

NEW

SHERPA S2

Split heat pump



Compatible with:



COMPACT TECHNOLOGY

The engineering of the components and the reduced shapes allow it to be installed inside a kitchen cabinet.



DOMESTIC HOT WATER AT 60°C

Sherpa S2 supplies domestic hot water with temperatures up to 60°C.



LOW GWP GAS

In sizes up to 10 kW, it uses the R32 refrigerant, characterised by greater efficiency and a greenhouse effect reduced by almost 70% (compared to R410A).



TOUCH SCREEN USER INTERFACE

Flexible and configurable, it is used to customise your comfort and DHW needs and to optimise energy performance.

FEATURES

Inverter air-water heat pump

Energy efficiency class in average climate heating up to: A+++ (35°C) and A++ (55°C)

Powers available: 4 Powers with refrigerant R32: 4-6-8-10 kW single-phase and 3 Powers with refrigerant R410A: 12-14-16 kW single-phase and three-phase

Supplies DHW with temperature up to 60° C.

DHW management: Sherpa is used to manage Domestic Hot Water with extreme flexibility through two management modes: water probe inserted in the storage tank or thermostat contact of the storage tank.

Climatic curves based on the external air temperature: two curves available, one for cooling and one for heating. The climatic curves allow the temperature of the system to be varied according to the external climatic conditions, adjusting the heat input to the building's thermal needs, in order to obtain energy savings.

Two configurable cooling set points, **Three set points** configurable in heating mode (one of which for DHW); the set points can also be selected from a remote contact.

Standard double-stage electric heating elements: configurable as single or double-stage can be activated to support the heat pump, with checking, via the electronic control, of the actual thermal output of the heat pump. Each stage is activated according to the actual need for thermal power, in order to optimise electricity consumption.

Daily holiday and weekly programmer: heating/cooling, DHW, night..

Complete management of anti-legionella cycles

R32* or R410A* refrigerant gas

* Equipment not hermetically sealed containing fluorinated gases with an equivalent GWP of 675 (R32) and 2088 (R410A)

1. Electrical heating element
2. Electronic circulator
3. Water return
4. BPHE Plate exchanger
5. System supply
6. Refrigerant circuit connections
7. Flow switch
8. Expansion vessel
9. Automatic air vent
10. Electric heating element safety thermostats
11. Pressure gauge
12. 3 bar safety valve



