

MULTIFLEX 4 DC INVERTER

Multisplit system R32 with recovery for the production of heating, air conditioning and DHW



UP TO 3 SPLIT TREDI



OUTDOOR UNIT



1 PUFFER FOR DHW TANK

MULTIFLEX SINGLE SOLUTION FOR ENVIRONMENTAL COMFORT

Multiflex is the new and innovative integrated air conditioning system capable of producing heating, air conditioning and the production of domestic hot water: a cutting-edge product designed to cool, heat and produce domestic hot water in an ecological and efficient way. The key to our system is the perfect integration between the air conditioning system and the system for the production of domestic hot water. The heat recovered from the dispersion during the cooling process is effectively sent to the domestic hot water tank. This synergy significantly increases the overall energy efficiency of the system.

SUPERIOR ENERGY EFFICIENCY

Thanks to the efficient use of waste heat, the system drastically reduces overall energy consumption. This translates not only into significant savings on consumption but also into a reduced environmental impact.

TECHNICAL FEATURES:

Total comfort

Enjoy a perfect room temperature and a constant flow of domestic hot water, all in one integrated system. Compatible with all indoor units

Compatible with internal units of the TREDI family. Up to 3 indoor units can be connected.

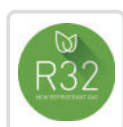
Effective in all conditions

Operation from -15 °C to + 42 °C, domestic hot water up to 50 °C

Ecological

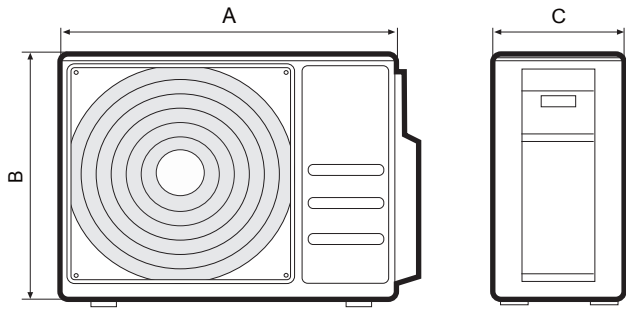
Contribute to the reduction of carbon emissions with a system designed to maximize energy efficiency and minimize environmental impact.

OUTDOOR UNIT MODEL		REFRIGERATION POWER KW	THERMAL POWER KW	€
MULTIFLEX 4 DC INVERTER OUTDOOR UNIT	cod. 65000010	7,91	8,20	2.820,00
UNIT MODEL FOR DHW PRODUCTION				€
TANK 190 LT FOR MULTIFLEX	cod. 65000011			2.320,00
INDOOR UNIT MODEL FOR HEATING & AIR CONDITIONING		REFRIGERATION POWER KW	THERMAL POWER KW	€
TREDI 9 MONO DC INVERTER U.I. R32	cod. 66440000R	2,64 (1,02÷3,19)	2,93 (0,82÷3,36)	338,00
TREDI 12 MONO DC INVERTER U.I. R32	cod. 66430000R	3,52 (0,82÷4,16)	3,81 (1,08÷4,2)	396,00
TREDI 18 DC MONO INVERTER U.I. R32	cod. 66490000R	5,28 (3,39÷5,89)	5,42 (3,10÷5,84)	528,00
TREDI 24 MONO DC INVERTER U.I. R32	cod. 66520000R	6,27 (2,11÷8,20)	6,71 (1,55÷8,20)	643,00



