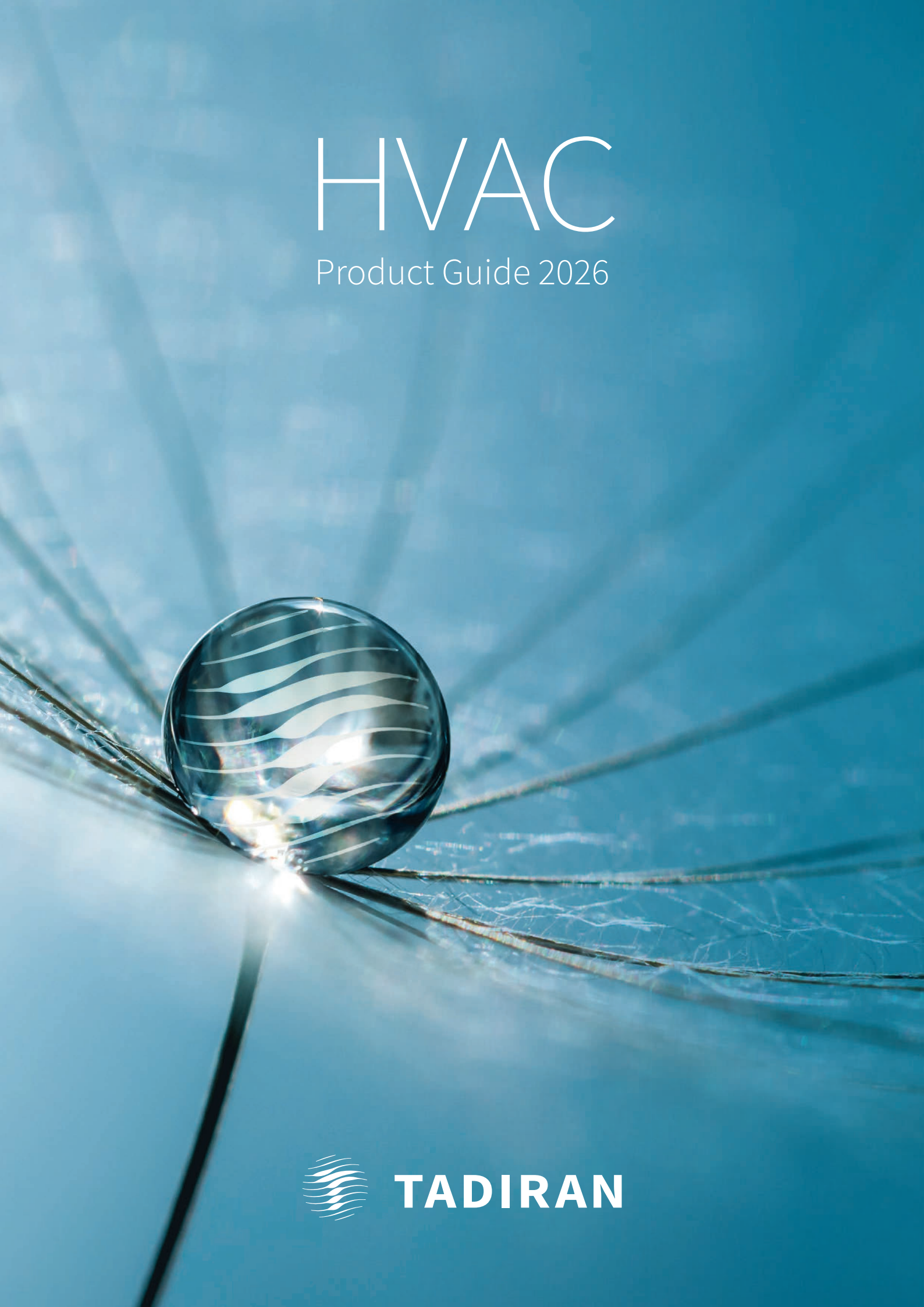
HVAC

Product Guide 2026



TADIRAN


TADIRAN



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THE TADIRAN GROUP

60 years of history

Tadiran was founded in Israel in the 1960s and operates in the battery and consumer electronics sectors and in air conditioning systems.
In 2010 Moshe Mamrud acquired control of the company and listed it on the Tel Aviv stock exchange in 2017.
Tadiran quickly established itself as a leading company in the air conditioning and consumer goods sectors.

The structure of the Tadiran Group

Air conditioning is at the heart of Tadiran's well-established presence, with quality products and solutions, the application of technologically innovative solutions and outstanding service.
Tadiran New Energy focuses on photovoltaic systems, storage and electric mobility. It is the leading global manufacturer in the Israeli market.

TADIRAN

TADIRAN NEW ENERGY

- PHOTOVOLTAIC PANELS, BIPV INTEGRATED PHOTOVOLTAICS INFRASTRUCTURE
- ENERGY STORAGE AND VEHICLE CHARGING SYSTEMS
- UPS SYSTEMS
- ALUMINIUM PROFILES FOR INDUSTRY

TADIRAN CONSUMER GOODS

- DOMESTIC AND COMMERCIAL AIR CONDITIONING, HEAT PUMPS
- AIR TREATMENT AND PURIFICATION TECHNOLOGIES
- HOME APPLIANCES

HISTORIC LEADER IN AIR CONDITIONING

LEADER IN TECHNICAL SERVICE IN ISRAEL WITH 200 TECHNICIANS

PLAYER WITH STEADY GROWTH IN RENEWABLE ENERGY

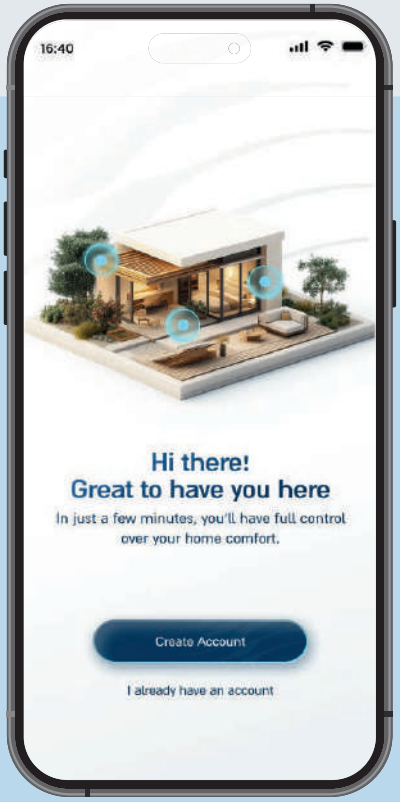
TURNOVER 2024 490 MILLION EUROS





MY TADIRAN APP

Tadiran has developed MY TADIRAN APP for the end consumer: a truly innovative way of managing your air conditioner and heat pump, creating a direct communication link between Installer-Service Centre-User-Product-Tadiran Italia.



MANAGE THE CLIMATE OF YOUR HOME AT ANY TIME

The MY TADIRAN application lets you control the air conditioners in the whole house and manage air conditioning from your phone.

Using the app you can control the temperature of every room, set your home's climate, set a timer or schedule switch-on and switch-off times even when you are away, on Saturdays and holidays. You can monitor energy consumption and electricity costs, through controlled, smarter operation of the air conditioner throughout the house.

Scarica su App Store

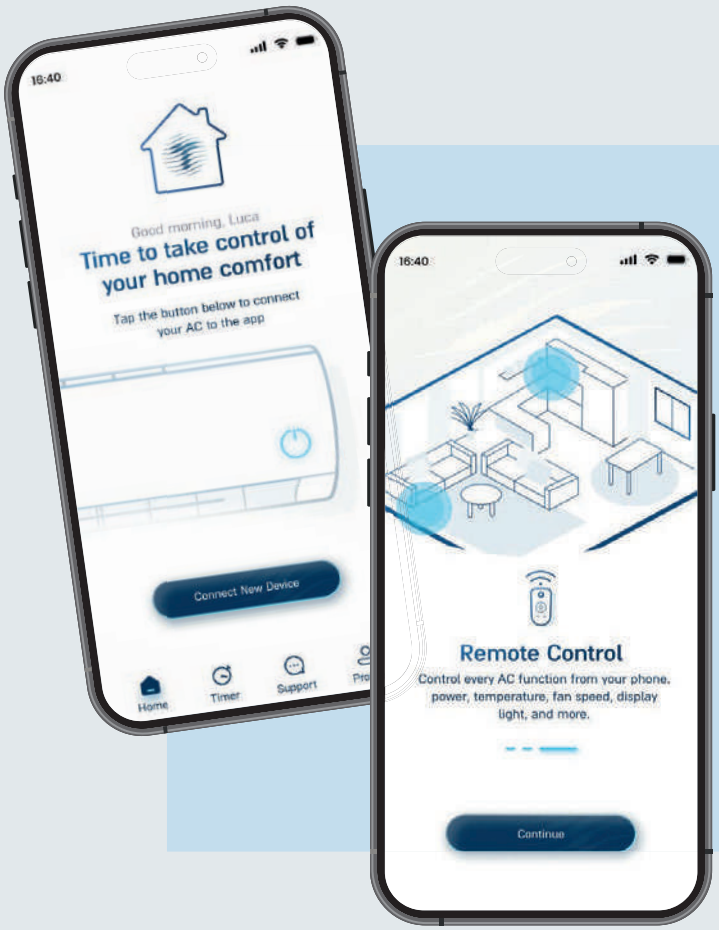
DISPONIBILE SU Google Play

MY TADIRAN

Activating MY TADIRAN automatically entitles you to an extension of **+3 years** of warranty on all spare parts (labour excluded) **+5 years** for mono and multisystem (labour excluded).

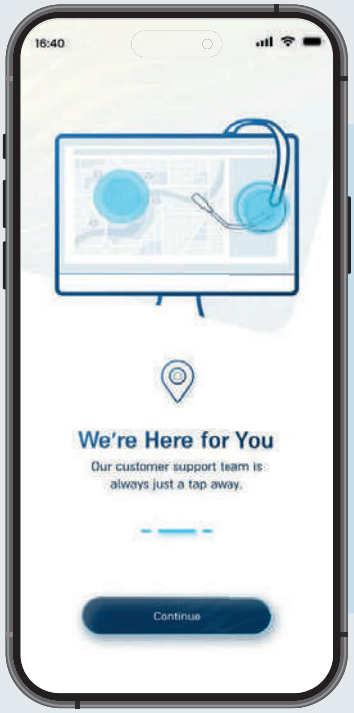
VALID FOR ITALY ONLY





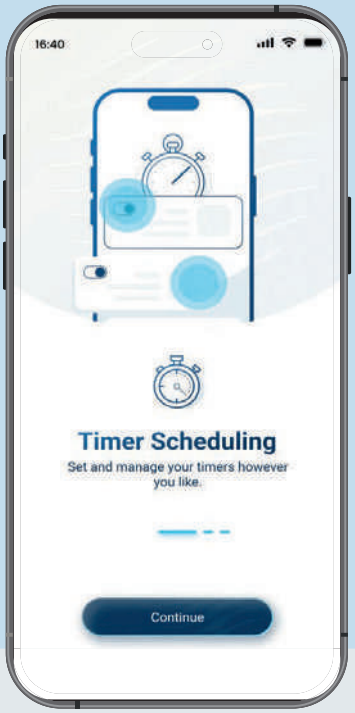
AIR CONDITIONING SYSTEM MANAGEMENT

- Easy product recognition via A.I.
- All controller functions available via APP
- Geolocation with automatic remote switch-on and switch-off when approaching your home
- Weekly scheduling
- Holiday scheduling
- Energy consumption display



TECHNICAL SUPPORT FUNCTIONS

- The customer can request technical service directly from the APP
- The technician can connect to the air conditioner and check for faults, enabling remote diagnosis without disturbing the user
- Additional warranty extensions can be requested directly from the APP
- A first start-up service for heat pumps can be requested directly from the APP











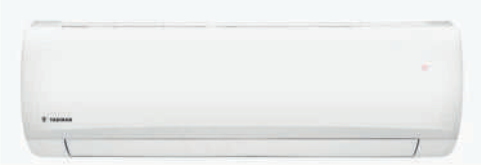
INDOOR UNITS

MONO SPLIT SYSTEMS

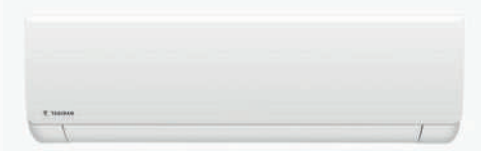
A range covering every possible residential solution, with products that extend applications to shops, bars and restaurants. Wall-mounted indoor units available in 3 different designs, with different features designed for the most demanding customers.



SIRIO



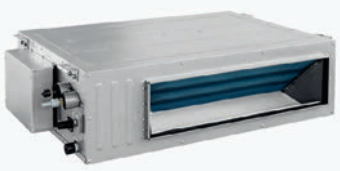
VEGA



POLARIS



CONSOLE



DUCTED



MAXIMUM COMFORT

I-FEEL

When the I-Feel function is on, the temperature sensor in the remote control intelligently detects the room temperature and automatically sends the information to the unit at one-minute intervals: this way the unit will automatically adjust the air flow temperature to ensure maximum comfort, exactly where the remote control is located.

7 FAN SPEEDS

Fan speeds can be adjusted from the remote control. 7 speeds (silent/low/medium-low/medium/medium-high/high/turbo) meet different needs. Turbo speed can quickly change the room temperature, letting you feel cool right away, while silent speed lets you enjoy comfort in silence.

4 SLEEP MODES

Several Sleep modes are available, specially designed for maximum comfort while you sleep, which can be selected according to personal preferences and needs. In “CUSTOM” mode you can also set the trend of the set temperature during the night.

3D SWING

Both horizontal and vertical louvres can be adjusted automatically from the remote control, to optimise the air flow in the room.

DUAL AIR OUTLET

Floor-standing indoor units feature a Dual Air Outlet for optimised air flow, especially in heating.
Air flow direction can be customised or automatic.



FAST COOLING

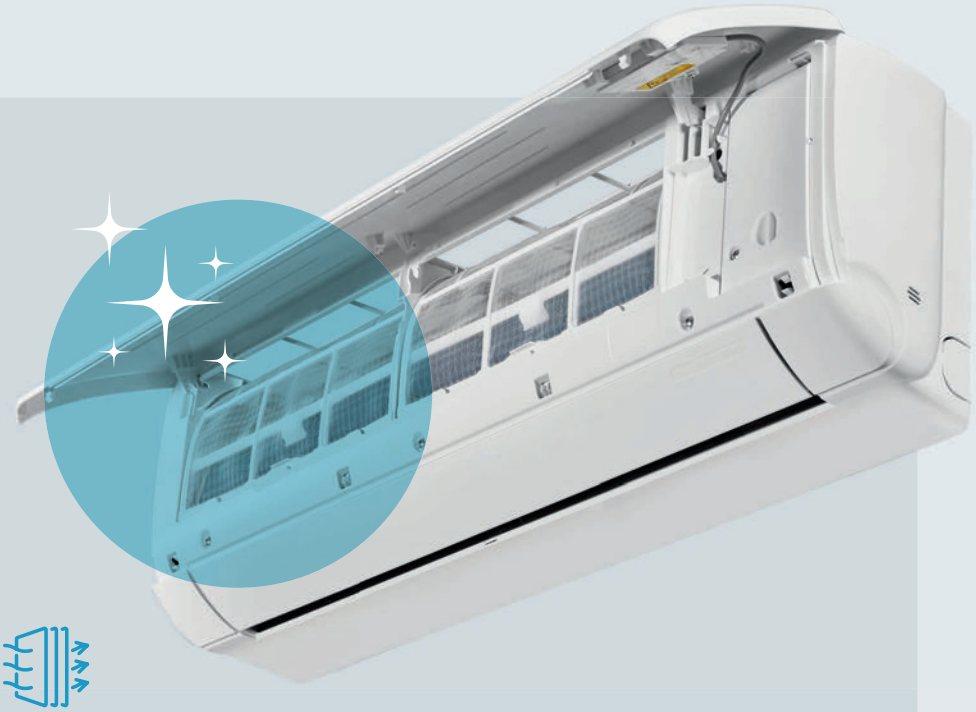
In fast cooling mode, using this specific function, the room temperature can reach the desired level very quickly. After 20 minutes, the air conditioner returns to the selected settings to ensure comfort and energy saving.

INTELLIGENT DEFROST

If harsh outdoor temperatures cause ice to form on the condensing coil, correct operation of the air conditioner in heating requires a pause in the supply of warm air to the room to allow the outdoor heat exchanger to defrost. Here, these pauses are not scheduled at regular intervals, but occur only if and when truly necessary, ensuring a continuous flow of warm air into the room.

COLD AIR PREVENTION

In Heating, a special intelligent function allows conditioned air to enter the room only if and when sufficiently heated, for maximum comfort.



1 CONDENSATION

2 FROST

3 DEFROST

4 DRYING

STERILISE AT 56 °C FOR 10 MINUTES

AUTO CLEAN

Dust and bacteria can build up on the evaporator over time. The Autoclean function is designed for thorough, effective cleaning of the evaporator and consists of **4 phases plus sterilisation at 56 °C**.

Evaporator cleaning can be activated whenever you wish: with the unit off, just press two buttons on the remote control. The function runs through phases of condensation, ice formation, defrosting and drying to remove all dust and pollutant residues and any trace of condensation, followed by a fifth sterilisation phase in which the evaporator unit is kept at 56 °C for at least 10 minutes.

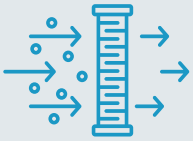
This ensures that only clean air enters the room and preserves the efficiency of the heat exchanger.



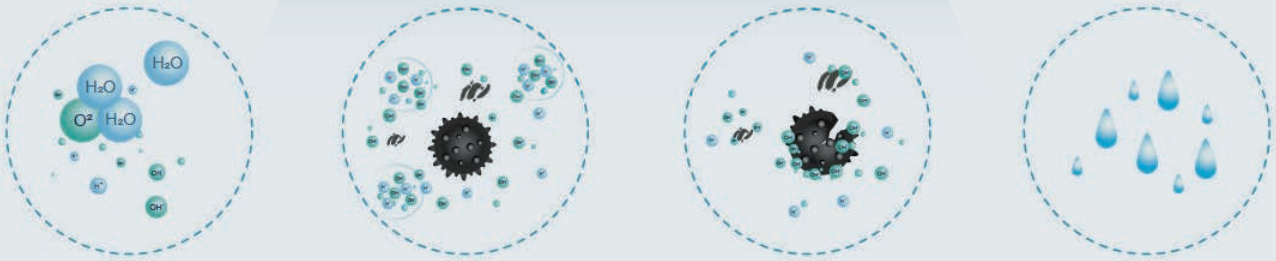
PURE AIR

PURIFICATION SYSTEM

Releases ions that neutralise bacteria, fungi, pollen, mites and pollutants in general present in indoor air. Its bacteria removal effectiveness reaches 93%. Removes over 400 types of odours. Makes the air lighter by enriching it with negative ions.







RELEASES POSITIVE AND NEGATIVE IONS

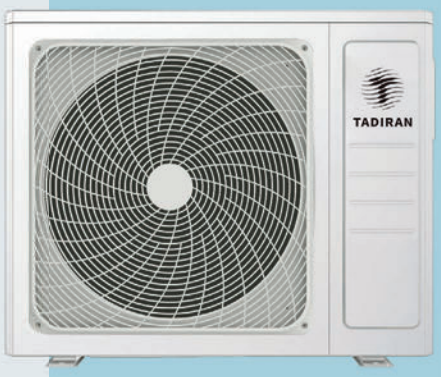
THEY SURROUND THE VIRUS

THEY DESTROY THE VIRUS

THEY TURN IT INTO WATER

RELIABILITY

The use of high-quality components, special attention to insulation and the solidity of the metal structure guarantee long life and durability even in harsh climate conditions.



HIGH DRAINAGE CAPACITY DESIGN

The high drainage capacity of the outdoor unit chassis helps prevent ice formation in the most difficult climates.

IMPROVED CONDENSATE TRAY DESIGN

Condensate water drains easily and does not freeze in the tray. This also improves heating efficiency when operating at low outdoor temperatures.



PROTECTION IN CASE OF REFRIGERANT LEAKAGE SELF-DIAGNOSIS FOR EASIER MAINTENANCE

The indoor unit display can show an error code in the event of a malfunction, simplifying fault diagnosis. A special function protects the unit, and in particular the compressor, from damage caused by high temperatures induced by refrigerant leaks, closing the expansion valve when the gas charge is insufficient.

SAFETY

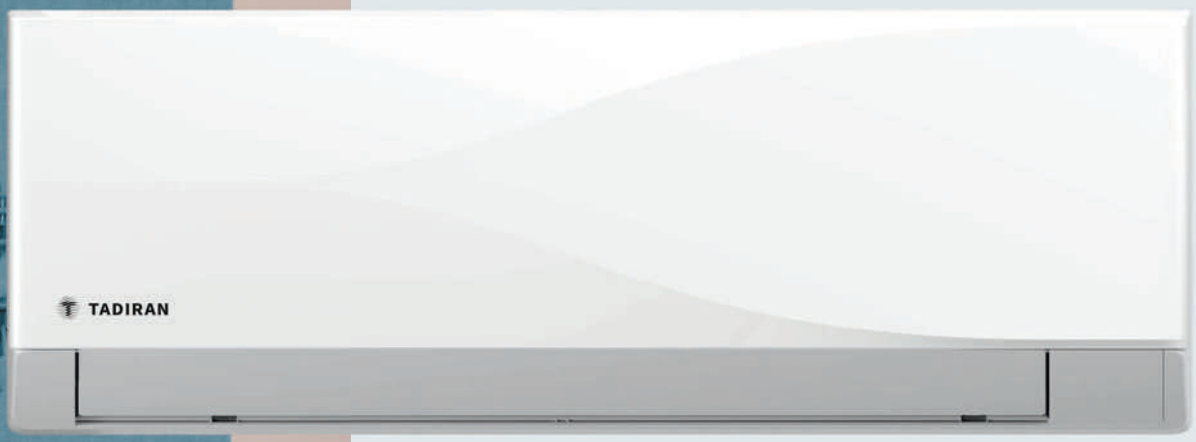
AUTO-RESTART

Ensures continuous comfort: after a blackout the unit restarts automatically when power returns, keeping the latest settings.

LOW VOLTAGE STARTUP

The unit intelligently starts with minimal inrush current, so as not to interfere with the use of other household appliances.







SIRIO

I-FEEL

MULTI SPEED

SLEEP

3D SWING

FAST COOLING

INTELLIGENT DEFROST

COLD AIR PREVENTION

AUTO CLEAN

AUTO RESTART

LOW VOLTAGE STARTUP

Description	Unit	TAD-SIRIO-25IT		TAD-SIRIO-35IT		TAD-SIRIO-50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,7 (0,70-3,45)	2,9 (0,70-3,65)	3,2 (0,65-3,85)	3,5 (0,70-4,05)	4,5 (1,30-5,50)	4,6 (1,30-5,50)
Power input nom. (min.-max.)	kW	0,836 (0,30-1,20)	0,781 (0,30-1,20)	0,990 (0,30-1,30)	0,943 (0,40-1,60)	1,960 (0,40-2,10)	1,400 (0,40-2,10)
Max current	A	6,4		7.3		9.1	
EER/COP (EN14511)		3,23	3,71	3,23	3,71	3,23	3,71
Pdesign	kW	2,7	2,6	3,2	3,0	4,9	3,6
SEER / SCOP average climate		6,5	4,0	6,1	4,0	6,1	4,0
Energy class *		A++	A+	A++	A+	A++	A+
Seasonal energy consumption	kWh/annum	145		184		259	
Air flow I.U.	m^3/h	630/550		650/550		810/730	
Dehumidification	l/h	1.2		1,4		2.0	
Sound pressure I.U.	dB(A)	38-34-29-19	37-33-29-19	38-34-29-20	38-34-29-20	44-41-37-32	42-38-35-32
Sound power I.U.	dB(A)	57	57	59	59	60	60
Sound pressure O.U. (h.)	dB(A)	50		51		54	
Sound power O.U. (h.)	dB(A)	62		64		65	
Compressor type		Rotary DC Inverter					
Refrigerant type/GWP		R32/675		R32/675		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	0,51/0,344		0,51/0,344		0,83/0,560	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Minimum/maximum piping length with standard charge	m	3-5		3-5		3-7	
Maximum piping length with additional charge	m	20		20		20	
Additional gas charge	g/m	20		20		20	
Maximum height difference	m	15		10		10	
Net dimensions I.U. (H/W/D)	mm	199/805/292		199/805/292		212/875/304	
Net dimensions O.U. (H/W/D)	mm	544/700/245		544/700/245		553/800/280	
Net weight I.U. / O.U.	Kg	8,8/21,0		8,8/22,4		10,0/29,0	

OPERATING LIMITS (outdoor temperature) Cooling: from -15 °C to +50 °C Heating: from -15 °C to +30 °C
ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C
*Data declared in compliance with EU Regulations No. 206/2012 on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011 on energy labelling of air conditioners, and tested according to EN14825:2012.







