

# ROUND FLOW CASSETTE

MODEL	Indoor <b>NEW</b>		AB71S2SR1FA(H)	AB105S2SR1FA(H)	AB125S2SR1FA(H)	
	Outdoor <b>NEW</b>		1U71S2SR3FA	1U105S2SQ1FA	1U125S2SN3FA	
<b>Performance data</b>						
Output power - COOLING	nom (min-max)	kW	7,1(2,0-8,2)	9,5(2,5-10,0)	12,4(3,0-13,0)	
Output power - HEATING	nom (min-max)	kW	7,9(2,5-8,5)	10,5(3,0-12,5)	13,5(4,0-15,5)	
Absorbed power - COOLING	nom (min-max)	kW	2,20(0,50-4,00)	2,79(0,50-4,00)	4,13(1,00-6,00)	
Absorbed power - HEATING	nom (min-max)	kW	2,13(0,50-4,00)	2,83(0,50-4,00)	3,85(1,00-6,00)	
Energy class	EER	W/W	3,23	3,40	3,00	
	COP	W/W	3,72	3,71	3,50	
COOLING Pdesign	35 °C	kW	7,1	9,5	12,50	
HEATING Pdesign	(-10 °C)	kW	5,0	7,2	8,30	
Energy class	SEER		6,10 (A++)	6,20 (A++)	6,10 (A++)	
	SCOP		4,00 (A+)	4,05 (A+)	4,00 (A+)	
Annual Energy Consumption - COOLING		kWh/a	406	544	736	
Annual Energy Consumption - HEATING		kWh/a	1831	2792	3003	
<b>Indoor Unit</b>						
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	
Treated air volume	H/M/L/Q	m <sup>3</sup> /h	1260/1100/900/700	1920/1750/1550/1250	1950/1650/1480/1250	
High sound power		dB	57	62	64	
Sound pressure		dB(A)	42/40/38/35	45/42/38/34	47/44/38/34	
Net dimensions	WxDxH	mm	840x840x204	840x840x246	840x840x288	
Packaging dimensions	WxDxH	mm	978x978x269	978x978x269	978x978x353	
Net/gross weight		kg	23/28	24/31	27/33	
Panel	Model		PB-950QB(H)	PB-950QB(H)	PB-950QB(H)	
Panel Net dimensions	WxDxH	mm	950x950x50	950x950x50	950x950x50	
Panel Packaging dimensions	WxDxH	mm	1013x1035x125	1013x1035x125	1013x1035x125	
Panel Net/gross weight		kg	5,5/8,5	5,5/8,5	5,5/8,5	
<b>Outdoor Unit</b>						
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	
Power cable		N x mm <sup>2</sup>	3 x 4,0	3 x 4,0	3 x 6,0	
Interconnection cable		N x mm <sup>2</sup>	4 x 2,5	4 x 2,5	4 x 2,5	
Sound power	H	dB	68	68	72	
Sound pressure	H	dB(A)	54	54	58	
Running current cooling/heating	Max	A	13,1	16,5	26,0	
Starting current cooling/heating	Max	A	2,0	3,0	4,0	
Net dimensions	WxDxH	mm	890x340x700	950x370x815	950x370x965	
Packaging dimensions	WxDxH	mm	985x430x720	1085x465x850	1050x485x1130	
Net/gross weight		kg	37,0/42,0	56,0/60,0	63,0/73,0	
Compressor type			Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	
<b>Installation data</b>						
Refrigerant			R32	R32	R32	
Liquid pipe	∅	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	
Gas pipe	∅	mm (inch)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	
Standard pipe length without refrigerant charge		m	10	30	30	
Maximum pipe length		m	50	50	50	
Maximum IU - OU elevation		m	30	30	30	
Refrigerant charge in the factory		kg	1,30	1,70	2,30	
Refrigerant charge in the factory		TCO <sub>2</sub> eq	0,83	1,15	1,55	
Additional ref. charge over std length		g/m	45	45	45	
Operating limits - COOLING (in/out)	min-max	°C	-20-46	-20-46	-20-46	
Operating limits - HEATING (in/out)	min-max	°C	-20-24	-20-24	-20-24	