Size		SHERPA S2 E - Single-phase R32																	
		4			6			8			10								
INDOOR UNIT CODE		02040			02040			02040			02040								
OUTDOOR UNIT CODE		02001			02002			02003			02004								
Compressor frequency		Minimum			Nominal			Maximum			Minimum			Nominal			Maximum		
Precise performance	Heating output	a7/6 - w30/35	(a)		kW	2.08	4.2	5.59	3.22	6.5	8.66	4.17	8.4	11.19	4.96	10	13.32		
	COP	a7/6 - w30/35			W/W	-	5.15	-	-	4.85	-	-	4.85	-	-	4.65	-		
	Heating output	a2/1 - w30/35	(b)		kW	2.08	4.25	5.38	2.74	5.58	7.06	3.48	7.1	8.99	4.04	8.25	10.44		
	COP	a2/1 - w30/35	(b)		W/W	-	3.9	-	-	3.88	-	-	3.88	-	-	3.6	-		
	Heating output	a7/8 - w30/35	(c)		kW	2.23	4.8	5.23	2.79	6	6.53	3.28	7.05	7.67	3.81	8.2	8.93		
	COP	a7/8 - w30/35	(c)		W/W	-	3	-	-	2.94	-	-	3.04	-	-	2.95	-		
	Heating output	a15/16 - w30/35	(d)		kW	2.17	4.67	5.08	2.26	4.86	5.29	3.25	6.99	7.61	3.25	6.99	7.61		
	COP	a15/16 - w30/35	(d)		W/W	-	2.3	-	-	2.27	-	-	2.34	-	-	2.34	-		
	Heating output (fancoils)	a7/6 - w40/45	(f)		kW	2.08	4.2	5.59	3.15	6.35	8.46	3.99	8.05	10.72	4.89	9.85	13.12		
	COP (fancoils)	a7/6 - w40/45	(f)		W/W	-	3.65	-	-	3.64	-	-	3.73	-	-	3.62	-		
	Heating output (fancoils)	a2/1 - w40/45	(g)		kW	2.11	4.3	5.44	2.77	5.65	7.15	3.68	7.5	9.49	3.9	7.95	10.06		
	COP (fancoils)	a2/1 - w40/45	(g)		W/W	-	3.05	-	-	3.02	-	-	3.15	-	-	3.04	-		
	Heating output (fancoils)	a7/8 - w40/45	(h)		kW	1.93	4.15	4.52	2.56	5.5	5.99	3.09	6.65	7.24	3.63	7.8	8.49		
	COP (fancoils)	a7/8 - w40/45	(h)		W/W	-	2.39	-	-	2.42	-	-	2.45	-	-	2.41	-		
	Heating output (fancoils)	a15/16 - w40/45	(i)		kW	1.92	4.14	4.51	2	4.31	4.69	2.81	6.05	6.59	2.81	6.05	6.59		
	COP (fancoils)	a15/16 - w40/45	(i)		W/W	-	1.79	-	-	1.77	-	-	1.92	-	-	1.92	-		
	Cooling power	a35 - w23/18	(l)		kW	2.31	4.3	5.27	3.46	6.45	7.91	4.48	8.35	10.24	5.47	10.2	12.51		
	EER	a35 - w23/18	(l)		W/W	-	5.6	-	-	4.88	-	-	4.67	-	-	4.25	-		
Cooling output (fancoils)	a35 - w12/7	(m)		kW	2.41	4.5	5.52	3.49	6.5	7.97	3.96	7.38	9.05	4.37	8.15	10			
EER (fancoils)	a35 - w12/7	(m)		W/W	-	3.32	-	-	2.95	-	-	3.02	-	-	2.95	-			
Efficiencies	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++			A+++				
	SCOP	Warmer Climate				6.52			6.52			6.69			6.69				
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		257.7			257.7			264.6			264.6				
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A+++			A+++				
	SCOP	Average Climate				4.77			4.77			4.79			4.79				
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		187.7			187.7			188.5			188.5				
	Energy efficiency class in water heating 35°C	Cold Climate				A++			A++			A++			A++				
