BREON SERIES

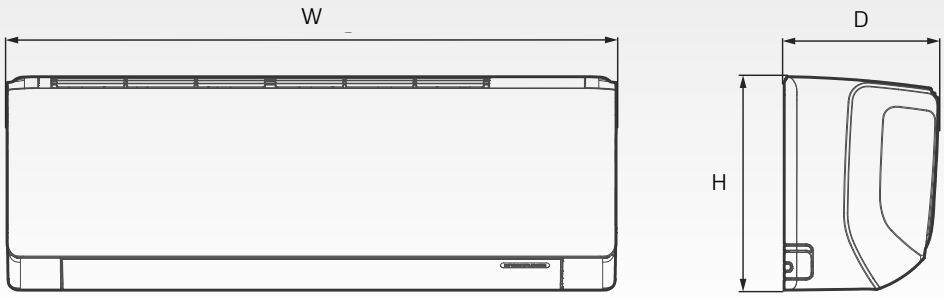
MODEL			SIH+SOH-09BIB	SIH+SOH-12BIB	SIH+SOH-18BIB	SIH+SOH-24BIB	
Capacity cooling / heating 1)	Nominal (min-max)	kW	2,7 (0,6-3,4) / 2,8 (0,6-3,9)	3,2 (0,9-3,7) / 3,5 (0,9-4,1)	4,6 (1,1-5,4) / 5,2 (0,8-5,8)	6,1 (1,8-6,6) / 6,2 (1,3-7,2)	
Power supply		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	
Power supply			outdoor	outdoor	outdoor	outdoor	
Power input cooling / heating 1)		W	725 / 685	941 / 921	1415 / 1387	1786 / 1645	
Maximal power input 2)		W	1500	1600	1900	2300	
Power current cooling / heating		A	3,5 / 3,2	4,2 / 4,4	6,4 / 6,2	7,6 / 7,6	
Maximal power current 2)		A	7,5	7,5	8,5	11,5	
Energy class cooling 3)			A++	A++	A++	A++	
Pdesign cooling		kW	2,7	3,2	4,6	6,1	
SEER			6,8	6,8	7,2	6,8	
Annual power consumption		kWh / annum	139,0	165,0	224,0	314,0	
Energy class heating 3)	Aver. / Warm. / Cool.		A+ / A+++ / -	A+ / A+++ / -	A+ / A+++ / -	A+ / A+++ / -	
Pdesign heating	Average climate	kW	2,6	2,8	3,7	4,6	
SCOP	Average climate		4,2	4,1	4,0	4,0	
Annual power consumption	Average climate	kWh / annum	867,0	956,0	1295,0	1610,0	
Air flow of ID	SH/MH/H/M/L/ML/SL	m³ / h	550/520/480/400/ 340/310/280	650/550/470/420/ 380/350/310	1000/960/870/810/ 720/640/600	1050/900/740/690/ 640/590/540	
Airflow of OD	H	m³ / h	1950	1950	2100	2800	
Sound pressure level of ID at 1m 4)	SH/MH/H/M/L/ML/SL	dB(A)	40/37/35/33/29/26/21	43/38/35/33/29/26/24	46/45/43/41/35/30/26	50/46/44/42/40/36/31	
Sound pressure level of OD at 1m 4)	H	dB(A)	51	52	55	59	
Sound power of ID 4)	SH/MH/H/M/L/ML/SL	dB(A)	57/49/47/45/41/37/34	59/50/47/45/41/38/35	60/58/56/54/48/44/42	65/56/54/52/50/46/47	
Sound power of OD 4)	H	dB(A)	60	63	65	69	
Dehumidifying volume		l / h	0,8	1,4	1,8	1,8	
Refrigerant type / charge		Type / kg / t eq. CO_2	R32 / 0,5 / 0,34	R32 / 0,59 / 0,398	R32 / 0,77 / 0,52	R32 / 1,0 / 0,675	
Additional refrigerant		g / m	16	16	16	16	
Pipe diameter - liquid side 5)		inch / mm	¼ / 6,0	¼ / 6,0	¼ / 6,0	¼ / 6,0	
