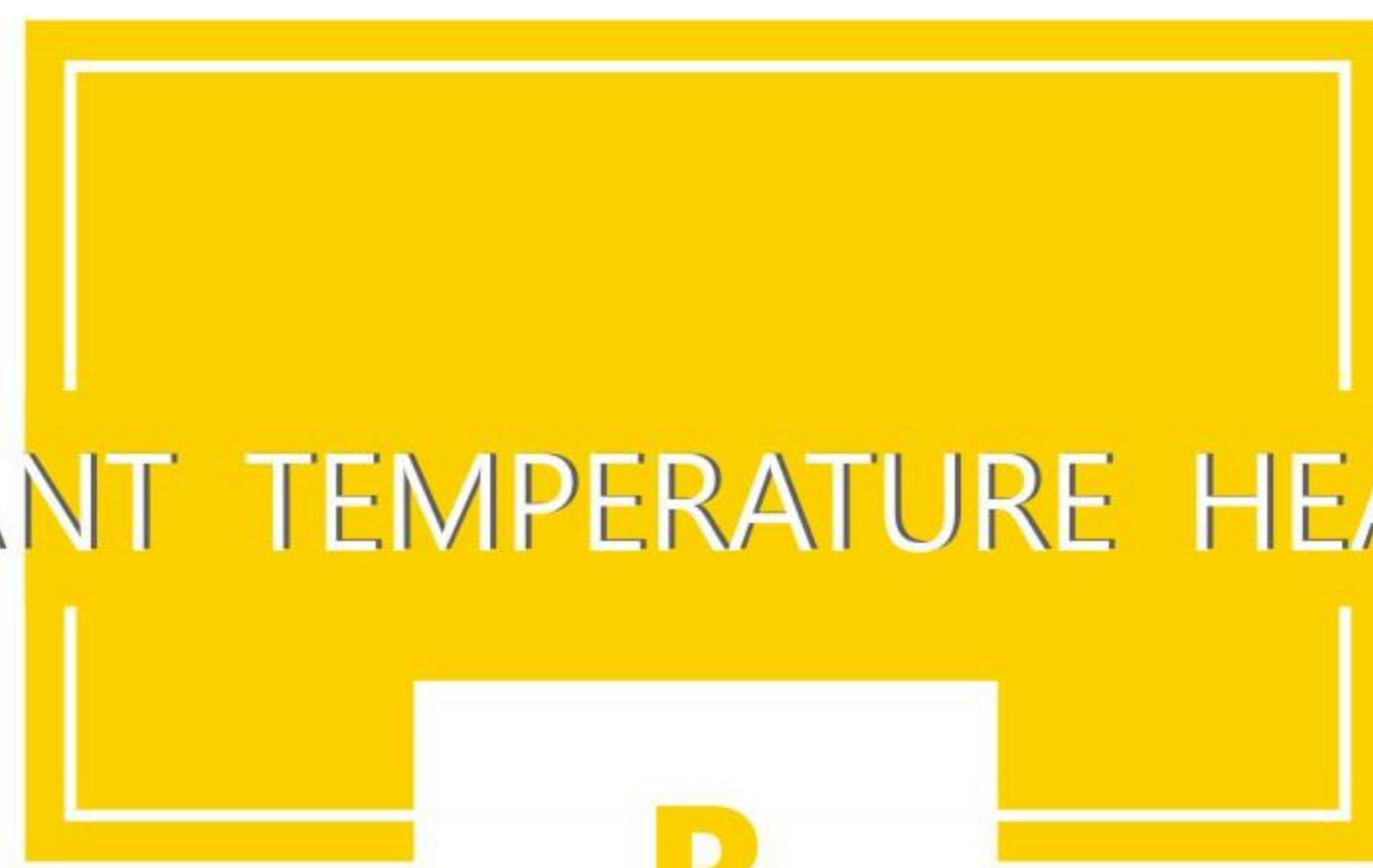




# CONSTANT TEMPERATURE HEAT PUMP



**B**

Meet the heating demand of various places. Using environmental refrigerant R410a (optional R22), Flexible installation, Automatic heating mode, energy saving, produce hot water all the time; automatic heating, automatic defrosting.



