

















RESIDENTIAL MULTISPLIT












RESIDENTIAL MULTISPLIT INVERTER

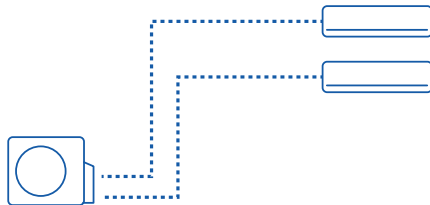
INDOOR UNITS MULTISPLIT R32						
SERIES	2,0 kW	2,5 kW	3,5 kW	4,2 kW	5,0 kW	7,1 kW
JADE		 AS25S2SJ1FA-3	 AS35S2SJ1FA-3		 AS50S2SD1FA-3	
NEW EXPERT	 AS20XCAHRA	 AS25XCAHRA	 AS35XCAHRA	 AS42XCAHRA	 AS50XCAHRA	
FLEXIS PLUS Black	 AS20S2SF1FA-MB3	 AS25S2SF1FA-MB3	 AS35S2SF1FA-MB3	 AS42S2SF1FA-MB3	 AS50S2SF1FA-MB3	 AS71S2SF1FA-MB3
FLEXIS PLUS White	 AS20S2SF1FA-MW3	 AS25S2SF1FA-MW3	 AS35S2SF1FA-MW3	 AS42S2SF1FA-MW3	 AS50S2SF1FA-MW3	 AS71S2SF1FA-MW3
PEARL	 AS20PBAHRA	 AS25PBAHRA	 AS35PBAHRA		 AS50PBAHRA	
TUNDRA PLUS		 AS25TAEHRA-CLC	 AS35TADHRA-CLC		 AS50TDDHRA-CLC	 AS68TEDHRA-CLC
TIDE		 AS25THMHRA-C	 AS35TAMHRA-C		 AS50TDMHRA-C	 AS68TEMHRA-C
CONSOLE		 AF25S2SD1FA/ AD71S2SM3FA(H)	 AF35S2SD1FA/ AF35S2SD1FA(H)	 AF42S2SD1FA/ AF42S2SD1FA(H)		
CASSETTE 620		 AB25S2SC2FA/ AB25S2SC2FA-1	 AB35S2SC2FA/ AB35S2SC2FA-1		 AB50S2SC2FA/ AB50S2SC2FA-1	
CASSETTE ROUND FLOW						 AB71S2SG1FA
CEILING FLOOR			 AC35S2SG1FA		 AC50S2SG1FA	 AC71S2SG1FA
SLIM DUCT LOW PRESSURE		 AD25S2SS1FA/ AD25S2SS1FA(H)	 AD35S2SS1FA/ AD35S2SS1FA(H)		 AD50S2SS1FA/ AD50S2SS1FA(H)	 AD71S2SS1FA/ AD71S2SS1FA(H)
DUCTED MEDIUM PRESSURE			 AD35S2SM3FA/ AD35S2SM3FA(H)		 AD50S2SM3FA/ AD50S2SM3FA(H)	 AD71S2SM3FA/ AD71S2SM3FA(H)

The expressed kW/Btu is for cooling classification. For exact values, see the technical data tables of the individual models.

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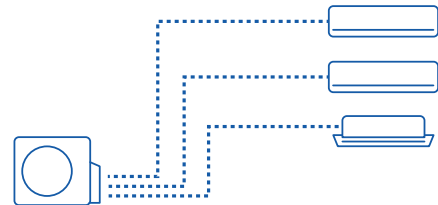
OUTDOOR UNITS MULTISPLIT R32								
4,0 kW	5,0 kW	5,5 Kw	7,0 kW	7,5 kW	8,5 kW	9,0 kW	10,5 kW	12,5kW
1:2		1:3		1:4		1:5		
								
2U40S2SM1FA	2U50S2SM1FA-3	3U55S2SR5FA	3U70S2SR5FA	4U75S2SR5FA	4U85S2SR5FA	5U90S2SS5FA	5U105S2SS5FA	5U125S2SN1FA
Self-clean								

COMPATIBLE UNITS 1:2



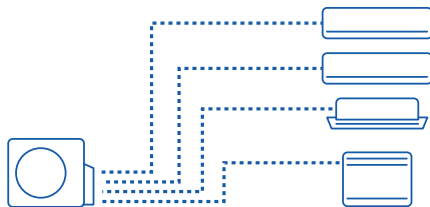
Wall

COMPATIBLE UNITS 1:3



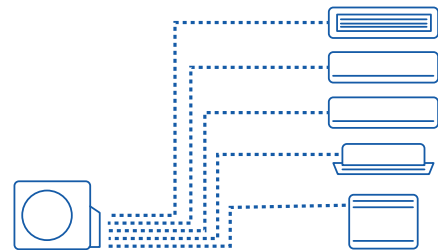
Wall - Cassettes - Floor Ceiling - Console - Ducted

