Haier

NEW

ROUND FLOW CASSETTE

7,1 kW
10,5 kW
12,5 kW
14,0 kW
16,0 kW

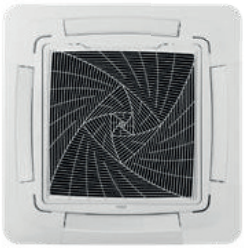
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Please see pages 31 & 32
For Controller Options

Unit R32 compatible R410A

hOn
Integrated
Wi-Fi Control







The new Haier Round Flow Cassette is the ideal choice for offices, shops, hotels, and restaurants. It features Fresh Air technology for constant ventilation and an 8-way airflow system (with 4 independent directions) for greater distribution of air (+23%) compared to traditional models. This ensures a 360-degree airflow without any blind spots. Operating quietly with low sound levels, it also offers optional Intelligent Sensor technology and convenient Wi-Fi control via the hOn app for effortless remote management.

KEY FEATURES



Silence


8 Way
Independent


Fresh Air



UVC
Sterilisation

Technical specifications on next page ⟶

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ROUND FLOW CASSETTE



MODEL	Indoor NEW		AB71S2SR1FA(H)	AB105S2SR1FA(H)	AB105S2SR1FA(H)	AB125S2SR1FA(H)
	Outdoor		1U71S2ST1FA	1U105S2SS2FA	1U105S2SS1FB	1U125S2SN2FA
Performance data						
Output power - COOLING	nom (min-max)	kW	7,1(2,0~7,3)	9,2(2,5~10,0)	9,2(2,5~10,0)	12,3(3,0~13,0)
Output power - HEATING	nom (min-max)	kW	7,9(2,5~8,0)	10,1(3,0~10,5)	10,5(3,0~11,0)	12,7(3,5~13,5)
Absorbed power – COOLING	nom (min-max)	kW	2,00(0,50~2,60)	3,12(0,50~4,00)	3,25(0,50~4,00)	4,84(1,00~6,00)
Absorbed power – HEATING	nom (min-max)	kW	2,11(0,50~2,60)	2,91(0,50~4,00)	3,10(0,50~4,00)	4,44(1,00~6,00)
Energy class	EER	W/W	3,55	3,00	3,00	2,54
	COP	W/W	3,75	3,50	3,50	2,86
COOLING Pdesign	35 °C	kW	7,1	9,2	9,20	12,30
HEATING Pdesign	(-10 °C)	kW	5,0	7,0	6,00	8,30
Energy class	SEER		6,85 (A++)	5,90 (A+)	5,90 (A+)	5,68 (A+)
	SCOP		4,23 (A+)	3,80 (A)	3,91 (A)	3,93 (A)
Annual Energy Consumption - COOLING		kWh/a	406	555	555	740
Annual Energy Consumption - HEATING		kWh/a	1831	2780	2136	3032
Indoor Unit						
Power supply		Ph/V/Hz	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60
Treated air volume	H/M/L/Q	m3/h	1260/1100/900/700	1920/1750/1550/1250	1920/1750/1550/1250	1950/1650/1480/1250
High sound power		dB	57	62	63	64
Sound pressure		dB(A)	42/40/38/35	45/42/38/34	45/42/38/34	47/44/38/34
Net dimensions	WxDxH	mm	840x840x204	840x840x246	840x840x246	840x840x288
Packaging dimensions	WxDxH	mm	978x978x269	978x978x269	978x978x269	978x978x353
Net/gross weight		kg	23/28	24/31	24/31	27/33
Panel	Model		PB-950QB(H)	PB-950QB(H)	PB-950QB(H)	PB-950QB(H)
Panel Net dimensions	WxDxH	mm	950x950x50	950x950x50	950x950x50	950x950x50
Panel Packaging dimensions	WxDxH	mm	1013x1035x125	1013x1035x125	1013x1035x125	1013x1035x125
Panel Net/gross weight		kg	5,5/8,5	5,5/8,5	5,5/8,5	5,5/8,5
Outdoor Unit						
Power supply		Ph/V/Hz	1/220~240/50/60	1/220~240/50/60	3/380~415/50/60	1/220~240/50/60
Power cable		N x mm2	3 x 4,0	3 x 4,0	5 x 4,0	3 x 6,0
Interconnection cable		N x mm2	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5
Sound power	H	dB	68	66	68	72
Sound pressure	H	dB(A)	54	53	54	58
Running current cooling/heating	Max	A	13,1	16,5	6,8	26,0
Starting current cooling/heating	Max	A	2,0	3,0	1,0	4,0
Net dimensions	WxDxH	mm	890x340x705	920x372x765	920x372x765	950x370x965
Packaging dimensions	WxDxH	mm	1046x460x780	1036x478x820	1085x485x830	1050x485x1130
Net/gross weight		kg	44,0/48,0	60,0/65,0	61,0/66,0	84,0/89,0
Compressor type			Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
Installation data						
Refrigerant			R32	R32	R32	R32
Liquid pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
Gas pipe	Ø	mm (inch)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	10	30	30	30
Maximum pipe length		m	50	50	50	50
Maximum IU - OU elevation		m	30	30	30	30
Refrigerant charge in the factory		kg	1,23	1,70	1,70	2,30
Refrigerant charge in the factory		TCO2eq	0,83	1,15	1,15	1,55
Additional ref. charge over std length		g/m	45	45	45	45
Operating limits - COOLING (in/out)	min-max	°C	-20~46	-20~46	-20~46	-20~46
Operating limits - HEATING (in/out)	min-max	°C	-20~24	-20~24	-20~24	-20~24