VEGA

I-FEEL

MULTI SPEED

SLEEP

3D SWING

FAST COOLING

INTELLIGENT DEFROST

COLD AIR PREVENTION

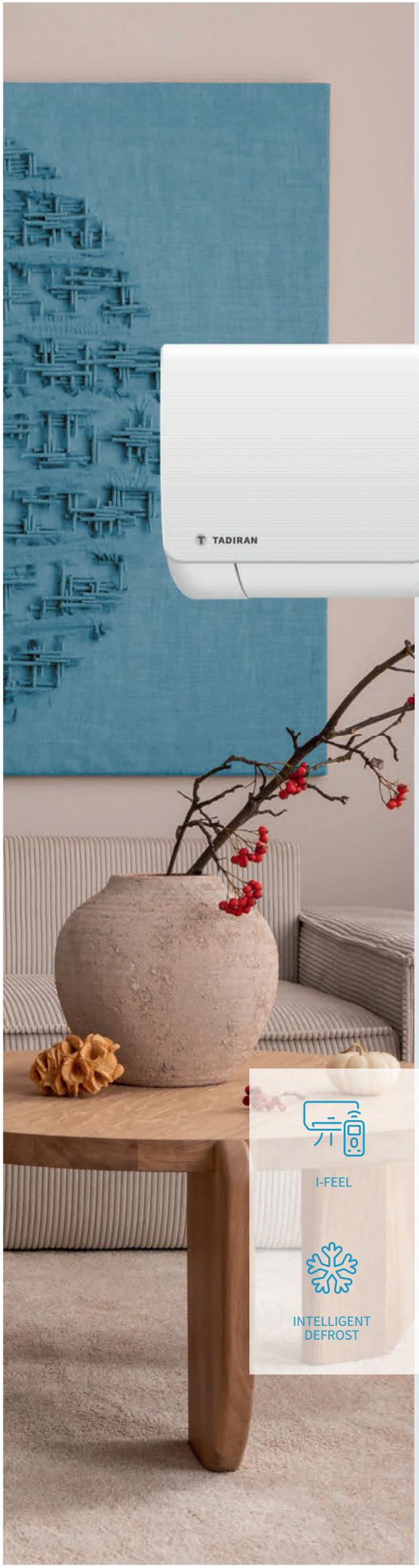
AUTO CLEAN

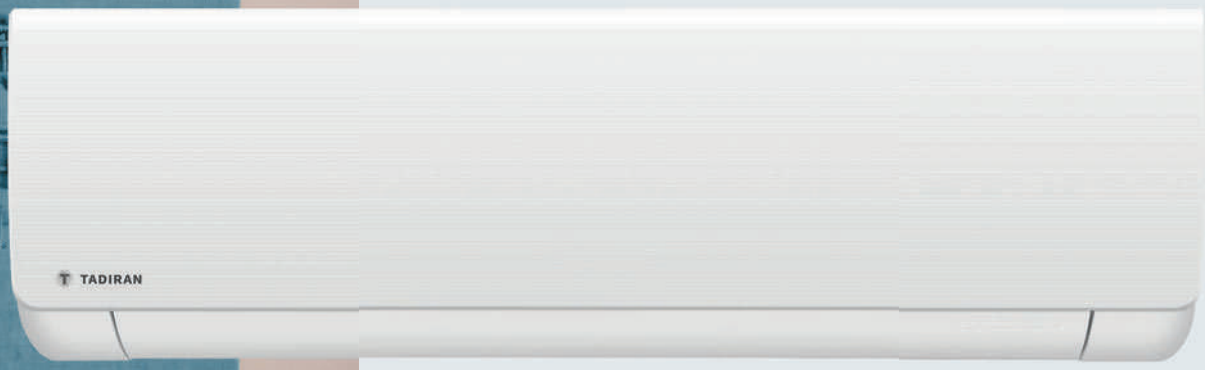
AUTO RESTART

LOW VOLTAGE STARTUP

Description	Unit	TAD-VEGA-25IT		TAD-VEGA-35IT		TAD-VEGA-50IT		TAD-VEGA-70IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,70 (0,80-3,80)	3,00 (0,90-4,25)	3,50 (0,90-4,40)	3,81 (0,90-4,70)	5,2 (1,00-6,10)	5,6 (1,19-6,60)	7,1 (2,00-8,80)	7,8 (1,80-9.45)
Power input nom. (min.-max.)	kW	0,695 (0,10-1,30)	0,700 0,15-1,40)	0,962 (0,22-1,40)	0,953 (0,22-1,55)	1,576 (0,1-2,35)	1,436 (0,18-2,40)	2,030 (0,45-2,90)	2,000 (0,35-3,00)
Max current	A	3,1	3,2	4,3	4,6	7,1	6,3	9,0	9,3
Maximum power consumption	KW	1,40		1,55		2,40		3,00	
EER/COP (EN14511)		3,88	4,28	3,64	3,99	3,29	3,90	3,50	3,90
Pdesign	kW	2,7	2,7	3,5	3,2	5,2	4,2	7,1	5,6
SEER / SCOP average climate (warm-cold)*		7,5	4,2 (5,3-3,4)	7,1	4,1 (5,2-3,1)	7,1	4,2 (5,7-3,4)	7,0	4,2 (5,4-3,4)
Energy class*		A++	A+	A++	A+	A++	A+	A++	A+
Seasonal energy consumption	kWh/annum	126	900	172	1092	256	1400	355	1867
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	610-570-540-470-440-420-390		700-650-600-540-480-420-360		850-750-680-610-570-520-460		1250-1100-1000-950-900-850-800	
Dehumidification	l/h	0,8		1,4		1,9		2,4	
Sound pressure I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	38-36-34-31-29-27-25	38-37-35-34-32-29-28	42-38-35-32-29-27-25	42-38-36-34-32-30-28	44-43-41-39-36-34-30	48-45-42-40-38-36-33	48-44-41-40-38-36-33	50-47-43-41-40-36-35
Sound power I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	54-48-46-43-41-39-37	56-49-47-46-44-41-40	57-50-47-44-41-39-37	52-48-46-44-42-40-38	60-56-54-51-49-47-43	60-58-55-53-51-49-46	64-59-56-55-53-51-48	64-62-58-56-55-51-50
Sound pressure O.U. (h.)	dB(A)	50		52		56		59	
Sound power O.U. (h.)	dB(A)	61		63		65		70	
Compressor type		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter		Twin Rotary DC Inverter	
Refrigerant type/GWP		R32/675		R32/675		R32/675		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	0,53/0,358		0,57/0,385		0,82/0,554		1,50/1,01	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		15,88 (5/8")	
Minimum/maximum piping length with standard charge	m	3-5		3-5		3-5		3-5	
Maximum piping length with additional charge	m	15		20		25		25	
Additional gas charge	g/m	16		16		16		40	
Maximum height difference	m	10		10		10		10	
Net dimensions I.U. (H/W/D)	mm	291/894/211		291/894/211		304/1017/221		328/1135/247	
Net dimensions O.U. (H/W/D)	mm	555/732/330		555/732/330		555/802/350		660/958/402	
Net weight I.U. / O.U.	Kg	11/24,5		11/24,5		13,5/30,5		16,5/41,5	

OPERATING LIMITS (outdoor temperature) Cooling: from -15 °C to +50 °C Heating: from -15 °C to +30 °C
ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C
*Data declared in compliance with EU Regulations No. 206/2012 on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011 on energy labelling of air conditioners, and tested according to EN14825:2012.







POLARIS

- I-FEEL
- MULTI SPEED
- SLEEP
- 3D SWING
- FAST COOLING
- INTELLIGENT DEFROST
- COLD AIR PREVENTION
- AUTO CLEAN
- AUTO RESTART
- LOW VOLTAGE STARTUP

Description	Unit	TAD-POLA-25IT		TAD-POLA-35IT		TAD-POLA-50IT		TAD-POLA-70IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,70 (0,40-3,70)	3,00 (0,70-4,00)	3,50 (0,90-4,30)	3,81 (0,90-4,70)	5,1 (1,00-6,50)	5,6 (1,10-6,80)	7,1 (1,00-8,80)	7,8 (1,50-9.50)
Power input nom. (min.-max.)	kW	0,670 (0,10-1,30)	0,674 (0,14-1,40)	0,910 (0,12-1,48)	0,950 (0,18-1,75)	1,417 (0,10-2,30)	1,417 (0,10-2,30)	1,868 (0,22-2,80)	1,902 (0,29-3,70)
Max current	A	3,5	3,5	4,3	4,6	6,4	6,2	8,7	9
Maximum power consumption	KW	1,40		1,75		2,30		3,70	
EER/COP (EN14511)		4,03	4,45	3,85	4,00	3,60	4,10	3,80	4,10
Pdesign	kW	2,7	2,7	3,5	3,0	5,1	4,1	7,1	5,6
SEER / SCOP average climate (warm-cold)*		8,5	4,6 (5,7-3,5)	8,5	4,8 (5,8-3,5)	8,5	4,6 (5,8-3,7)	8,5	4,6 (5,7-3,6)
Energy class*		A+++	A++	A+++	A++	A+++	A++	A+++	A++
Seasonal energy consumption	kWh/annum	111	822	144	875	210	1248	292	1704
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	610-530-500-450-350-290-230-180		650-540-505-405-380-330-310-260		1000-960-870-810-720-640-600-550		1250-1100-1000-950-900-850-800-600	
Dehumidification	l/h	0,8		1,4		1,9		2,4	
Sound pressure I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	39-36-33-30-25-23-21-18	39-36-34-31-30-29-27	43-39-37-34-32-30-24-18	44-39-37-35-33-32-31	47-45-43-41-35-33-30-26	47-45-42-40-38-36-33	48-44-41-40-38-37-35-27	50-47-43-41-40-38-36
Sound power I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	57-50-47-44-39-36-35-32	57-50-48-45-44-43-41	58-54-52-49-47-45-39-33	58-53-51-49-47-46-45	60-58-56-54-48-46-43-39	60-58-55-53-51-49-46	65-59-56-55-53-51-48-42	64-62-58-56-55-51-50
Sound pressure O.U. (h.)	dB(A)	51		53		59		60	
Sound power O.U. (h.)	dB(A)	61		63		65		70	
Compressor type		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter		Twin Rotary DC Inverter	
Refrigerant type/GWP		R32/675		R32/675		R32/675		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	0,50/0,340		0,60/0,410		0,95/0,640		1,40/0,945	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		15,88 (5/8")	
Minimum/maximum piping length with standard charge	m	3-5		3-5		3-5		3-5	
Maximum piping length with additional charge	m	15		20		25		25	
Additional gas charge	g/m	16		16		16		40	
Maximum height difference	m	10		10		10		10	
Net dimensions I.U. (H/W/D)	mm	276/890/206		291/894/211		333/1000/249		333/1138/249	
Net dimensions O.U. (H/W/D)	mm	555/732/330		555/802/350		555/873/376		660/958/402	
Net weight I.U. / O.U.	Kg	9,0/23,5		9,0/27,0		13,5/37,0		15,5/42,5	

OPERATING LIMITS (outdoor temperature) Cooling: from -15 °C to +50 °C Heating: from -15 °C to +30 °C
ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C
*Data declared in compliance with EU Regulations No. 206/2012 on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011 on energy labelling of air conditioners, and tested according to EN14825:2012.

CONSOLE



I-FEEL

MULTI SPEED

SLEEP

3D SWING

FAST COOLING

INTELLIGENT DEFROST

COLD AIR PREVENTION

AUTO CLEAN

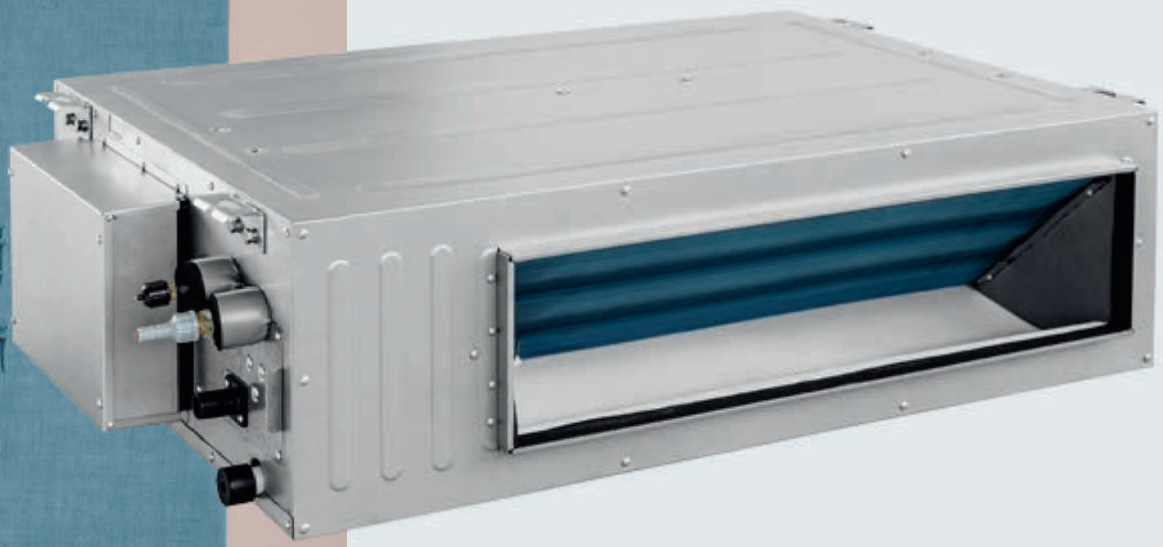
AUTO RESTART

LOW VOLTAGE STARTUP

Description	Unit	TAD-CONS-25IT		TAD-CONS-35IT		TAD-CONS-50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,70 (0,50-3,40)	2,90 (0,60-3,65)	3,52 (0,80-4,40)	3,80 (1,50-4,40)	5,2 (1,20-6,20)	5,3 (1,10-6,20)
Power input nom. (min.-max.)	kW	0,70 (0,15-1,10)	0,73 (0,15-1,20)	0,926 (0,23-1,15)	0,96 (0,18-1,70)	1,576 (0,1-2,35)	1,436 (0,18-2,40)
Max current	A	3,5	3,5	4,6	4,6	6,6	7,1
Maximum power consumption	KW	1,20		1,70		2,40	
EER/COP (EN14511)		3,86	3,97	3,80	3,96	3,60	3,45
Pdesign	kW	2,7	2,6	3,5	3,2	5,2	4,8
SEER / SCOP average climate*		7,8	4,2	7,2	4,1	7,2	4,0
Energy class*		A++	A+	A++	A+	A++	A+
Seasonal energy consumption	kWh/ annum	121	867	170	1093	253	1680
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	500-430-410-370-330-280-250		600-520-480-440-400-360-280		750-670-600-520-470-430-350	
Dehumidification	l/h	0,8		1,2		1,8	
Sound pressure I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	39-36-34-32-29-26-23	39-36-34-32-29-25-22	44-40-38-36-33-29-25	44-40-38-36-33-29-25	49-47-45-42-40-37-32	51-48-45-43-40-38-33
Sound power I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	52-48-46-44-41-38-35	52-48-46-44-41-37-34	55-51-49-47-44-40-36	55.51.49.47.44.40.36	60-58-56-53-51-48-43	60-57-54-52-49-47-42
Sound pressure O.U. (h.)	dB(A)	51		53		59	
Sound power O.U. (h.)	dB(A)	61		63		65	
Compressor type		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter	
Refrigerant type/GWP		R32/675		R32/675		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	0,51/0,340		0,75/0,510		1,00/0,680	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Minimum/maximum piping length with standard charge	m	3-5		3-5		3-5	
Maximum piping length with additional charge	m	15		20		25	
Additional gas charge	g/m	16		16		16	
Maximum height difference	m	10		10		10	
Net dimensions I.U. (H/W/D)	mm	600/700/215		600/700/216		600/700/217	
Net dimensions O.U. (H/W/D)	mm	555/732/330		555/802/330		660/958/402	
Net weight I.U. / O.U.	Kg	16/24		16/27,5		16/41	

OPERATING LIMITS (outdoor temperature) Cooling: from -15 °C to +50 °C Heating: from -15 °C to +30 °C
ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C
*Data declared in compliance with EU Regulations No. 206/2012 on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011 on energy labelling of air conditioners, and tested according to EN14825:2012.





DUCTED



CONDENSATE PUMP

MULTI SPEED

SLEEP

FAST COOLING

SMART DEFROST

COLD AIR PREVENTION

AUTO RESTART

LOW VOLTAGE STARTUP

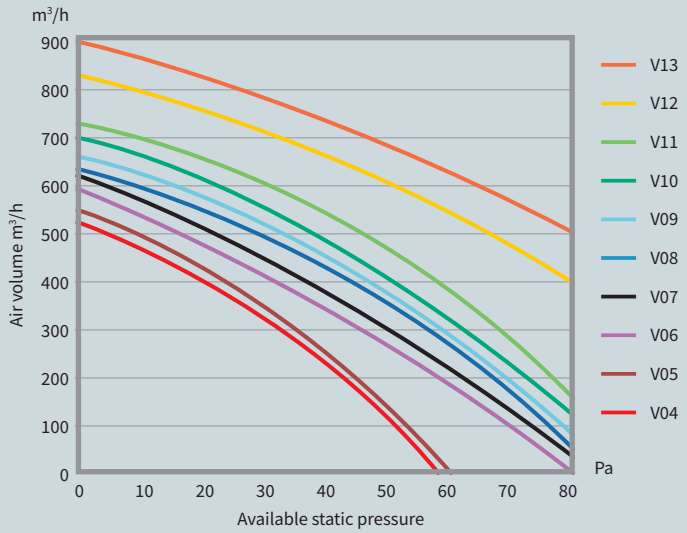
Description	Unit	TAD-SLIM-35IT		TAD-SLIM-50IT		TAD-SLIM-70IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	3,50 (0,90-4,00)	4,00 (0,90-4,50)	5,30 (1,60-5,80)	5,60 (1,60-6,10)	7,1 (2,40-7,60)	8,00 (2,20-8,60)
Power input nom. (min.-max.)	kW	1,03 (0,20-1,30)	1,00 (0,20-1,30)	1,51 (0,30-1,80)	1,42 (0,30-1,80)	1,92 (0,50-2,60)	2,00 (0,50-2,60)
Max current	A	4,9		4,8		7,2	
Maximum power consumption	KW	1,30		1,90		2,80	
EER/COP (EN14511)		3,40	4,00	3,50	3,95	3,70	4,00
Pdesign	kW	3,3	3,0	5,3	3,9	7,1	4,7
SEER / SCOP average climate*		6,5	4,0	6,3	4,0	6,6	4,1
Energy class*		A++	A+	A++	A+	A++	A+
Seasonal energy consumption	kWh/ annum	189 / 1.050		294 / 1.365		377 / 1.605	
Air flow I.U.	m^3/h	600-550-500-400		900-800-700-600		1100-1000-900-800	
Static pressure available	Pa	0-80		0-80		0-160	
Dehumidification	l/h	1,0		1,7		2,4	
Sound pressure I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	35-33-32-30		36-35-33-31		37-35-33-31	
Sound power I.U. [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	56		59		59	
Sound pressure O.U. (h.)	dB(A)	48		52		55	
Sound power O.U. (h.)	dB(A)	56		65		69	
Compressor type		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter	
Refrigerant type/GWP		R32/675		R32/675		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	0,57/0,384		0,85/0,574		1,50/1,013	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		12,7 (1/2")		12,7 (1/2")	
Minimum/maximum piping length with standard charge	m	3-5		3-5		3-5	
Maximum piping length with additional charge	m	30		30		30	
Additional gas charge	g/m	16		16		16	
Maximum height difference	m	10		10		10	
Net dimensions I.U. (H/W/D)	mm	200-700-450		200-1000-450		260-900-655	
Net dimensions O.U. (H/W/D)	mm	553/675/285		555/745/300		660/889/340	
Net weight I.U. / O.U.	Kg	18/24,5		24/30,5		29,5/41,5	

OPERATING LIMITS (outdoor temperature) Cooling: from -15 °C to +50 °C Heating: from -15 °C to +30 °C
ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C
*Data declared in compliance with EU Regulations No. 206/2012 on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011 on energy labelling of air conditioners, and tested according to EN14825:2012.

DUCTED UNIT CURVES

MODEL
TAD-SLIM-IDU35IT

The wired controller can be used to change the available static pressure at turbo, high, medium and low fan speeds.
5 available static pressure levels can be set from the controller.

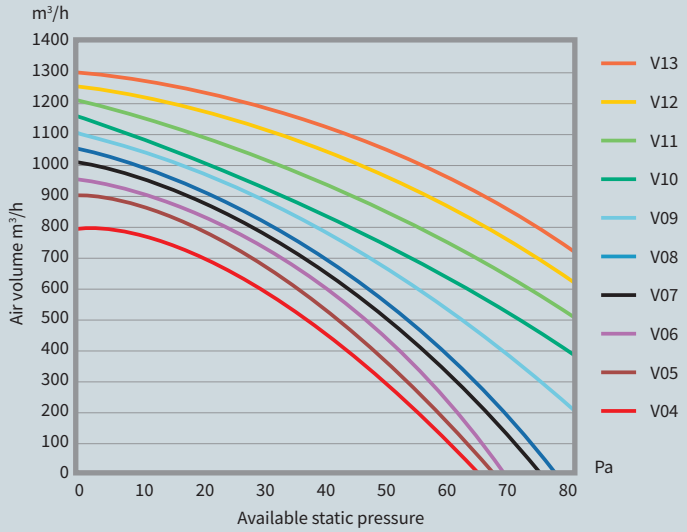


VAILABLE STATIC PRESSURE	TURBO SPEED	HIGH SPEED	MEDIUM SPEED	LOW SPEED
P03	V09	V08	V06	V04
P04	V10	V09	V07	V05
P05*	**V11**	**V10**	**V08**	**V06**
P06	V12	V11	V09	V07
P07	V13	V12	V10	V08

* default available static pressure level.

MODEL
TAD-SLIM-IDU50IT

The wired controller can be used to change the available static pressure at turbo, high, medium and low fan speeds.
5 available static pressure levels can be set from the controller.

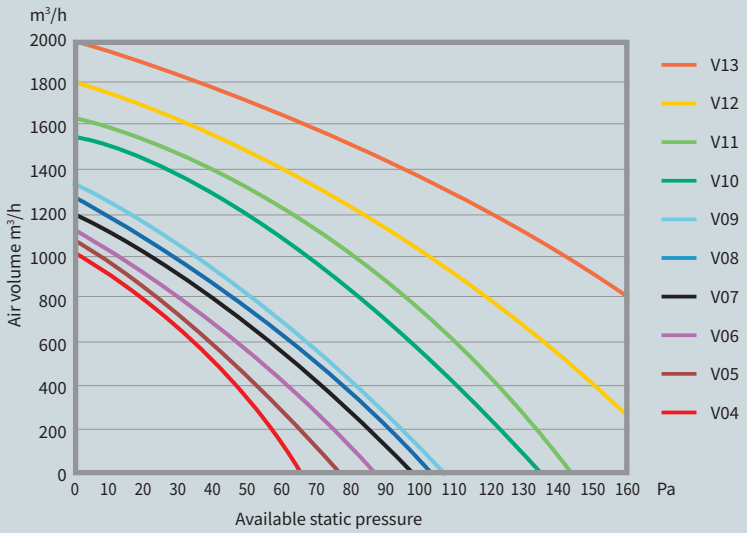


VAILABLE STATIC PRESSURE	TURBO SPEED	HIGH SPEED	MEDIUM SPEED	LOW SPEED
P03	V09	V08	V06	V04
P04	V10	V09	V07	V05
P05*	**V11**	**V10**	**V08**	**V06**
P06	V12	V11	V09	V07
P07	V13	V12	V10	V08

* default available static pressure level.

MODEL
TAD-SLIM-IDU70IT

The wired controller can be used to change the available static pressure at turbo, high, medium and low fan speeds.
5 available static pressure levels can be set from the controller.



VAILABLE STATIC PRESSURE	TURBO SPEED	HIGH SPEED	MEDIUM SPEED	LOW SPEED
P01	V05	V03	V02	V01
P02	V06	V04	V03	V02
P03	V07	V05	V04	V03
P04	V08	V06	V05	V04
P05*	**V09**	**V07**	**V06**	**V05**
P06	V10	V08	V07	V06
P07	V11	V09	V08	V07
P08	V12	V10	V09	V08
P09	V13	V11	V10	V09

* default available static pressure level.

OUTDOOR UNITS

DUAL

TAD-2MUL-41IT
TAD-2MUL-53IT



TRIAL

TAD-3MUL-61IT
TAD-3MUL-71IT



QUAD

TAD-4MUL-80IT
TAD-4MUL-106IT



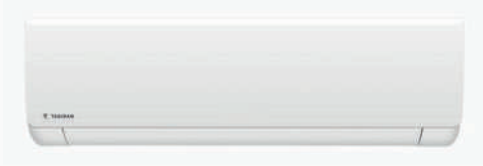


MULTI STAR SYSTEM

A range covering every possible residential solution, with products that extend applications to shops, bars and restaurants.
Wall-mounted indoor units available in 3 different designs, with different features designed for the most demanding customers.



VEGA



POLARIS



CONSOLE



4-WAY CASSETTE



DUCTED

THE RANGE

OUTDOOR UNITS



Dual 41/53



Trial 61/71 - Quad 80



Quad 106



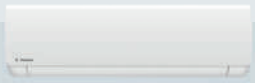
VEGA
20/25/35/50/70

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





POLARIS
25/35/50/70

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





CONSOLE
25/35/50

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





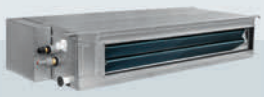
4-WAY CASSETTE
25/35

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





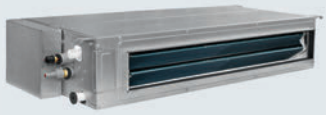
DUCTED
25/35/50

WIRED (STANDARD)





CENTRALIZED CONTROL
TAD-MUL-CCIT
(OPTIONAL)

MODEL		CONTROLS	COOLING CAPACITY				
			20	25	35	50	70
VEGA			●	●	●	●	●
POLARIS				●	●	●	●
CONSOLE				●	●	●	
4-WAY CASSETTE				●	●		
DUCTED				●	●	●	

REDUCTION FITTINGS SUPPLIED WITH THE OUTDOOR UNITS

For indoor units with a gas pipe diameter other than 9.52 mm (3/8"), use the reduction fittings supplied with the units outdoor units, as shown in the table below:

Model	Standard liquid pipe		Standard gas pipe		Fittings supplied in the outdoor unit packaging					
	Size	Quantity	Size	Quantity	Size	Quantity	Size	Quantity	Size	Quantity
TAD-3MUL-53IT	ƒ 6.35	3	ƒ 9.52	3	ƒ 6.35 (1/4") ↦ ƒ 9.52 (3/8")	0	ƒ 9.52 (3/8") ↦ ƒ 12.7 (1/2")	1	ƒ 9.52 (3/8") ↦ ƒ 15.9 (5/8")	0
TAD-3MUL-71IT	ƒ 6.35	3	ƒ 9.52	3	ƒ 6.35 (1/4") ↦ ƒ 9.52 (3/8")	0	ƒ 9.52 (3/8") ↦ ƒ 12.7 (1/2")	2	ƒ 9.52 (3/8") ↦ ƒ 15.9 (5/8")	0
TAD-4MUL-80IT	ƒ 6.35	4	ƒ 9.52	4	ƒ 6.35 (1/4") ↦ ƒ 9.52 (3/8")	0	ƒ 9.52 (3/8") ↦ ƒ 12.7 (1/2")	2	ƒ 9.52 (3/8") ↦ ƒ 15.9 (5/8")	0
TAD-4MUL-106IT	ƒ 6.35	4	ƒ 9.52	4	ƒ 6.35 (1/4") ↦ ƒ 9.52 (3/8")	0	ƒ 9.52 (3/8") ↦ ƒ 12.7 (1/2")	3	ƒ 9.52 (3/8") ↦ ƒ 15.9 (5/8")	2



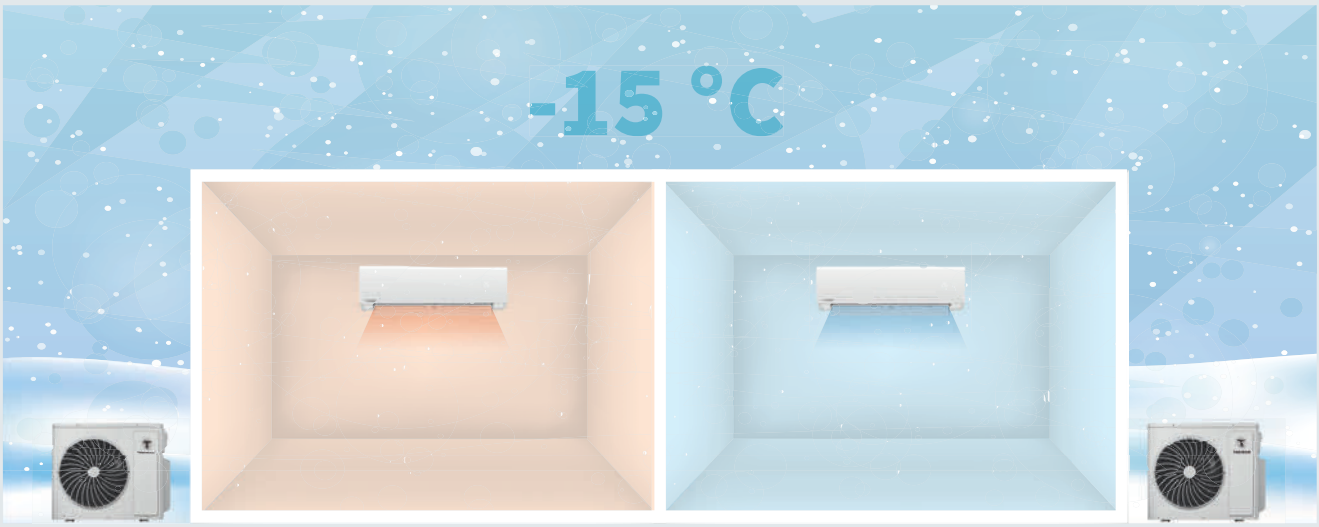
HIGH RELIABILITY

FLEXIBLE MATCHING

Outdoor units can be combined with all types of indoor units.