MULTIFLEX 4 DC INVERTER OUTDOOR UNIT

Multiflex outdoor units with 4 connections

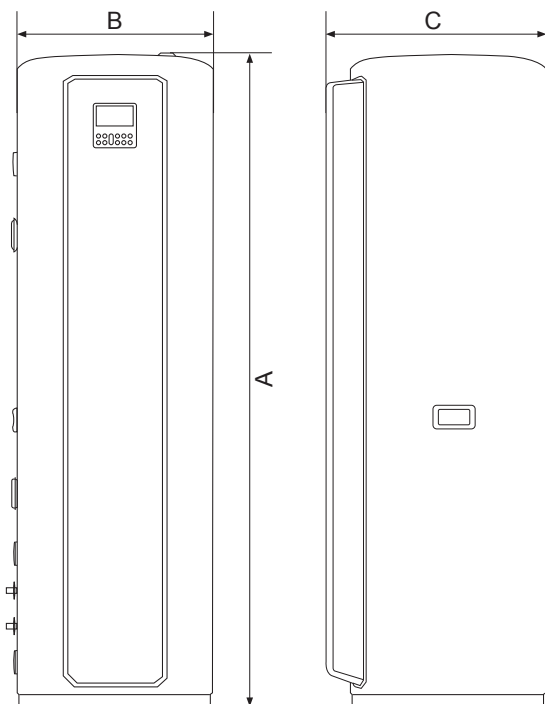


	A	B	C	
	mm	mm	mm	kg
MULTIFLEX 4 CONNECTIONS	946	810	410	64,3



TECHNICAL DATA TABLE		UM	MULTIFLEX 4 CONNECTIONS
Cooling down (standard conditions)	Capacity	W	7912
	Input	W	2450
	Current	A	11
	EER	W/W	3,23
Heating (standard conditions)	Capacity	W	8206
	Input	W	2210
	Current	A	10,5
	COP	W/W	3,71
Seasonal Cooling	Pdesign	kW	7,9
	SEER	W/W	6,3
	Energy efficiency class		A++
Seasonal Cooling (on average)	Pdesign	kW	6,0
	SCOP	W/W	4,1
	Energy efficiency class		A+
	Tbiv	°C	-7
Nominal absorbed power	W	5300	
Rated current	A	24	
External air flow	m ³ /h	4000	
External sound pressure level	dB(A)	61	
External sound power level	dB(A)	69	
Refrigerant	Type	Type	R32
	GWP	GWP	675
	Amount charged	Kg	1,8
Refrigerant pipes	Liquid side/gas side (AC)		3x1/4" - 2x3/8"+1x1/2"
	Max length for all chambers (AC)	m	80 (20m for DHW)
	Maximum length for the outdoor unit (AC)	m	35 (20m for DHW)
	Max height difference between U.I. and U.E. (AC)	m	15
	Max height difference between U.I. (AC)	m	10
Power supply			230V/1/50Hz
Operating temperatures	Cooling/Heating	°C	-15÷50 / -15÷24

TANK 190 LT FOR MULTIFLEX DHW



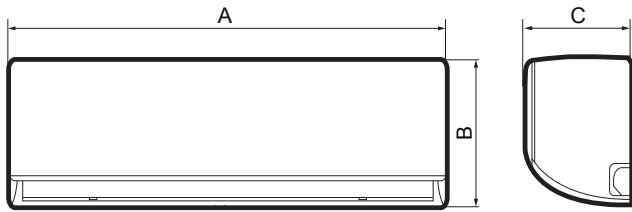
	A	B	C	
	mm	mm	mm	Kg
TANK 190 LT	1660	504	574	70



TECHNICAL DATA TABLE	UM	TANK 190 LT
Field of use	°C	up 15 to + 43
Refrigeration connections	mm / "	6,45 + 9,52 / 1/4" + 3/8"
DHW set point temperature (with resistor enabled)	°C	38÷55 (70)
Tank corrosion protection		Magnesium anode
Construction material		Enamelled steel
Net internal volume	l	190
Power supply		230V/1/50Hz
DHW performance according to the standard EN 16147:21017		
Load profile	I	L
Nominal power ^{dhvt}	kW	3,9
COP ^{dhvt}	W/W	3,4
Set point in DHW tests	°C	52
Max DHW withdrawal = 40 °C	l	240
Energy rating		A+
Standby power consumption	W	50
Max tank pressure	bar	10
Protection system		Sacrificial magnesium anode
Type of material		Vitrified steel
Integration methods		2 kW electric resistance
COP in DHW production only		
Air 15 °C and DHW up 15 °C to 45 °C	W/W	3,9
Electrical data		
Electrical wiring		2+Ground
Minimum recommended power supply section	mm ²	1,5
Electric resistance power	kW	2
Electric resistance current	A	9,1
Wiring section to the outdoor unit	mm ²	1,0x3+Ground

MULTISPLIT TREDI DC INVERTER - INTERNAL UNIT

Air conditioners split system R32 - Wi-Fi INCLUDED



	A	B	C	
	mm	mm	mm	kg
TREDI 9 DC INVERTER UI	722	290	187	7,3
TREDI 12 DC INVERTER UI	802	297	189	8,6
TREDI 18 DC INVERTER UI	965	319	215	10,9
TREDI 24 DC INVERTER UI	1080	335	226	13,7

TECHNICAL FEATURES

- Silent operation: 26 dB(A) at minimum speed
- Energy class A+++
- Exceptional cooling performance, excellent performance even with external temperatures down to -15 °C
- Sleep function
- The timer function allows you to program the air conditioning on and off
- The Turbo button allows the set temperature to be reached much faster in cooling mode - Follow Mee Wifi function as standard
- Silver Ion filter as standard
- Rotary compressor with DC Inverter technology
- Up to 70% reduction in energy consumption
- Heat pump operation up to -15 °C externally
- Automatic restart in case of power surges

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Refrigeration power	kW	2,64 (1,02÷3,19)	3,52 (0,82÷4,16)	5,28 (3,39÷5,89)	6,27 (2,11÷8,20)
Absorbed power	W	24	24	34	62
Current consumption	A	0,11	0,11	0,15	0,28
Thermal Power	kW	2,93 (0,82÷3,36)	3,81 (1,08÷4,2)	5,42 (3,10÷5,84)	6,71 (1,55÷8,20)
Absorbed power	W	24	24	34	62
Current consumption	A	0,11	0,11	0,15	0,28
Power supply		230V/1/50Hz	230V/1/50Hz	230V/1/50Hz	230V/1/50Hz
Air flow	m ³ /h	416/309/230	584/477/395	730/500/420	1020/830/640
Sound level	dB(A)	39/32/36	39/32/36	43/33/28	47/41,5/30,5
Gas connections		3/8"	3/8"	1/2"	5/8"
Liquid connections		1/4"	1/4"	1/4"	3/8"

Cooling test conditions: int. 27 °C d.b. / 19.5 °C b.u. - East. 35° C b Heating test conditions: int. 20 °C d.b. - East. 7 °C d.b. / 6 °C b.u.



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