COMPATIBLE UNITS 1:4



Wall - Cassettes - Floor Ceiling - Console - Ducted

COMPATIBLE UNITS 1:5



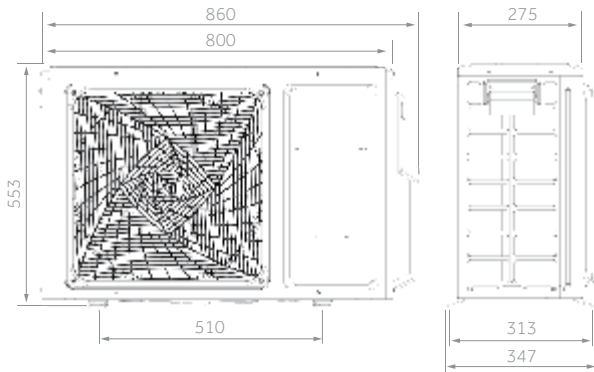
Wall - Cassettes - Floor Ceiling - Console - Ducted

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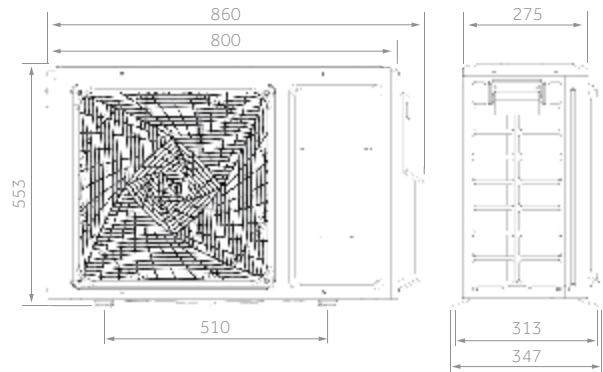
Residential MultiSplit OUTDOOR UNITS

2U40S2SM1FA (2 couplings)



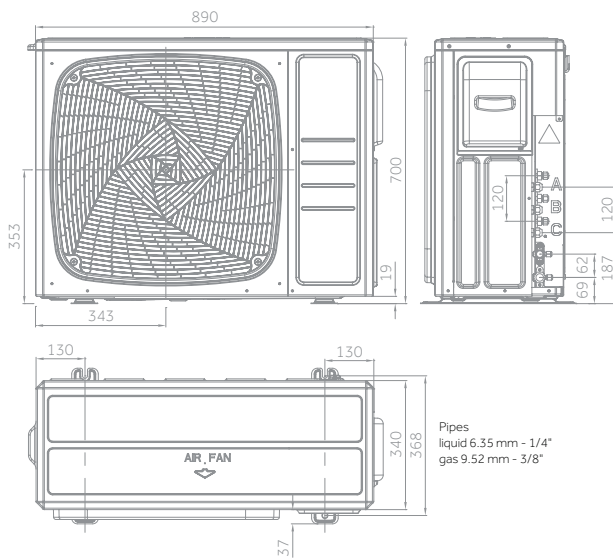
Tubazioni
liquido 6,35mm - (1/4")
gas 9,52mm - (3/8")

2U50S2SM1FA-3 (2 couplings)



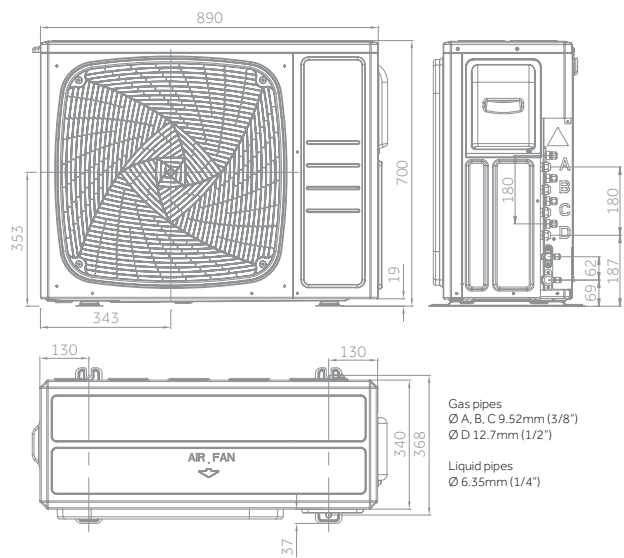
Tubazioni
liquido 6,35mm - (1/4")
gas 9,52mm - (3/8")

3U55S2SR5FA - 3U70S2SR5FA (3 couplings)