OPERATION DOWN TO LOW OUTDOOR TEMPERATURES

The ability to operate down to -15 °C, in both cooling and heating, ensures high product reliability: when the outdoor temperature varies, the compressor frequency and fan speed adjust accordingly.



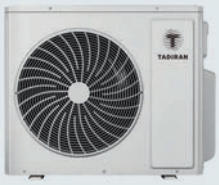
CONNECTIVITY

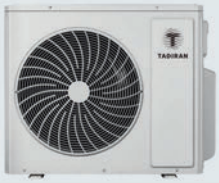
TAD-2MUL-41IT	1 indoor unit	2 indoor units	
	20	20+20	25+25
	25	20+25	25+35
	35	20+35	

TAD-2MUL-53IT	1 indoor unit	2 indoor units	
	25	20+25	25+35
	35	20+35	35+35

TAD-3MUL-61IT		2 indoor units		3 indoor units	
		20+20	25+25	20+20+20	25+25+25
		20+25	25+35	20+20+25	25+25+35
		20+35	25+50	20+20+35	
		20+50	35+35	20+25+25	
			35+50	20+25+35	
				20+35+35	

TAD-3MUL-71IT		2 indoor units		3 indoor units	
		20+20	25+25	20+20+20	25+25+25
		20+25	25+35	20+20+25	25+25+35
		20+35	25+50	20+20+35	25+25+50
		20+50	35+35	20+20+50	25+35+35
			35+50	20+25+25	35+35+35
			50+50	20+25+35	
				20+25+50	
				20+35+35	

TAD-4MUL-80IT		2 indoor units		3 indoor units		4 indoor units	
		20+20	25+25	20+20+20	20+35+50	20+20+20+20	20+25+25+25
		20+25	25+35	20+20+25	25+25+25	20+20+20+25	20+25+25+35
		20+35	25+50	20+20+35	25+25+35	20+20+20+35	20+25+35+35
		20+50	35+35	20+20+50	25+25+50	20+20+20+50	25+25+25+25
			35+50	20+25+25	25+35+35	20+20+25+25	25+25+25+35
			50+50	20+25+35	25+35+50	20+20+25+35	25+25+35+35
				20+25+50	35+35+35	20+20+25+50	
				20+35+35	35+35+50	20+20+35+35	

TAD-4MUL-106IT		2 indoor units		3 indoor units		4 indoor units	
		20+35	35+35	20+20+20	25+25+25	20+20+20+20	20+25+35+50
		20+50	35+50	20+20+25	25+25+35	20+20+20+25	20+25+35+70
		20+70	35+70	20+20+35	25+25+50	20+20+20+35	20+25+50+50
		25+25	50+50	20+20+50	25+25+70	20+20+20+50	20+35+35+35
		25+35	50+70	20+20+70	25+35+35	20+20+20+70	20+35+35+50
		25+50	70+70	20+25+25	25+35+50	20+20+25+25	25+25+25+25
		25+70		20+25+35	25+35+70	20+20+25+35	25+25+25+35
				20+25+50	25+50+50	20+20+25+50	25+25+25+50
				20+25+70	25+50+70	20+20+25+70	25+25+25+70
				20+35+35	35+35+35	20+20+35+35	25+25+35+35
				20+35+50	35+35+50	20+20+35+50	25+25+35+50
				20+35+70	35+35+70	20+20+35+70	25+25+35+70
				20+50+50	35+50+50	20+20+50+50	25+25+50+50
				20+50+70	35+50+70	20+25+25+25	25+35+35+35
					50+50+50	20+25+25+35	25+35+35+50
						20+25+25+50	35+35+35+35
						20+25+25+70	35+35+35+50
						20+25+35+35	



OUTDOOR UNITS



Description	Unit	TAD-2MUL-41IT	
		Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	4,10 (2,05-5,00)	4,40 (2,49-5,40)
Power input nom. (min.-max.)	kW	1,10 (0,55-1,40)	0,97 (0,60-1,78)
Max current	A	10	
Maximum power consumption	KW	2,25	
EER/COP (EN14511)		3,72	4,54
Pdesign	kW	4,1	3,8
SEER / SCOP average climate (heat-cool)*		6,5	4
Energy class *		A++	A+
Seasonal energy consumption	kWh/ annum	220	1330
Sound pressure O.U. (h.)	dB(A)	50	52
Sound power O.U. (h.)	dB(A)	62	
Compressor type		Rotary DC Inverter	
Refrigerant type/GWP		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	0,75/0,506	
Liquid pipe diameter	mm (inch)	6,35 (1/4") x 2	
Gas pipe diameter	mm (inch)	9,52 (3/8") x 2	
Minimum/maximum piping length with standard charge	m	3-10	
Maximum piping length with additional charge	m	40	
Additional gas charge	g/m	20	
Maximum height difference	m	15	
Net dimensions (H/W/D)	mm	550/882/352	
Net weight	Kg	30	





TAD-2MUL-53IT		TAD-3MUL-61IT		TAD-3MUL-71IT		TAD-4MUL-80IT		TAD-4MUL-106IT	
Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
5,30 (2,14-5,80)	5,65 (2,58-6,50)	6,10 (2,20-8,30)	6,50 (3,60-8,50)	7,10 (2,30-9,20)	8,60 (3,65-9,20)	8,00 (2,30-11,0)	9,50 (3,65-10,25)	10,6 (2,6-12)	12,00 (3,00-14,00)
1,48 (0,56-1,56)	1,25 (0,78-1,78)	1,48 (0,95-2,39)	1,43 (0,78-2,87)	1,88 (1,10-2,87)	2,23 (0,98-2,87)	2,12 (1,30-,3,58)	2,20 (1,00-2,87)	3,00	3,04
11,0		12,9		15,0		16		21,4	
2,50		2,9		3,4		3,6		5,0	
3,58	4,53	4,12	4,56	3,77	3,86	3,77	4,31	3,53	3,95
5,3	4,3	6,1	6,1	7,1	6,1	8,0	7,2	10,6	10,5
6,6	4	6,1	4	6,1	3,9	6,1	4	7,2	3,8
A++	A+	A++	A+	A++	A+	A++	A+	A++	A+
281	1505	350	2135	407	2189	459	2520	515	3675
50	54	57	58	57	58	58	58	60	60
63		68		68		68		70	
Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter		Rotary DC Inverter	
R32/675		R32/675		R32/675		R32/675		R32/675	
0,90/0,608		1,6/1,080		1,7/1,148		1,8/1,215		2,40/1,62	
6,35 (1/4") x 2		6,35 (1/4") x 3		6,35 (1/4") x 3		6,35 (1/4") x 4		6,35 (1/4") x 4	
9,52 (3/8") x 2		9,52 (3/8") x 3		9,52 (3/8") x 3		9,52 (3/8") x 4		9,52 (3/8") x 4	
3-10		3-30		3-30		3-40		3-40	
40		60		60		70		80	
20		20		20		20		20	
15		15		15		15		25	
550/882/352		660/964/402		660/964/402		660/964/402		826/1020/427	
32		47,5		47,5		51		72	

OPERATING LIMITS (outdoor temperature) Cooling: from -15 °C to +50 °C Heating: from -15 °C to +30 °C
ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C
*Data declared in compliance with EU Regulations No. 206/2012 on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011 on energy labelling of air conditioners, and tested according to EN14825:2012.



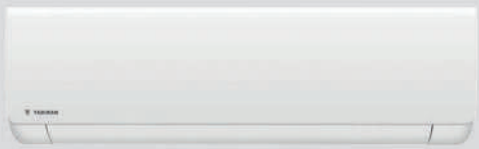
INDOOR UNITS

VEGA



I-FEEL
MULTI SPEED
SLEEP
3D SWING
FAST COOLING
SMART DEFROST
COLD AIR PREVENTION
AUTO CLEAN
AUTO RESTART
LOW VOLTAGE STARTUP

POLARIS



I-FEEL
MULTI SPEED
SLEEP
3D SWING
FAST COOLING
SMART DEFROST
COLD AIR PREVENTION
AUTO CLEAN
AUTO RESTART
LOW VOLTAGE STARTUP

CONSOLE



I-FEEL
MULTI SPEED
SLEEP
3D SWING
FAST COOLING
SMART DEFROST
COLD AIR PREVENTION
AUTO CLEAN
AUTO RESTART
LOW VOLTAGE STARTUP

Description	Unit	TAD-VEGA-IDU-20IT		TAD-VEGA-IDU-25IT		TAD-VEGA-IDU-35IT		TAD-VEGA-IDU-50IT		TAD-VEGA-IDU-70IT	
		Cooling	Heating	Cooling.	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,10	2,60	2,70 (0,80-3,80)	3,00 (0,90-4,25)	3,50 (0,90-4,40)	3,81 (0,90-4,70)	5,2 (1,00-6,10)	5,6 (1,19-6,60)	7,1 2,00-8,80)	7,8 (1,80-9.45)
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	500-430-300		610-570-540-470-440-420-390		700-650-600-540-480-420-360		850-750-680-610-570-520-460		1250-1100-1000-950-900-850-800	
Dehumidification	l/h	0,8		0,8		1,4		1,9		2,4	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	40-37-35-28	40-37-35-28	38-36-34-31-29-27-25	38-37-35-34-32-29-28	42-38-35-32-29-27-25	42-38-36-34-32-30-28	44-43-41-39-36-34-30	48-45-42-40-38-36-33	48-44-41-40-38-36-33	50-47-43-41-40-36-35
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	55-49-47-40	55-49-47-40	54-48-46-43-41-39-37	56-49-47-46-44-41-40	57-50-47-44-41-39-37	52-48-46-44-42-40-38	60-56-54-51-49-47-43	60-58-55-53-51-49-46	64-59-56-55-53-51-48	64-62-58-56-55-51-50
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		15,88 (5/8")	
Net dimensions (H/W/D)	mm	254/819/185		291/894/211		291/894/211		304/1017/221		328/1135/247	
Net weight	Kg	8,5		11		11		13,5		16,5	

Description	Unit	TAD-POLA-IDU25IT		TAD-POLA-IDU35IT		TAD-POLA-IDU50IT		TAD-POLA-IDU70IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,70 (0,40-3,70)	3,00 (0,70-4,00)	3,50 (0,90-4,30)	3,81 (0,90-4,70)	5,10 (1,00-6,50)	5,60 (1,10-6,80)	7,10 (1,00-8,80)	7,80 (1,50-9.50)
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	610-530-500-450-350-290-230-180		650-540-505-405-380-330-310-260		1000-960-870-810-720-640-600-550		1250-1100-1000-950-900-850-800-600	
Dehumidification	l/h	0,8		1,4		1,9		2,4	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	39-36-33-30-25-23-21-18	39-36-34-31-30-29-27	43-39-37-34-32-30-24-18	44-39-37-35-33-32-31	47-45-43-41-35-33-30-26	47-45-42-40-38-36-33	48-44-41-40-38-37-35-27	50-47-43-41-40-38-36
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	57-50-47-44-39-36-35-32	57-50-48-45-44-43-41	58-54-52-49-47-45-39-33	58-53-51-49-47-46-45	60-58-56-54-48-46-43-39	60-58-55-53-51-49-46	65-59-56-55-53-51-48-42	64-62-58-56-55-51-50
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		15,88 (5/8")	
Net dimensions (H/W/D)	mm	276/890/206		291/894/211		333/1000/249		333/1138/249	
Net weight	Kg	9,0		9,0		13,5		15,5	

Description	Unit	TAD-CONS-MIDU-25IT		TAD-CONS-MIDU-35IT		TAD-CONS-MIDU-50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,70 (0,50-3,40)	2,90 (0,60-3,65)	3,52 (0,80-4,40)	3,80 (1,50-4,40)	5,2 (1,20-6,20)	5,3 (1,10-6,20)
Pdesign	kW	2,7	2,6	3,5	3,2	5,2	4,8
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	500-430-410-370-330-280-250		600-520-480-440-400-360-280		750-670-600-520-470-430-350	
Dehumidification	l/h	0,8		1,2		1,8	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	39-36-34-32-29-26-23	39-36-34-32-29-25-22	44-40-38-36-33-29-25	44-40-38-36-33-29-25	49-47-45-42-40-37-32	51-48-45-43-40-38-33
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	52-48-46-44-41-38-35	52-48-46-44-41-37-34	55-51-49-47-44-40-36	55-51-49-47-44-40-36	60-58-56-53-51-48-43	60-57-54-52-49-47-42
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Net dimensions (H/W/D)	mm	600/700/215		600/700/215		600/700/215	
Net weight	Kg	16		16		16	



INDOOR UNITS

4-WAY CASSETTE



- I-FEEL
- MULTI SPEED
- SLEEP
- CONDENSATE PUMP
- FAST COOLING
- SMART DEFROST
- COLD AIR PREVENTION
- AUTO CLEAN
- AUTO RESTART
- LOW VOLTAGE STARTUP

DUCTED



- CONDENSATE PUMP
- MULTI SPEED
- SLEEP
- 3D SWING
- FAST COOLING
- SMART DEFROST
- COLD AIR PREVENTION
- AUTO CLEAN
- AUTO RESTART
- LOW VOLTAGE STARTUP

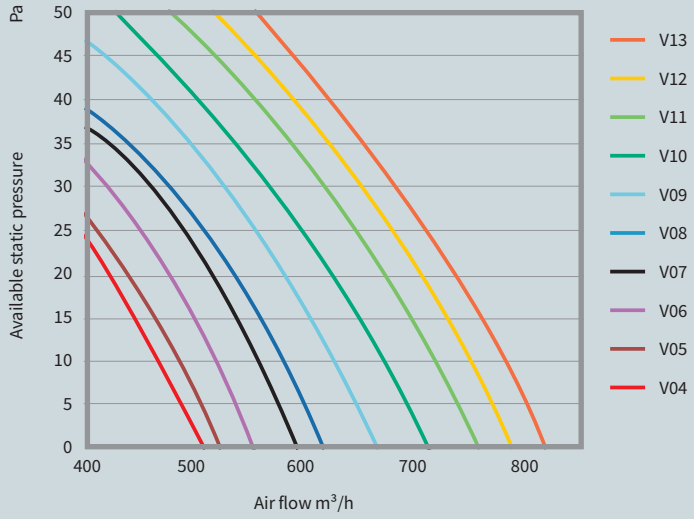
Description	Unit	TAD-CAS-MIDU25IT		TAD-CAS-MIDU35IT	
		Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,8	2,8	3,5	4,0
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	540-450-380		540-450-380	
Dehumidification	l/h	1,4		1,4	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	41-39-34-30	40-38-34-30	41-39-34-30	40-38-34-30
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	57-55-50-46	57-55-50-46	57-55-50-46	57-55-50-46
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")	
Cassette net dimensions (H/W/D)	mm	265/570/570		265/570/570	
Panel net dimensions (H/W/D)	mm	47,5/620/620		47,5/620/620	
Net weight	Kg	17		17	

Description	Unit	TAD-SLIM-MIDU25IT		TAD-SLIM-MIDU35IT		TAD-SLIM-MIDU50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,65	2,8	3,5	4,0	5,0	5,5
Air flow (h.-mh.-m.-l)	m^3/h	670-610-550		650-560-480-410		880-840-790-750	
Available static pressure	Pa	25		25		25	
Dehumidification	l/h	0,8		1,4		1,8	
Sound pressure	dB(A)	41-39-37-35		39-37-35-33		41-39-38-37	
Sound power	dB(A)	57-55-53-51		55-53-51-49		57-55-54-53	
Liquid pipe diameter	mm (poll)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (poll)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Net dimensions (H/W/D)	mm	200-710-450		200-710-450		260-1010-655	
Net weight	Kg	18,5		19		25	

DUCTED UNIT CURVES

MODEL
TAD-SLIM-MIDU25IT

The wired controller can be used to change the available static pressure at super-high, high, medium-high, medium, medium-low fan speeds, low, quiet. 5 available static pressure levels can be set from the controller.

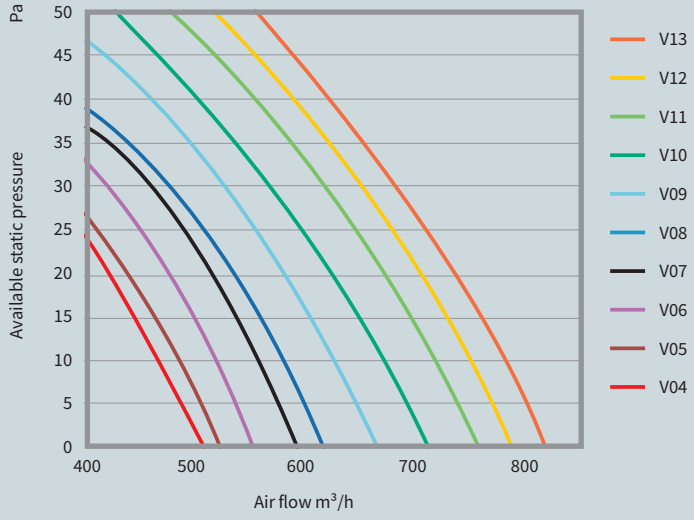


AVAILABLE STATIC PRESSURE	SUPER HIGH SPEED	HIGH SPEED	MEDIUM HIGH SPEED	MEDIUM SPEED	MEDIUM LOW SPEED	LOW SPEED	QUIET SPEED
P03	V10	V08	V07	V06	V05	V04	V03
P04	V10	V09	V08	V07	V06	V05	V04
P05*	**V11**	**V10**	**V09**	**V08**	**V07**	**V06**	**V05**
P06	V12	V11	V10	V09	V08	V07	V06
P07	V13	V12	V10	V11	V10	V09	V08

* default available static pressure level.

MODEL
TAD-SLIM-MIDU35IT

The wired controller can be used to change the available static pressure at super-high, high, medium-high, medium, medium-low fan speeds, low, quiet. 5 available static pressure levels can be set from the controller.

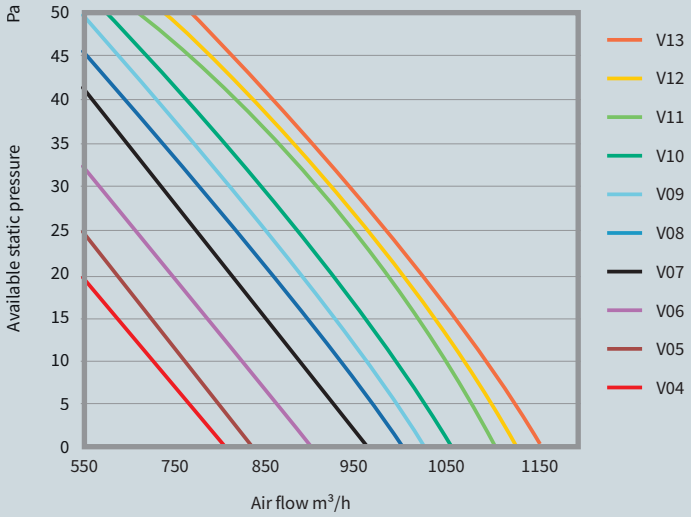


AVAILABLE STATIC PRESSURE	SUPER HIGH SPEED	HIGH SPEED	MEDIUM HIGH SPEED	MEDIUM SPEED	MEDIUM LOW SPEED	LOW SPEED	QUIET SPEED
P03	V10	V08	V07	V06	V05	V04	V03
P04	V10	V09	V08	V07	V06	V05	V04
P05*	**V11**	**V10**	**V09**	**V08**	**V07**	**V06**	**V05**
P06	V12	V11	V10	V09	V08	V07	V06
P07	V13	V12	V10	V11	V10	V09	V08

* default available static pressure level.

MODEL
TAD-SLIM-MIDU50IT

The wired controller can be used to change the available static pressure at super-high, high, medium-high, medium, medium-low fan speeds, low, quiet. 5 available static pressure levels can be set from the controller.



AVAILABLE STATIC PRESSURE	SUPER HIGH SPEED	HIGH SPEED	MEDIUM HIGH SPEED	MEDIUM SPEED	MEDIUM LOW SPEED	LOW SPEED	QUIET SPEED
P03	V10	V08	V07	V06	V05	V04	V03
P04	V10	V09	V08	V07	V06	V05	V04
P05*	**V11**	**V10**	**V09**	**V08**	**V07**	**V06**	**V05**
P06	V12	V11	V10	V09	V08	V07	V06
P07	V13	V12	V10	V11	V10	V09	V08

* default available static pressure level.

Multi Star Systems Combinations

COOLING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated cooling total (kW)			Total power input (kW)			Total current draw (A) 230V			EER (W/W)*	SEER (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-2MUL-41IT	20	2,20				2,05	2,20	2,90	0,20	0,65	1,30	0,89	2,88	5,77	3,38	6.10	A++
	25	2,60				2,05	2,60	3,00	0,20	0,70	1,30	0,89	3,11	5,77	3,71	6.10	A++
	35	3,50				2,05	3,50	4,00	0,30	1,00	1,78	1,33	4,44	7,90	3,50	6.10	A++
	20+20	2,05	2,05			2,05	4,10	5,00	0,40	1,10	2,20	1,77	4,88	9,76	3,73	6.50	A++
	20+25	1,79	2,31			2,05	4,10	5,00	0,40	1,10	2,20	1,77	4,88	9,76	3,73	6.50	A++
	20+35	1,51	2,59			2,05	4,10	5,00	0,40	1,10	2,20	1,77	4,88	9,76	3,73	6.50	A++
	25+25	2,05	2,05			2,05	4,10	5,00	0,40	1,10	2,20	1,77	4,88	9,76	3,73	6.50	A++
	25+35	1,76	2,34			2,05	4,10	5,00	0,40	1,10	2,20	1,77	4,88	9,76	3,73	6.50	A++
TAD-2MUL-53IT	25	2,60				2,15	2,60	3,00	0,30	0,70	1,50	1,33	3,11	6,65	3,71	6.10	A++
	35	3,50				2,15	3,50	3,80	0,30	1,20	1,80	1,33	5,32	7,99	**2,92**	6.10	A++
	20+20	2,20	2,20			2,15	4,40	5,00	0,40	1,40	2,00	1,77	6,21	8,87	**3,14**	6.60	A++
	20+25	2,20	2,60			2,15	4,80	5,20	0,40	1,44	2,00	1,77	6,39	8,87	3,33	6.60	A++
	20+35	1,95	3,35			2,15	5,30	5.80	0,40	1,48	2,50	1,77	6,57	11,09	3,58	6.60	A++
	25+25	2,60	2,60			2,15	5,20	5.80	0,40	1,48	2,50	1,77	6,57	11,09	3,51	6.60	A++
	25+35	2,27	3,03			2,15	5,30	5.80	0,50	1,48	2,50	2,22	6,57	11,09	3,58	6.60	A++
	35+35	2,65	2,65			2,15	5,30	5.80	0,50	1,48	2,50	2,22	6,57	11,09	3,58	6.60	A++
TAD-3MUL-61IT	20+20	2,20	2,20			2.20	4,40	5,40	0,40	0,90	2,00	1,77	3,99	8,87	4,89	6.10	A++
	20+25	2,20	2,60			2.20	4,80	5,60	0,40	1,00	2,40	1,77	4,44	10,65	4,80	6.10	A++
	20+35	2,20	3,50			2.20	5,70	6,20	0,40	1,20	2,60	1,77	5,32	11,54	4,75	6.10	A++
	20+50	1,71	4,39			2.20	6,10	8,30	0,50	1,48	2,90	2,22	6,57	12,87	4,12	6.10	A++
	25+25	2,60	2,60			2.20	5,20	6,00	0,40	1,20	2,60	1,77	5,32	11,54	4,33	6.10	A++
	25+35	2,60	3,50			2.20	6,10	7,20	0,50	1,48	2,90	2,22	6,57	12,87	4,12	6.10	A++
	25+50	2,03	4,07			2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.10	A++
	35+35	3,05	3,05			2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.10	A++
	35+50	2,44	3,66			2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.10	A++
	20+20+20	2,03	2,03	2,03		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
	20+20+25	1,86	1,86	2,39		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
	20+20+35	1,64	1,64	2,82		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
	20+25+25	1,71	2,20	2,20		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
	20+25+35	1,53	1,96	2,61		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
	20+35+35	1,38	2,36	2,36		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
	25+25+25	2,03	2,03	2,03		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
	25+25+35	1,83	1,83	2,44		2.20	6,10	8,30	0,60	1,48	2,90	2,66	6,57	12,87	4,12	6.50	A++
TAD-3MUL-71IT	20+20	2,20	2,20			2,30	4,40	5,40	0,60	1,10	2,60	2,66	4,87	11,54	4,01	6.10	A++
	20+25	2,20	2,60			2,30	4,80	5,60	0,60	1,25	2,80	2,66	5,56	12,42	3,83	6.10	A++
	20+35	2,20	3,50			2,30	5,70	6,30	0,80	1,50	3,00	3,55	6,65	13,31	3,80	6.10	A++
	20+50	1,99	5,11			2,30	7,1	8,50	1,00	1,88	3,40	4,44	8,34	15,08	3,78	6.10	A++
	25+25	2,65	2,65			2,30	5,3	6,30	0,80	1,40	3,00	3,55	6,21	13,31	3,79	6.10	A++
	25+35	2,60	3,50			2,30	6,10	7,30	1,00	1,65	3,20	4,44	7,30	14,20	3,71	6.10	A++
	25+50	2,37	4,73			2,30	7,10	8,50	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.10	A++
	35+35	3,55	3,55			2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.10	A++
	35+50	2,84	4,26			2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.10	A++
	50+50	3,55	3,55			2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.10	A++
	20+20+20	2,20	2,20	2,20		2,30	6,60	9,20	1,10	1,65	3,20	4,88	7,30	14,20	4,01	6.50	A++
	20+20+25	2,20	2,20	2,60		2,30	7,00	9,20	1,10	1,80	3,40	4,88	7,99	15,08	3,89	6.50	A++
	20+20+35	1,91	1,91	3,28		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	20+20+50	1,55	1,55	3,99		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	20+25+25	1,99	2,56	2,56		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	20+25+35	1,78	2,28	3,04		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	20+25+50	1,46	1,88	3,76		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	20+35+35	1,60	2,75	2,75		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	25+25+25	2,37	2,37	2,37		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	25+25+35	2,13	2,13	2,84		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	25+25+50	1,78	1,78	3,55		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	25+35+35	1,94	2,58	2,58		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++
	35+35+35	2,37	2,37	2,37		2,30	7,10	9,20	1,10	1,88	3,40	4,88	8,34	15,08	3,78	6.50	A++