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	AB125S2SR1FA(H)	AB140S2SR1FA(H)	AB140S2SR1FA(H)	AB140S2SR1FA(H)	AB140S2SR1FA(H)	AB160S2SR1FA(H)
	1U125S2SN2FB	1U140S2SN1FA	1U140S2SN1FB	1U140S2SP2FA	1U140S2SP2FB	1U160S2SP1FB
	12,4(3,0~13,0)	13,4(3,5~14,0)	13,4(3,5~14,0)	13,6(4,0~15,0)	13,6(4,0~15,0)	15,0(4,5~16,0)
	12,8(3,5~13,5)	15,0(4,0~15,5)	15,0(4,0~15,5)	15,0(4,5~16,0)	15,0(4,5~16,0)	16,0(5,0~17,0)
	4,81(1,00~6,00)	5,51(1,00~6,50)	5,28(1,00~6,50)	4,86(1,00~6,00)	4,98(1,00~6,00)	5,03(1,00~6,50)
	4,41(1,00~6,00)	5,77(1,00~6,50)	5,70(1,00~6,50)	4,75(1,00~6,00)	4,67(1,00~6,00)	5,26(1,00~6,50)
	2,58	2,43	2,54	2,80	2,73	2,98
	2,93	2,60	2,63	3,10	3,06	3,04
	12,40	13,40	13,40	13,60	13,60	15,00
	8,30	8,50	8,50	10,00	10,00	11,00
	5,71 (A+)	5,60 (A+)	5,62 (A+)	5,70 (A+)	5,70 (A+)	5,96 (A+)
	3,96 (A)	3,93 (A)	3,96 (A)	3,94 (A)	3,99 (A)	3,99 (A)
	736	838	834	800	782	880
	3003	3032	3003	3768	3748	3859
	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60
	1950/1650/1480/1250	1950/1650/1480/1250	1950/1650/1480/1250	1950/1650/1480/1250	1950/1650/1480/1250	2050/1950/1650/1300
	64	64	64	64	64	65
	47/44/38/34	47/44/38/34	47/44/38/34	47/44/38/34	47/44/38/34	48/44/38/34
	840x840x288	840x840x288	840x840x288	840x840x288	840x840x288	840x840x288
	978x978x353	978x978x353	978x978x353	978x978x353	978x978x353	978x978x353
	27/33	27/33	27/33	27/33	27/33	27/33
	PB-950QB(H)	PB-950QB(H)	PB-950QB(H)	PB-950QB(H)	PB-950QB(H)	PB-950QB(H)
	950x950x50	950x950x50	950x950x50	950x950x50	950x950x50	950x950x50
	1013x1035x125	1013x1035x125	1013x1035x125	1013x1035x125	1013x1035x125	1013x1035x125
	5,5/8,5	5,5/8,5	5,5/8,5	5,5/8,5	5,5/8,5	5,5/8,5
	3 /380-415/50/60	1/220~240/50/60	3/380-415/50/60	1/220~240/50/60	3/380~415/50/60	3/380~415/50/60
	5 x 4,0	3 x 6,0	5 x 4,0	3 x 6,0	5 x 4,0	5 x 4,0
	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5
	72	72	72	70	70	72
	58	58	58	53	53	58
	10,0	30,0	10,0	32,0	10,0	10,0
	2,0	5,0	2,0	6,0	2,0	2,0
	950x370x965	950x370x965	950x370x965	950x370x1350	950x370x1350	950x370x1350
	1050x485x1130	1050x485x1130	1050x485x1130	1050x485x1500	1050x485x1500	1050x485x1500
	85,0/90,0	84,0/89,0	85,0/90,0	105,0/118,0	101,0/116,0	101,0/116,0
	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
	R32	R32	R32	R32	R32	R32
	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	19,05 (3/4)
	30	30	30	30	30	30
	50	70	70	70	70	70
	30	30	30	30	30	30
	2,30	2,30	2,30	2,90	3,50	3,50
	1,55	1,55	1,55	1,96	2,36	2,36
	45	45	45	45	45	60
	-20~46	-20~46	-20~46	-20~46	-20~46	-20~46
	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24