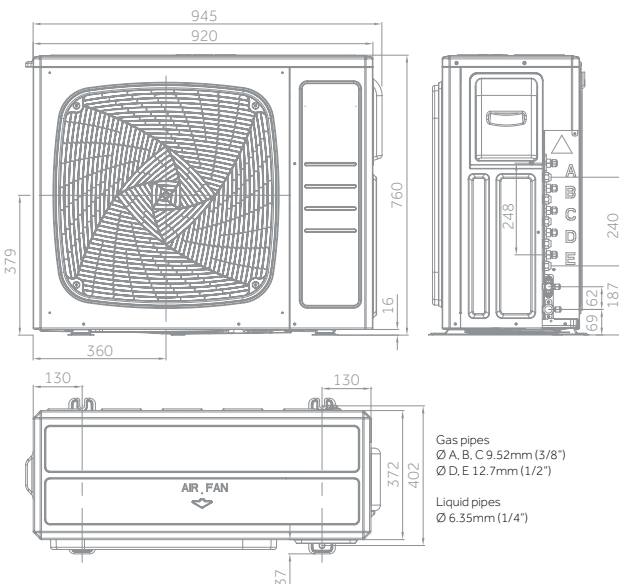
Pipes
liquid 6.35 mm - 1/4"
gas 9.52 mm - 3/8"

4U75S2SR5FA - 4U85S2SR5FA (4 couplings)



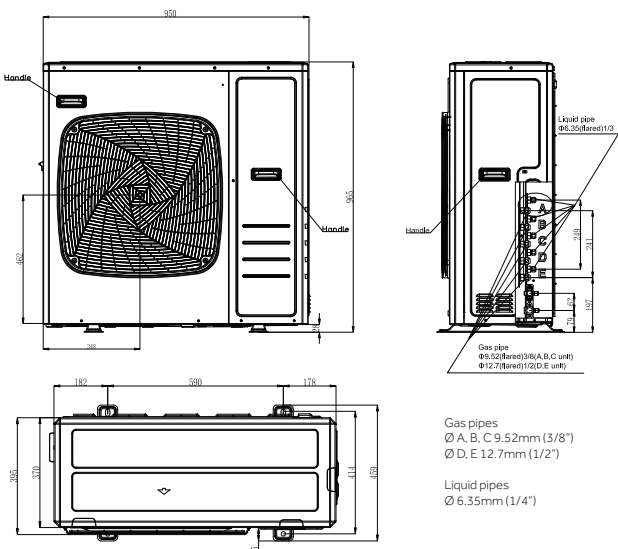
Gas pipes
Ø A, B, C 9.52mm (3/8")
Ø D 12.7mm (1/2")
Liquid pipes
Ø 6.35mm (1/4")

5U90S2SS5FA - 5U105S2SS5FA (5 couplings)



Gas pipes
Ø A, B, C 9.52mm (3/8")
Ø D, E 12.7mm (1/2")
Liquid pipes
Ø 6.35mm (1/4")

5U125S2SN1FA (5 couplings)



Gas pipes
Ø A, B, C 9.52mm (3/8")
Ø D, E 12.7mm (1/2")
Liquid pipes
Ø 6.35mm (1/4")