(*) Combinations with the EER value in blue do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

HEATING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated heating total (kW)			Total power input (kW)			Total current draw (A) 230V			COP (W/W)*	SCOP (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-2MUL-41IT	20	2,60				2,49	2,60	2,81	0,30	0,80	1,80	1,33	3,55	7,99	3,25	4,00	A+
	25	2,80				2,49	2,80	3,02	0,30	0,80	1,80	1,33	3,55	7,99	3,50	4,00	A+
	35	3,80				2,49	3,80	4,10	0,40	0,80	2,00	1,77	3,55	8,87	4,75	4,00	A+
	20+20	2,20	2,20			2,50	4,40	5,40	0,60	0,97	2,25	2,66	4,30	9,98	4,54	4,00	A+
	20+25	1,93	2,48			2,50	4,40	5,40	0,60	0,97	2,25	2,66	4,30	9,98	4,54	4,00	A+
	20+35	1,62	2,78			2,50	4,40	5,40	0,60	0,97	2,25	2,66	4,30	9,98	4,54	4,00	A+
	25+25	2,20	2,20			2,50	4,40	5,40	0,60	0,97	2,25	2,66	4,30	9,98	4,54	4,00	A+
	25+35	1,89	2,51			2,50	4,40	5,40	0,60	0,97	2,25	2,66	4,30	9,98	4,54	4,00	A+
TAD-2MUL-53IT	25	2,80				2,58	2,80	3,02	0,40	0,80	1,80	1,77	3,55	7,99	3,50	4,00	A+
	35	3,80				2,58	3,80	4,10	0,40	0,80	2,00	1,77	3,55	8,87	4,75	4,00	A+
	20+20	2,60	2,60			2,58	5,20	5,80	0,50	1,00	2,20	2,22	4,44	9,76	5,20	4,00	A+
	20+25	2,60	2,80			2,58	5,40	6,10	0,60	1,10	2,20	2,66	4,88	9,76	4,91	4,00	A+
	20+35	2,08	3,57			2,58	5,65	6.50	0,70	1,25	2,50	3,11	5,55	11,09	4,52	4,00	A+
	25+25	2,80	2,80			2,58	5,60	6.50	0,70	1,25	2,50	3,11	5,55	11,09	4,48	4,00	A+
	25+35	2,42	3,23			2,58	5,65	6.50	0,70	1,25	2,50	3,11	5,55	11,09	4,52	4,00	A+
	35+35	2,83	2,83			2,58	5,65	6.50	0,70	1,25	2,50	3,11	5,55	11,09	4,52	4,00	A+
TAD-3MUL-61IT	20+20	2,60	2,60			2.70	5,20	6.50	0,40	0,95	2,20	1,77	4,23	9,76	5,45	4,00	A+
	20+25	2,60	2,80			2.70	5,40	7.00	0,40	1,09	2,20	1,77	4,83	9,76	4,96	4,00	A+
	20+35	2,60	3,80			2.70	6,40	8.00	0,60	1,29	2,50	2,66	5,74	11,09	4,95	4,00	A+
	20+50	1,82	4,68			2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	25+25	2,80	2,80			2.70	5,60	8.50	0,60	1,23	2,50	2,66	5,44	11,09	4,57	4,00	A+
	25+35	2,79	3,71			2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	25+50	2,17	4,33			2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	35+35	3,25	3,25			2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	35+50	2,60	3,90			2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	20+20+20	2,17	2,17	2,17		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	20+20+25	1,98	1,98	2,54		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	20+20+35	1,75	1,75	3,00		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	20+25+25	1,82	2,34	2,34		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	20+25+35	1,63	2,09	2,79		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	20+35+35	1,47	2,52	2,52		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	25+25+25	2,17	2,17	2,17		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
	25+25+35	1,95	1,95	2,60		2.70	6,50	8.50	0,80	1,43	2,90	3,55	6,34	12,87	4,55	4,00	A+
TAD-3MUL-71IT	20+20	2,60	2,60			2.80	5,20	8,80	0,60	1,30	2,00	2,66	5,77	8,87	4,00	3,80	A
	20+25	2,60	2,80			2.80	5,40	8,80	0,60	1,49	2,00	2,66	6,60	8,87	3,63	3,80	A
	20+35	2,60	3,80			2.80	6,40	8,80	0,60	1,77	2,40	2,66	7,83	10,65	3,63	3,80	A
	20+50	2,60	5,60			2.80	8,20	8,80	0,80	2,23	3,00	3,55	9,89	13,31	3,68	3,80	A
	25+25	2,80	2,80			2.80	5,60	8,80	0,60	1,67	2,40	2,66	7,42	10,65	3,35	3,80	A
	25+35	2,80	3,80			2.80	6,60	8,80	0,60	1,95	2,60	2,66	8,66	11,54	3,38	3,80	A
	25+50	2,80	5,60			2.80	8,40	8,80	0,80	2,23	3,00	3,55	9,89	13,31	3,77	3,80	A
	35+35	3,80	3,80			2.80	7,60	8,80	0,80	2,23	3,00	3,55	9,89	13,31	3,41	3,80	A
	35+50	3,44	5,16			2.80	8,60	8,80	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,80	A
	50+50	4,30	4,30			2.80	8,60	8,80	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,80	A
	20+20+20	2,60	2,60	2,60		2.80	7,80	9,20	0,80	1,95	2,60	3,55	8,66	11,54	4,00	3,90	A
	20+20+25	2,60	2,60	2,80		2.80	8,00	9,20	0,80	2,14	2,80	3,55	9,48	12,42	3,74	3,90	A
	20+20+35	2,40	2,40	3,80		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	20+20+50	1,88	1,88	4,84		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	20+25+25	2,60	2,80	2,80		2.80	8,20	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,68	3,90	A
	20+25+35	2,15	2,76	3,69		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	20+25+50	1,77	2,28	4,55		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	20+35+35	1,94	3,33	3,33		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	25+25+25	2,80	2,80	2,80		2.80	8,40	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,77	3,90	A
	25+25+35	2,58	2,58	3,44		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	25+25+50	2,15	2,15	4,30		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	25+35+35	2,35	3,13	3,13		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A
	35+35+35	2,87	2,87	2,87		2.80	8,60	9,20	0,80	2,23	3,00	3,55	9,89	13,31	3,86	3,90	A

(*) Combinations with the COP value in orange do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

Multi Star Systems Combinations

COOLING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated cooling total (kW)			Total power input (kW)			Total current draw (A) 230V			EER (W/W)*	SEER (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-4MUL-80IT	20+20	2,20	2,20			2,30	4,40	5,40	0,80	1,10	2,40	3,55	4,88	10,65	4,00	6.10	A++
	20+25	2,20	2,60			2,30	4,80	5,60	0,80	1,20	2,60	3,55	5,32	11,54	4,00	6.10	A++
	20+35	2,20	3,50			2,30	5,70	6,30	0,80	1,44	2,60	3,55	6,38	11,54	3,96	6.10	A++
	20+50	2,20	5,25			2,30	7,45	8,50	1,00	1,90	3,00	4,44	8,43	13,31	3,92	6.10	A++
	25+25	2,60	2,60			2,30	5,20	6,30	0,80	1,40	2,60	3,55	6,21	11,54	3,71	6.10	A++
	25+35	2,60	3,50			2,30	6,10	7,30	0,80	1,60	2,80	3,55	7,10	12,42	3,81	6.10	A++
	25+50	2,60	5,25			2,30	7,85	8,50	1,20	2,00	2,80	5,32	8,87	12,42	3,93	6.10	A++
	35+35	3,50	3,50			2,30	7,00	9,20	1,20	1,80	2,80	5,32	7,99	12,42	3,89	6.10	A++
	35+50	3,20	4,80			2,30	8,00	10,00	1,20	2,12	3,40	5,32	9,41	15,08	3,77	6.10	A++
	50+50	4,00	4,00			2,30	8,00	11,00	1,20	2,12	3,60	5,32	9,41	15,97	3,77	6.10	A++
	20+20+20	2,20	2,20	2,20		2,30	6,60	9,20	1,20	1,60	2,80	5,32	7,10	12,42	4,13	6.30	A++
	20+20+25	2,20	2,20	2,60		2,30	7,00	9,50	1,20	1,75	2,80	5,32	7,76	12,42	4,00	6.30	A++
	20+20+35	2,20	2,20	3,50		2,30	7,90	9,60	1,20	2,00	3,00	5,32	8,87	13,31	3,95	6.30	A++
	20+20+50	1,75	1,75	4,50		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	20+25+25	2,20	2,60	2,60		2,30	7,40	9,50	1,30	1,90	3,00	5,77	8,43	13,31	3,89	6.30	A++
	20+25+35	2,00	2,57	3,43		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	20+25+50	1,65	2,12	4,24		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	20+35+35	1,81	3,10	3,10		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	20+35+50	1,51	2,59	3,89		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	25+25+25	2,60	2,60	2,60		2,30	7,80	10,00	1,30	2,00	3,40	5,77	8,87	15,08	3,90	6.30	A++
	25+25+35	2,40	2,40	3,20		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	25+25+50	2,00	2,00	4,00		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	25+35+35	2,18	2,91	2,91		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	25+35+50	1,85	2,46	3,69		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	35+35+35	2,67	2,67	2,67		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	35+35+50	2,29	2,29	3,43		2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.30	A++
	20+20+20+20	2,00	2,00	2,00	2,00	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+20+20+25	1,87	1,87	1,87	2,40	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+20+20+35	1,70	1,70	1,70	2,91	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+20+20+50	1,44	1,44	1,44	3,69	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+20+25+25	1,75	1,75	2,25	2,25	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+20+25+35	1,60	1,60	2,06	2,74	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+20+25+50	1,37	1,37	1,76	3,51	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+20+35+35	1,47	1,47	2,53	2,53	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+25+25+25	1,65	2,12	2,12	2,12	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+25+25+35	1,51	1,95	1,95	2,59	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	20+25+35+35	1,40	1,80	2,40	2,40	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	25+25+25+25	2,00	2,00	2,00	2,00	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	25+25+25+35	1,85	1,85	1,85	2,46	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++
	25+25+35+35	1,71	1,71	2,29	2,29	2,30	8,00	11,00	1,30	2,12	3,60	5,77	9,41	15,97	3,77	6.60	A++

(*) Combinations with the EER value in blue do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

HEATING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated heating total (kW)			Total power input (kW)			Total current draw (A) 230V			COP (W/W)*	SCOP (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-4MUL-80IT	20+20	2,60	2,60			2.80	5,20	10,00	0,70	1,10	2,50	3,11	4,88	11,09	4,73	4,00	A+
	20+25	2,60	2,80			2.80	5,40	10,00	0,70	1,26	2,50	3,11	5,58	11,09	4,30	4,00	A+
	20+35	2,60	3,80			2.80	6,40	10,00	0,70	1,49	2,50	3,11	6,62	11,09	4,29	4,00	A+
	20+50	2,60	5,60			2.80	8,20	10,25	0,90	1,96	3,00	3,99	8,71	13,31	4,17	4,00	A+
	25+25	2,80	2,80			2.80	5,60	10,00	0,70	1,41	2,50	3,11	6,27	11,09	3,96	4,00	A+
	25+35	2,80	3,80			2.80	6,60	10,25	0,70	1,65	2,60	3,11	7,32	11,54	4,00	4,00	A+
	25+50	2,80	5,60			2.80	8,40	10,25	1,00	2,12	3,40	4,44	9,41	15,08	3,96	4,00	A+
	35+35	3,80	3,80			2.80	7,60	10,25	0,90	1,89	2,80	3,99	8,37	12,42	4,03	4,00	A+
	35+50	3,80	5,60			2.80	9,40	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,27	4,00	A+
	50+50	4,75	4,75			2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+20	2,60	2,60	2,60		2.80	7,80	10,25	0,70	1,65	2,60	3,11	7,32	11,54	4,73	4,00	A+
	20+20+25	2,60	2,60	2,80		2.80	8,00	10,25	0,90	1,81	2,80	3,99	8,02	12,42	4,43	4,00	A+
	20+20+35	2,60	2,60	3,80		2.80	9,00	10,25	0,90	2,04	3,00	3,99	9,06	13,31	4,41	4,00	A+
	20+20+50	2,08	2,08	5,34		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+25+25	2,60	2,80	2,80		2.80	8,20	10,25	0,90	1,96	3,00	3,99	8,71	13,31	4,17	4,00	A+
	20+25+35	2,60	2,80	3,80		2.80	9,20	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,18	4,00	A+
	20+25+50	1,96	2,51	5,03		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+35+35	2,15	3,68	3,68		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+35+50	1,80	3,08	4,62		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	25+25+25	2,80	2,80	2,80		2.80	8,40	10,25	1,00	2,12	3,40	4,44	9,41	15,08	3,96	4,00	A+
	25+25+35	2,80	2,80	3,80		2.80	9,40	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,27	4,00	A+
	25+25+50	2,38	2,38	4,75		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	25+35+35	2,59	3,45	3,45		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	25+35+50	2,19	2,92	4,38		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	35+35+35	3,17	3,17	3,17		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	35+35+50	2,71	2,71	4,07		2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+20+20	2,38	2,38	2,38	2,38	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+20+25	2,23	2,23	2,23	2,80	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+20+35	2,02	2,02	2,02	3,45	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+20+50	1,71	1,71	1,71	4,38	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+25+25	2,08	2,08	2,67	2,67	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+25+35	1,90	1,90	2,44	3,26	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+25+50	1,62	1,62	2,09	4,17	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+20+35+35	1,75	1,75	3,00	3,00	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+25+25+25	1,96	2,51	2,51	2,51	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+25+25+35	1,80	2,31	2,31	3,08	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	20+25+35+35	1,66	2,14	2,85	2,85	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	25+25+25+25	2,38	2,38	2,38	2,38	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	25+25+25+35	2,19	2,19	2,19	2,92	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+
	25+25+35+35	2,04	2,04	2,71	2,71	2.80	9,50	10,25	1,00	2,20	3,60	4,44	9,76	15,97	4,32	4,00	A+

(*) Combinations with the COP value in orange do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

Multi Star Systems Combinations

COOLING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated cooling total (kW)			Total power input (kW)			Total current draw (A) 230V			EER (W/W)*	SEER (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-4MUL-106IT	20+35	2,20	3,50			2,60	5,70	6,33	1,60	2,00	3,50	7,10	10,64	15,52	**2,85**	6.10	A++
	20+50	2,20	5,25			2,60	7,45	8,50	1,60	2,40	3,50	7,10	10,64	15,52	**3,10**	6.10	A++
	20+70	2,20	7,10			2,60	9,30	10,33	1,60	2,40	3,50	7,10	10,64	15,52	3,88	6.10	A++
	25+25	2,60	2,60			2,60	5,20	6,50	1,60	1,90	3,50	7,10	10,64	15,52	**2,74**	6.10	A++
	25+35	2,60	3,50			2,60	6,10	7,50	1,60	2,30	3,50	7,10	10,64	15,52	**2,65**	6.10	A++
	25+50	2,60	5,25			2,60	7,85	9,00	1,60	2,40	3,50	7,10	10,64	15,52	3,27	6.10	A++
	25+70	2,60	7,10			2,60	9,70	11,00	1,60	2,60	3,60	7,10	11,53	15,97	3,73	6.10	A++
	35+35	3,50	3,50			2,60	7,00	9,20	1,60	2,40	3,50	7,10	10,64	15,52	**2,92**	6.10	A++
	35+50	3,50	5,25			2,60	8,75	10,00	1,60	2,40	3,50	7,10	10,64	15,52	3,65	6.10	A++
	35+70	3,50	7,10			2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	50+50	5,25	5,25			2,60	10,50	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,50	6.10	A++
	50+70	4,54	6,06			2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	70+70	5,30	5,30			2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+20	2,20	2,20	2,20		2,60	6,60	9,20	1,60	2,30	3,50	7,10	10,64	15,52	**2,87**	6.10	A++
	20+20+25	2,20	2,20	2,60		2,60	7,00	9,50	1,60	2,40	3,50	7,10	10,64	15,52	**2,92**	6.10	A++
	20+20+35	2,20	2,20	3,50		2,60	7,90	9,60	1,60	2,40	3,50	7,10	10,64	15,52	3,29	6.10	A++
	20+20+50	2,20	2,20	5,25		2,60	9,65	11,00	1,60	2,80	4,60	7,10	12,42	20,41	3,45	6.10	A++
	20+20+70	1,95	1,95	6,69		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+25	2,20	2,60	2,60		2,60	7,40	9,50	1,60	2,40	3,50	7,10	10,64	15,52	**3,08**	6.10	A++
	20+25+35	2,20	2,60	3,50		2,60	8,30	11,00	1,60	2,40	3,50	7,10	10,64	15,52	3,46	6.10	A++
	20+25+50	2,20	2,60	5,25		2,60	10,05	11,33	1,60	3,00	4,60	7,10	13,30	20,41	3,35	6.10	A++
	20+25+70	1,86	2,39	6,36		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+35+35	2,20	3,50	3,50		2,60	9,20	11,00	1,60	2,40	3,50	7,10	10,64	15,52	3,83	6.10	A++
	20+35+50	2,01	3,44	5,16		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+35+70	1,73	2,96	5,92		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+50+50	1,73	4,44	4,44		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+50+70	1,51	3,89	5,19		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+25	2,60	2,60	2,60		2,60	7,80	10,00	1,60	2,40	3,50	7,10	10,64	15,52	3,25	6.10	A++
	25+25+35	2,60	2,60	3,50		2,60	8,70	11,00	1,60	2,60	3,60	7,10	11,53	15,97	3,35	6.10	A++
	25+25+50	2,60	2,60	5,25		2,60	10,45	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,48	6.10	A++
	25+25+70	2,27	2,27	6,06		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+35+35	2,60	3,50	3,50		2,60	9,60	11,00	1,60	3,00	4,60	7,10	13,30	20,41	3,20	6.10	A++
	25+35+50	2,45	3,26	4,89		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+35+70	2,12	2,83	5,65		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+50+50	2,12	4,24	4,24		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+50+70	1,87	3,74	4,99		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	35+35+35	3,50	3,50	3,50		2,60	10,50	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,50	6.10	A++
	35+35+50	3,03	3,03	4,54		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	35+35+70	2,65	2,65	5,30		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	35+50+50	2,65	3,98	3,98		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	35+50+70	2,36	3,53	4,71		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	50+50+50	3,53	3,53	3,53		2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++

(*) Combinations with the EER value in blue do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

HEATING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated heating total (kW)			Total power input (kW)			Total current draw (A) 230V			COP (W/W)*	SCOP (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-4MUL-106IT	20+35	2,60	3,80			3,00	6,40	7,38	1,61	2,20	3,60	7,13	14,20	17,75	2,91	3,80	A
	20+50	2,60	5,60			3,00	8,20	9,72	1,61	2,60	4,00	7,13	14,20	17,75	3,15	3,80	A
	20+70	2,60	8,20			3,00	10,80	12,05	1,61	2,90	4,80	7,13	14,20	17,75	3,72	3,80	A
	25+25	2,80	2,80			3,00	5,60	7,00	1,61	1,90	3,60	7,13	14,20	17,75	2,95	3,80	A
	25+35	2,80	3,80			3,00	6,60	8,16	1,61	2,30	3,80	7,13	14,20	17,75	2,87	3,80	A
	25+50	2,80	5,60			3,00	8,40	10,50	1,61	2,80	4,20	7,13	14,20	17,75	3,00	3,80	A
	25+70	2,80	8,20			3,00	11,00	12,83	1,61	3,04	5,00	7,13	14,20	17,75	3,62	3,80	A
	35+35	3,80	3,80			3,00	7,60	9,33	1,61	2,60	4,00	7,13	14,20	17,75	2,92	3,80	A
	35+50	3,80	5,60			3,00	9,40	11,66	1,61	2,90	4,80	7,13	14,20	17,75	3,24	3,80	A
	35+70	3,80	8,20			3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	50+50	5,60	5,60			3,00	11,20	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,68	3,80	A
	50+70	5,14	6,86			3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	70+70	6,00	6,00			3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+20	2,60	2,60	2,60		3,00	7,80	8,16	1,61	2,40	3,60	7,13	14,20	17,75	3,25	3,80	A
	20+20+25	2,60	2,60	2,80		3,00	8,00	8,94	1,61	2,60	4,00	7,13	14,20	17,75	3,08	3,80	A
	20+20+35	2,60	2,60	3,80		3,00	9,00	10,11	1,61	2,80	4,20	7,13	14,20	17,75	3,21	3,80	A
	20+20+50	2,60	2,60	5,60		3,00	10,80	12,44	1,61	2,90	4,80	7,13	14,20	17,75	3,72	3,80	A
	20+20+70	2,21	2,21	7,58		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+25	2,60	2,80	2,80		3,00	8,20	9,72	1,61	2,80	4,20	7,13	14,20	17,75	2,93	3,80	A
	20+25+35	2,60	2,80	3,80		3,00	9,20	10,88	1,61	2,90	4,80	7,13	14,20	17,75	3,17	3,80	A
	20+25+50	2,60	2,80	5,60		3,00	11,00	13,22	1,61	3,04	5,00	7,13	14,20	17,75	3,62	3,80	A
	20+25+70	2,12	2,72	7,26		3,00	12,10	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,98	3,80	A
	20+35+35	2,60	3,80	3,80		3,00	10,20	12,05	1,61	2,90	4,80	7,13	14,20	17,75	3,52	3,80	A
	20+35+50	2,60	3,80	5,60		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+35+70	1,95	3,35	6,70		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+50+50	1,95	5,02	5,02		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+50+70	1,71	4,41	5,88		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+25	2,80	2,80	2,80		3,00	8,40	10,50	1,61	2,80	4,20	7,13	14,20	17,75	3,00	3,80	A
	25+25+35	2,80	2,80	3,80		3,00	9,40	11,66	1,61	2,90	4,80	7,13	14,20	17,75	3,24	3,80	A
	25+25+50	2,80	2,80	5,60		3,00	11,20	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,68	3,80	A
	25+25+70	2,57	2,57	6,86		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+35+35	2,80	3,80	3,80		3,00	10,40	12,83	1,61	3,04	5,00	7,13	14,20	17,75	3,42	3,80	A
	25+35+50	2,77	3,69	5,54		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+35+70	2,40	3,20	6,40		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+50+50	2,40	4,80	4,80		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+50+70	2,12	4,24	5,65		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	35+35+35	3,80	3,80	3,80		3,00	11,40	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,75	3,80	A
	35+35+50	3,43	3,43	5,14		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	35+35+70	3,00	3,00	6,00		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	35+50+50	3,00	4,50	4,50		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	35+50+70	2,67	4,00	5,33		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	50+50+50	4,00	4,00	4,00		3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A

(*) Combinations with the COP value in orange do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

Multi Star Systems Combinations

COOLING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated cooling total (kW)			Total power input (kW)			Total current draw (A) 230V			EER (W/W)*	SEER (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-4MUL-106IT	20+20+20+20	2,20	2,20	2,20	2,20	2,60	8,80	11,00	1,60	2,40	3,50	7,10	10,64	15,52	3,67	6.10	A++
	20+20+20+25	2,20	2,20	2,20	2,60	2,60	9,20	11,00	1,60	2,60	3,60	7,10	11,53	15,97	3,54	6.10	A++
	20+20+20+35	2,20	2,20	2,20	3,50	2,60	10,10	11,00	1,60	3,00	4,60	7,10	13,30	20,41	3,37	6.10	A++
	20+20+20+50	1,90	1,90	1,90	4,89	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+20+70	1,65	1,65	1,65	5,65	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+25+25	2,20	2,20	2,60	2,60	2,60	9,60	11,00	1,60	3,00	4,60	7,10	13,30	20,41	**3,20**	6.10	A++
	20+20+25+35	2,20	2,20	2,60	3,50	2,60	10,50	11,66	1,60	3,00	4,60	7,10	13,30	20,41	**3,50**	6.10	A++
	20+20+25+50	1,81	1,81	2,33	4,65	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+25+70	1,58	1,58	2,03	5,41	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+35+35	1,95	1,95	3,35	3,35	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+35+50	1,69	1,69	2,89	4,34	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+35+70	1,48	1,48	2,54	5,09	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+20+50+50	1,48	1,48	3,82	3,82	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+25+25	2,20	2,60	2,60	2,60	2,60	10,00	11,33	1,60	3,00	4,60	7,10	13,30	20,41	3,33	6.10	A++
	20+25+25+35	2,01	2,58	2,58	3,44	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+25+50	1,73	2,22	2,22	4,44	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+25+70	1,51	1,95	1,95	5,19	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+35+35	1,86	2,39	3,18	3,18	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+35+50	1,61	2,07	2,77	4,15	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+35+70	1,43	1,83	2,45	4,89	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+25+50+50	1,43	1,83	3,67	3,67	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+35+35+35	1,73	2,96	2,96	2,96	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	20+35+35+50	1,51	2,60	2,60	3,89	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+25+25	2,60	2,60	2,60	2,60	2,60	10,40	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,47	6.10	A++
	25+25+25+35	2,45	2,45	2,45	3,26	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+25+50	2,12	2,12	2,12	4,24	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+25+70	1,87	1,87	1,87	4,99	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+35+35	2,27	2,27	3,03	3,03	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+35+50	1,99	1,99	2,65	3,98	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+35+70	1,77	1,77	2,36	4,71	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+25+50+50	1,77	1,77	3,53	3,53	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+35+35+35	2,12	2,83	2,83	2,83	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	25+35+35+50	1,87	2,49	2,49	3,74	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	35+35+35+35	2,65	2,65	2,65	2,65	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++
	35+35+35+50	2,36	2,36	2,36	3,53	2,60	10,60	12,00	1,60	3,00	4,60	7,10	13,30	20,41	3,53	6.10	A++

(*) Combinations with the EER value in blue do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

HEATING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated heating total (kW)			Total power input (kW)			Total current draw (A) 230V			COP (W/W)*	SCOP (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-4MUL-106IT	20+20+20+20	2,60	2,60	2,60	2,60	3,00	10,40	10,88	1,61	2,80	4,20	7,13	14,20	17,75	3,71	3,80	A
	20+20+20+25	2,60	2,60	2,60	2,80	3,00	10,60	11,66	1,61	2,90	4,80	7,13	14,20	17,75	3,66	3,80	A
	20+20+20+35	2,60	2,60	2,60	3,80	3,00	11,60	12,83	1,61	3,00	5,00	7,13	14,20	17,75	3,87	3,80	A
	20+20+20+50	2,15	2,15	2,15	5,54	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+20+70	1,87	1,87	1,87	6,40	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+25+25	2,60	2,60	2,80	2,80	3,00	10,80	12,44	1,61	2,90	4,80	7,13	14,20	17,75	3,72	3,80	A
	20+20+25+35	2,60	2,60	2,80	3,80	3,00	11,80	13,61	1,61	3,04	5,00	7,13	14,20	17,75	3,88	3,80	A
	20+20+25+50	2,05	2,05	2,63	5,27	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+25+70	1,79	1,79	2,30	6,13	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+35+35	2,21	2,21	3,79	3,79	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+35+50	1,91	1,91	3,27	4,91	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+35+70	1,68	1,68	2,88	5,76	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+20+50+50	1,68	1,68	4,32	4,32	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+25+25	2,60	2,80	2,80	2,80	3,00	11,00	13,22	1,61	3,04	5,00	7,13	14,20	17,75	3,62	3,80	A
	20+25+25+35	2,60	2,80	2,80	3,80	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+25+50	1,95	2,51	2,51	5,02	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+25+70	1,71	2,20	2,20	5,88	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+35+35	2,10	2,70	3,60	3,60	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+35+50	1,83	2,35	3,13	4,70	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+35+70	1,62	2,08	2,77	5,54	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+25+50+50	1,62	2,08	4,15	4,15	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+35+35+35	1,95	3,35	3,35	3,35	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	20+35+35+50	1,71	2,94	2,94	4,41	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+25+25	2,80	2,80	2,80	2,80	3,00	11,20	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,68	3,80	A
	25+25+25+35	2,77	2,77	2,77	3,69	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+25+50	2,40	2,40	2,40	4,80	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+25+70	2,12	2,12	2,12	5,65	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+35+35	2,57	2,57	3,43	3,43	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+35+50	2,25	2,25	3,00	4,50	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+35+70	2,00	2,00	2,67	5,33	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+25+50+50	2,00	2,00	4,00	4,00	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+35+35+35	2,40	3,20	3,20	3,20	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	25+35+35+50	2,12	2,82	2,82	4,24	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	35+35+35+35	3,00	3,00	3,00	3,00	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A
	35+35+35+50	2,67	2,67	2,67	4,00	3,00	12,00	14,00	1,61	3,04	5,00	7,13	14,20	17,75	3,95	3,80	A

(*) Combinations with the COP value in orange do not qualify for TAX DEDUCTIONS. In any case, refer to the manufacturer's self-certification.