	SCOP	Cold Climate				4.06			4.06			4.01			4.01				
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		159.5			159.5			157.5			157.5				
	Energy efficiency class in water heating 55°C	Warmer Climate				A+++			A+++			A+++			A+++				
	SCOP	Warmer Climate				4.28			4.28			4.29			4.29				
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		168.2			168.2			168.5			168.5				
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++			A++				
	SCOP	Average Climate				3.34			3.34			3.28			3.28				
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		130.6			130.6			128.0			128.0				
	Energy efficiency class in water heating 55°C	Cold Climate				A+			A+			A+			A+				
	SCOP	Cold Climate				2.77			2.77			2.66			2.66				
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		107.9			107.9			103.5			103.5				
Noise level	Indoor unit sound power				dB (A)	41			41			41			41				
	Indoor unit sound pressure		(n)		dB (A)	35			35			35			35				
	Outdoor unit sound power (nominal)				dB (A)	61			62			63			65				
	Outdoor unit sound pressure (nominal)		(o)		dB (A)	38			39			40			42				
Electrical data	System circulator absorption				W	3 - 87			3 - 87			3 - 87			3 - 87				
	Internal unit electrical power supply				V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50				
	*Maximum current absorbed indoor unit with additional active heating elements				A	14.1			14.1			14.1			14.1				
	*Maximum power absorbed indoor unit with additional active heating elements				kW	3.22			3.22			3.22			3.22				
	Additional electric heating elements				kW	1.5+1.5			1.5+1.5			1.5+1.5			1.5+1.5				
	External unit electrical power supply				V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50				
	Outdoor unit maximum absorbed current				A	14			14			19			19				
	Outdoor unit maximum absorbed power				kW	2.65			2.65			3.8			3.8				
Cooling circuit	Compressor type					Twin Rotary DC Inverter 4 poles			Twin Rotary DC Inverter 4 poles			Twin Rotary DC Inverter 6 poles			Twin Rotary DC Inverter 6 poles				
	Refrigerant inlet connection diameter				"	1/4"-5/8"			1/4"-5/8"			3/8"-5/8"			3/8"-5/8"				
	Coolant gas		(p)			R32			R32			R32			R32				
	Global warming potential				GWP	675			675			675			675				
	Coolant gas load				kg	1.55			1.55			1.65			1.65				
	Refrigerant piping length limit	min - max					2 - 29			2 - 29			2 - 30			2 - 30			
Hydraulic data	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)			29			29			20			20				
	Drinking water - DHW hydraulic connections				"	1"			1"			1"			1"				
	System expansion valve capacity				l	8			8			8			8				