Pipe diameter - gas side 5)		inch / mm	⅜ / 9,5	⅜ / 9,5	⅜ / 9,5	½ / 12,0	
Max pipe length without additional refrigerant 6)		m	5	5	5	5	
Allowed pipe length 7)	min. / max.	m	3 / 15	3. / 20	3. / 25	3. / 25	
Max. elevation / Drop height		m	10	10	10	10	
Dimension of ID	w × h × d	mm	815x260x190	874x276x206	992×333×252	992×333×252	
Dimensions of outdoor unit	w × h × d	mm	732×555×330	732×555×330	732×555×330	873×555×376	
Package dimension of ID	w × h × d	mm	871x332x265	935x350x275	1051×406×328	1051×406×328	
Package dimensions of outdoor unit	w × h × d	mm	794×615×376	794×615×376	794×615×376	951×620×431	
Weight of ID	netto / brutto	kg	8,5 / 10,0	9,5 / 11,5	13,5 / 16,0	15,0 / 17,5	
Weight of OD	netto / brutto	kg	24,5 / 27,0	24,5 / 27,0	27,5 / 30,0	36,0 / 39,0	
Set temperature range		ºC	16~30	16~30	16~30	16~30	
Operating temperature range cooling 8)		ºC	-15~43	-15~43	-15~43	-15~43	
Operating temperature range heating 8)		ºC	-15~24	-15~24	-15~24	-15~24	
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance of OD	w × d	mm	455×310			528×349	
Communication cable		mm²	4-wire cable *				
Recommended power cable		mm²	3 × 1,5	3 × 1,5	3 × 1,5	3 × 1,5	
Recommended air switch		A	10	10	10	13	
EQUIPMENT							
Plasma generator	indoor		✔	✔	✔	✔	
WiFi module			✔	✔	✔	✔	
Drain pump			-	-	-	-	
Max. lift (from bottom of ID unit)		mm	-	-	-	-	
Door contact			✔	✔	✔	✔	
Alarm contact			-	-	-	-	
Left-right guide louvres			✔	✔	✔	✔	
Throttling method	outdoor		Capillary	Capillary	Capillary	Capillary	
Bottom chassis heater			-	-	-	-	
Crankcase heater			✔	✔	✔	✔	
Bottom plugs for OD			-	-	-	-	
Drain pipe connector			-	-	-	-	
STANDARD ACCESSORIES							
Standard health filter							
Remote controller (IR)			YAP1F7				
Wired controller			-	-	-	-	
OPTIONAL ACCESSORIES							
Optional health filters							
Wired controller			SWC-02C, SWC-04C				
Central controller			SCC-36				
Other			G2S-T, SAI-01, SBG-01				