OUTDOOR UNIT AND DHW TANK





OUTDOOR UNIT

TAD-ACWHODU-10IT

DHW TANK

TAD-ACWHIDU-200IT



INDOOR UNITS

MULTI STAR DHW SYSTEMS

Tadiran completes the multi range with an outdoor unit delivering 10.6 kW in cooling and 12.0 kW in heating, connectable to 3 indoor units - wall-mounted, console, ducted or cassette - plus a 185-litre storage tank, covering every need of a first or second home. Thanks to the MY TADIRAN APP you can schedule start-up and hot water storage for maximum comfort and energy efficiency.



VEGA



POLARIS



CONSOLE

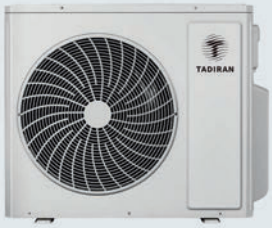


4-WAY CASSETTE



DUCTED

THE RANGE



OUTDOOR UNIT
Quad 106 kW

+



DHW TANK
185 litres



Wi-Fi CONTROLLER
TAD-ACWH-CONIT
(OPTIONAL)



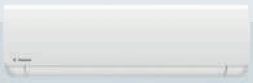
VEGA
20/25/35/50/70

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





POLARIS
25/35/50/70

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





CONSOLE
25/35/50

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





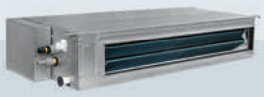
4-WAY CASSETTE
25/35

REMOTE CONTROL (STANDARD)



WIRED
TAD-SMUL-WCIT
(OPTIONAL)





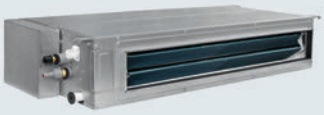
DUCTED
25/35/50

WIRED (STANDARD)





CENTRALIZED CONTROLLER
TAD-MUL-CCIT
(OPTIONAL)

MODEL		CONTROLLERS	COOLING CAPACITY				
			20	25	35	50	70
VEGA			●	●	●	●	●
POLARIS				●	●	●	●
CONSOLE				●	●	●	
4-WAY CASSETTE				●	●		
DUCTED				●	●	●	

REDUCING ADAPTERS SUPPLIED WITH THE OUTDOOR UNITS

For indoor units whose gas pipe diameter differs from 9.52 mm (3/8″), the reducing adapters supplied with the outdoor units must be used, as per the table below:

Model	Standard liquid pipe		Standard gas pipe		Adapters supplied in the outdoor unit packaging					
	Size	Quantity	Size	Quantity	Size	Quantity	Size	Quantity	Size	Quantity
TAD-4MUL-106IT	ƒ 6.35	4	ƒ 9.52	4	ƒ 6.35 (1/4″) ↦ ƒ 9.52 (3/8″)	0	ƒ 9.52 (3/8″) ↦ ƒ 12.7 (1/2″)	3	ƒ 9.52 (3/8″) ↦ ƒ 15.9 (5/8″)	2

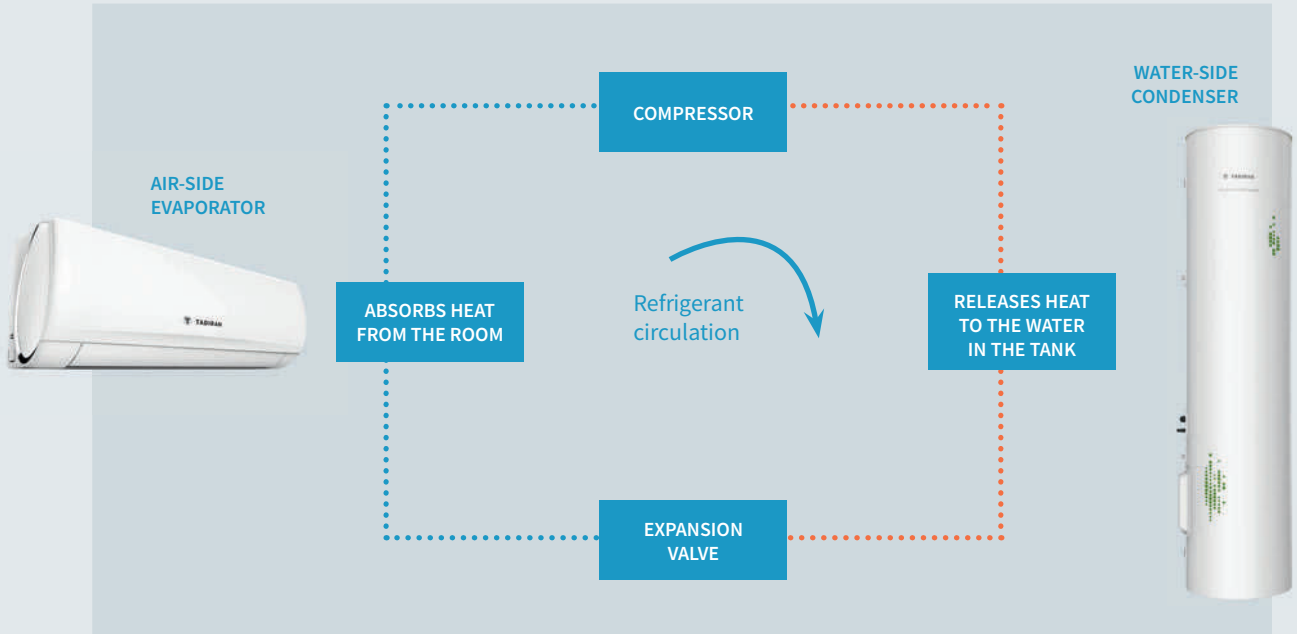


HEAT RECOVERY

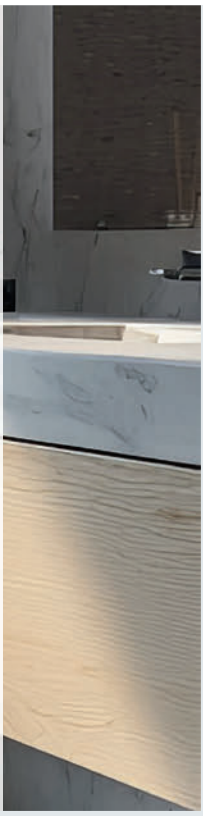
ENERGY SAVING

The outdoor unit features a dedicated refrigerant outlet for the DHW tank enabling heat recovery while the system runs in cooling + DHW mode. Besides the energy savings, this also allows simultaneous room cooling and water heating.









OPERATION AT LOW OUTDOOR TEMPERATURES

Cooling
- 15 °C ⟷ 43 °C

Heating
- 22 °C ⟷ 24 °C

DHW
- 22 °C ⟷ 43 °C

CONNECTIVITY

	TAD-ACWHODU-10IT	
	WITH TANK 	WITHOUT TANK 
1 indoor unit	25	-
	35	-
	50	-
	70	-
2 indoor units	25+25	25+25
	25+35	25+35
	25+50	25+50
	25+70	25+70
	35+35	35+35
	35+50	35+50
	35+70	35+70
	50+50	50+50
	-	50+70
	-	70+70
3 indoor units	25+25+25	25+25+25
	25+25+35	25+25+35
	25+35+35	25+35+35
	25+25+50	25+25+50
	35+35+35	35+35+35
	-	25+25+70
	-	25+35+50
	-	25+35+70
	-	25+50+50
	-	25+50+70
	-	35+35+50
	-	35+35+70
	-	35+50+50
	-	35+50+70
	-	50+50+50
	-	-
	-	-



OUTDOOR UNIT

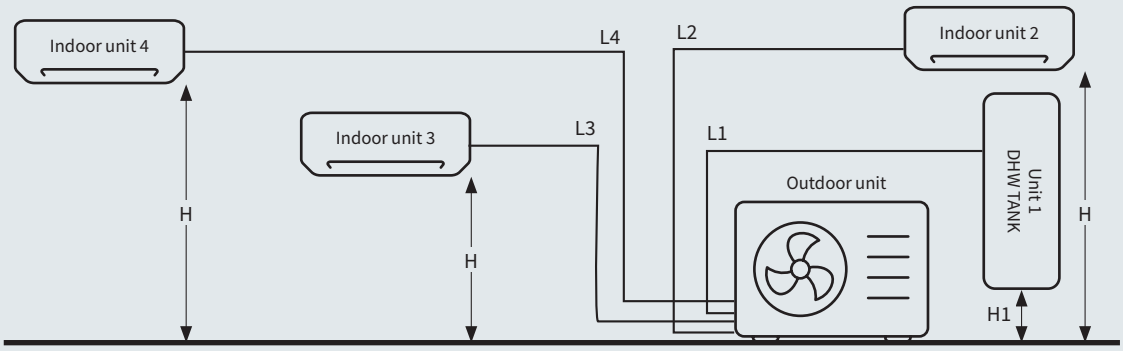


Description	Unit	TAD-ACWHODU-10IT	
		Condizionamento	Riscaldamento
Power supply	V/Ph/Hz	220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	10,60 (2,60-12,00)	12,00 (3,00-14,00)
Power input nom. (min.-max.)	kW	2,95 (0,20-6,10)	3,20 (0,35-6,50)
Max current	A	13,0	15,0
Maximum power consumption	KW	6,50	
EER/COP (EN14511)		3,59	3,75
Pdesign	kW	10,6	10,5
SEER / SCOP average climate (heat-cool)*		7,2	4,2
Energy class *		A++	A+
Seasonal energy consumption	kWh/ annum	515	3500
Sound pressure O.U. (h.)	dB(A)	60	60
Sound power O.U. (h.)	dB(A)	70	
Compressor type		Twin rotary	
Refrigerant type/GWP		R32/675	
Refrigerant charge	kg/T.CO_2 eq.	2,40/1,62	
Liquid pipe diameter	mm (inch)	6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")	
Minimum/maximum piping length with standard charge	m	3-40	
Maximum piping length with additional charge	m	80	
Additional gas charge	g/m	20	
Maximum height difference	m	15	
Net dimensions (H/W/D)	mm	826/1020/427	
Net weight	Kg	72	

OPERATING LIMITS (outdoor temperature)
Cooling: from -15 °C to +43 °C - Heating: from -22 °C to +24 °C
ROOM TEMPERATURE SETTING RANGE: from 16 to 30 °C
*Data declared in compliance with EU Regulations No. 206/2012, on ecodesign requirements for air conditioners and comfort fans, and No. 626/2011, on energy labelling of air conditioners, and tested according to EN14825:2012.

LIMITS ON REFRIGERANT PIPING LENGTH AND HEIGHT DIFFERENCE

The refrigerant piping length between the indoor and outdoor unit must be as short as possible. The refrigerant piping length between the indoor and outdoor unit is also limited by the maximum height difference values between the units. When installing the refrigerant piping, keep both the length (L) and the height difference (H) to a minimum.



R32 REFRIGERANT QUANTITY

The table below shows the split and charge data.
A minimum length of 3 metres per single line is recommended.

Outdoor unit	Unit	TAD-ACWHODU-10IT
Refrigerant charge at shipment	kg	2,40
Liquid pipe diameter	mm (inch)	6,35 - 1/4"
Gas pipe diameter	mm (inch)	9,52 - 3/8"
Max. piping length with standard refrigerant charge	m	40
Additional refrigerant amount	g/m	20
Max. total piping length L=L1+L2+L3+L4	m	80
Max. single pipe length L1 (DHW tank)	m	15
Max. single pipe length L2, L3, L4	m	25
Max. height difference H1 (DHW tank and outdoor unit)	m	10
Max. height difference H (indoor and outdoor unit)	m	25

TANK

Description		Unit	TAD-ACWHIDU-200IT
DHW nominal capacity		kW	4,2
DHW nominal COP			4,56
Load profile			L
DHW temperature setting range		°C	35-55
Capacity		l	185
Connections to distribution box	Liquid pipe	mm	Ø 6,35
	Gas pipe	mm	Ø 9,52
Hydraulic connections	DHW inlet	inches	G1/2"
	DHW outlet	inches	G1/2"
	Drain	inches	G1/2"
Back-up electric heater		W	1500
Net dimensions	Width	mm	462
	Depth	mm	462
	Height	mm	2000
Net weight		kg	72,5





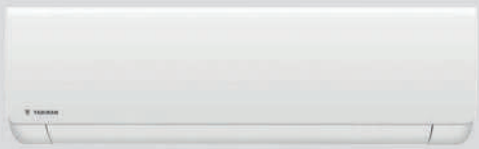
INDOOR UNITS

VEGA



I-FEEL
MULTI SPEED
SLEEP
3D SWING
FAST COOLING
INTELLIGENT DEFROST
COLD AIR PREVENTION
AUTO CLEAN
AUTO RESTART
LOW VOLTAGE STARTUP

POLARIS



I-FEEL
MULTI SPEED
SLEEP
3D SWING
FAST COOLING
INTELLIGENT DEFROST
COLD AIR PREVENTION
AUTO CLEAN
AUTO RESTART
LOW VOLTAGE STARTUP

CONSOLE



I-FEEL
MULTI SPEED
SLEEP
3D SWING
FAST COOLING
INTELLIGENT DEFROST
COLD AIR PREVENTION
AUTO CLEAN
AUTO RESTART
LOW VOLTAGE STARTUP

Description	Unit	TAD-VEGA-IDU-20IT		TAD-VEGA-IDU-25IT		TAD-VEGA-IDU-35IT		TAD-VEGA-IDU-50IT		TAD-VEGA-IDU-70IT	
		Cooling	Heating	Cooling.	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,10	2,60	2,70 (0,80-3,80)	3,00 (0,90-4,25)	3,50 (0,90-4,40)	3,81 (0,90-4,70)	5,2 (1,00-6,10)	5,6 (1,19-6,60)	7,1 2,00-8,80)	7,8 (1,80-9.45)
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	500-430-300		610-570-540-470-440-420-390		700-650-600-540-480-420-360		850-750-680-610-570-520-460		1250-1100-1000-950-900-850-800	
Dehumidification	l/h	0,8		0,8		1,4		1,9		2,4	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	40-37-35-28	40-37-35-28	38-36-34-31-29-27-25	38-37-35-34-32-29-28	42-38-35-32-29-27-25	42-38-36-34-32-30-28	44-43-41-39-36-34-30	48-45-42-40-38-36-33	48-44-41-40-38-36-33	50-47-43-41-40-36-35
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	55-49-47-40	55-49-47-40	54-48-46-43-41-39-37	56-49-47-46-44-41-40	57-50-47-44-41-39-37	52-48-46-44-42-40-38	60-56-54-51-49-47-43	60-58-55-53-51-49-46	64-59-56-55-53-51-48	64-62-58-56-55-51-50
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		15,88 (5/8")	
Net dimensions (H/W/D)	mm	254/819/185		291/894/211		291/894/211		304/1017/221		328/1135/247	
Net weight	Kg	8,5		11		11		13,5		16,5	

Description	Unit	TAD-POLA-IDU25IT		TAD-POLA-IDU35IT		TAD-POLA-IDU50IT		TAD-POLA-IDU70IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,70 (0,40-3,70)	3,00 (0,70-4,00)	3,50 (0,90-4,30)	3,81 (0,90-4,70)	5,10 (1,00-6,50)	5,60 (1,10-6,80)	7,10 (1,00-8,80)	7,80 (1,50-9.50)
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	610-530-500-450-350-290-230-180		650-540-505-405-380-330-310-260		1000-960-870-810-720-640-600-550		1250-1100-1000-950-900-850-800-600	
Dehumidification	l/h	0,8		1,4		1,9		2,4	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	39-36-33-30-25-23-21-18	39-36-34-31-30-29-27	43-39-37-34-32-30-24-18	44-39-37-35-33-32-31	47-45-43-41-35-33-30-26	47-45-42-40-38-36-33	48-44-41-40-38-37-35-27	50-47-43-41-40-38-36
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	57-50-47-44-39-36-35-32	57-50-48-45-44-43-41	58-54-52-49-47-45-39-33	58-53-51-49-47-46-45	60-58-56-54-48-46-43-39	60-58-55-53-51-49-46	65-59-56-55-53-51-48-42	64-62-58-56-55-51-50
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		15,88 (5/8")	
Net dimensions (H/W/D)	mm	276/890/206		291/894/211		333/1000/249		333/1138/249	
Net weight	Kg	9,0		9,0		13,5		15,5	

Description	Unit	TAD-CONS-MIDU-25IT		TAD-CONS-MIDU-35IT		TAD-CONS-MIDU-50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,70 (0,50-3,40)	2,90 (0,60-3,65)	3,52 (0,80-4,40)	3,80 (1,50-4,40)	5,2 (1,20-6,20)	5,3 (1,10-6,20)
Pdesign	kW	2,7	2,6	3,5	3,2	5,2	4,8
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	500-430-410-370-330-280-250		600-520-480-440-400-360-280		750-670-600-520-470-430-350	
Dehumidification	l/h	0,8		1,2		1,8	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	39-36-34-32-29-26-23	39-36-34-32-29-25-22	44-40-38-36-33-29-25	44-40-38-36-33-29-25	49-47-45-42-40-37-32	51-48-45-43-40-38-33
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	52-48-46-44-41-38-35	52-48-46-44-41-37-34	55-51-49-47-44-40-36	55-51-49-47-44-40-36	60-58-56-53-51-48-43	60-57-54-52-49-47-42
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Net dimensions (H/W/D)	mm	600/700/215		600/700/215		600/700/215	
Net weight	Kg	16		16		16	



INDOOR UNITS

4-WAY CASSETTE



I-FEEL
MULTI SPEED
SLEEP
CONDENSATE PUMP
FAST COOLING
SMART DEFROST
COLD AIR PREVENTION
AUTO CLEAN
AUTO RESTART
LOW VOLTAGE STARTUP

DUCTED



CONDENSATE PUMP
MULTI SPEED
SLEEP
3D SWING
FAST COOLING
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LOW VOLTAGE STARTUP

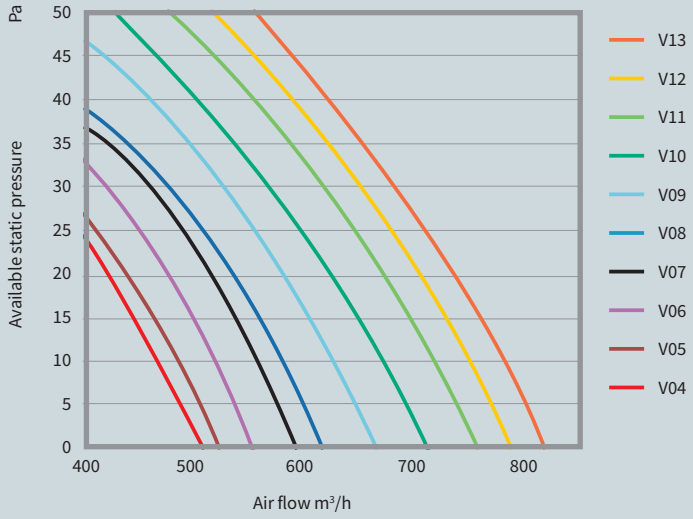
Description	Unit	TAD-CAS-MIDU25IT		TAD-CAS-MIDU35IT	
		Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,8	2,8	3,5	4,0
Air flow I.U. (sa.-a.-ma.-m.-mb.-b.-sb.)	m^3/h	540-450-380		540-450-380	
Dehumidification	l/h	1,4		1,4	
Sound pressure [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	41-39-34-30	40-38-34-30	41-39-34-30	40-38-34-30
Sound power [sa.-a.-ma.-m.-mb.-b.-sb.]	dB(A)	57-55-50-46	57-55-50-46	57-55-50-46	57-55-50-46
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")	
Cassette net dimensions (H/W/D)	mm	265/570/570		265/570/570	
Panel net dimensions (H/W/D)	mm	47,5/620/620		47,5/620/620	
Net weight	Kg	17		17	

Description	Unit	TAD-SLIM-MIDU25IT		TAD-SLIM-MIDU35IT		TAD-SLIM-MIDU50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Rated capacity (min.-max.) (EN14511)	kW	2,65	2,8	3,5	4,0	5,0	5,5
Air flow (h.-mh.-m.-l)	m^3/h	670-610-550		650-560-480-410		880-840-790-750	
Available static pressure	Pa	25		25		25	
Dehumidification	l/h	0,8		1,4		1,8	
Sound pressure	dB(A)	41-39-37-35		39-37-35-33		41-39-38-37	
Sound power	dB(A)	57-55-53-51		55-53-51-49		57-55-54-53	
Liquid pipe diameter	mm (poll)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (poll)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Net dimensions (H/W/D)	mm	200-710-450		200-710-450		260-1010-655	
Net weight	Kg	18,5		19		25	

DUCTED UNIT CURVES

MODEL
TAD-SLIM-MIDU25IT

The wired controller can be used to change the available static pressure at the super-high, high, medium-high, medium, medium-low, low and quiet fan speeds. 5 available static pressure levels can be set from the controller.

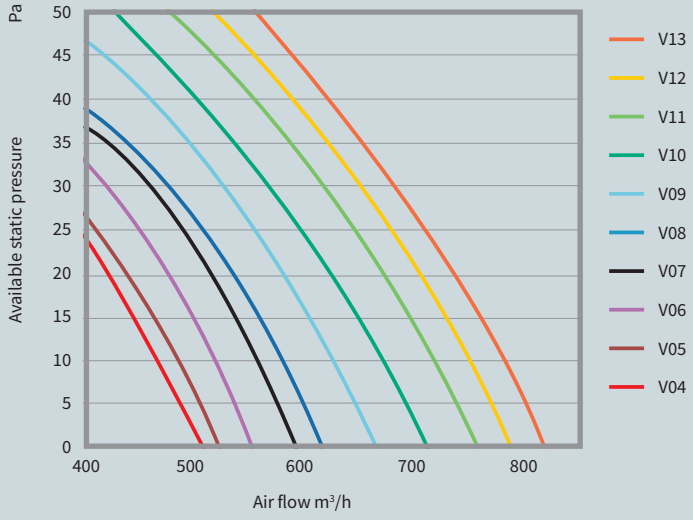


AVAILABLE STATIC PRESSURE	SUPER HIGH SPEED	HIGH SPEED	MEDIUM HIGH SPEED	MEDIUM SPEED	MEDIUM LOW SPEED	LOW SPEED	QUIET SPEED
P03	V10	V08	V07	V06	V05	V04	V03
P04	V10	V09	V08	V07	V06	V05	V04
P05*	**V11**	**V10**	**V09**	**V08**	**V07**	**V06**	**V05**
P06	V12	V11	V10	V09	V08	V07	V06
P07	V13	V12	V10	V11	V10	V09	V08

* default available static pressure level.

MODEL
TAD-SLIM-MIDU35IT

The wired controller can be used to change the available static pressure at the super-high, high, medium-high, medium, medium-low, low and quiet fan speeds. 5 available static pressure levels can be set from the controller.

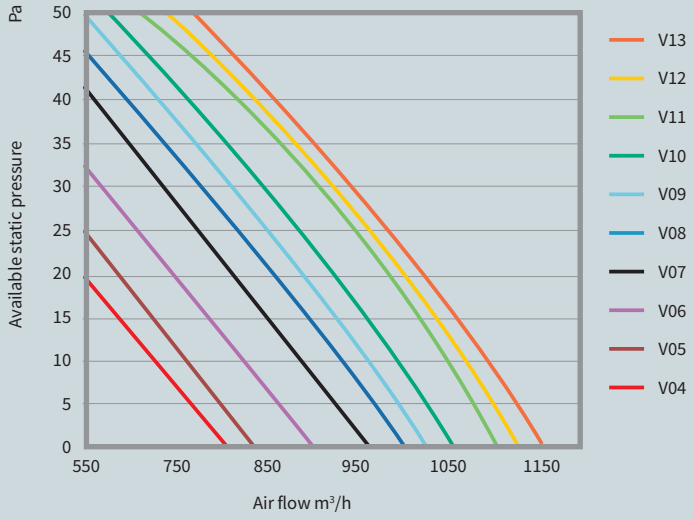


AVAILABLE STATIC PRESSURE	SUPER HIGH SPEED	HIGH SPEED	MEDIUM HIGH SPEED	MEDIUM SPEED	MEDIUM LOW SPEED	LOW SPEED	QUIET SPEED
P03	V10	V08	V07	V06	V05	V04	V03
P04	V10	V09	V08	V07	V06	V05	V04
P05*	**V11**	**V10**	**V09**	**V08**	**V07**	**V06**	**V05**
P06	V12	V11	V10	V09	V08	V07	V06
P07	V13	V12	V10	V11	V10	V09	V08

* default available static pressure level.

MODEL
TAD-SLIM-MIDU50IT

The wired controller can be used to change the available static pressure at the super-high, high, medium-high, medium, medium-low, low and quiet fan speeds. 5 available static pressure levels can be set from the controller.



AVAILABLE STATIC PRESSURE	SUPER HIGH SPEED	HIGH SPEED	MEDIUM HIGH SPEED	MEDIUM SPEED	MEDIUM LOW SPEED	LOW SPEED	QUIET SPEED
P03	V10	V08	V07	V06	V05	V04	V03
P04	V10	V09	V08	V07	V06	V05	V04
P05*	**V11**	**V10**	**V09**	**V08**	**V07**	**V06**	**V05**
P06	V12	V11	V10	V09	V08	V07	V06
P07	V13	V12	V10	V11	V10	V09	V08

* default available static pressure level.

