



Arctic HT Mono R290 Heat Pump MHC-V12W/D2RN7-BER90





Arctic HT Mono

R290 Heat Pump



Model		MHC-V4WD2N7	MHC-V6WD2N7	MHC-V8WD2N7	MHC-V10WD2N7	MHC-V12WD2N7	MHC-V14WD2N7	MHC-V16WD2N7	MHC-V12WD2RN7	MHC-V14WD2RN7	MHC-V16WD2RN7	
Power supply		220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	380-415V-3N-50Hz	380-415V-3N-50Hz	380-415V-3N-50Hz	
Heating A7W35	Capacity	W	4500	6200	8400	10000	12000	14000	15000	12000	14000	15000
	Rated input	W	874	1265	1680	2128	2500	3111	3409	2500	3111	3409
	COP		5.15	4.90	5.00	4.70	4.80	4.50	4.40	4.80	4.50	4.40
Heating A7W45	Capacity	W	4500	6400	8200	10000	12000	14000	15000	12000	14000	15000
	Rated input	W	1111	1684	2130	2740	3243	4000	4478	3243	4000	4478
	COP		4.05	3.80	3.85	3.65	3.70	3.50	3.35	3.70	3.50	3.35
Heating A7W55	Capacity	W	4600	6200	7800	9500	12000	14000	15000	12000	14000	15000
	Rated input	W	1438	2000	2438	3115	3871	4667	5263	3871	4667	5263
	COP		3.20	3.10	3.20	3.05	3.10	3.00	2.85	3.10	3.00	2.85
Heating A2W35	Capacity	W	4400	5600	7100	8200	9100	10800	12800	9100	10800	12800
	Rated input	W	1073	1436	1844	2247	2395	3086	4000	2395	3086	4000
	COP		4.10	3.90	3.85	3.65	3.80	3.50	3.20	3.80	3.50	3.20
Heating A-7W35	Capacity	W	4500	5900	7000	8000	10000	11500	12700	10000	11500	12700
	Rated input	W	1452	2000	2333	2807	3571	4259	5080	3571	4259	5080
	COP		3.10	2.95	3.00	2.85	2.80	2.70	2.50	2.80	2.70	2.50
Cooling A35W18	Capacity	W	4500	6500	8300	10000	12000	14000	16000	12000	14000	16000
	Rated input	W	818	1275	1612	2105	2667	3333	4103	2667	3333	4103
	EER		5.50	5.10	5.15	4.75	4.50	4.20	3.90	4.50	4.20	3.90
Cooling A35W7	Capacity	W	4700	6800	7500	8900	11500	12700	14000	11500	12700	14000
	Rated input	W	1288	2194	2174	2738	3770	4379	5091	3770	4379	5091
	EER		3.65	3.10	3.45	3.25	3.05	2.90	2.75	3.05	2.90	2.75
SCOP	Average climate, W35	A+++										
	Average climate, W55	A++										
ErP sound power level	dB	56	58	60	61	65	65	69	65	65	69	
Refrigerant	Type(GWP)	R290(3)										
	Charged volume	g	700	1100	1250							
Unit dimension (W×H×D)	mm	1299×717×426				1385×865×523						
Packing dimension (W×H×D)	mm	1375×885×475				1465×1035×560						
Net weight	kg	90		117			135			137		
Gross weight	kg	110		139			157			159		
Water side Connection dimension		G1" BSP				G1 1/4" BSP						
Outdoor air temperature range	Cooling	°C										
	Heating	°C										
	DHW	°C										
Water setting temperature range	Cooling	°C										
	Heating	°C										
	DHW	°C										

Note:

The above data test reference standard EN14511; EN14825; EN50564;EN 12102; (EU) No:811