

CAR-EVI Air to Water Heat Pump-heating/hot water/cooling									
Model			CAR-12EVI	CAR-24EVI	CAR-12EVI	CAR-20EVI	CAR-40EVI	CAR-60EVI	CAR-75EVI
Standard 20/15 DB/WB °C	Heating capacity	KW	10.4	20.8	11.4	20.3	40.6	60.9	74.4
		BTU	35484	70969	38897	69264	138527	207791	253853
	Hot water output	T/h	0.22	0.45	0.25	0.44	0.87	1.31	1.6
	Input power	KW	2.56	5.12	2.77	4.8	9.6	14.4	16.3
Low 7/6 DB/WB °C	Heating capacity	KW	8.65	17.3	9.59	16.6	33.2	49.8	62.7
		BTU	29514	59028	32721	56639	113278	169918	213932
	Hot water output	T/h	0.17	0.33	0.18	0.32	0.63	0.95	1.2
	Input power	KW	2.6	5.2	2.8	4.69	9.38	14.07	16.3
Super low -15/-17 DB/WB °C	Heating capacity	KW	5.33	10.66	5.95	9.7	19.4	29.1	34.6
		BTU	18186	36372	20301	33096	66193	99289	118055
	Hot water output	T/h	0.1	0.2	0.11	0.19	0.37	0.56	0.66
	Input power	KW	2.5	5	2.7	4.15	9.3	14.45	15.6
Cooling condition	Cooling capacity	KW	8.4	16.3	8.7	14.1	28	42	51
		BTU	28660	57321	29684	48109.2	95536	143304	174012
	Input power	KW	3.08	5.66	3.22	5.12	9.87	15.11	17.1
Standard running current		A	12.2	24.4	4.85	8.4	16.8	25.5	29
Max running current		A	17.1	34.2	7.5	12	24	36	42
Power source		V/Ph/Hz	220V/1N/50HZ			380V/3N/50HZ			
Noise level		dB(A)	<55	<58	<55	<58	<62	<64	<66
Up discharge W x D x H		mm	670*640*820	1390*635*950	670*640*820	810*780*1050	1450*780*1050	1700*900*1250	1700*900*1250
Side discharge W x D x H		mm	883*363*1000	900*420*1400	883*3630*1000	1120*425*1260	--		
Unit net weight		kg	115	175	115	145	270	470	620
Water temp control precise		°C	±2°C						
Working temp range		°C	-25°C-43°C						
Throttle type			Thermostatic expansion valve						
Type			R407C						

Refrigerant	Charge qty	kg	2.6	2.6*2	2.6	3.5	3.5*2	3.5*3	7.2*2
	Max working pressure	Bar	28	28	28	28	28	28	28
Compressor	Type		EVI Copeland compressor						
	Qty	pcs	1	2	1	1	2	3	2
Air source side	Heat exchanger type		Finned tube heat exchanger						
	Qty	pcs	1	2	1	1	2	2	2
	Motor power	KW	0.2	0.4	0.2	0.4	0.4*2	0.75*2	0.75*2
Hot water side	Heat exchanger type		Tube in tube heat exchanger						
	Water flow	m <sup>3</sup> /H	1.79	3.58	1.98	3.49	6.98	10.47	12.79
	Water pressure loss	kPa	27	30	27	30	36	42	48
	Pipe size	DN	20	25	20	25	32	40	50
	Max working pressure	kPa	1000	1000	1000	1000	1000	1000	1000

**Test conditions:**

- 1.Standard: Air source side DB/WB is 20°C/15°C, inlet water temp 15°C, outlet water temp 55°C.
- 2.Low: Air source side DB/WB is 7°C/6°C, inlet water temp 10°C outlet water temp 55°C.
- 3.Super low: Air source side DB/WB is -15°C/-17°C, inlet water temp 10°C, outlet water temp 55°C.
- 4.Cooling work condition: air source side temp 35°C, chiller side inlet water temp is 12°C, outlet water temp is 7°C.

**Product options for ref:**

- 1.Stainless steel casing
- 2.Soft starter apparatus
- 3.Bottom heater






CAR-80EVI
81.2
277054
1.75
19.2
66.4
226557
1.27
18.76
38.8
132386
0.74
19.6
56
191072
20.83
34
48
<66
1700*900*1250
620

3.5*4
28
4
2
0.75*2
13.96
48
50
1000



