



HANTECH

Hantech R290 Heat Pump Technical Datasheet

Model Name			HNT-IP08CV2M43TC-O	HNT-IP10CV2M43TC-O	HNT-IP12CV2M43TC-O	HNT-IP16CV2M43TC-O
Power supply	V / Ph / Hz		220-240 / 1 / 50			
Heating A7W35	Capacity	kW	8.00	9.50	12.00	15.00
	Rated input	kW	1.60	2.07	2.50	3.40
	COP		5.00	4.60	4.80	4.41
Heating A7W45	Capacity	kW	8.00	9.50	12.00	15.00
	Rated input	kW	2.13	2.59	3.00	4.30
	COP		3.76	3.68	4.00	3.49
Heating A7W55	Capacity	kW	8.00	9.50	12.00	15.00
	Rated input	kW	2.50	3.06	3.76	5.20
	COP		3.20	3.10	3.19	2.88
Cooling A35W18	Capacity	kW	8.30	10.00	12.00	16.00
	Rated input	kW	1.66	2.17	2.65	4.20
	EER		5.00	4.60	4.53	3.81
Cooling A35W7	Capacity	kW	7.20	8.80	11.60	14.00
	Rated input	kW	2.18	2.84	3.85	5.20
	EER		3.30	3.10	3.01	2.69
SCOP2	LWT at 35°C		5.33	4.83	4.75	4.53
	LWT at 55°C		3.88	3.85	3.78	3.68
Seasonal space heating energy efficiency class2	LWT at 35°C		A+++	A+++	A+++	A+++
	LWT at 55°C		A+++	A+++	A++	A++
Electric heater power input	kW		3	3	3	3
Compressor	Type		Twin Rotary DC Inverter			
Outdoor Fan	Motor Type		Brushless DC Motor			
	Number of fans		1	1	1	1
Throttle Type			Electronic Expansion Valve			
Refrigerant	Factory charge	kg	1.10	1.10	1.25	1.25
Sound power Level3	dB		60	61	64	68
Sound pressure level4	dB		48	49	51	55
Net dimensions (W×H×D)	mm		1293×860×523 (New appearance)			
Packing dimension (W×H×D)	mm		1395×996×550 (New appearance)			
Net / Gross weight	kg		104/125	104/125	117/138	117/138
Piping connections			R5/4"	R5/4"	R5/4"	R5/4"
Operation range	Cooling	°C	-5~46	-5~46	-5~46	-5~46
	Heating	°C	-25~35	-25~35	-25~35	-25~35
	DHW	°C	-25~43	-25~43	-25~43	-25~43
Water outlet	Cooling	°C	5~20	5~20	5~20	5~20
	Heating	°C	25~80	25~80	25~80	25~80
	DHW	°C	20~70	20~70	20~70	20~70
Abbreviations:	Notes:					
DHW: Domestic hot water	1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.					
LWT:Leaving water temperature	2. Seasonal space heating energy efficiency class tests in average climate conditions.					
	3. Sound power test condition : EN12102- 1					
	4. Sound pressure level is the maximum value tested under the two conditions of A7W35 and A35W18.					