

RESIDENTIAL R32

BLUAIR DC INVERTER

Wall



1. SMART DEFROST

BLUAIR is equipped with a special defrost mode. Thanks to its advanced technology, it detects freezing and the amount of frost and starts defrosting only if actually necessary. In cold conditions, if the outdoor unit's coil does not freeze, the function remains inactive, favouring energy savings and greatly increasing the effect.

2. TURBO MODE

This function speeds up the time required to reach the desired heating and cooling temperature, allowing the room to be air-conditioned quickly.

3. 24H TIMER

This function allows users to select delayed air conditioner on and/or off within 24 hours.

4. AUTO CLEAN (X-FAN)

After BLUAIR shut-down, the internal fan continues to run to favour internal unit exchanger drying. This function prevents the formation of mould that is harmful to the respiratory system.

5. INSTALLATION FLEXIBILITY

BLUAIR line wall unit design facilitates all maintenance, disassembly and cleaning operations. The condensate drain pipe is characterised by flexibility and the possibility of two applications (right and left).

6. AUTO-RESTART

In case of blackout, the unit resumes operation with the previously selected settings once the power supply is restored.



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HKEGM 260~710 Z

Remote control (standard)



Main features:

- Models available in 4 different power levels (2.60~6.45 kW).
- Seasonal energy efficiency class in cooling/heating up to A++/A+ [for all power levels].
- Maximum compactness: only 200 mm deep (mod. 2.60 kW).
- SEER/SCOP values up to 6.3/4.0 [6.45 kW model]
- Operating range: -15~24° C [Heating]; -15~43° C [Cooling]

Model			HKEGM 260 Z	HKEGM 350 Z	HKEGM 530 Z	HKEGM 710 Z
			HCNGS 260 Z	HCNGS 350 Z	HCNGS 530 Z	HCNGS 710 Z
Type	DC-Inverter heat pump control					
Rated capacity (T=+35°C)	Cool.	kW	2.60 (0.50~3.35)	3.50 (0.80~3.70)	5.13 (1.20~6.20)	6.45 (2.00~8.20)
Rated absorbed power (T=+35°C)	Cool.	kW	0.81 (0.16~1.40)	1.09 (0.22~1.40)	1.58 (0.35~2.10)	1.95 (0.40~3.00)
Annual energy consumption	Cool.	kWh/a	149	201	293	356
Seasonal energy efficiency class	Cool.	626/2011 ¹	A++	A++	A++	A++
Seasonal energy efficiency index	Cool.	SEER ²	6.1	6.1	6.1	6.3
Theoretical load (Pdesignc)	Cool.	kW	2.6	3.5	5.1	6.4
Rated capacity (T=+7°C)	heating	kW	2.80 (0.50~3.50)	3.67 (0.90~3.80)	5.28 (1.20~6.60)	6.45 (2.00~8.50)
Rated absorbed power (T=+7°C)	heating	kW	0.76 (0.20~1.50)	0.99 (0.22~1.50)	1.42 (0.35~2.30)	1.74 (0.45~3.10)
Annual energy consumption	heating	kWh/a	910	1225	1470	2205
Energy efficiency class (average season)	heating	626/2011 ¹	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)	heating	SCOP ²	4.0	4.0	4.0	4.0
Theoretical load (Pdesignh)	heating	kW	2.6	3.5	4.2	6.3
Operating limits (outside temp.)	Cool.	°C	-15~43	-15~43	-15~43	-15~43
	heating	°C	-15~24	-15~24	-15~24	-15~24
Sound pressure level - Indoor U.	S/Hi/Hi/Mi/Lo	dB(A)	39/36/32/26	42/38/34/31	49/44/39/34	49/44/41/39
Sound power level - Indoor U.	Hi	dB(A)	55	57	59	63
Sound pressure level - Outdoor U.	Max	dB(A)	52	53	56	58
Sound power level - Outdoor U.		dB(A)	61	62	64	68
Electrical data						
Power	Ph-V-Hz		1Ph - 220/240V - 50Hz			
Power cable	Outdoor U.	Type	2+T x 1.5 mm ²		2+T x 2.5 mm ²	
Absorbed current	Cool.	A	3.9	5.0	7.0	8.4
Absorbed current	heating	A	3.4	4.5	6.3	8.0
Maximum current		A	6.9	7.7	12.0	13.5
Refrigerant circuit						
Refrigerant (GWP) ⁴			R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant Load		Kg	0.6	0.7	0.9	1.7
Max splitting length		m	15	20	25	25
Max height difference IU /OU		m	10	10	10	10
Splitting length without add. load		m	5	5	5	5
Additional load		g/m	16	16	16	50
Compressor	Type	Rotary				
	Model		QXF-B096zE190A	QXF-B096zE190A	QXF-B141ZF030A	QXF-D23zX090A
Fans						
Indoor air volume	S/Hi/Hi/Mi/Lo	m ³ /h	560/490/430/330	680/590/490/420	850/720/610/520	1250/1050/950/850
Motor power		W	20	20	35	35
Outside air volume		m ³ /h	1600	2200	2400	3200
Motor power		W	30	30	40	60
Connections						
Connection cable between IU and OU		Type	3+T x 1.5 mm ²			
Refrigerant pipe	Gas	Inches	3/8"	3/8"	1/2"	5/8"
	Liquid	Inches	1/4"	1/4"	1/4"	1/4"
Specifications						
Dimensions (L x H x D)	Indoor U.	mm	790×275×200	845×289×209	970×300×224	1078×325×246
	Outdoor U.	mm	776×540×320	848×596×320	899×596×378	955×700×396
Net weight	Indoor U.	kg	9	10.5	13.5	16.5
	Outdoor U.	kg	29.5	31	39	52.5

¹ EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. ² EU Regulation No.206/2012 -- Value measured according to harmonised standard EN14825. ⁴ Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 2088. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 2088 times higher than 1 kg of CO₂, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.