Multi Star DHW Systems Combinations

COOLING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated cooling total (kW)			Total power input (kW)			Total current draw (A) 230V			EER (W/W)*	SEER (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-ACWHODU-10IT	20+35	NO	2,20	3,50		2,60	5,70	6,33	1,60	2,00	3,50	7,10	13,31	15,53	**1,90**	6.10	A++
	20+50	NO	2,20	5,25		2,60	7,45	8,50	1,60	2,40	3,50	7,10	17,75	15,53	**1,86**	6.10	A++
	20+70	NO	2,20	7,10		2,60	9,30	10,33	1,60	2,40	3,50	7,10	22,18	15,53	1,86	6.10	A++
	25+25	NO	2,60	2,60		2,60	5,20	6,50	1,60	1,90	3,50	7,10	26,62	15,53	**0,87**	6.10	A++
	25+35	NO	2,60	3,50		2,60	6,10	7,50	1,60	2,30	3,50	7,10	31,06	15,53	**0,87**	6.10	A++
	25+50	NO	2,60	5,25		2,60	7,85	9,00	1,60	2,40	3,50	7,10	35,49	15,53	0,98	6.10	A++
	25+70	NO	2,60	7,10		2,60	9,70	11,00	1,60	2,60	3,60	7,10	39,93	15,97	1,08	6.10	A++
	35+35	NO	3,50	3,50		2,60	7,00	9,20	1,60	2,40	3,50	7,10	44,37	15,53	**0,70**	6.10	A++
	35+50	NO	3,50	5,25		2,60	8,75	10,00	1,60	2,40	3,50	7,10	48,80	15,53	0,80	6.10	A++
	35+70	NO	3,50	7,10		2,60	10,60	12,00	1,60	2,95	4,60	7,10	53,24	20,41	0,88	6.10	A++
	50+50	NO	5,25	5,25		2,60	10,60	12,00	1,60	2,95	4,60	7,10	57,68	20,41	0,82	6.10	A++
	50+70	NO	4,54	6,06		2,60	10,60	12,00	1,60	2,95	4,60	7,10	62,11	20,41	0,76	6.10	A++
	70+70	NO	5,30	5,30		2,60	10,60	12,00	1,60	2,95	4,60	7,10	66,55	20,41	0,71	6.10	A++
	20+20+20	NO	2,20	2,20	2,20	2,60	6,60	9,20	1,60	2,30	3,50	7,10	70,98	15,53	**0,41**	6.10	A++
	20+20+25	NO	2,20	2,20	2,60	2,60	7,00	9,50	1,60	2,40	3,50	7,10	75,42	15,53	**0,41**	6.10	A++
	20+20+35	NO	2,20	2,20	3,50	2,60	7,90	9,60	1,60	2,40	3,50	7,10	79,86	15,53	0,44	6.10	A++
	20+20+50	NO	2,20	2,20	5,25	2,60	9,65	11,00	1,60	2,80	4,60	7,10	84,29	20,41	0,51	6.10	A++
	20+20+70	NO	1,95	1,95	6,69	2,60	10,60	12,00	1,60	2,95	4,60	7,10	88,73	20,41	0,53	6.10	A++
	20+25+25	NO	2,20	2,60	2,60	2,60	7,40	9,50	1,60	2,40	3,50	7,10	93,17	15,53	**0,35**	6.10	A++
	20+25+35	NO	2,20	2,60	3,50	2,60	8,30	11,00	1,60	2,40	3,50	7,10	97,60	15,53	0,38	6.10	A++
	20+25+50	NO	2,20	2,60	5,25	2,60	10,05	11,33	1,60	2,95	4,60	7,10	102,04	20,41	0,44	6.10	A++
	20+25+70	NO	1,86	2,39	6,36	2,60	10,60	12,00	1,60	2,95	4,60	7,10	106,48	20,41	0,44	6.10	A++
	20+35+35	NO	2,20	3,50	3,50	2,60	9,20	11,00	1,60	2,40	3,50	7,10	110,91	15,53	0,37	6.10	A++
	20+35+50	NO	2,01	3,44	5,16	2,60	10,60	12,00	1,60	2,95	4,60	7,10	115,35	20,41	0,41	6.10	A++
	20+35+70	NO	1,73	2,96	5,92	2,60	10,60	12,00	1,60	2,95	4,60	7,10	119,79	20,41	0,39	6.10	A++
	20+50+50	NO	1,73	4,44	4,44	2,60	10,60	12,00	1,60	2,95	4,60	7,10	124,22	20,41	0,38	6.10	A++
	20+50+70	NO	1,51	3,89	5,19	2,60	10,60	12,00	1,60	2,95	4,60	7,10	128,66	20,41	0,37	6.10	A++
	25+25+25	NO	2,60	2,60	2,60	2,60	7,80	10,00	1,60	2,40	3,50	7,10	133,10	15,53	0,26	6.10	A++
	25+25+35	NO	2,60	2,60	3,50	2,60	8,70	11,00	1,60	2,60	3,60	7,10	137,53	15,97	0,28	6.10	A++
	25+25+50	NO	2,60	2,60	5,25	2,60	10,60	12,00	1,60	2,95	4,60	7,10	141,97	20,41	0,33	6.10	A++
	25+25+70	NO	2,27	2,27	6,06	2,60	10,60	12,00	1,60	2,95	4,60	7,10	146,41	20,41	0,32	6.10	A++
	25+35+35	NO	2,60	3,50	3,50	2,60	9,60	11,00	1,60	2,60	4,60	7,10	150,84	20,41	0,28	6.10	A++
	25+35+50	NO	2,45	3,26	4,89	2,60	10,60	12,00	1,60	2,95	4,60	7,10	155,28	20,41	0,30	6.10	A++
	25+35+70	NO	2,12	2,83	5,65	2,60	10,60	12,00	1,60	2,95	4,60	7,10	159,72	20,41	0,29	6.10	A++
	25+50+50	NO	2,12	4,24	4,24	2,60	10,60	12,00	1,60	2,95	4,60	7,10	164,15	20,41	0,29	6.10	A++
	25+50+70	NO	1,87	3,74	4,99	2,60	10,60	12,00	1,60	2,95	4,60	7,10	168,59	20,41	0,28	6.10	A++
	35+35+35	NO	3,50	3,50	3,50	2,60	10,60	12,00	1,60	2,95	4,60	7,10	173,03	20,41	0,27	6.10	A++
	35+35+50	NO	3,03	3,03	4,54	2,60	10,60	12,00	1,60	2,95	4,60	7,10	177,46	20,41	0,27	6.10	A++
	35+35+70	NO	2,65	2,65	5,30	2,60	10,60	12,00	1,60	2,95	4,60	7,10	181,90	20,41	0,26	6.10	A++
	35+50+50	NO	2,65	3,98	3,98	2,60	10,60	12,00	1,60	2,95	4,60	7,10	186,34	20,41	0,25	6.10	A++
	35+50+70	NO	2,36	3,53	4,71	2,60	10,60	12,00	1,60	2,95	4,60	7,10	190,77	20,41	0,25	6.10	A++
	50+50+50	NO	3,53	3,53	3,53	2,60	10,60	12,00	1,60	2,95	4,60	7,10	195,21	20,41	0,24	6.10	A++

HEATING

	COMBINATIONS (min. 2 indoor units)	Rated heating capacity rated (kW)				Rated heating total (kW)			Total power input (kW)			Total current draw (A) 230V			COP (W/W)*	SCOP (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.			
TAD-ACWHODU-10IT	20+35	NO	2,60	3,80		3,00	6,40	7,38	1,61	2,20	3,60	7,13	9,76	15,97	2,91	3,8	A
	20+50	NO	2,60	5,60		3,00	8,20	9,72	1,61	2,60	4,00	7,13	11,54	17,75	3,15	3,8	A
	20+70	NO	2,60	8,20		3,00	10,80	12,05	1,61	2,90	4,80	7,13	12,87	21,30	3,72	3,8	A
	25+25	NO	2,80	2,80		3,00	5,60	7,00	1,61	1,90	3,60	7,13	8,43	15,97	2,95	3,8	A
	25+35	NO	2,80	3,80		3,00	6,60	8,16	1,61	2,30	3,80	7,13	10,20	16,86	2,87	3,8	A
	25+50	NO	2,80	5,60		3,00	8,40	10,50	1,61	2,80	4,20	7,13	12,42	18,63	3,00	3,8	A
	25+70	NO	2,80	8,20		3,00	11,00	12,83	1,61	3,04	5,00	7,13	13,49	22,18	3,62	3,8	A
	35+35	NO	3,80	3,80		3,00	7,60	9,33	1,61	2,60	4,00	7,13	11,54	17,75	2,92	3,8	A
	35+50	NO	3,80	5,60		3,00	9,40	11,66	1,61	2,90	4,80	7,13	12,87	21,30	3,24	3,8	A
	35+70	NO	3,80	8,20		3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	50+50	NO	5,60	5,60		3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	50+70	NO	5,14	6,86		3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	70+70	NO	6,00	6,00		3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	20+20+20	NO	2,60	2,60	2,60	3,00	7,80	8,16	1,61	2,40	3,60	7,13	10,65	15,97	3,25	3,8	A
	20+20+25	NO	2,60	2,60	2,80	3,00	8,00	8,94	1,61	2,60	4,00	7,13	11,54	17,75	3,08	3,8	A
	20+20+35	NO	2,60	2,60	3,80	3,00	9,00	10,11	1,61	2,80	4,20	7,13	12,42	18,63	3,21	3,8	A
	20+20+50	NO	2,60	2,60	5,60	3,00	10,80	12,44	1,61	2,90	4,80	7,13	12,87	21,30	3,72	3,8	A
	20+20+70	NO	2,21	2,21	7,58	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	20+25+25	NO	2,60	2,80	2,80	3,00	8,20	9,72	1,61	2,80	4,20	7,13	12,42	18,63	2,93	3,8	A
	20+25+35	NO	2,60	2,80	3,80	3,00	9,20	10,88	1,61	2,90	4,80	7,13	12,87	21,30	3,17	3,8	A
	20+25+50	NO	2,60	2,80	5,60	3,00	11,00	13,22	1,61	3,04	5,00	7,13	13,49	22,18	3,62	3,8	A
	20+25+70	NO	2,12	2,72	7,26	3,00	12,10	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,78	3,8	A
	20+35+35	NO	2,60	3,80	3,80	3,00	10,20	12,05	1,61	2,90	4,80	7,13	12,87	21,30	3,52	3,8	A
	20+35+50	NO	2,60	3,80	5,60	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	20+35+70	NO	1,95	3,35	6,70	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	20+50+50	NO	1,95	5,02	5,02	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	20+50+70	NO	1,71	4,41	5,88	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	25+25+25	NO	2,80	2,80	2,80	3,00	8,40	10,50	1,61	2,80	4,20	7,13	12,42	18,63	3,00	3,8	A
	25+25+35	NO	2,80	2,80	3,80	3,00	9,40	11,66	1,61	2,90	4,80	7,13	12,87	21,30	3,24	3,8	A
	25+25+50	NO	2,80	2,80	5,60	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	25+25+70	NO	2,57	2,57	6,86	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	25+35+35	NO	2,80	3,80	3,80	3,00	10,40	12,83	1,61	3,04	5,00	7,13	13,49	22,18	3,42	3,8	A
	25+35+50	NO	2,77	3,69	5,54	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	25+35+70	NO	2,40	3,20	6,40	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	25+50+50	NO	2,40	4,80	4,80	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	25+50+70	NO	2,12	4,24	5,65	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	35+35+35	NO	3,80	3,80	3,80	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	35+35+50	NO	3,43	3,43	5,14	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	35+35+70	NO	3,00	3,00	6,00	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	35+50+50	NO	3,00	4,50	4,50	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	35+50+70	NO	2,67	4,00	5,33	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A
	50+50+50	NO	4,00	4,00	4,00	3,00	12,00	14,00	1,61	3,20	5,00	7,13	14,20	22,18	3,75	3,8	A

Multi Star DHW Systems Combinations

COOLING

	COMBINATIONS (min. 2 indoor units)	Tank	Cooling capacity nominal (kW)				DHW cooling mode			Total cooling capacity (kW)			Total power input (kW)			Total current input (A) at 230V		
			Tank	Unit A	Unit B	Unit C	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.
TAD-ACWHODU-10IT	20	Yes	4,20	2,20			2,20	4,20	4,60	2,20	2,20	2,80	1,60	2,00	3,50	7,10	8,87	15,52
	25	Yes	4,20	2,60			2,20	4,20	4,60	2,20	2,60	3,00	1,60	2,30	3,50	7,10	10,20	15,52
	35	Yes	4,20	3,50			2,20	4,20	4,60	2,20	3,50	4,00	1,60	2,40	3,50	7,10	10,65	15,52
	50	Yes	4,20	5,25			2,20	4,20	4,60	2,20	5,25	5,80	1,60	2,40	3,50	7,10	10,65	15,52
	70	Yes	4,20	7,10			2,20	4,20	4,60	2,20	7,10	8,80	1,60	3,00	4,60	7,10	13,31	20,41
	20+20	Yes	4,20	2,20	2,20		2,20	4,20	4,60	2,60	4,40	5,60	1,60	2,40	3,50	7,10	10,65	15,52
	20+25	Yes	4,20	2,20	2,60		2,20	4,20	4,60	2,60	4,80	5,80	1,60	2,40	3,50	7,10	10,65	15,52
	20+35	Yes	4,20	2,20	3,50		2,20	4,20	4,60	2,60	5,70	6,33	1,60	2,80	5,00	7,10	12,42	22,18
	20+50	Yes	4,20	2,20	5,25		2,20	4,20	4,60	2,60	7,45	8,50	1,60	3,20	5,00	7,10	14,20	22,18
	20+70	Yes	4,20	2,20	7,10		2,20	4,20	4,60	2,60	9,30	10,33	1,60	3,20	5,00	7,10	14,20	22,18
	25+25	Yes	4,20	2,60	2,60		2,20	4,20	4,60	2,60	5,20	6,50	1,60	2,70	5,00	7,10	11,98	22,18
	25+35	Yes	4,20	2,60	3,50		2,20	4,20	4,60	2,60	6,10	7,50	1,60	3,10	5,00	7,10	13,75	22,18
	25+50	Yes	4,20	2,60	5,25		2,20	4,20	4,60	2,60	7,85	9,00	1,60	3,20	5,00	7,10	14,20	22,18
	25+70	Yes	4,20	2,60	7,10		2,20	4,20	4,60	2,60	9,70	11,00	1,60	3,40	5,10	7,10	15,08	22,63
	35+35	Yes	4,20	3,50	3,50		2,20	4,20	4,60	2,60	7,00	9,20	1,60	3,20	5,00	7,10	14,20	22,18
	35+50	Yes	4,20	3,50	5,25		2,20	4,20	4,60	2,60	8,75	10,00	1,60	3,20	5,00	7,10	14,20	22,18
	35+70	Yes	4,20	3,50	7,10		2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	50+50	Yes	4,20	5,25	5,25		2,20	4,20	4,60	2,60	10,50	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	50+70	Yes	4,20	4,54	6,06		2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	20+20+20	Yes	4,20	2,20	2,20	2,20	2,20	4,20	4,60	2,60	6,60	9,20	1,60	3,10	5,00	7,10	13,75	22,18
	20+20+25	Yes	4,20	2,20	2,20	2,60	2,20	4,20	4,60	2,60	7,00	9,50	1,60	3,20	5,00	7,10	14,20	22,18
	20+20+35	Yes	4,20	2,20	2,20	3,50	2,20	4,20	4,60	2,60	7,90	9,60	1,60	3,20	5,00	7,10	14,20	22,18
	20+20+50	Yes	4,20	2,20	2,20	5,25	2,20	4,20	4,60	2,60	9,65	11,00	1,60	3,60	6,10	7,10	15,97	27,06
	20+20+70	Yes	4,20	1,95	1,95	6,69	2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	20+25+25	Yes	4,20	2,20	2,60	2,60	2,20	4,20	4,60	2,60	7,40	9,50	1,60	3,20	5,00	7,10	14,20	22,18
	20+25+35	Yes	4,20	2,20	2,60	3,50	2,20	4,20	4,60	2,60	8,30	11,00	1,60	3,20	5,00	7,10	14,20	22,18
	20+25+50	Yes	4,20	2,20	2,60	5,25	2,20	4,20	4,60	2,60	10,05	11,33	1,60	3,80	6,10	7,10	16,86	27,06
	20+25+70	Yes	4,20	1,86	2,39	6,36	2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	20+35+35	Yes	4,20	2,20	3,50	3,50	2,20	4,20	4,60	2,60	9,20	11,00	1,60	3,20	5,00	7,10	14,20	22,18
	20+35+50	Yes	4,20	2,01	3,44	5,16	2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	25+25+25	Yes	4,20	2,60	2,60	2,60	2,20	4,20	4,60	2,60	7,80	10,00	1,60	3,20	5,00	7,10	14,20	22,18
	25+25+35	Yes	4,20	2,60	2,60	3,50	2,20	4,20	4,60	2,60	8,70	11,00	1,60	3,40	5,10	7,10	15,08	22,63
	25+25+50	Yes	4,20	2,60	2,60	5,25	2,20	4,20	4,60	2,60	10,45	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	25+25+70	Yes	4,20	2,27	2,27	6,06	2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	25+35+35	Yes	4,20	2,60	3,50	3,50	2,20	4,20	4,60	2,60	9,60	11,00	1,60	3,80	6,10	7,10	16,86	27,06
	25+35+50	Yes	4,20	2,45	3,26	4,89	2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	35+35+35	Yes	4,20	3,50	3,50	3,50	2,20	4,20	4,60	2,60	10,50	12,00	1,60	3,80	6,10	7,10	16,86	27,06
	35+35+50	Yes	4,20	3,03	3,03	4,54	2,20	4,20	4,60	2,60	10,60	12,00	1,60	3,80	6,10	7,10	16,86	27,06

HEATING

	COMBINATIONS (min. 2 indoor units)	Tank	Heating capacity nominal (kW)				DHW heating mode			Total heating capacity (kW)			Total power input (kW)			Total current input (A) at 230V		
			Tank	Unit A	Unit B	Unit C	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.
TAD-ACWHODU-10IT	20	Yes	4,20	2,60			2,20	4,20	4,60	2,60	2,60	3,00	1,61	2,20	3,60	7,13	9,76	15,97
	25	Yes	4,20	2,80			2,20	4,20	4,60	2,60	2,80	3,20	1,61	2,30	3,80	7,13	10,20	16,86
	35	Yes	4,20	3,80			2,20	4,20	4,60	3,00	3,80	4,00	1,61	2,60	4,00	7,13	11,54	17,75
	50	Yes	4,20	5,60			2,20	4,20	4,60	3,00	5,60	6,00	1,61	2,90	4,80	7,13	12,87	21,30
	70	Yes	4,20	8,20			2,20	4,20	4,60	3,00	8,20	9,00	1,61	3,04	5,00	7,13	13,49	22,18
	20+20	Yes	4,20	2,60	2,60		2,20	4,20	4,60	3,00	5,20	6,00	1,61	2,80	4,20	7,13	12,42	18,63
	20+25	Yes	4,20	2,60	2,80		2,20	4,20	4,60	3,00	5,40	6,20	1,61	2,90	4,80	7,13	12,87	21,30
	20+35	Yes	4,20	2,60	3,80		2,20	Yes	4,60	3,00	10,60	7,38	1,61	3,00	5,10	7,13	13,31	22,63
	20+50	Yes	4,06	2,52	5,42		2,20	Yes	4,60	3,00	12,00	9,72	1,61	3,40	5,50	7,13	15,08	24,40
	20+70	Yes	3,36	2,08	6,56		2,20	Yes	4,60	3,00	12,00	12,05	1,61	3,70	6,30	7,13	16,42	27,95
	25+25	Yes	4,20	2,80	2,80		2,20	Yes	4,60	3,00	9,80	7,00	1,61	2,70	5,10	7,13	11,98	22,63
	25+35	Yes	4,20	2,80	3,80		2,20	Yes	4,60	3,00	10,80	8,16	1,61	3,10	5,30	7,13	13,75	23,51
	25+50	Yes	4,00	2,67	5,33		2,20	Yes	4,60	3,00	12,00	10,50	1,61	3,60	5,70	7,13	15,97	25,29
	25+70	Yes	3,32	2,21	6,47		2,20	Yes	4,60	3,00	12,00	12,83	1,61	3,84	6,50	7,13	17,04	28,84
	35+35	Yes	4,20	3,80	3,80		2,20	Yes	4,60	3,00	11,80	9,33	1,61	3,40	5,50	7,13	15,08	24,40
	35+50	Yes	3,71	3,35	4,94		2,20	Yes	4,60	3,00	12,00	11,66	1,61	3,70	6,30	7,13	16,42	27,95
	35+70	Yes	3,11	2,81	6,07		2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	50+50	Yes	3,27	4,36	4,36		2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	50+70	Yes	3,11	3,81	5,08		2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	20+20+20	Yes	4,20	2,60	2,60	2,60	2,20	Yes	4,60	3,00	12,00	8,16	1,61	3,20	5,10	7,13	14,20	22,63
	20+20+25	Yes	4,13	2,56	2,56	2,75	2,20	Yes	4,60	3,00	12,00	8,94	1,61	3,40	5,50	7,13	15,08	24,40
	20+20+35	Yes	3,82	2,36	2,36	3,45	2,20	Yes	4,60	3,00	12,00	10,11	1,61	3,60	5,70	7,13	15,97	25,29
	20+20+50	Yes	3,36	2,08	2,08	4,48	2,20	Yes	4,60	3,00	12,00	12,44	1,61	3,70	6,30	7,13	16,42	27,95
	20+20+70	Yes	3,11	1,64	1,64	5,61	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	20+25+25	Yes	4,06	2,52	2,71	2,71	2,20	Yes	4,60	3,00	12,00	9,72	1,61	3,60	5,70	7,13	15,97	25,29
	20+25+35	Yes	3,76	2,33	2,51	3,40	2,20	Yes	4,60	3,00	12,00	10,88	1,61	3,70	6,30	7,13	16,42	27,95
	20+25+50	Yes	3,32	2,05	2,21	4,42	2,20	Yes	4,60	3,00	12,00	13,22	1,61	3,84	6,50	7,13	17,04	28,84
	20+25+70	Yes	3,09	1,56	2,00	5,34	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	20+35+35	Yes	3,50	2,17	3,17	3,17	2,20	Yes	4,60	3,00	12,00	12,05	1,61	3,70	6,30	7,13	16,42	27,95
	20+35+50	Yes	3,11	1,93	2,81	4,15	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	25+25+25	Yes	4,00	2,67	2,67	2,67	2,20	Yes	4,60	3,00	12,00	10,50	1,61	3,60	5,70	7,13	15,97	25,29
	25+25+35	Yes	3,71	2,47	2,47	3,35	2,20	Yes	4,60	3,00	12,00	11,66	1,61	3,70	6,30	7,13	16,42	27,95
	25+25+50	Yes	3,27	2,18	2,18	4,36	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	25+25+70	Yes	3,11	1,90	1,90	5,08	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	25+35+35	Yes	3,45	2,30	3,12	3,12	2,20	Yes	4,60	3,00	12,00	12,83	1,61	3,84	6,50	7,13	17,04	28,84
	25+35+50	Yes	3,11	2,05	2,74	4,10	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	35+35+35	Yes	3,23	2,92	2,92	2,92	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84
	35+35+50	Yes	3,11	2,54	2,54	3,81	2,20	Yes	4,60	3,00	12,00	14,00	1,61	3,84	6,50	7,13	17,04	28,84

CONTROLLERS AND ACCESSORIES



Standard for indoor unit
WALL-MOUNTED (VEGA)



Standard for indoor unit
CONSOLE



Standard for indoor unit
CASSETTE



Standard for indoor unit
WALL-MOUNTED (POLARIS)
Optional for indoor unit
DUCTED



Wired controller
Standard for unit
DUCTED



TAD-SMUL-WCIT

Wired controller
Optional for unit
WALL-MOUNTED,
CONSOLE, CASSETTE



TAD-ACWH-CONIT

Wired controller for DHW Tank

MULTI STAR DHW

- Controls both the indoor units and the domestic hot water tank from a single point
- Manages the anti-legionella sanitization cycle
- I-Know: learns your domestic hot water usage habits and adjusts recovery times accordingly
- Timer functions, holiday mode and presets to anticipate water heating with a two-hour standby before the actual time of use



TAD-MUL-CCIT

Centralized controller

MULTI STAR - Max 36 units

- High-resolution colour LCD: 7″ capacitive touch screen
- Control and management of up to 36 connectable indoor units
- All indoor units must be equipped with the MODBUS Gateway TAD-ME50EGM-IT to enable communication with the centralized controller
- Recessed wall installation protruding only 11 mm
- Setting functions, parameter display, fault logging and access management
- Requires installation of wired controllers for each indoor unit





OUTDOOR UNITS

MINI VRF COMMERCIAL SYSTEMS

The Tadiran Mini VRF range features 3 single-phase and 7 three-phase models, with the option of connecting 6 to 20 indoor units - wall-mounted, console, ducted and 8-way cassette. Indoor units can be connected for a capacity of 50% to 135% of the outdoor unit.

MINI VRF

TAD-VRFODU-4IT
TAD-VRFODU-5IT



TAD-VRFODU-6IT
TAD-VRFODUT-4IT
TAD-VRFODUT-5IT
TAD-VRFODUT-6IT
TAD-VRFODUT-7IT
TAD-VRFODUT-8IT
TAD-VRFODUT-10IT
TAD-VRFODUT-12IT





ACOUSTIC COMFORT

ACOUSTIC COMFORT SOLUTIONS FOR INDOOR UNITS

Quietness is ensured by the special design of the high-efficiency centrifugal fan and the scroll housing of the ducted systems. Thanks to an optimal air inlet angle on the fan blades and the ratio between the inner and outer elements of the impeller, a large air volume is achieved with extremely low noise. The expansion valve can be remoted to bring actual noise down to just 22 dB(A).

VERY QUIET OUTDOOR UNIT

The exclusively designed fans and the special compressor insulation significantly reduce outdoor unit noise, bringing it in some cases down to just 45 dB(A).



RELIABILITY

WIDE OPERATING RANGE IN COOLING

Our Mini VRF can provide cooling at outdoor temperatures from -5°C to +52°C.

INTELLIGENT DEFROST

During heating, the duration and frequency of defrost cycles depend on several factors such as outdoor temperature, load and operating time. The microprocessor analyses all parameters and defines the defrost time in real time, estimating the thickness of the ice layer, the working pressure and the surface available for heat exchange.

PROTECTED FROM STRONG HEADWINDS

Our Mini VRF adopts a technology that effectively counteracts even strong headwinds, for safe installation even in very windy areas.

RESISTANT TO COMMUNICATION INTERFERENCE

Our systems adopt CAN-bus communication technology.
The CAN-bus protocol was expressly designed to operate in environments heavily disturbed by electromagnetic waves. The communication cable can be laid without the need for a shielded cable.

FLEXIBILITY

GREAT INSTALLATION FLEXIBILITY

The Mini VRF units of this series can operate with refrigerant piping extended to considerable lengths.

EASY HANDLING

The compact dimensions allow easy transport even in a lift.