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C

(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

Size		SHERPA S2 - Single-phase R410A											
		12			14			16					
INDOOR UNIT CODE		02041			02041			02041					
OUTDOOR UNIT CODE		02005			02006			02007					
Compressor frequency		Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum			
Precise performance	Heating output	a7/6 - w30/35	(a)	kW	4.77	12.1	15.79	5.52	14	18.27	6.12	15.5	20.23
	COP	a7/6 - w30/35	(a)	W/W	-	4.42	-	-	4.13	-	-	4.06	-
	Heating output	a2/1 - w30/35	(b)	kW	3.63	9.22	11.51	4.34	11.03	13.77	4.6	11.68	14.59
	COP	a2/1 - w30/35	(b)	W/W	-	3.52	-	-	3.35	-	-	3.28	-
	Heating output	a-7/-8 - w30/35	(c)	kW	3.83	9.96	10.93	4.22	10.99	12.06	4.59	11.94	13.11
	COP	a-7/-8 - w30/35	(c)	W/W	-	2.8	-	-	2.7	-	-	2.64	-
	Heating output	a-15/-16 - w30/35	(d)	kW	2.27	5.9	6.48	2.53	6.58	7.22	2.79	7.26	7.97
	COP	a-15/-16 - w30/35	(d)	W/W	-	2.06	-	-	1.94	-	-	1.92	-
	Heating output (fancoils)	a7/6 - w40/45	(f)	kW	4.68	11.85	15.46	5.54	14.05	18.33	6.33	16.05	20.94
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3.41	-	-	3.19	-	-	3.19	-
	Heating output (fancoils)	a2/1 - w40/45	(g)	kW	3.65	9.26	11.56	4.55	11.55	14.42	4.64	11.78	14.71
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	2.77	-	-	2.74	-	-	2.73	-
	Heating output (fancoils)	a-7/-8 - w40/45	(h)	kW	3.65	9.51	10.44	4.37	11.38	12.49	4.39	11.42	12.54
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2.22	-	-	2.18	-	-	2.17	-
	Heating output (fancoils)	a-15/-16 - w40/45	(i)	kW	1.92	5.01	5.5	2.15	5.59	6.14	2.37	6.17	6.77
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	1.66	-	-	1.57	-	-	1.55	-
	Cooling power	a35 - w23/18	(l)	kW	5.51	11.8	14.05	6.07	13	15.48	6.54	14	16.67
	EER	a35 - w23/18	(l)	W/W	-	4.45	-	-	4.02	-	-	3.87	-
	Cooling output (fancoils)	a35 - w12/7	(m)	kW	5.15	11.02	13.13	5.83	12.49	14.88	6	12.85	15.3
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	2.64	-	-	2.46	-	-	2.38	-
Efficiencies	Energy efficiency class in water heating 35°C	Warmer Climate			A+++			A+++			A+++		
	SCOP	Warmer Climate			6.16			5.31			5.28		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	245.0			211.0			210.0		
	Energy efficiency class in water heating 35°C	Average Climate			A+++			A++			A++		
	SCOP	Average Climate			4.41			4.23			3.96		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	175.0			168.0			157.0		
	Energy efficiency class in water heating 35°C	Cold Climate			A+			A+			A+		
	SCOP	Cold Climate			3.58			3.33			3.41		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	142.0			132.0			135.0		
	Energy efficiency class in water heating 55°C	Warmer Climate			A+++			A+++			A+++		
	SCOP	Warmer Climate			4.33			4.18			4.51		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	172.0			166.0			179.0		
	Energy efficiency class in water heating 55°C	Average Climate			A++			A++			A++		
	SCOP	Average Climate			3.21			3.23			3.21		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	127.0			128.0			127.0		
	Energy efficiency class in water heating 55°C	Cold Climate			A+			A+			A+		
SCOP	Cold Climate			2.81			2.81			2.81			
ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	111.0			111.0			111.0			
Noise level	Indoor unit sound power			dB (A)	41			41			41		
	Indoor unit sound pressure		(n)	dB (A)	35			35			35		
	Outdoor unit sound power (nominal)			dB (A)	69			71			72		
	Outdoor unit sound pressure (nominal)		(o)	dB (A)	46			48			49		
Electrical data	System circulator absorption			W	8 - 140			8 - 140			8 - 140		
	Internal unit electrical power supply			V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50		
	Maximum current absorbed indoor unit with additional active heating elements			A	27.2			27.2			27.2		
	Maximum power absorbed indoor unit with additional active heating elements			kW	6.22			6.22			6.22		
	Additional electric heating elements			kW	3,0+3,0			3,0+3,0			3,0+3,0		
	External unit electrical power supply			V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50		
	Outdoor unit maximum absorbed current			A	27			27			27		
Outdoor unit maximum absorbed power			kW	6			6			6			
Cooling circuit	Compressor type				Twin Rotary DC Inverter 6 poles			Twin Rotary DC Inverter 6 poles			Twin Rotary DC Inverter 6 poles		
	Refrigerant inlet connection diameter			"	3/8"-5/8"			3/8"-5/8"			3/8"-5/8"		
	Coolant gas		(p)		R410A			R410A			R410A		
	Global warming potential			GWP	2088			2088			2088		
	Coolant gas load			kg	3.9			3.9			3.9		
	Refrigerant piping length limit	min - max				2 - 50			2 - 50			2 - 50	
Hydraulic data	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)		-			-			-		
	Drinking water - DHW hydraulic connections			"	1"			1"			1"		
	System expansion valve capacity			l	8			8			8		

