

Boria Technical Specification

Model BORIA		Indoor	BO09IDU	BO12IDU	BO18IDU
		Outdoor	IR09ODU	IR12ODU	IR18ODU
Cooling					
Capacity	Nominal (Min-Max)	Btu/h	9000	12000	18000
	Nominal	kW	2.60	3.50	5.00
	Range(Min-Max)	kW	(0.80-3.00)	(0.80-3.60)	(1.30-5.80)
Energy Efficiency	SEER		6.10	6.10	6.10
Energy Efficiency	EER		3.23	2.90	3.23
Energy Class			A++	A++	A++
Pdesign Capacity		kW	2.60	3.50	5.00
Power Input	Nominal	kW	0.804	1.207	1.548
Power Input	Range(Min-Max)	kW	(0.30-1.20)	(0.30-1.60)	(0.40-2.00)
Annual Energy Consumption		kWh/a	149	201	287
Operating Limits	Min-Max	°C	-10-43°C(out)	-10-43°C(out)	-10-43°C(out)
Heating					
Capacity	Nominal (Min-Max)	Btu/h	9555(2730-10920)	11940(2730-14330)	17740(4770-20470)
Capacity	Nominal	kW	2.80	3.50	5.20
Capacity	Range (Min-Max)	kW	(0.80-3.20)	(0.80-4.20)	(1.40-6.00)
Energy Efficiency	SCOP		4.00	4.00	4.00
Energy Efficiency	COP (Mild)		3.71	3.71	3.71
Energy Efficiency	SCOP (Warm/Cold)		5.10/-	5.10/-	5.10/-
Energy Class	Mild/Warm/Cold		A+/A+++/-	A+/A+++/-	A+/A+++/-
Pdesign Capacity (-10°C)		kW	2.40	2.80	4.60
Power Input	Nominal	kW	0.754	0.943	1.401
Power Input	Range(Min-Max)	kW	(0.30-1.40)	(0.30-1.60)	(0.52-2.50)
Annual Energy Consumption		kWh/a	840	980	1610
Operating Limits		°C	-15-24°C(out)	-15-24°C(out)	-15-24°C(out)
Power Supply	Ph/V/Hz		1/220-240/50	1/220-240/50	1/220-240/50
	Position		outdoor	outdoor	outdoor

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		Outdoor	IR09ODU	IR12ODU	IR18ODU
Indoor					
Net Dimension	W/D/H	mm	805/200/290	805/200/290	975/220/320
Package Dimension	W/D/H	mm	874/270/363	874/270/363	1050/301/397
Net/Shipping Weight		kg	8.3/10.5	8.3/10.5	11.6/14.4
Air Flow (Cooling/Heating)	Max	m³/h	550	600	900
Sound Power Level	Cooling (Hi)	dB(A)	54	56	57
	Heating (Hi)	dB(A)	54	56	57
Sound Pressure Level	Cooling (Hi/Mid/Lo/So)	dB(A)	37/32/28/18	37/33/29/19	44/40/35/28
	Heating (Hi/Mid/Lo/So)	dB(A)	37/32/28/18	37/33/29/19	44/40/35/28
Moisture Removal		l0-3m³/h	1	1.3	2
Outdoor					
Compressor			HIGHLY	HIGHLY	HIGHLY
Net Dimension	W/D/H	mm	700/245/544	700/245/544	800/275/553
Package Dimension	W/D/H	mm	819/320/585	819/320/585	902/375/607
Net/Shipping Weight		kg	22.8/25.3	23.6/26.1	32.7/36.5
Air Flow (Cooling/Heating)	Max	m³/h	2100	2100	2500
Sound Power Level	Hi	dB(A)	62	63	65
Sound Pressure Level	Hi	dB(A)	49	50	53
Running Current	Max	A	6.2	7.1	11.3
Refrigerant Type	R410a/R32		R32	R32	R32
Refrigerant Charge	R410a/R32	g	520	530	900
Refrigerant Pipe	Liquid Side Diameter		6.35	6.35	6.35
	Gas Side Diameter		9.52	9.52	12.7
	Max Pipe Length/Height		20/10	20/10	25/15
	Max Pipe Length without Additional Charge		5	5	7
	Additional Charge		20	20	20