Model				TAD-VRFODU-4IT	TAD-VRFODU-5IT	TAD-VRFODU-6IT
Capacity	Size		HP	4	5	6
	Cooling		kW	12,1	14,1	16,0
	Heating		kW	13,0	16,0	18,5
Electrical parameters	Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Cooling	Nominal power input	kW	3,45	3,92	4,75
		Nominal current	A	18,4	20,9	25,4
	Heating	Nominal power input	kW	2,7	4,16	4,65
		Nominal current	A	14,4	22,2	24,8
		Max power	kW	4,5	6,7	6,8
		Max. current	A	24	35,8	31,5
Performance	EER*			3,45	3,74	3,27
	COP*			4,06	4,33	4,11
	SEER			5,89	5,73	6.69
	SCOP			3,99	3,86	4.31
	ηsc		%	233	226	265
	ηsh		%	157	151	169
	Air flow		m^3/h	4400	5200	6600
	Sound power (H)		dB(A)	70	73	76
	Sound pressure (H)		dB(A)	57	58	58
Installation	External dimensions (W/D/H)		mm	980/360/790	940/460/820	900/340/1345
	Packaging dimensions (W/D/H)		mm	1097/477/937	1023/563/973	988/458/1500
	Net weight/with packaging		kg	85/96	98/108	98/108
	Compressor type			Inverter Rotary		
	N. of compressors			1		
	Refrigerant			R410A		
	Refrigerant charge		kg	2,0	3,3	3,3
	CO^2 equivalent T		T CO^2 eq	4,2	6,9	6,9
	Liquid piping		mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas piping		mm (inch)	15.9 (5/8")	15.9 (5/8")	19.05 (3/4")
	Total piping length		m	250	300	300
	Max. length of longest pipe (actual/equivalent)		m	100/120	120/150	120/150
	Standard height diff. I.U.& O.U (O.U above/below)		m	30/30	50/40	50/40
	Standard height diff. between I.U.		m	10	15	15
Connectivity	Connectivity percentage		%	50~135	50~135	50~135
	Max. number of indoor units			6	8	9
Working temperatures	Cooling		°C	-5°C - 52°C		
	Heating		°C	-20°C - 27°C		



TAD-VRFODUT-4IT	TAD-VRFODUT-5IT	TAD-VRFODUT-6IT	TAD-VRFODUT-7IT	TAD-VRFODUT-8IT (availability to be defined)	TAD-VRFODUT-10IT	TAD-VRFODUT-12IT
4	5	6	8	8	10	12
12,1	14,0	16,0	22,4	22,4	28,0	33,5
14,0	16,5	18,0	24,0	24	31,5	37,5
380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
3,03	3,59	4,75	6,12	4,9	6,5	8,1
5,4	6,4	8,5	10,9	10,9	14,2	16,1
3,27	3,95	4,65	4,9	4,8	6,2	8,2
5,8	7,1	8,3	8,8	8,8	11,5	13,8
6,2	6,7	7,09	9,6	11,1	12,5	13,0
11,1	12,0	12,5	17,2	20,0	25,0	25,0
4,08	3,81	3,27	3,66	4,55	4,30	4,14
4,07	4,4	4,1	4,9	5,23	5,08	4,58
6,70	6,87	6,95	6,82	6,85	6,36	6,78
3,97	4,26	4,05	4,31	4,44	4,68	4,69
265	272	275	270	271	251	283
156	167	159	169	174	184	184
6000	6300	6600	8000	9750	10500	11100
72	73	76	78	78	80	80
57	58	58	58	58	59	61
900/340/1345	900/340/1345	900/340/1345	940/320/1430	940/460/1615	940/460/1615	940/460/1615
988/458/1500	988/458/1500	988/458/1500	1088/438/1580	1038/578/1765	1038/578/1765	1038/578/1765
122/133	122/133	122/133	133/144	133	163	174
Inverter Rotary						
1						
R410A						
3,3	3,3	3,3	5,5	5,0	5,0	5,2
6,9	6,9	6,9	11,5	10,440	10,440	10,858
9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
15.9 (5/8")	15.9 (5/8")	19.05 (3/4")	19.05 (3/4")	19.05 (3/4")	22.2 (7/8")	25.4 (1")
300	300	300	300	300	300	300
120/150	120/150	120/150	120/150	120 / 150	120 / 150	120 / 150
50/40	50/40	50/40	50/40	50 / 40	50 / 40	50 / 40
15	15	15	15	15	15	15
50~135	50~135	50~135	50~135	50-135	50-135	50-135
7	8	9	13	13	17	20
-5°C - 52°C						
-20°C - 27°C						

*EER/COP according to Standard (EN 14511), declared only for the purposes of the tax deductions in force
**All specifications are tested under nominal conditions (in cooling, indoor temperature is 27°C DB/19°C WB; outdoor temperature is 35°C DB/24WB; in heating, indoor temperature is 20°C DB; outdoor temperature is 7°C)





VRF MODULAR COMMERCIAL SYSTEMS

The Tadiran Modular VRF range features 9 models, with the option of connecting 16 to 45 indoor units - wall-mounted, console, ducted and 8-way cassette. Indoor units can be connected for a capacity of 50% to 135% of the outdoor unit.

8-12HP

TAD-VRFODUM-8IT
TAD-VRFODUM-10IT
TAD-VRFODUM-12IT



14-24HP

TAD-VRFODUM-14IT
TAD-VRFODUM-16IT
TAD-VRFODUM-18IT
TAD-VRFODUM-20IT
TAD-VRFODUM-22IT
TAD-VRFODUM-24IT





ADVANCED TECHNOLOGY

EFFICIENCY

- New-generation compressor
- Sensorless DC Inverter
- Fan motor
- Highly controlled vapour injection with double expansion valve (EEV)
- Multi EEV control technology

HEAT EXCHANGER

- High efficiency
- Dual-zone stratified heat exchanger
- Exclusive fan blade design
- Golden Fin protection

INTELLIGENT DEFROST

- New generation of intelligent defrost, thanks to advanced cooling and heating technology

NOISE CONTROL

- High air flow and reduced fan noise
- Acoustic insulation and soundproofing
- Better acoustic control of vapour injection
- Reduced refrigerant flow noise
- Intelligent quiet control

SENSORLESS DC INVERTER FAN MOTOR

Linear speed regulation operates in a range between 5 and 65 Hz. Compared with traditional inverter motors, this system ensures higher energy efficiency. In addition, sensorless control technology ensures quieter operation with reduced vibration.

SMART CONTROL

- Dual energy-saving mode
- Efficient modular control (HPAC)
- Self-adapting load control (SRL)
- Intelligent refrigerant circuit control

WIDE OPERATING RANGE

COOLING

- 15 °C* ⟷ 55 °C

HEATING

- 30 °C ⟷ 27 °C

* Cooling between -15°C and -5°C is subject to specific operating conditions

OIL BALANCING CONTROL TECHNOLOGY

The outdoor units are designed to ensure oil balancing between the different modules, eliminating the need to install a dedicated connection pipe. This significantly simplifies installation operations.







Model				TAD-VRFODUM-8IT	TAD-VRFODUM-10IT	TAD-VRFODUM-12IT
Capacity	Size		HP	8	10	12
	Cooling		kW	22,4	28,0	33,5
	Heating		kW	25	31,5	37,5
Electrical parameters	Power supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Cooling	Nominal power input	kW	n.d.	n.d.	n.d.
		Nominal current	A	n.d.	n.d.	n.d.
	Heating	Nominal power input	kW	n.d.	n.d.	n.d.
		Nominal current	A	n.d.	n.d.	n.d.
		Max power	kW	12,9	13,2	14,0
		Max. current	A	27,0	27,5	28,0
Performance	EER*			4,38	3,7	3,44
	COP*			5,02	4,21	4,27
	SEER			7,5	7,2	7,2
	SCOP			4,6	4,6	4,6
	ηsc		%	296,6	285,4	283,0
	ηsh		%	181,8	181,0	179,8
	Air flow		m^3/h	9750	10500	11100
	Sound power (H)		dB(A)	78	79	82
	Sound pressure (H)		dB(A)	56	57	58
Installation	External dimensions (W/D/H)		mm	930/775/1690	930/775/1690	930/775/1690
	Packaging dimensions (W/D/H)		mm	1000/830/1855	1000/830/1855	1000/830/1855
	Net weight/with packaging		kg	210/220	210/220	210/220
	Compressor type			Inverter Scroll		
	N. of compressors			1		
	Refrigerant			R410A		
	Refrigerant charge		kg	5,5	5,5	5,5
	Co_2 equivalent T		T CO_2 eq	11,484	11,484	11,484
	Liquid piping		mm (inch)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Gas piping		mm (inch)	19.05 (3/4")	22.2 (7/8")	25.4 (1")
	Total equivalent piping length		m	1000	1000	1000
	Max. length of longest pipe (actual/equivalent)		m	200 / 240	200 / 240	200 / 240
	Standard height diff. I.U.& O.U		m	100 / 110	100 / 110	100 / 110
	Standard height diff. between I.U.		m	30	30	30
Connectivity	Connectivity percentage		%	50-135	50-135	50-135
	Max. number of indoor units			16	20	24
Working temperatures	Cooling		°C	-15~55 *	-15~55 *	-15~55 *
	Heating		°C	-30~27	-30~27	-30~27



TAD-VRFODUM-14IT	TAD-VRFODUM-16IT	TAD-VRFODUM-18IT	TAD-VRFODUM-20IT	TAD-VRFODUM-22IT	TAD-VRFODUM-24IT
14	16	18	20	22	24
40,0	45,0	50,4	56,0	61,5	68,0
45,0	50	56,5	63,0	69,0	76,5
380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
18,0	18,6	18,6	22,0	25,8	27,4
38,0	38,5	38,5	39,3	46,1	49,0
3,83	3,43	3,47	3,54	3,25	3,28
4,28	4,11	4,11	3,83	3,85	3,8
7,4	7,3	7,1	6,9	6,7	6,5
4,6	4,8	4,7	4,3	4,4	4,2
291,4	287,8	281,0	271,8	265,8	255,0
179,0	187,4	183,4	167,4	172,2	165,0
13500	15400	16000	16500	16500	18350
81	82	85	88	88	90
59	60	61	62	63	64
1340/775/1690	1340/775/1690	1340/775/1690	1340/775/1690	1340/775/1690	1340/775/1690
1400/830/1855	1400/830/1855	1400/830/1855	1400/830/1855	1400/830/1855	1400/830/1855
285/300	285/300	285/300	340/355	340/355	355/370
Inverter Scroll					
1					
R410A					
7,5	7,5	7,5	7,5	7,8	8,3
15,660	15,660	15,660	15,660	16,286	17,330
12.7 (1/2")	12.7 (1/2")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")
25.4 (1")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")	28.6 (1-1/8")
1000	1000	1000	1000	1000	1000
200 / 240	200 / 240	200 / 240	200 / 240	200 / 240	200 / 240
100 / 110	100 / 110	100 / 110	100 / 110	100 / 110	100 / 110
30	30	30	30	30	30
50-135	50-135	50-135	50-135	50-135	50-135
28	30	35	39	42	45
-15~55 *	-15~55 *	-15~55 *	-15~55 *	-15~55 *	-15~55 *
-30~27	-30~27	-30~27	-30~27	-30~27	-30~27

*EER/COP according to Standard (EN 14511), declared only for the purposes of the tax deductions in force
**All specifications are tested under nominal conditions (in cooling, indoor temperature is 27°C DB/19°C WB; outdoor temperature is 35°C DB/24WB; in heating, indoor temperature is 20°C DB; outdoor temperature is 7°C)



The VRF indoor unit range pairs with both Mini VRF and Modular VRF outdoor units. The range has been sized to respond optimally to comfort and air distribution needs, for residential and commercial buildings, the service sector and hotels.



INDOOR UNITS FOR MINI VRF AND MODULAR VRF



WALL-MOUNTED



CONSOLE



FLOOR
CEILING



8-WAY CASSETTE
60x60



8-WAY CASSETTE
90x90



LOW STATIC
PRESSURE
DUCTED



MEDIUM STATIC
PRESSURE
DUCTED



HIGH STATIC
PRESSURE
DUCTED

INDOOR UNITS



WALL-MOUNTED

- CAPACITY FROM 2.2 TO 7.1 KW
- HIGH-EFFICIENCY, LOW-CONSUMPTION DC MOTOR
- WIDE AIR DIFFUSION

Description	Unit	TAD-VRFHW-22IT		TAD-VRFHW-28IT		TAD-VRFHW-36IT		TAD-VRFHW-45IT		TAD-VRFHW-5OIT		TAD-VRFHW-56IT		TAD-VRFHW-71IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/49		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/49		220-240/1/50	
Nominal capacity (min.-max.) (EN14511)	kW	2,20	2,50	2,80	3,20	3,60	4,00	4,50	5,00	5,00	5,60	5,6	6,3	7,10	7,50
Sound pressure	dB(A)	35-33-30		35-33-30		38-35-31		43-40-37		42-38-36		43		44	
Sound power	dB(A)	45-43-40		45-43-40		48-45-41		53-50-47		52-48-46		n.a.		n.a.	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		9,52 (3/8")		9,52 (3/8")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		12,7 (1/2")		12,7 (1/2")		15,9 (5/8")		15,9 (5/8")	
Net dimensions (H/W/D)	mm	289/845/209		289/845/209		289/845/209		300/970/224		300/970/224		246/1078/325		246/1078/325	
Net weight	Kg	10,5		10,5		10,5		12,5		12,5		16		16	

EASY INSTALLATION

The most widely used air distribution type, thanks to its great positioning flexibility.

EASY MAINTENANCE

Not only the filter but also the front panel can be easily removed for more thorough cleaning.



AIR DISTRIBUTION

Thanks to the wide air distribution angle, maximum comfort can be achieved even in very large rooms.

INDOOR UNITS



CONSOLE

- CAPACITY FROM 2.8 TO 5.0 KW
- DOUBLE AIR OUTLET FOR A HIGH LEVEL OF COMFORT
- SIMPLIFIED INSTALLATION

Description	Unit	TAD-VRFCON-22IT		TAD-VRFCON-28IT		TAD-VRFCON-36IT		TAD-VRFCON-45IT		TAD-VRFCON-50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/49		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Nominal capacity (min.-max.) (EN14511)	kW	2,20	2,50	2,80	3,20	3,60	4,00	4,50	5,00	5,00	5,50
Air flow (h.-m.-l.)	m^3/h	400-320-270		400-320-270		480-400-310		630		680-600-500	
Sound pressure (h.m.l.)	dB(A)	38-33-27		38-33-27		40-37-32		46-43-39		46-43-39	
Sound power	dB(A)	51-46-48		51-46-40		53-50-45		59-56-52		59-56-52	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		12,7 (1/2")		12,7 (1/2")	
Net dimensions (H/W/D)	mm	600/700/215		600/700/215		600/700/215		600/700/215		600/700/215	
Net weight	Kg	16		16		16		16		16	



QUIET OPERATION

Thanks to the DC fan motor and its large diameter, large air volumes can be distributed with maximum quietness.



AIR DISTRIBUTION

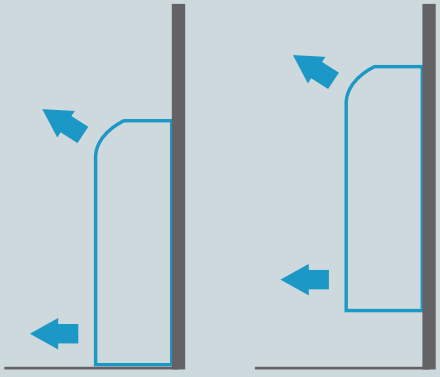
With the fan's double outlet, upper and lower, great temperature uniformity is ensured, improving comfort.

PREMIUM DESIGN

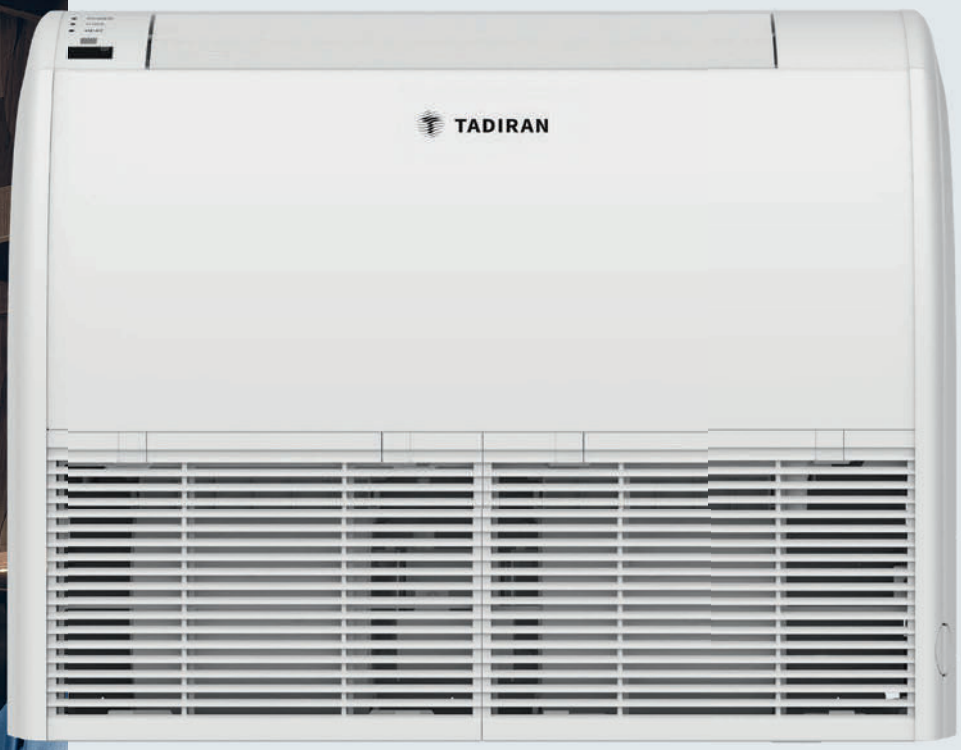
Easy to install, its uniform air distribution ensures ideal comfort and it looks aesthetically pleasing even in prestigious residential settings.

SIMPLIFIED INSTALLATION

It can be installed on the floor or slightly suspended for an even more elegant look.



INDOOR UNITS



FLOOR CEILING

- CAPACITY FROM 2.8 TO 7.1 KW
- AIR DISTRIBUTION WITH HORIZONTAL AND VERTICAL SWING
- DC INVERTER FAN MOTOR

Description	Unit	TAD-VRFFC-28IT		TAD-VRFFC-36IT		TAD-VRFFC-56IT		TAD-VRFFC-71IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Nominal capacity (min.-max.) (EN14511)	kW	2,80	3,20	3,60	4,00	5,60	6,30	7,10	8,00
Air flow (h.-m.-l.)	m^3/h	600		600		750		1350	
Sound pressure (h.m.l.)	dB(A)	36		36		42		44	
Sound power	dB(A)	n.d.		n.d.		n.d.		n.d.	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		9,52 (3/8")		9,52 (3/8")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		12,7 (1/2")		15,9 (5/8")		15,9 (5/8")	
Net dimensions (H/W/D)	mm	235/870/665		235/870/665		235/870/665		235/1200/665	
Net weight	Kg	24		24		25		32	

ANTI-FREEZE PROTECTION

System equipped with anti-freeze protection, fan motor overload protection and safeguard in case of temperature sensor anomalies.

DC INVERTER MOTOR

Thanks to a high speed-regulation capability, this motor offers 30% improved efficiency compared with traditional motors.

AIR DISTRIBUTION

With both horizontal and vertical swing movement. The swing amplitude is greater, ensuring superior comfort in domestic and working environments.





INDOOR UNITS



8-WAY CASSETTE 60x60

- CAPACITY FROM 1.8 TO 5.6 KW
- BUILT-IN CONDENSATE LIFT PUMP
- INDEPENDENT LOUVRE CONTROL

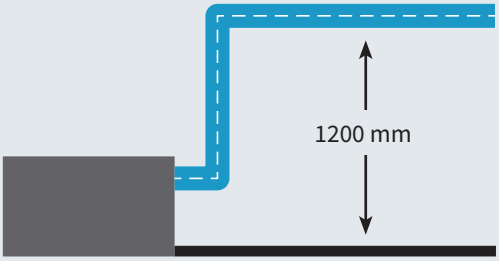
Description	Unit	TAD-VRFCCAS-18IT		TAD-VRFCCAS-22IT		TAD-VRFCCAS-28IT		TAD-VRFCCAS-36IT		TAD-VRFCCAS-45IT		TAD-VRFCCAS-50IT		TAD-VRFCCAS-56IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Nominal capacity (min.-max.) (EN14511)	kW	1.80	2.20	2,2	2,5	2.80	3.20	3.60	4.00	4,5	5,0	5,0	5,6	5.60	6.30
Air flow (h.-m.-l.)	m^3/h	460/420/370		500-460-370		570/480/420		620/550/480		730-650-560		730-650-560		730/650/560	
Sound pressure (h.m.l.)	dB(A)	33/30/25		36/31/25		36/33/28		39/37/35		43/41/39		43/41/39		43/41/39	
Sound power (h.m.l.)	dB(A)	51/48/43		n.d.		54/51/46		57/55/53		61/59/57		61/59/57		61/59/57	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		9,52 (3/8")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		12,7 (1/2")		12,7 (1/2")		12,7 (1/2")		15,9 (5/8")	
Unit net dimensions (H/W/D)	mm	265/570/570		265/570/570		265/570/570		265/570/570		265/570/570		265/570/570		265/570/570	
Panel net dimensions (H/W/D)	mm	47,5/620/620		47,5/620/620		47,5/620/620		47,5/620/620		47,5/620/620		47,5/620/620		47,5/620/620	
Unit net weight	Kg	17,5		17,5		17,5		17,5		17,5		17,5		17,5	
Panel net weight	Kg	3,0		3,0		3,0		3,0		3,0		3,0		3,0	

NEW DESIGN FOR HIGH QUIETNESS

The internal profiles and the impeller have been designed for even greater quietness, reaching 25 db(A).

SELF-PROTECTION FUNCTIONS

The unit is equipped with protections against condensate leaks, anti-freeze and fan motor protection, to ensure a long product life.



BUILT-IN CONDENSATE LIFT PUMP

Very quiet, it can lift condensate up to 1,200 mm from the bottom of the cassette.

INDEPENDENT LOUVRES

The 4 louvres can be controlled individually to create customized air distribution (requires the wired controller).





8-WAY CASSETTE 90x90

- CAPACITY FROM 2.2 TO 16.0 kW
- BUILT-IN CONDENSATE LIFT PUMP
- INDEPENDENT LOUVRE CONTROL

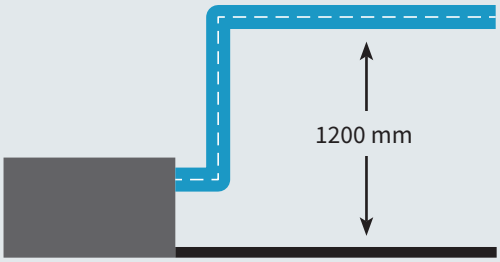
Description	Unit	TAD-VRFCAS-22IT		TAD-VRFCAS-28IT		TAD-VRFCAS-36IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50	
Nominal capacity (min.-max.) (EN14511)	kW	2,2	2,5	2,80	3,20	3,60	4,00
Air flow (h.-m.-l.)	m^3/h	800-700-600		800-700-600		800-700-600	
Sound pressure (h.m.l.)	dB(A)	32-29-27		32-29-27		32-29-27	
Sound power (h.m.l.)	dB(A)	43-41-38		43-41-38		43-41-38	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12,7 (1/2")	
Unit net dimensions (H/W/D)	mm	200/840/840		200/840/840		200/840/840	
Panel net dimensions (H/W/D)	mm	65/950/950		65/950/950		65/950/950	
Unit net weight	Kg	19		19		19	
Panel net weight	Kg	6		6		6	

NEW DESIGN FOR HIGH QUIETNESS

The internal profiles and the impeller have been designed for even greater quietness, reaching 25 db(A).

SELF-PROTECTION FUNCTIONS

The unit is equipped with protections against condensate leaks, anti-freeze and fan motor protection, to ensure a long product life.



BUILT-IN CONDENSATE LIFT PUMP

Very quiet, it can lift condensate up to 1,200 mm from the bottom of the cassette.

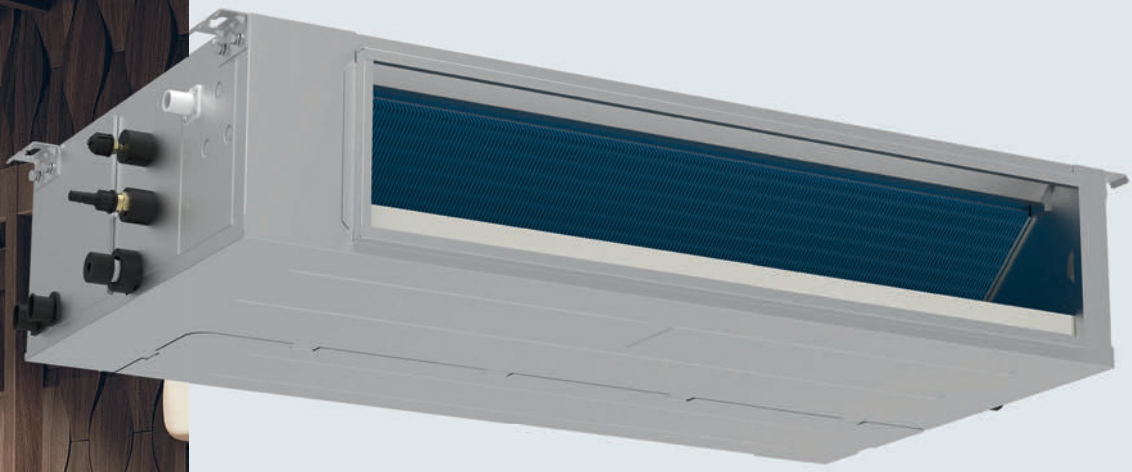
INDEPENDENT LOUVRES

The 4 louvres can be controlled individually to create customized air distribution (requires the wired controller).