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ROUND FLOW CASSETTE



MODEL	Indoor NEW		AB71S2SR1FA(H)	AB105S2SR1FA(H)	AB125S2SR1FA(H)	
	Outdoor NEW		1U71S2SR3FA	1U105S2SQ1FA	1U125S2SN3FA	
Performance data						
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	
Indoor Unit						
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	m3/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	
Outdoor Unit						
Power supply		Ph/V/Hz	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	
Power cable		N x mm2	3 x 4,0	3 x 4,0	3 x 6,0	
Interconnection cable		N x mm2	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	
Installation data						
Refrigerant			R32	R32	R32	
Liquid pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	
Gas pipe	Ø	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		TCO2eq	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	

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	AB125S2SR1FA(H)	AB140S2SR1FA(H)	AB140S2SR1FA(H)
	1U125S2SN3FB	1U140S2SN2FA	1U140S2SN2FB
	12,4(3,0~13,0)	13,4(3,5~14,0)	13,4(3,5~14,0)
	13,5(4,0~15,5)	15,0(4,0~15,5)	15,0(4,0~15,5)
	4,13(1,00~6,00)	5,51(1,00~6,50)	5,51(1,00~6,50)
	3,85(1,00~6,00)	5,77(1,00~6,50)	5,77(1,00~6,50)
	3,00	2,43	2,54
	3,50	2,60	2,63
	12,50	13,40	13,40
	8,30	8,50	8,50
	6,10 (A++)	5,60 (A+)	5,62 (A+)
	4,00 (A+)	4,00 (A+)	4,00 (A+)
	736	838	838
	3003	3032	3032
	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60
	1950/1650/1480/1250	1950/1650/1480/1250	1950/1650/1480/1250
	64	64	64
	47/44/38/34	47/44/38/34	47/44/38/34
	840x840x288	840x840x288	840x840x288
	978x978x353	978x978x353	978x978x353
	27/33	27/33	27/33
	PB-950QB(H)	PB-950QB(H)	PB-950QB(H)
	950x950x50	950x950x50	950x950x50
	1013x1035x125	1013x1035x125	1013x1035x125
	5,5/8,5	5,5/8,5	5,5/8,5
	3 /380-415/50/60	1/220~240/50/60	3/380-415/50/60
	5 x 4,0	3 x 6,0	5 x 4,0
	4 x 2,5	4 x 2,5	4 x 2,5
	72	74	74
	58	58	58
	10,0	30,0	10,0
	2,0	5,0	2,0
	950x370x965	950x370x965	950x370x965
	1050x485x1130	1050x485x1130	1050x485x1130
	63,0/73,0	68,0/78,0	68,0/78,0
	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
	R32	R32	R32
	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)
	30	30	30
	50	70	70
	30	30	30
	2,30	2,50	2,50
	1,55	1,55	1,55
	45	45	45
	-20~46	-20~46	-20~46
	-20~24	-20~24	-20~24

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