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.
R32 (single component refrigerant HFC), GWP of refrigerant used: 675.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
Explanatory notes on the very last page of the catalogue.
The device is being sold as a set (indoor + outdoor unit).
* Cross-section of each wire must correspond to the IEC 60364

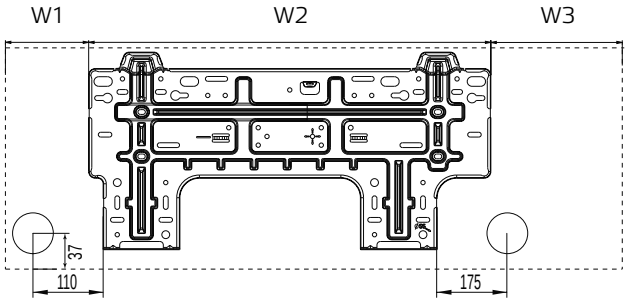
APPEARANCE AND DIMENSIONS OF INDOOR UNIT

BREON SERIES

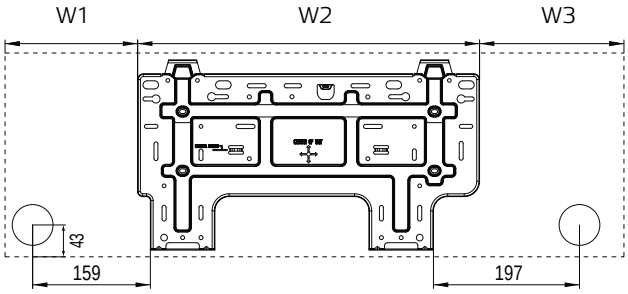
SIH-09BIB, SIH-12BIB, SIH-18BIB, SIH-24BIB



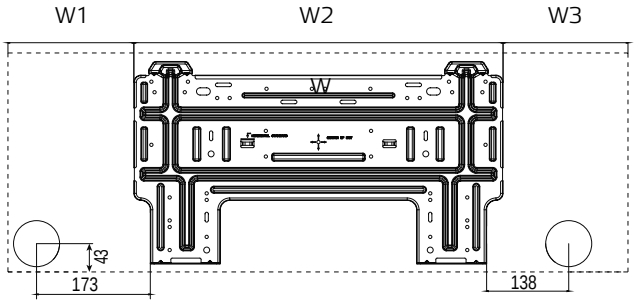
SIH-09BIBx



SIH-12BIBx



SIH-18/24BIBx



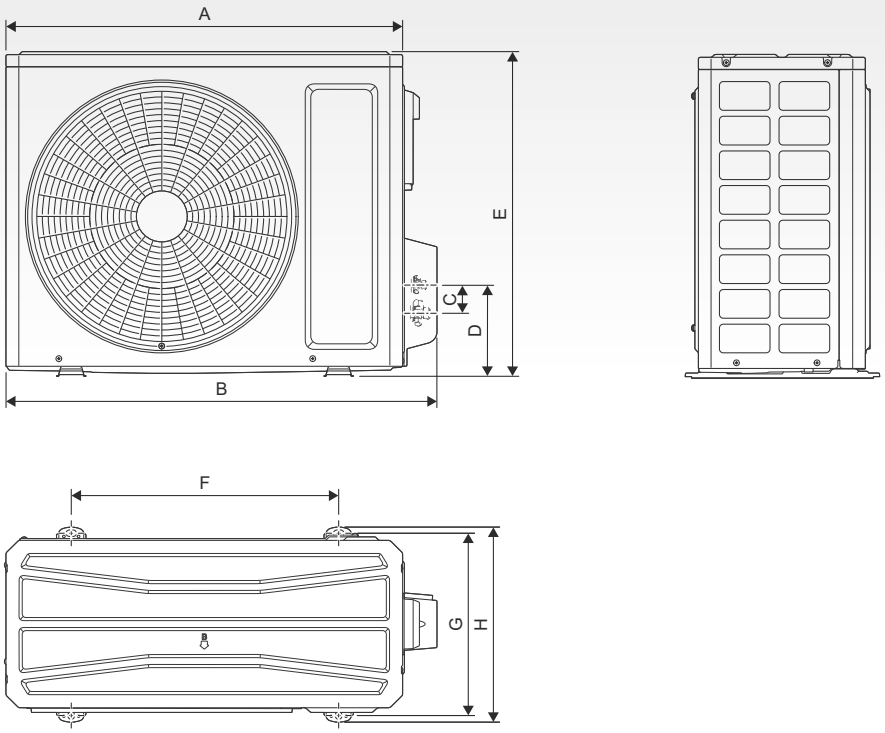
Modely	W	H	D	W1	W2	W3
SIH-09BIBx	815	260	190	152	461	202
SIH-12BIBx	874	276	206	198	462	214
SIH-18/24BIBx	992	333	252	214,5	561,5	216

units: mm

APPEARANCE AND DIMENSIONS OF OUTDOOR UNIT

BREON SERIES

SOH-09BIB, SOH-12BIB, SOH-18BIB, SOH-24BIB



Modely	A	B	C	D	E	F	G	H
SOH-09BIB **SOH-12BIB** **SOH-18BIB**	675	732	65	163	555	455	310	330
SOH-24BIB	805	873	65	163,7	555	528	349	376

units: mm