

CAR-XB Air Source Heat Pump-heating/hot water

Clitech CAR-XB		CAR-05	CAR-08	CAR-12	CAR-16	CAR-20	CAR-24	CAR-28	CAR-40	CAR-48	
Heating condition	Rated heating capacity	KW	4.83	7.1	10.81	15	19	22	27.1	38	46.2
		BTU	16485	24232	37543	51195	64846	78498	92491	129693	157634
	Hot water output	T/h	0.1	0.15	0.23	0.3	0.41	0.5	0.58	0.82	1
	Input power	KW	1.15	1.7	2.34	3.4	4.1	4.68	5.9	8.2	10.2
	Input current	A	4.71	7.11	11.23/6.5	14/7.5	6.66	22/12	22/12	13.34	16
	COP		4.2	4.18	4.62	4.41	4.64	4.7	4.6	4.64	4.52
	Max running current	A	7.5	11	17.1/9.75	17/9.5	12	33/17	33/17	24	28
Rated/Max outlet water temperature	℃	55℃/60℃									
Power source	V/N/Hz	220V-240V/1N/50HZ		220V-240V/1N/50HZ or 380V-415V/3N/50HZ		380V-415V3N//50HZ	220V-240V/1N/50HZ or 380V-415V/3N/50HZ		380V		
Noise level	dB(A)	<48	<50	<53	<53	<55	<55	<60	<63	<64	
Unit size(Up discharge/side discharge) WxDxH	mm	930*280*550	1000*300*620	680*635*830/880*370*1000	810*780*1050/900*420*1400	810*780*1050/900*420*1400	880*780*1000/900*420*1400	880*780*1050/1410*500*1500	1450*780*1050/1410*500*1500	1450*780*1200	
Packing size(Up discharge/side discharge) WxDxH	mm	1030*380*720	1100*390*790	890*735*1000/980*470*1120	970*880*1220/1000*520*1500	970*880*1220/1000*520*1500	980*880*1170/1000*520*1500	980*880*1220/1510*600*1620	1550*880*1220/1510*600*1620	1550*880*1420	
Package		Qualified plywood case, no need of fumigation									
Unit net weight	KG	63	75	120	145	145	155	175	245	280	
Working temp range	℃	- 20℃~43℃									
Water temp control precise	℃	±2℃									
Throttle type		Electronic expansion valves/thermostatic expansion valves									
Refrigerant	Type	R410A					R417A				
	Quantity	kg	0.9	1.25	1.7	1.7	2	2.3	2.5	2*2	2.3*2
	Max working pressure	bar	28	28	28	28	28	28	28	28	28
Compressor	Type	Rotary(Panasonic)			Hermetically sealed scroll compressor Copeland						
	Quantity	pcs	1	1	1	1	1	1 or 2	1 or 2	2	2
Air source side	Heat exchanger type	Finned tube heat exchanger									
	Quantity	pcs	1	1	1	1	1	1	1	2	2
	Fan type	Axial type big twist Angle fan									
	Motor power	KW	0.02	0.05	0.2	0.3	0.3	0.3	0.5	0.6	0.6
Water side	Heat exchanger type	Tank type heat exchanger	High efficient spiral tube in tube heat exchanger								
	Water flow	m ³ /H	0.83	1.22	1.86	2.44	3.27	3.97	4.66	6.53	7.94
	Water pressure loss	kPa	20	20	27	29	30	32	34	36	42

Hot	pipe size	DN	20	20	20	25	25	25	32	32	32
	Max working pressure	kPa	1000	1000	1000	1000	1000	1000	1000	1000	1000

Test conditions: Air source side DB/WB is 20 /15 , initial hot water temp 15 , ending hot water temp 55 .

- 1. Stainless steel casing
- 2. Soft starter apparatus
- 3. Bottom heater
- 4. RS485/Modbus communication

If need to add above functions, pls contact us, it need to add cost.



CAR-05/08



CAR-12/16/20/24/28 up discharge



CAR-40/48/60/80/100



CAR-12 side discharge



CAR-16/20/24 side discharge



CAR-28

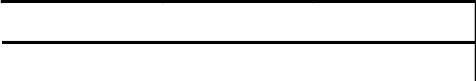
CAR-60	CAR-80	CAR-100
57.1	76	95
194881	259386	324140
1.23	1.63	1.99
12.2	16.2	20.5
20	26.51	33.1
4.67	4.69	4.64
36	48	56



V-415V/3N/50HZ

<66	<68	<68
1700*900*1250	1700*900*1250	1700*900*1250
1800*1000*1420	1800*1000*1420	1800*1000*1420

430	560	630
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2*3	2*4	2.3*4
28	28	28

3	4	4
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2	2	2
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1.2	1.5	1.5
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9.82	13.07	15.91
42	46	48

40	50	50
1000	1000	1000



/ CAR-24/28 double compressors



3/40 side discharge

