

SHERPA S2

Раздельный тепловой насос



Совместим с:

SiOS
CONTROL



ОСОБЕННОСТИ

Инверторный тепловой насос воздух-вода.

Класс энергоэффективности в среднеклиматическом нагреве до: A+++ (35°C) и A++ (55°C)

Доступная мощность: 4 мощности с охладителем R32: 4-6-8-10 кВт однофазный и 3 мощности с охладителем R410A: 12-14-16 кВт однофазный и трехфазный.

Подает горячее водоснабжение с температурой до 60° C.

Управление горячим водоснабжением: Sherpa используется для гибкого управления горячим водоснабжением, благодаря двум режимам управления: с помощью датчика воды вставленного в накопительный бак или с помощью контакта термостата накопительного бака.

Климатические кривые по температуре воздуха снаружи: доступны две кривые – для охлаждения и нагрева. Климатические кривые позволяют менять температуру в системе в зависимости от внешних климатических условий, регулируя подачу тепла в соответствии с потребностью здания и обеспечивая энергосбережение.

Две настраиваемые охлаждающие контрольные точки, и три контрольные точки настраиваемые в режиме обогрева (одна из которых рассчитана на горячее водоснабжение). Контрольные точки также могут быть выбраны дистанционно.

Стандартные двухфазные электрообогревающие элементы: настраивается как однофазные или двухфазные. Они могут быть активированы для поддержки теплового насоса, с возможностью проверки с помощью электронного управления фактической тепловой мощности теплового насоса. Для оптимизации потребления электроэнергии, каждая фаза активируется в зависимости от фактической потребности в тепловой энергии.

Ежедневные и еженедельные программы: обогрев/охлаждение, горячее водоснабжение, ночной режим

Полное управление антилегионеллезными циклами
Хладагент R32* или R410A*



КОМПАКТНАЯ ТЕХНОЛОГИЯ

Сборка компонентов и уменьшенные формы позволяют установить оборудование в кухонном шкафу



ГОРЯЧЕЕ ВОДОСНАБЖЕНИЕ 60°C

Sherpa S2 обеспечивает горячее водоснабжение для бытовых нужд с температурой до 60°C.



ГАЗ С НИЗКИМ GWP

В размерах до 10 кВт используется хладагент R32, отличающийся большей эффективностью и сниженным почти на 70% парниковым эффектом (по сравнению с R410A).



ПОЛЬЗОВАТЕЛЬСКИЙ ИНТЕРФЕЙС С СЕНСОРНЫМ ЭКРАНОМ

Удобный интерфейс используется для настройки комфортных условий и потребностей в горячем водоснабжении, а также для оптимизации энергоэффективности.

* Негерметичное оборудование, содержащее фторсодержащие газы с эквивалентным GWP 675 (R32) и 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	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	(a)			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	a-7/-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	a-7/-8 - w30/35	(c)			W/W	-	3	-	-	2.94	-	-	3.04	-	-	2.95	-
	Heating output	a-15/-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	a-15/-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)	a-7/-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)	a-7/-8 - w40/45	(h)			W/W	-	2.39	-	-	2.42	-	-	2.45	-	-	2.41	-
	Heating output (fancoils)	a-15/-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)	a-15/-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"	
Hydraulic data	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+		
Noise level	SCOP	Cold Climate				2.81			2.81			2.81		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		111.0			111.0			111.0		
	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		
Electrical data	Outdoor unit sound pressure (nominal)		(o)		dB (A)	46			48			49		
	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		
Cooling circuit	Outdoor unit maximum absorbed power				kW	6			6			6		
	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
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 (q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

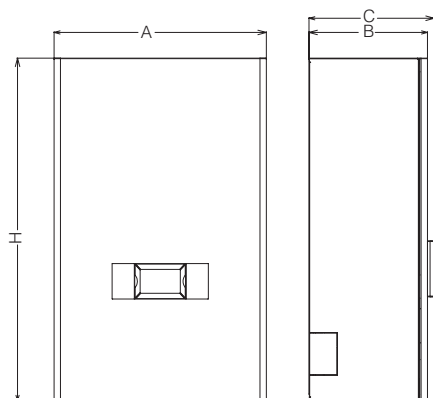
Size						SHERPA S2 - Three-phase R410A										
						12T			14T			16T				
INDOOR UNIT CODE						02041			02041			02041				
OUTDOOR UNIT CODE						02008			02009			02010				
Compressor frequency						Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum		
Precise performance	Heating 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		
Noise level	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		
	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		
	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		
Electrical data	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		
	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"		
Cooling circuit	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		
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)			-				-				-		
Hydraulic data	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

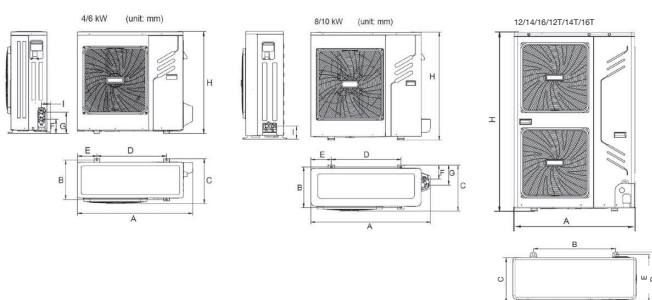
		4	6	8	10	12	14	16	12T	14T	16T
		SMALL				BIG				BIG	
A	mm	500	500	500	500	500	500	500	500	500	500
B	mm	280	280	280	280	280	280	280	280	280	280
C	mm	296	296	296	296	296	296	296	296	296	296
H	mm	810	810	810	810	810	810	810	810	810	810
Net weight	kg	36	36	36	36	38	38	38	38	38	38



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