



R290 DC Inverter Air To Water Heat Pump (Monoblock Type)

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	3.0~9.1	5.5~15.1	5.5~15.1	7.5~22.1	7.5~22.1
	Power Input	kW	0.65~2.29	1.08~3.9	1.08~3.9	1.5~6.8	1.5~6.8
	Current Input	A	2.8~9.1	4.5~17.0	1.8~6.9	6.9~31.1	2.7~12.3
Nominal Heating (Max) (A7/6°C,W47/55°C)	Heating Capacity	kW	2.85~8.50	5.0~13	5.0~13	7.0~18.9	7.0~18.9
	Power Input	kW	0.95~2.85	1.75~4.96	1.75~4.96	2.15~7.35	2.15~7.35
	Current Input	A	2.9~9.2	4.6~17.1	1.9~7.0	7.0~31.3	2.8~12.4
Nominal Cooling (Max) (A35/24°C,W12/7°C)	Cooling Capacity	kW	1.25~5.8	3.65~10.2	3.65~10.2	4.5~17.7	4.5~17.7
	Power Input	kW	0.65~2.35	1.12~4.16	1.12~4.16	1.80~7.30	1.80~7.30
	Current Input	A	2.9~10.4	4.8~17.3	2.0~7.8	7.8~32.4	3.3~12.9
ERP Level (Outlet water temp. at 35°C)	/	A+++	A+++	A+++	A+++	A+++	
MAX. input power	kW	3.00	5.50	5.50	7.50	9.00	
MAX. input current	A	13.50	24.50	10.50	35.00	16.00	
Refrigerant / Weight	/	R290	R290	R290	R290	R290	
Rated water flow	m³/h	1.00	1.80	1.80	3.00	3.00	
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	44	44	48	48	
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	25	25	60	60	
Operating temperature range (Heating mode)	°C	-30~45					
Operating temperature range (Cooing mode)	°C	16~45					
Net Dimensions (L*W*H)	mm	1160*430*820	1079*430*1273	1079*430*1273	1129*460*1373	1129*460*1373	
UnPacked Weight	kg	90	110	110	145	145	
Packed Weight	kg	115	125	125	160	160	

Note:
1. The values of heating(cooling) capacity/power input/COP(EER) are based on measurement of EN14511 standard. Usag environment, such as operation of the heating equipment, room temperature, and controller adjustments, may cause disparities between practical determined and these values.
2. Sound power level measured at distance of 1m from the device.
Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.



R290 DC Inverter Air To Water Heat Pump (Split Type)

Model		EDHP-08N1	EDHP-12N1	EDHP-16N1	EDHP-16N3	
Power supply		V/Ph/Hz	220~240V/1Ph/50Hz			380~415V/3Ph/50Hz
Ambient temp. DB/WB: 7/6°C, Water In/out: 30/35°C	Heating capacity	kW	3.1~9.5	3.8~12	5.8~16.5	5.8~16.5
	Power input	kW	0.6~2.1	0.9~3.07	1.16~4.18	1.16~4.18
	Current input	A	2.7~9.5	4.1~14	5.3~19.2	1.9~6.9
	COP	W/W	4.50	4.48	4.52	4.52
Ambient temp. DB/WB: 7/6°C, Water In/out: 40/45°C	Heating capacity	kW	2.7~9	3.6~11	5.5~15.5	5.5~15.5
	Power input	kW	0.73~2.4	1.07~3.35	1.4~4.8	1.4~4.8
	Current input	A	3.4~11	4.9~15.4	6.4~22	2.3~7.8
	COP	W/W	3.70	3.30	3.28	3.28
Ambient temp. DB/WB: 7/6°C, Water In/out: 47/55°C	Heating capacity	kW	8.0	10.5	13.5	13.5
	Power input	kW	2.25	3.50	4.40	4.40
	COP	W/W	3.05	3.06	3.08	3.08
Ambient temp. DB/WB: 35/24°C, Water In/out: 12/7°C	Cooling capacity	kW	1.8~6	3.6~8	4.8~11	20.0
	Power input	kW	0.72~1.95	1.3~2.9	1.6~3.9	6.30
	Current input	A	3.3~9	6~13.3	7.3~18	2.6~6.4
	EER	W/W	2.90	2.80	2.90	2.90
Noise level Indoor/outdoor		dB(A)	34/54	36/55	38/56	38/56
Rated outlet water temp.		°C	7~70			
Max outlet water temp.		°C	70			
Ambient temperature range		°C	-25~43			
Rated water flow rate		m ³ /h	1.20	2.00	3.00	3.00
Max. Working Pressure	Refrigerant	Bar	31	31	31	31
	Water	Bar	7	7	7	7
Water connection		inch	1"	1"	1"	1"
Controller		-	Micro processor based digital wire controller with LCD display			
External cabinet		-	Galvanized steel with powder coating			
Compressor	Make	-	GMCC			
	Type	-	Rotary			
	Nos.	-	1	1	1	1
	Refrigerant	-	R290			
	Refrigerant amount	kg	0.7	0.9	1.4	1.4
Water heat exchanger	Type	-	Braze plate heat exchanger			
	Rated pressure drop	kPa	21	23	32	32
	Materials	-	SUS 316			
Built in electric heater		kW	3	3	3	3
Built in 3-way valve		-	yes	yes	yes	yes
Built in pump		-	Wilco/AWMT			
Dimension (W*D*H)	Indoor Unit (Wall Mounted Type)	mm	560×250×580	560×250×580	560×250×580	508*406*1000
	Outdoor Unit	mm	1175×430×830	1175*430*980	1130*430*1370	1105x515x1500
Net weight	Indoor Unit	kg	26	26	26	26
	Outdoor Unit	kg	105	115	139	138

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2. Sound power level measured at distance of 1m from the device.

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