

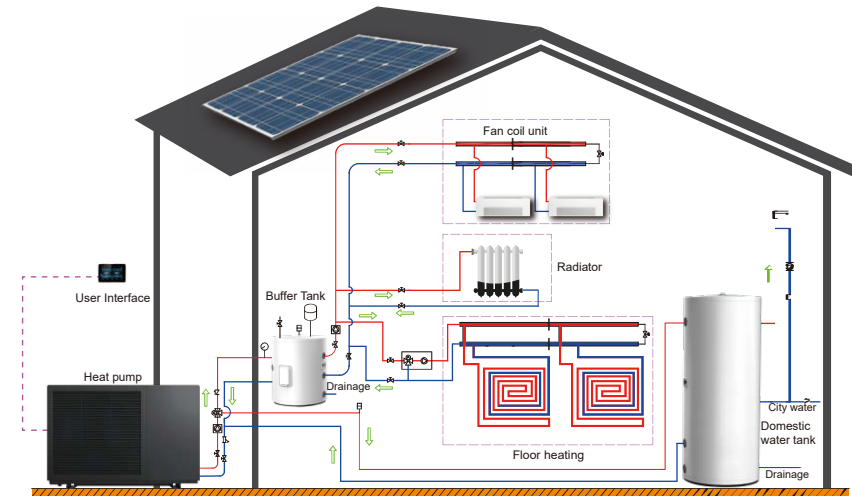
MONOBLOCK HEAT PUMP

Heating / Cooling / DHW / DC Inverter / Residential Type



Features

- R290 refrigerant, low GWP (GWP=3)
- Energy class: A+++
- Stable operation at -25°C
- Outlet water temperature up to 75°C
- Power Detection Function
- SG-READY Function
- 5-Inch TFT True Color Screen
- 5G/2.4G Compatible WIFI Module
- Dual Temperature Zone
- Reserved RS485 Communication Port
- Linkage Control with PV Function



Heat Pumps in Action: Various Application Scenarios

T E C H N I C A L D A T A

Model			BLN-006TC1	BLN-008TC1	BLN-008TC3	BLN-012TC1	BLN-012TC3	BLN-018TC1	BLN-018TC3
Power supply		V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	220~240/1/50	380~415/3/50	220~240/1/50	380~415/3/50
Nominal Heating (Max) (A7/6°C, W30/35°C)	Heating capacity	kW	2.92 ~ 9.10	4.10 ~12.10	4.10 ~12.10	4.30 ~ 15.20	4.30 ~ 15.20	7.24 ~ 21.90	7.24 ~ 21.90
	Power input	kW	0.61 ~ 2.11	0.79 ~2.85	0.79 ~2.85	0.87 ~ 3.73	0.87 ~ 3.73	1.50 ~ 5.88	1.50 ~ 5.88
	Current input	A	2.80 ~ 9.25	3.45~13.04	1.62~4.57	4.02 ~ 16.38	1.78 ~ 6.04	6.86 ~ 30.25	2.82 ~ 9.16
	COP	W/W	4.31 ~ 5.66	4.24 ~ 5.57	4.24 ~ 5.57	4.07 ~ 5.57	4.07 ~ 5.57	3.82 ~ 5.59	3.82 ~ 5.59
Nominal Heating (Max) (A7/6°C, W47/55°C)	Heating capacity	kW	2.99~8.16	4.05~12.15	4.05~12.15	4.25 ~ 14.55	4.25 ~ 14.55	6.36 ~ 19.45	6.36 ~ 19.45
	Power input	kW	1.03~2.92	1.38~4.06	1.38~4.06	1.45 ~ 4.28	1.45 ~ 4.28	2.15 ~ 6.85	2.15 ~ 6.85
	Current input	A	4.57~12.79	5.73~17.70	2.70~6.43	6.71 ~ 18.80	2.84 ~ 6.78	9.84 ~ 30.12	3.71 ~ 10.60
	COP	W/W	2.79 ~ 3.46	2.99 ~ 3.45	2.99~ 3.45	2.83 ~ 3.45	2.83 ~ 3.45	2.84 ~ 3.57	2.84 ~ 3.57
Nominal Cooling (Max) (A35/24°C, W12/7°C)	Cooling capacity	kW	1.38~5.70	3.65~8.59	3.65~8.59	3.65 ~ 11.04	3.65 ~ 11.04	4.55 ~ 17.20	4.55 ~ 17.20
	Power input	kW	0.67~2.44	1.12~3.31	1.12~3.31	1.12~3.97	1.12 ~ 3.97	1.85 ~ 7.31	1.85 ~ 7.31
	Current input	A	3.06~10.27	5.18~14.47	1.97~5.25	5.18~17.44	1.97 ~ 6.30	8.47 ~ 32.1	2.99 ~ 11.26
ERP level (outlet water temp. at 35°C)		/	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Max. input power		kW	3.5	5.40	5.85	5.40	5.85	7.5	10.5
Max. input current		A	15.0	25.0	10.0	25.0	10.0	35.0	17.0
Refrigerant Type / Charge / GWP		... / kg	R290 / 0.55 / 3	R290 / 1.05 / 3	R290 / 1.05 / 3	R290 / 1.05 / 3	R290 / 1.05 / 3	R290 / 1.4 / 3	R290 / 1.4 / 3
Rated water flow		m³/h	1.00	1.4	1.4	2.06	2.06	3.1	3.1
Fan quantity		/	1	1	1	1	1	2	2
Fan motor type		/	DC inverter						
Compressor		/	DC inverter						
Circulating pump		/	Inverter type / Built-in						
IP class		/	IPX4						
Sound pressure at 1m distance		dB(A)	46	43	43	53	54	56	56
Max outlet water temperature		°C	75	75	75	75	75	75	75
Water piping connections		/	G1	G1	G1	G1	G1	G1 - 1 / 4	G1 - 1 / 4
Water Pressure drop		kPa	20	20	20	20	20	55	55
Operating temperature range (heating mode)		°C	-25~45						
Operating temperature range (cooling mode)		°C	16~45						
Unpacked dimensions (L*D*H)		mm	1187 418 805	1287 448 904	1287 448 904	1287 448 904	1287 448 904	1187 488 1456	1187 488 1456
Packed dimensions (L*D*H)		mm	1217 463 920	1317 493 1020	1317 493 1020	1317 493 1020	1317 493 1020	1217 538 1570	1217 538 1570
UnPacked weight		kg	110	134	134	134	134	195	195
Packed weight		kg	122	146	146	146	146	208	208

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.