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C

(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

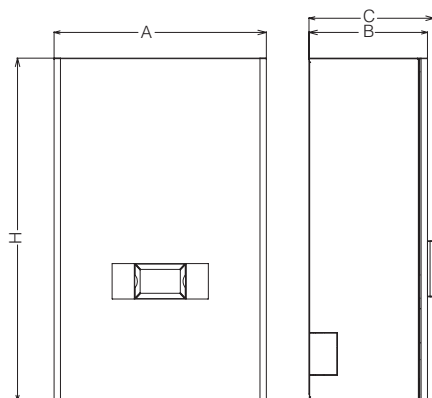
Size		SHERPA S2 - Three-phase R410A												
		12T			14T			16T						
INDOOR UNIT CODE		02041			02041			02041						
OUTDOOR UNIT CODE		02008			02009			02010						
Compressor frequency		Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum				
Precise performance	Heating output	a7/6 - w30/35	(a)		kW	4.77	12.1	15.79	5.52	14	18.27	6.12	15.5	20.23
	COP	a7/6 - w30/35	(a)		W/W	-	4.53	-	-	4.31	-	-	4.19	-
	Heating output	a2/1 - w30/35	(b)		kW	3.6	9.14	11.41	4.29	10.91	13.62	4.31	10.95	13.67
	COP	a2/1 - w30/35	(b)		W/W	-	3.6	-	-	3.42	-	-	3.39	-
	Heating output	a-7/-8 - w30/35	(c)		kW	3.72	9.69	10.64	4.31	11.21	12.31	4.32	11.25	12.35
	COP	a-7/-8 - w30/35	(c)		W/W	-	2.75	-	-	2.66	-	-	2.64	-
	Heating output	a-15/-16 - w30/35	(d)		kW	2.38	6.19	6.79	2.74	7.13	7.83	2.93	7.62	8.36
	COP	a-15/-16 - w30/35	(d)		W/W	-	2.17	-	-	2.09	-	-	2.05	-
	Heating output (fancoils)	a7/6 - w40/45	(f)		kW	4.7	11.91	15.54	5.48	13.9	18.14	6.13	15.53	20.26
	COP (fancoils)	a7/6 - w40/45	(f)		W/W	-	3.44	-	-	3.3	-	-	3.18	-
	Heating output (fancoils)	a2/1 - w40/45	(g)		kW	3.65	9.26	11.56	4.51	11.46	14.31	4.97	12.62	15.76
	COP (fancoils)	a2/1 - w40/45	(g)		W/W	-	2.8	-	-	2.7	-	-	2.68	-
	Heating output (fancoils)	a-7/-8 - w40/45	(h)		kW	3.73	9.7	10.65	4.38	11.4	12.51	4.39	11.44	12.56
	COP (fancoils)	a-7/-8 - w40/45	(h)		W/W	-	2.26	-	-	2.17	-	-	2.15	-
	Heating output (fancoils)	a-15/-16 - w40/45	(i)		kW	2.02	5.27	5.78	2.33	6.06	6.65	2.49	6.48	7.11
	COP (fancoils)	a-15/-16 - w40/45	(i)		W/W	-	1.74	-	-	1.67	-	-	1.64	-
	Cooling power	a35 - w23/18	(l)		kW	5.51	11.8	14.05	6.45	13.8	16.44	6.87	14.7	17.51
	EER	a35 - w23/18	(l)		W/W	-	4.59	-	-	4.21	-	-	3.9	-
	Cooling output (fancoils)	a35 - w12/7	(m)		kW	5.72	12.25	14.59	5.83	13.24	14.88	6.27	13.43	16
	EER (fancoils)	a35 - w12/7	(m)		W/W	-	2.69	-	-	2.51	-	-	2.41	-
Efficiencies	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++		
	SCOP	Warmer Climate				6.41			6.53			6.13		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		255.0			260.0			244.0		
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A++		
	SCOP	Average Climate				4.63			4.51			4.33		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		184.0			179.0			172.0		
	Energy efficiency class in water heating 35°C	Cold Climate				A++			A++			A+		
	SCOP	Cold Climate				3.96			3.78			3.61		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		157.0			150.0			143.0		
	Energy efficiency class in water heating 55°C	Warmer Climate				A+++			A+++			A+++		
	SCOP	Warmer Climate				4.13			4.21			4.21		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		164.0			167.0			167.0		
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++		
	SCOP	Average Climate				3.23			3.28			3.28		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		128.0			130.0			130.0		
	Energy efficiency class in water heating 55°C	Cold Climate				A+			A+			A+		
SCOP	Cold Climate				2.78			2.73			2.76			
ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		110.0			108.0			109.0			
Noise level	Indoor unit sound power				dB (A)	41			41			41		
	Indoor unit sound pressure		(n)		dB (A)	35			35			35		
	Outdoor unit sound power (nominal)				dB (A)	70			72			72		
	Outdoor unit sound pressure (nominal)		(o)		dB (A)	47			49			49		
Electrical data	System circulator absorption				W	8 - 140			8 - 140			8 - 140		
	Internal unit electrical power supply				V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50		
	Maximum current absorbed indoor unit with additional active heating elements				A	27.2			27.2			27.2		
	Maximum power absorbed indoor unit with additional active heating elements				kW	6.22			6.22			6.22		
	Additional electric heating elements				kW	3,0+3,0			3,0+3,0			3,0+3,0		
	External unit electrical power supply				V/ph/Hz	380-415/3/50			380-415/3/50			380-415/3/50		
	Outdoor unit maximum absorbed current				A	9			9			9		
	Outdoor unit maximum absorbed power				kW	6			6			6		
Cooling circuit	Compressor type					Twin Rotary DC Inverter 6 poles			Twin Rotary DC Inverter 6 poles			Twin Rotary DC Inverter 6 poles		
	Refrigerant inlet connection diameter				"	3/8"-5/8"			3/8"-5/8"			3/8"-5/8"		
	Coolant gas		(p)			R410A			R410A			R410A		
	Global warming potential				GWP	2088			2088			2088		
	Coolant gas load				kg	4.2			4.2			4.2		
	Refrigerant piping length limit	min - max					2 - 50			2 - 50			2 - 50	
Hydraulic data	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)			-			-			-		
	Drinking water - DHW hydraulic connections				"	1"			1"			1"		
	System expansion valve capacity				l	8			8			8		

