.2	7	7
Refrigerant	Type	/	R290				
	Charge	kg	1.3	1.3	1.35	1.95	1.95
E-Heater backup		kW	3	3	3	6	6
Sound power level (EN12102-1)		dB	65	65	68	68	68
Water pump	Rated water flow	m ³ /h	1.38	1.72	2.06	2.41	2.75
	Total water head	m	12.5	12.3	12	11.5	11.1
	Available water head	m	9	8.8	8.5	8	7.6
Maximum working pressure of refrigerant		MPa	0.85/3.2				
Water side safety valve		MPa	0.6	0.6	0.6	0.6	0.6
Water proof grade		/	IPX4				
Water side connection		in	1	1	1	1	1
Net dimension		W*D*H	mm 1312*470*990			mm 1312*470*1370	
Package dimension		W*D*H	mm 1362*567*1167			mm 1362*567*1560	
Ambient temperature range	Cooling	°C	10-48				
	Heating	°C	-30-35				
	DHW	°C	-30-43				
Leaving water temperature range	Cooling	°C	5-25				
	Heating	°C	24-75				
	DHW	°C	30-60				