Residential MultiSplit OUTDOOR UNITS

Haier

MULTISPLIT RESIDENTIAL



1:2 2U40S2SM1FA
2U50S2SM1FA-3



1:3 3U55S2SR5FA
3U70S2SR5FA



1:4 4U75S2SR5FA
4U85S2SR5FA



1:5 5U90S2SS5FA
5U105S2SS5FA
5U125S2SN1FA

NEW

*Expected launch date July 2022

NEW

4,0 kW

5,0 kW

5,5 Kw

7,0 kW

7,5 kW

8,5 kW

9,0 kW

10,5 kW

12,5 kW

Outdoor UNIT	Model		2U40S2SM1FA	2U50S2SM1FA-3	3U55S2SR5FA	3U70S2SR5FA	4U75S2SR5FA	4U85S2SR5FA	5U90S2SS5FA	5U105S2SS5FA	5U125S2SN1FA	
Performance data												
Output power - COOLING	nom (min-max)	kW	4,00(1,00-4,50)	5,00(1,10-5,60)	5,50(2,10-7,00)	7,00(2,40-7,60)	7,50(2,40-8,70)	8,50(3,20-9,50)	9,00(3,20-11,00)	10,00(3,20-11,00)	12,50(3,20-13,80)	
Output power - HEATING	nom (min-max)	kW	4,40(1,50-4,80)	5,20(1,40-6,00)	6,80(1,70-7,60)	7,60(2,90-8,50)	8,60(3,10-10,00)	9,60(4,40-10,50)	10,40(4,40-11,50)	10,50(4,40-11,50)	12,70(4,40-14,30)	
Absorbed power - COOLING	nom	kW	1,00	1,43	1,35	1,84	1,97	2,50	2,79	3,47	3,87	
Absorbed power - HEATING	nom	kW	1,07	1,40	1,66	1,85	2,15	2,40	2,79	2,82	3,40	
Energy class	EER	W/W	4,00	3,45	4,00	3,81	3,80	3,40	3,23	2,88	3,23	
	COP	W/W	4,10	3,71	4,10	4,10	4,00	4,00	3,73	3,73	3,73	
COOLING Pdesign	35 °C	kW	4,00	5,00	5,50	7,00	7,50	8,00	9,00	10,00	12,50	
HEATING Pdesign	(-10 °C)	kW	3,30	4,70	4,70	6,00	6,30	7,00	7,20	8,00	9,50	
Energy class	SEER		6,50 (A++)	6,50 (A++)	8,50 (A+++)	7,50 (A++)	7,00 (A++)	7,00 (A++)	7,00 (A++)	7,00 (A++)	7,10 (A++)	
	SCOP		4,00 (A+)	4,00 (A+)	4,00 (A+)	4,20 (A+)	4,00 (A+)	4,00 (A+)	4,00 (A+)	4,00 (A+)	4,05 (A+)	
Annual Energy Consumption - COOLING		kWh/a	269	269	227	332	379	456	457	537	622	
Annual Energy Consumption - HEATING		kWh/a	1645	1645	1678	2012	2179	2503	2441	2889	3346	
Outdoor unit												
Power supply		Ph/V/Hz	1/220-240/50/60									
Power cable		N x mm ²	3x2,5	3x2,5	3x4,0	3x4,0	3x4,0	3x4,0	3x4,0	3x4,0	3x4,0	
Interconnection cable		N x mm ²	4x1,0	4x1,0	4x2,5	4x2,5	4x2,5	4x2,5	4x2,5	4x2,5	4x2,5	
Air volume	H	m ³ /h	2200	2400	3000	3000	4000	4000	4200	4200	4200	
Sound power	H	dB	62	63	64	66	68	68	70	70	73	
Sound pressure	H	dB(A)	52	53	51	53	55	55	55	55	58	
Running current cooling/heating	Max	A	7,3/8,2	9,1/9,1	10,8/9,5	11,9/9,7	14,7/13,5	15,5/14,6	18,2/14,6	18,2/14,6	23,0/18,7	
Starting current cooling/heating	Max	A	3,0/3,0	3,0/3,0	4,0/4,0	4,0/4,0	5,0/5,0	5,0/5,0	5,0/5,0	5,0/5,0	5,0/5,0	
Net dimensions	WxDxH	mm	800x275x553	800x275x553	890x340x700	890x340x700	890x340x700	890x340x700	920x372x760	920x372x760	950x370x965	
Packaging dimensions	WxDxH	mm	954x409x625	954x409x625	1010x455x835	1010x455x835	1010x455x835	1010x455x835	1045x488x890	1045x488x890	1050x485x1170	
Net/gross weight		kg	34,0/37,0	36,0/39,0	50,0/59,0	54,0/63,0	61,0/70,0	61,0/70,0	66,0/77,0	66,0/77,0	79,0/91,0	
Compressor type			Twin Rotary Inverter									
Installation data												
Refrigerant			R32	R32	R32	R32	R32	R32	R32	R32	R32	
Liquid pipe	Ø	mm (inch)	2×6,35 (3x1/4)	2×6,35 (3x1/4)	3×6,35 (3x1/4)	3×6,35 (3x1/4)	4×6,35 (4x1/4)	4×6,35 (4x1/4)	5×6,35 (5x1/4)	5×6,35 (5x1/4)	5×6,35 (5x1/4)	
Gas pipe	Ø	mm (inch)	2×9,52 (3x3/8)	2×9,52 (3x3/8)	3×9,52 (3x3/8)	3×9,52 (3x3/8)	3×9,52+1×12,70 (3x3/8+1x1/2)	3×9,52+1×12,70 (3x3/8+1x1/2)	3×9,52+2×12,70 (3x3/8+2x1/2)	3×9,52+2×12,70 (3x3/8+2x1/2)	3×9,52+2×12,70 (3x3/8+2x1/2)	
Standard pipe length without refrigerant charge		m	20	20	30	30	40	40	40	40	50	
Maximum pipe length		m	30	30	50	60	70	70	80	80	100	
Maximum IU - OU elevation		m	15	15	15	15	15	15	15	15	15	
Maximum IU - IU elevation		m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	
Refrigerant charge in the factory		kg	1,00	1,40	1,40	1,60	1,60	2,20	2,40	2,40	2,50	
Refrigerant charge in the factory		TCO ₂ eq	0,68	0,95	0,95	1,08	1,08	1,49	1,62	1,62	1,69	
Additional ref. charge over std length		g/m	20	20	20	20	20	20	20	20	20	
Operating limits - COOLING	min-max	°C	-10-43°C				-10-46°C					
Operating limits - HEATING	min-max	°C	-15-24°C									

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