

TECHNICAL SPECIFICATION

* Acoustic pressure at 1m from heat pump

** Acoustic pressure at 5m from heat pump

Designation	Unit	Alfea Excellia	Alfea Excellia	Alfea Axcellia	Alfea Excellia	Alfea Excellia
		Duo A.I 11	Duo A.I 14	Duo A.I TRI 11	Duo A.I TRI 14	Duo A.I TRI 16
PRODUCT CODE		AH526355	AH526356	AH526357	AH526358	AH526359
Refrigerant		R410A	R410A	R410A	R410A	R410A
Heating capacity +7°C/+35°C - floor heating	kW	10.8	13.5	10.8	13	15.17
Heating capacity +7°C/+35°C - floor heating		4.25	4.18	4.3	4.18	4.1
Heating capacity -7°C/+35°C - floor heating	kW	10.38	11.54	10.38	12.2	12.98
COP -7°C/+35°C - floor heating		2.4	2.27	2.43	2.38	2.4
Heating capacity +7°C/+45°C - Low T° radiators	kW	9.05	11.32	9.9	12.1	12.75
COP +7°C/+45°C - Low T° radiators		3.21	3.07	3.32	3.2	3.21
Heating capacity -7°C/+45°C - Low T° radiators	kW	9.16	11.41	9.98	10.7	12.95
COP -7°C/+45°C - Low T° radiators		2	1.93	2.16	2.08	2.03
Heating capacity +7°C/+55°C - radiators	kW	7.59	9.48	9.29	10.6	12.71
COP +7°C/+55°C - radiators		2.47	2.4	2.64	2.41	2.52
Heating capacity -7°C/+55°C - radiators	kW	7.57	9.2	9.27	10.1	12
COP -7°C/+55°C - radiators	kW	1.66	1.81	1.82	1.79	1.74
Heating capacity +7°C/+60°C - radiators	kW	7.05	8.81	9.25	11.5	12.49
Heating capacity -7°C/+60°C - radiators		6.71	8.42	8.48	10.1	10.9
Electric back-up heater (standard)	kW	3	3	9	9	9
Energy Efficiency & Acoustic Characteristics with Outdoor Sensor						
Energy class - heating (35°C/55°C)	-	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Rated heat output (35°C/55°C)	kW	11-Jun	13-Nov	11-Sep	13-Nov	14/13
Seasonal energy efficiency - heating (35°C/55°C)	%	153/111	150/115	156/114	152/119	151/119
Annual energy consumption - heating (35°C/55°C)	kWh	6062/6842	6824/8041	5930/6669	6738/7803	7408/9062
Sound power level (indoor/outdoor)	dB(A)	46/69	46/70	46/68	46/69	46/70
Declared load profile - DHW	-	L	L	L	L	L
Energy class - DHW	-	A	A	A	A	A
Annual water heating energy consumption	kWh	1166	1166	1166	1166	1166
Seasonal water heating energy efficiency (%)	%	88	88	88	88	88
Indoor Hydraulic Module						
Noise level*	dB(A)	39	39	39	39	39
Dimensions h x w x d	mm	1850x650x698	1850x650x698	1850x650x698	1850x650x698	1850x650x698
Net weight/filled weight	kg	152/370	152/370	152/370	152/370	152/370
Power supply		230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Outdoor unit						
Noise level* *	dB(A)	47	48	46	47	48
Dimensions h x w x d	mm	1290x970x400	1290x970x400	1290x970x400	1290x970x400	1290x970x400
Operating weight	kg	92	92	99	99	99
Refrigerant Characteristics						
Min./max. length	m	May-20	May-20	May-20	May-20	May-20
Max. diff. in height	m	15	15	15	15	15
R410 A factory load	g	2500	2500	2500	2500	2500
Amount of fluid expressed in CO2 equivalent	t	5	5	5	5	5