Water flow protection, compressor discharge temperature production, system refrigerant high-low protection, compressor over current protection, power supply phase sequence protection.(3 phase model), antifreeze protection;

Work condition: Can be used in ambient temperature: **-12°C~43°C** for all day.

## Specification and size:

Model 1 (Room temperature type)		B-12	B-15	B-20	B-22	B-30	B-35	B-45	B-55	B-60	B-70
Heating Capacity ①	kW	56.0	75.0	90.0	100.0	125.0	150.0	180.0	225.0	250.0	300.0
Heating Input Power ①	kW	10.02	13.39	16.10	17.85	22.27	26.80	32.10	40.20	44.60	48.68
Heating Input Current ①	A	16.5	23.8	28.7	31.8	39.7	47.6	56.2	63.5	79.4	92.5
<b>COP ①</b>	w/w	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Heating Capacity ②	kW	43.0	64.5	80.2	90.3	103.2	129.0	155.0	172.0	215.0	245.0
Heating Input Power ②	kW	9.35	14.02	17.43	19.63	22.43	28.04	33.70	37.39	46.74	48.51
Heating Input Current ②	A	17.3	26.0	32.2	36.4	41.6	52.0	62.4	69.3	86.6	92.1
<b>COP ②</b>	w/w	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Power Supply	V/Hz	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Compressor		Vortex 涡旋	Vortex 涡旋	Vortex 涡旋	Vortex 涡旋	Vortex 涡旋	Vortex 涡旋	Vortex 涡旋	Vortex 涡旋	Vortex 涡旋	Vortex 涡旋
Number Of Compressors		2	2	2	2	2	2	4	4	4	4
Number Of Fans		2	2	2	2	2	2	4	4	4	4
Noise	db(A)	≤65	≤65	≤65	≤65	≤68	≤68	≤68	≤70	≤70	≤70
Water Pressure Drop	kpa	16	20	25	25	25	30	50	60	60	60
Rated Water Flow Rate	m³/h	15.8	19.5	21.2	25.0	31.2	37.3	42.5	51.8	62.6	75.3
Water Inlet/Outlet Size		DE75 Flange	DE75 Flange	DE75 Flange	DE75 Flange	DE90 Flange	DE90 Flange	DE110 Flange	DE110 Flange	DE110 Flange	DE110 Flange
Weight (Net Weight / Gross Weight)	kg	240/270	280/310	600/650	640/700	800/880	900/980	1180/1280	1640/1840	1760/1960	1820/2020
Machine Dimensions(mm)	L	1580	1580	1580	1926	2126	2116	2212	2212	2212	2212
	W	900	900	900	1056	1106	1106	2006	2006	2006	2006
	H	1660	1660	1660	2190	2196	2196	2097	2097	2097	2097

- (1)① Outdoor temperature of heating: DB24°C / WB19°C, outlet water temperature 28°C, inlet water temperature 26°C;
- (2)② Outdoor temperature of heating: DB15°C / WB12°C, outlet water temperature 28°C, inlet water temperature 26°C;
- (3)③ Operating ambient temperature: -12°C~43°C.