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C

(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

INDOOR UNIT

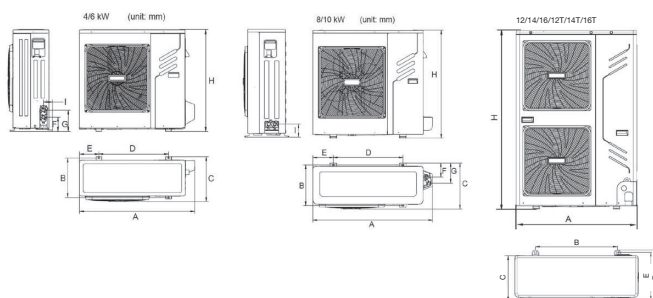
		4	6	8	10	12	14	16	12T	14T	16T
		SMALL			BIG			BIG			
A	mm	500	500	500	500	500	500	500	500	500	500
B	mm	280	280	280	280	280	280	280	280	280	280
C	mm	296	296	296	296	296	296	296	296	296	296
H	mm	810	810	810	810	810	810	810	810	810	810
Net weight	kg	36	36	36	36	38	38	38	38	38	38



OUTDOOR UNIT

		4	6	8	10	12	14	16	12T	14T	16T
		MONOFAN			BI-FAN			BI-FAN			
A	mm	974	974	1075	1075	900	900	900	900	900	900
B	mm	333	333	363	363	600	600	600	600	600	600
C	mm	378	378	411	411	348	348	348	348	348	348
D	mm	590	590	625	625	400	400	400	400	400	400
E	mm	164	164	184	184	360	360	360	360	360	360
F	mm	119	119	126	126	-	-	-	-	-	-
H	mm	857	857	965	965	1327	1327	1327	1327	1327	1327
I	mm	75	75	117	117	-	-	-	-	-	-
Net weight	kg	57	57	67	67	99	99	99	115	115	115

BI-FAN



ACCESSORIES

CODE	DESCRIPTION
B0622 PHASE OUT	3-WAY VALVE KIT FOR DOMESTIC HOT WATER - Compact dimensions - Two-point control
B0623	KIT EXTERNAL AIR PROBE Shielded probe to measure the outdoor air temperature. It is necessary to allow activation of the electric heating element and climatic curves.
B0624	KIT DHW STORAGE TANK SENSOR Probe to measure and directly control the water temperature in the domestic hot water storage tank.
B0917 NEW	SOLAR THERMAL PROBE KIT An additional probe that measures the temperature of the solar thermal pipes, inhibits the heat pump to produce DHW using only the solar thermal system in certain conditions.
B0916 NEW	3-WAY VALVE KIT FOR DOMESTIC HOT WATER - Compact dimensions - Two-point control