

Heat Pump/Heating & Cooling & DHW



Stable Running At -25°C

Direct current inverter compressor good running at ultra-low temperature environment.



Convenient IOT

Free WI-FI, intelligent control any time, anywhere.

Multi Mode Operation

290

R290

With many advantages such as low carbon emission and high efficiency, R290 refrigerant is recognized as a refrigerant with the most development potential in the industry, which contributes to the reduction of carbon emission and help achieve the global goal of carbon neutrality.



Quiet

Ultra low noise, enjoy the comfortable environment.

Multi Energy Coupling

Technical specification:



Model		BLN-006TC1	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	
Nominal Heating (Max) (A7/6°C,W30/35°C)	Heating capacity	kW	2.92~9.1	4.30~15.20	4.30~15.20	7.24~22.1	7.24~22.1
	Power input	kW	0.61~2.11	0.87~3.73	0.87~3.73	1.5~5.88	1.5~5.88
	Current input	A	2.8~9.25	4.02~16.38	1.78~6.04	6.86~30.25	2.82~9.16
Nominal Heating (Max) (A7/6°C,W47/55°C)	Heating capacity	kW	2.99~8.16	4.25~14.55	4.25~14.55	6.36~19.45	6.36~19.45
	Power input	kW	1.03~2.92	1.45~4.28	1.45~4.28	2.15~6.85	2.15~6.85
	Current input	A	4.57~12.79	6.71~18.80	2.84~6.78	9.84~30.12	3.71~10.60
Nominal Cooling (Max) (A35/24°C,W12/7°C)	Cooling capacity	kW	1.38~5.70	3.65~11.4	3.65~11.4	4.55~17.20	4.55~17.20
	Power input	kW	0.67~2.44	1.12~3.97	1.12~3.97	1.85~7.31	1.85~7.31
	Current input	A	3.06~10.27	5.18~17.44	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+++	
Max. input power	kW	3.50	5.40	5.85	7.50	10.50	
Max. input current	A	15.00	25.00	10.00	35.00	17.00	
Refrigerant	/	R290	R290	R290	R290	R290	
Rated water flow	m³/h	1.00	2.06	2.06	3.10	3.10	
Fan quantity	/	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)	42	50	50	55	55	
Max outlet water temperature	°C	75	75	75	75	75	
Water piping connections	/	DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 32 (1-1/4")	DN 32 (1-1/4")	
Water Pressure drop(max)	kPa	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	1187*488*1456	1187*488*1456	
Packed dimensions (L*D*H)	mm	1217*463*920	1317*493*1020	1317*493*1020	1217*538*1570	1217*538*1570	
UnPacked weight	kg	110	123	123	184	184	
Packed weight	kg	115	128	128	192	192	