Model 2 (EVI type)		B12(E)	B15(E)	B20(E)	B22(E)	B30(E)	B35(E)	B45(E)	B55(E)	B60(E)	B70(E)
Heating Capacity ①	kW	56.0	75.0	90.0	100.0	125.0	150.0	180.0	225.0	250.0	300.0
<b>COP ① A:24/W:28</b>		5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85
Power ①	kW	9.57	12.82	15.38	17.09	21.37	25.64	30.77	38.46	42.74	51.28
Current ①	A	18.18	24.35	29.22	32.47	40.58	48.70	58.44	73.05	81.16	97.40
Heating Capacity ②	kW	43.0	64.5	80.2	90.3	103.2	129.0	155.0	172.0	215.0	245.0
<b>COP ② A:15/W:28</b>		4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85	4.85
Power ②	kW	8.87	13.30	16.54	18.62	21.28	26.26	31.69	35.46	44.33	50.52
Current ②	A	16.84	25.26	31.41	35.36	40.41	50.52	60.70	67.35	84.19	95.94
Heating Capacity ③	kW	34.0	52.3	68.5	78.5	86.3	106.3	137.0	157.2	186.9	212.6
<b>COP ③ A:7/W:28</b>		4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
Power ③	kW	8.25	12.69	16.63	19.05	20.95	25.80	33.25	38.16	45.36	51.60
Current ③	A	15.67	24.11	31.58	36.19	39.78	49.00	63.15	72.47	86.16	98.00
Heating Capacity ④	kW	31.2	39.0	44.6	52.0	65.0	78.0	89.1	104.0	130.0	156.0
<b>COP ④ A:0/W:28</b>		3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
Power ④	k	8.55	10.68	12.21	14.25	17.81	21.37	24.42	28.49	35.62	42.74
Current ④	A	16.23	20.29	23.19	27.06	33.82	40.59	46.38	54.12	67.64	81.17
Heating Capacity ⑤	kW	26.4	33.0	37.7	44.0	55.0	66.0	75.4	88.0	110.0	132.0
<b>COP ⑤ A:-7/W:28</b>		3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23
Power ⑤	kW	8.17	10.22	11.68	13.62	17.03	20.43	23.35	27.24	34.06	40.87
Current ⑤	A	15.52	19.40	22.18	25.87	32.34	38.81	44.35	51.74	64.68	77.62
Heating Capacity ⑥	kW	24.0	30.0	34.3	40.0	50.0	60.0	68.6	80.0	100.0	120.0
<b>COP ⑥ A:-12/W:28</b>		2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
Power ⑥	kW	9.06	11.32	12.94	15.09	18.87	22.64	25.88	30.19	37.74	45.28
Current ⑥	A	17.20	21.50	24.57	28.67	35.83	43.00	49.14	57.34	71.67	86.00
Power Supply	V	380	380	380	380	380	380	380	380	380	380
Number Of Compressors		2	2	2	2	2	2	4	4	4	4
Number Of Fans		2	2	2	2	2	2	4	4	4	4
Noise	dB(A)	65	68	68	70	70	72	75	75	75	75
Water Inlet/Outlet Size	mm	DE75 Flange	DE75 Flange	DE75 Flange	DE75 Flange	DE90 Flange	DE90 Flange	DE110 Flange	DE110 Flange	DE110 Flange	DE110 Flange
Water Flow	m³/h	12.32 ~18.45	15.75 ~20.25	16.75 ~22.77	21.32 ~28.56	24.50 ~35.78	30.61 ~40.52	33.56 ~43.60	40.40 ~52.60	49.52 ~60.19	58.56 ~82.53
Refrigerant Type		R22	R22	R22	R22	R22	R22	R22	R22	R22	R22
Unit size (Length/Width/Height)	mm	1580/900 /1660	1580/900 /1660	1580/900 /1660	1926/1056 /2190	2126/1106 /2196	2126/1106 /2196	-	-	-	-
Weight	kg	326	362	395	482	612	712	841	954	1015	1100

- (1)① Heating: Ambient temperature: DB24°C / WB19°C, Outlet water temperature: 28°C, Return water temperature:26°C;
- (2)② Heating: Ambient temperature: DB15°C / WB12°C, Outlet water temperature: 28°C, Return water temperature:26°C;
- (3)③ Heating: Ambient temperature: DB7°C / WB6°C, Outlet water temperature: 28°C, Return water temperature:26°C;
- (4)④ Heating: Ambient temperature: DB0°C / WB-°C, Outlet water temperature: 28°C, Return water temperature:26°C;
- (5)⑤ Heating: Ambient temperature: DB-7°C / WB-°C, Outlet water temperature: 28°C, Return water temperature:26°C;
- (6)⑥ Heating: Ambient temperature: DB-12°C / WB-°C, Outlet water temperature: 28°C, Return water temperature:26°C;
- (7) Operating ambient temperature: -25°C ~ 43°C.