TAD-VRFCAS-45IT		TAD-VRFCAS-56IT		TAD-VRFCAS56AIT		TAD-VRFCAS-71IT		TAD-VRFCAS-90IT		TAD-VRFCAS-100IT		TAD-VRFCAS-112IT		TAD-VRFCAS-125IT		TAD-VRFCAS-160IT	
Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
4,50	5,00	5,00	5,60	5,6	6,3	7,1	8,0	9,0	10,0	10,0	11,2	11,2	12,5	12,5	14,0	16,0	18,0
900-800-700		900-800-700		1100-935-850		1100-935-850		1400-1000-900		1450-1200-1100		1450-1200-1100		1800-1450-1150		2000-1800-1430	
35-30-27		35-30-27		37-35-32		37-35-32		40-36-31		42-39-35		42-39-35		46-41-35		51-48-42	
45-37-36		45-37-36		52-49-47		52-49-47		53-50-45		58-51-49		58-51-49		60-55-47		60-55-47	
6,35 (1/4")		6,35 (1/4")		9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		9,52 (3/8")	
12,7 (1/2")		12,7 (1/2")		15,9 (5/8")		15,9 (5/8")		15,9 (5/8")		15,9 (5/8")		15,9 (5/8")		15,9 (5/8")		19,05 (3/4")	
200/840/840		200/840/840		200/840/840		200/840/840		200/840/840		200/840/840		200/840/840		200/840/840		200/840/840	
65/950/950		65/950/950		65/950/950		65/950/950		65/950/950		65/950/950		65/950/950		65/950/950		65/950/950	
19		19		25		25		27		27		27		29,5		36	
6		6		6		6		6		6		6		6		6	

INDOOR UNITS



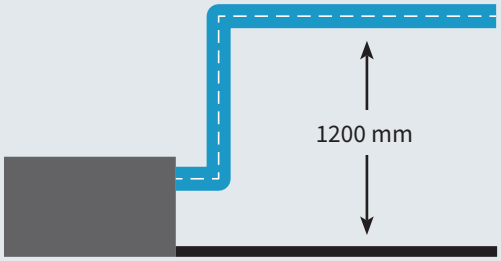
LOW STATIC PRESSURE DUCTED

- CAPACITY FROM 2.8 TO 7.1 kW
- STATIC PRESSURE UP TO 50 Pa
- BUILT-IN CONDENSATE LIFT PUMP

Description	Unit	TAD-VRFLSLIM-22IT		TAD-VRFLSLIM-28IT		TAD-VRFLSLIM-36IT		TAD-VRFLSLIM-45IT		TAD-VRFLSLIM-50IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50	
Nominal capacity (EN14511)	kW	2,2	2,5	2,8	3,2	3,6	4,0	4,5	5,0	5,0	5,6
Air flow	m^3/h	450		450		550		750		750	
Available static pressure	Pa	5/0-30		5/0-50		5/0-50		5/0-50		5/0-50	
Sound pressure (h.-m.-l.)	dB(A)	30		29-26-24		30-27-25		33-31-27		33-31-27	
Sound power	dB(A)	50-47-45		50-47-45		53-50-48		53-50-48		53-50-48	
Liquid pipe diameter	mm (inch)	6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		12 (1/2")		12 (1/2")		12 (1/2")	
Net dimensions (H/W/D)	mm	198/540/462		198/540/462		198/700/462		198/900/462		198/900/462	
Net weight	Kg	13		13		15		19		19	

7 AIR FLOW LEVELS

The DC motor can select 7 air flow levels, adapting noise and air volume to the characteristics of the system.



ADJUSTABLE 80 Pa STATIC PRESSURE

The static pressure can be adjusted up to 80 Pa with 5 selectable pressure steps.

CONDENSATE LIFT PUMP

It can lift condensate 1,200 mm from the bottom of the ducted unit.

OUTDOOR AIR

An inlet is available to introduce fresh outdoor air into the room.

FLEXIBLE INSTALLATION

The return can be arranged from the rear or from below.





INDOOR UNITS



MEDIUM STATIC PRESSURE DUCTED

- CAPACITY FROM 7.1 TO 14.0 kW
- STATIC PRESSURE ADJUSTABLE UP TO 80 Pa
- SLIM PROFILE, ONLY 260 mm HIGH

Description	Unit	TAD-VRFMSLIM-71IT		TAD-VRFMSLIM-90IT		TAD-VRFMSLIM-112IT		TAD-VRFMSLIM-140IT	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/51	
Nominal capacity (EN14511)	kW	7,1	8,0	9,0	10,0	11,2	12,5	14,0	16,0
Air flow	m^3/h	1100/900/700		1700/1500/1100		1700/1500/1100		2000/1700/1400	
Available static pressure	Pa	50/0-80		50/0-80		50/0-80		50/0-80	
Sound pressure (h.-m.-l.)	dB(A)	37/34/31		40/36/32		40/36/32		42/40/37	
Sound power	dB(A)	59/55/53		60/56/54		60/56/54		61/57/54	
Liquid pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")		9,52 (3/8")		9,52 (3/8")	
Gas pipe diameter	mm (inch)	15,9 (5/8")		15,9 (5/8")		15,9 (5/8")		15,9 (5/8")	
Net dimensions (H/W/D)	mm	260/900/655		260/1340/655		260/1340/655		260/1340/655	
Net weight	Kg	29,5		43,5		43,5		43,5	



MEDIUM STATIC PRESSURE

The static pressure can reach 80 Pa, making it particularly suitable for rooms requiring air distribution over large areas.



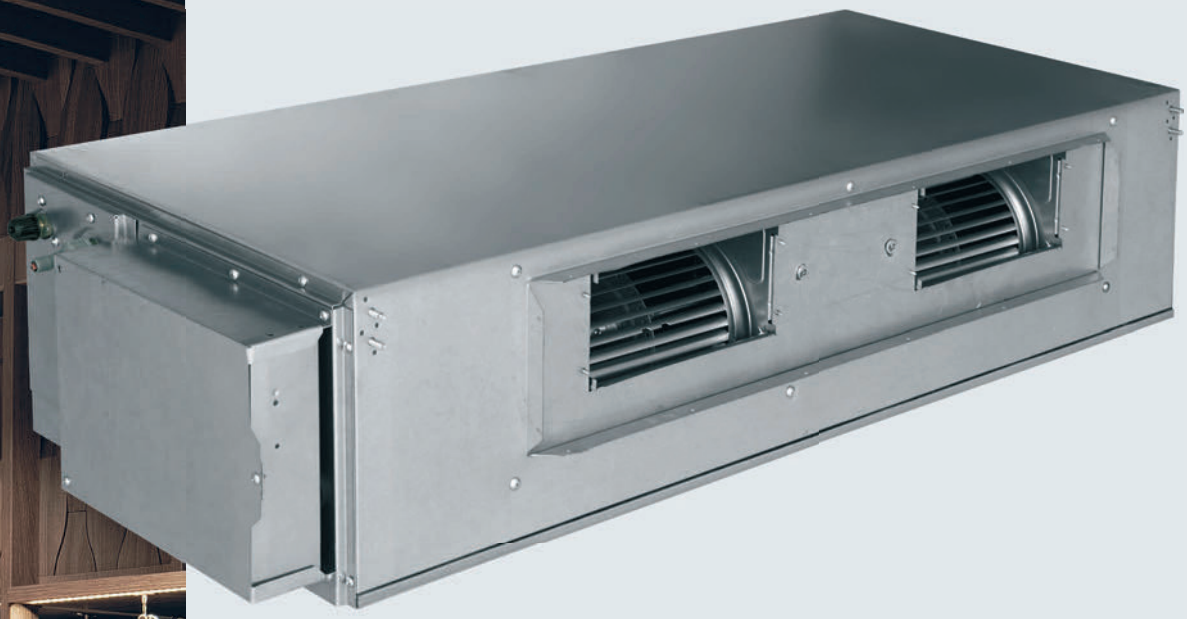
FLEXIBLE INSTALLATION

You can opt for a duct with a circular or rectangular section, depending on specific needs, or select different air return arrangements.

SIMPLE MAINTENANCE

The system is equipped with an access door that makes maintenance operations easier and faster.

INDOOR UNITS



HIGH STATIC PRESSURE DUCTED

- 2 MODELS OF 22.4 AND 28 kW FOR LARGE AREAS
- STATIC PRESSURE ADJUSTABLE UP TO 200 Pa
- ACCESS PANELS FOR EASY MAINTENANCE

Description	Unit	TAD-VRFBDUC-224IT		TAD-VRFBDUC-280IT	
		Cooling	Heating	Cooling	Heating
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50	
Nominal capacity (EN14511)	kW	22,4	25,0	28,0	31,0
Air flow	m^3/h	4000		4400	
Available static pressure	Pa	100 - (50-200)		100 - (50-200)	
Sound pressure (h.-m.-l.)	dB(A)	54		55	
Sound power	dB(A)	64/62/59		65/62/60	
Liquid pipe diameter	mm (inch)	9,52 (3/8")		9,52 (3/8")	
Gas pipe diameter	mm (inch)	19,05 (5/8")		22,2 (7/8")	
Net dimensions (H/W/D)	mm	385/1483/791		450/1686/870	
Net weight	Kg	82		105	



STATIC PRESSURE

High nominal external static pressure, adjustable from 50 to 250 Pa, manually or automatically: this feature is very important for applications requiring a very long air throw.

9 LEVELS

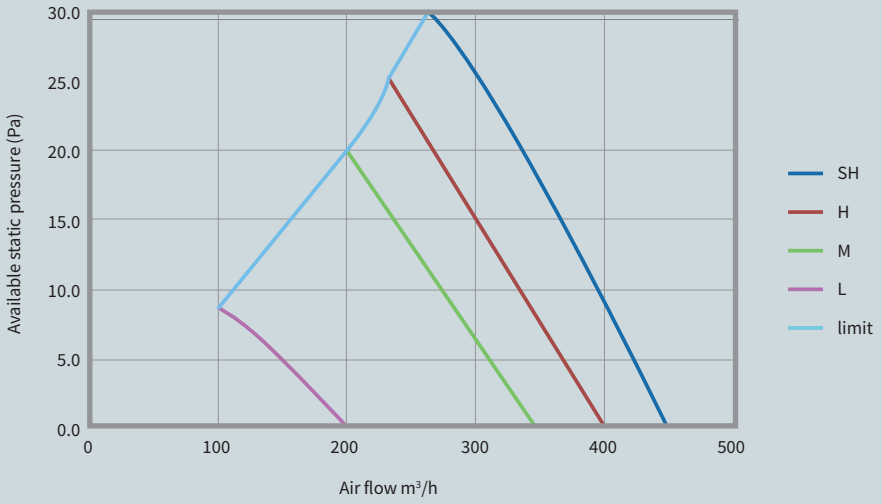
9 selectable static pressure levels, depending on the installation.



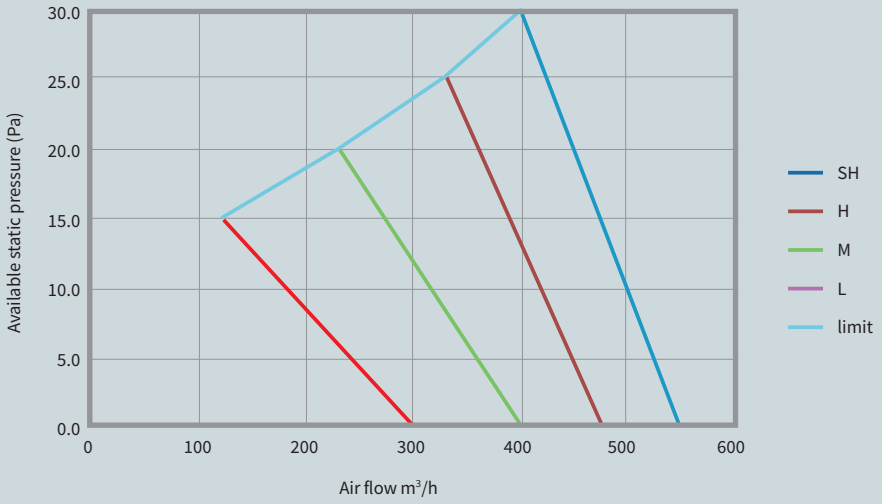
DUCTED UNIT CURVES

LOW STATIC PRESSURE

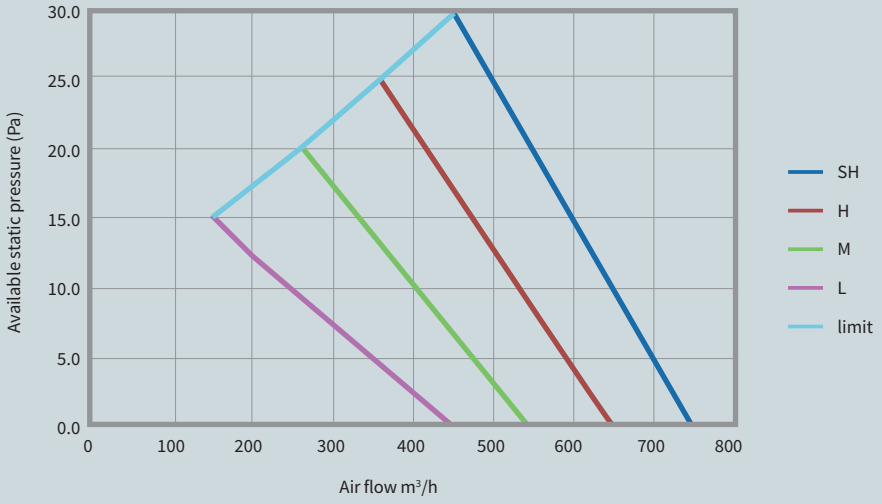
MODEL
TAD-VRFLSLIM-22IT
TAD-VRFLSLIM-28IT



MODEL
TAD-VRFLSLIM-36IT

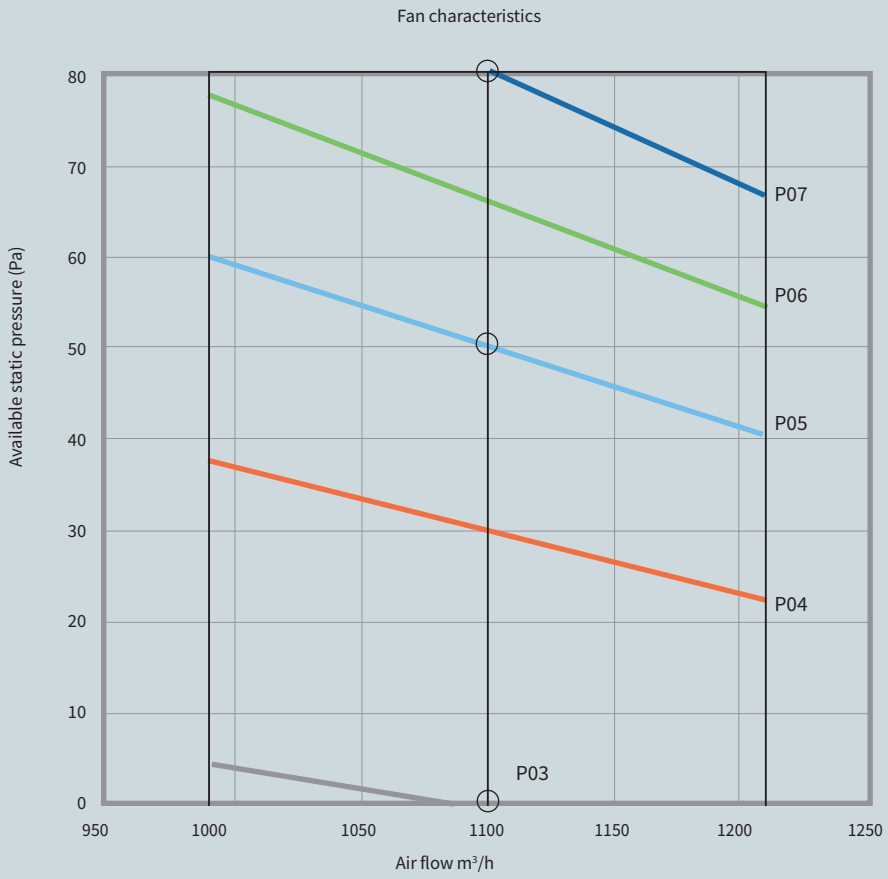


MODEL
TAD-VRFLSLIM-45IT
TAD-VRFLSLIM-50IT

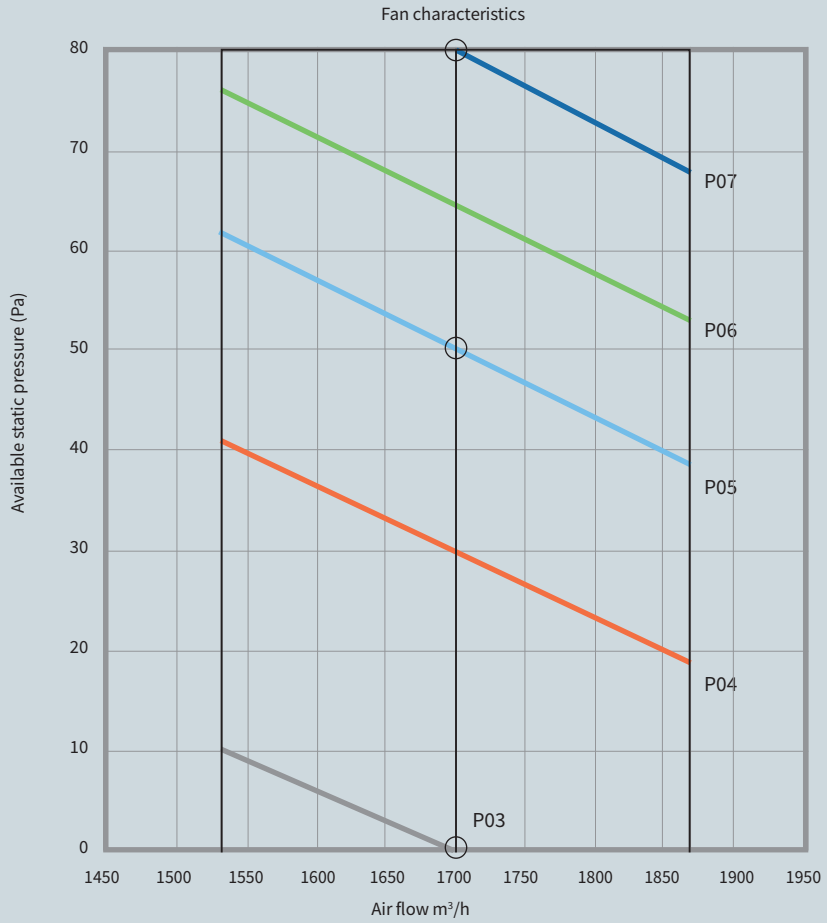


DUCTED UNIT CURVES
MEDIUM STATIC PRESSURE

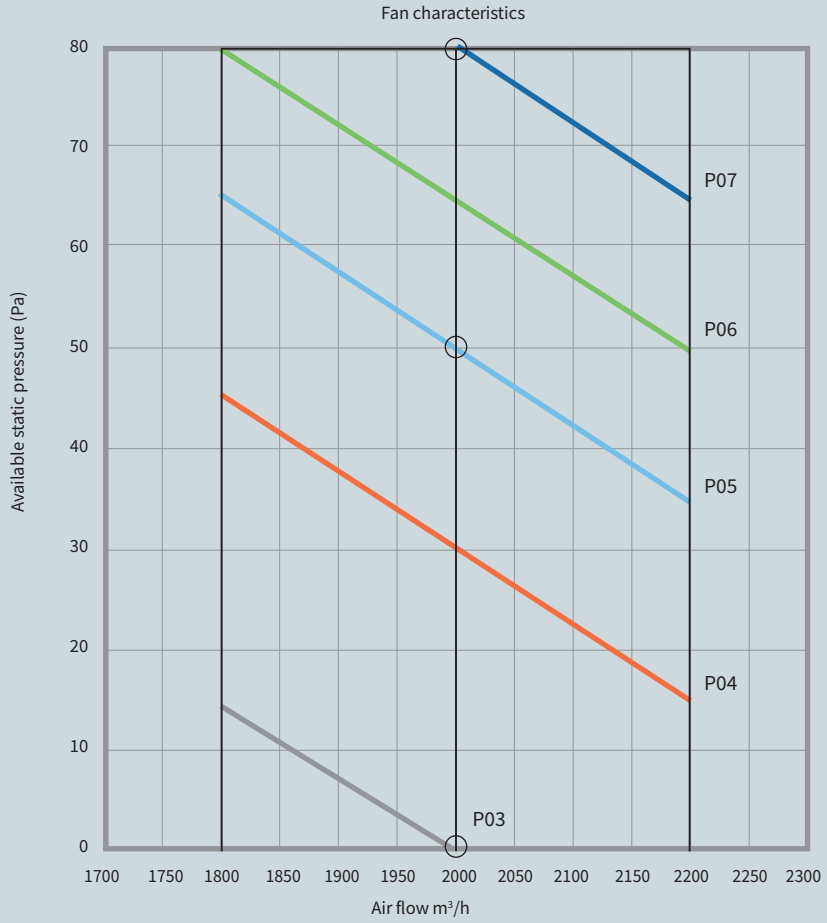
MODEL
TAD-VRFMSLIM-71IT



MODEL
TAD-VRFMSLIM-90IT
TAD-VRFSLIM-112IT



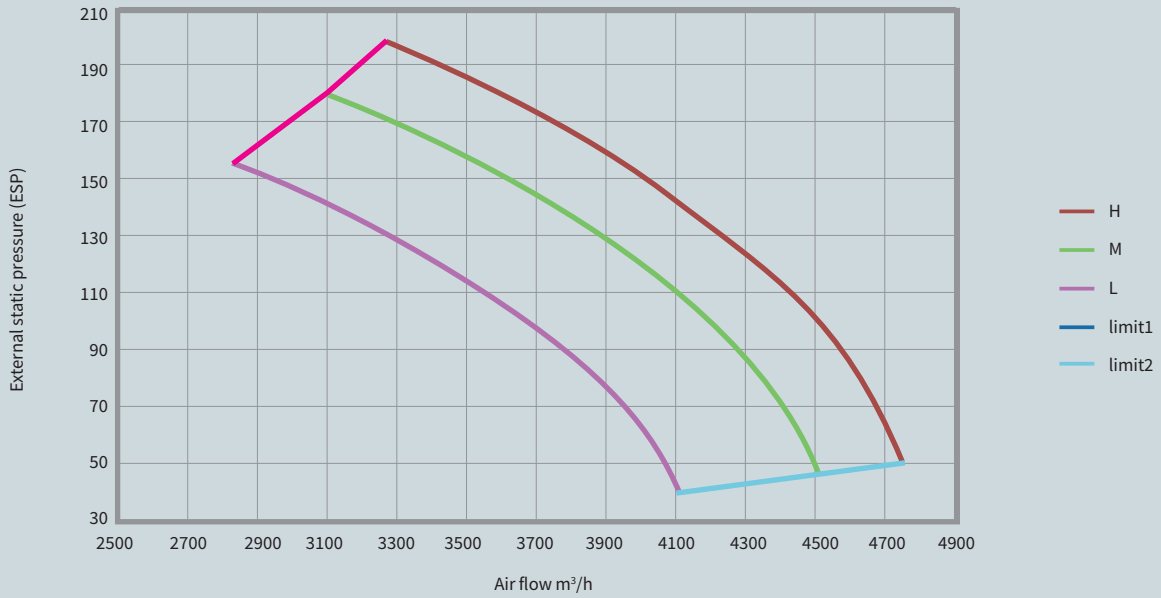
MODEL
TAD-VRFSLIM-140IT



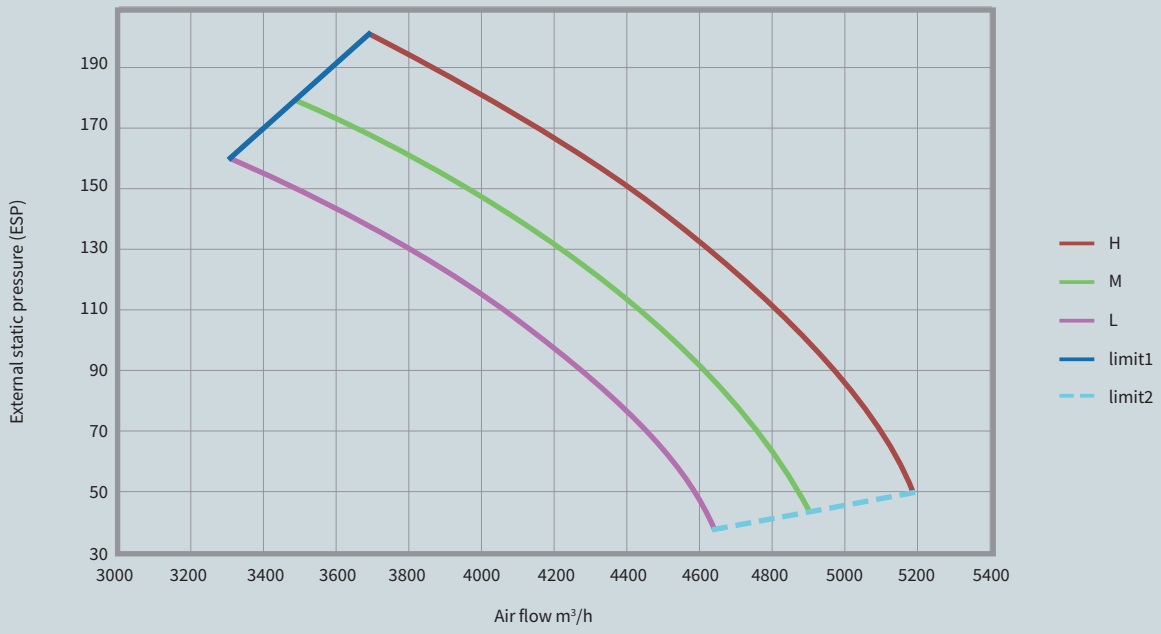
DUCTED UNIT CURVES

HIGH STATIC PRESSURE

MODEL
TAD-VRFBDUC-224IT



MODEL
TAD-VRFBDUC-280IT





CONTROLS AND ACCESSORIES



Standard for indoor unit
WALL-MOUNTED, CONSOLE, CASSETTE



Standard wired controller
for indoor unit
DUCTED



TAD-VRF-WCIT

Ooptional wired controller
for indoor unit
WALL-MOUNTED, CONSOLE, CASSETTE
Required for Wi-Fi connections.



TAD-MUL-CCIT

Centralized controller
MINI VRF - Max 255 units

- High-resolution colour LCD: 7” capacitive touch screen
- Control and management of up to 255 connectable indoor units
- Recessed wall installation protruding only 11 mm
- Setting functions, parameter display, fault logging and access management

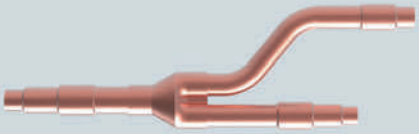
JOINTS AND HEADERS



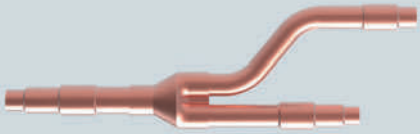
TAD-C-14H1
Header for up to 4 indoor units



TAD-C-18H1
Header for up to 8 indoor units

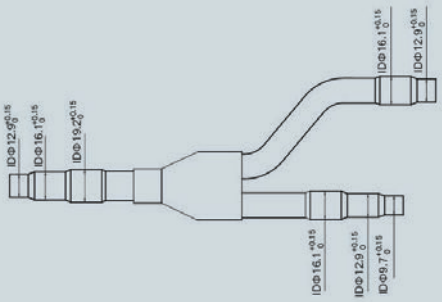


TAD-Y-01AA20
Pair of Y-joints up to 20KW

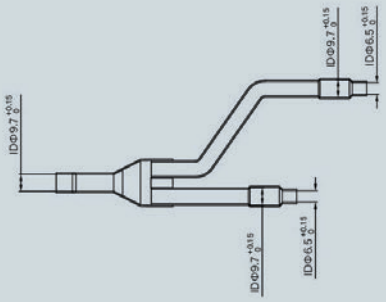


TAD-Y-01BA30
Pair of Y-joints from 20KW to 30KW

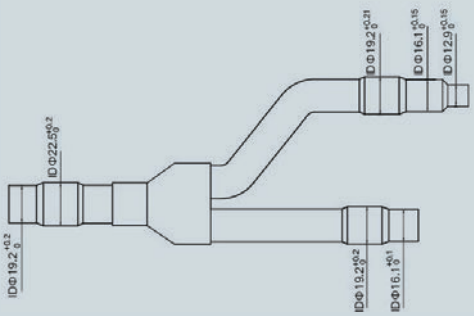
Gas



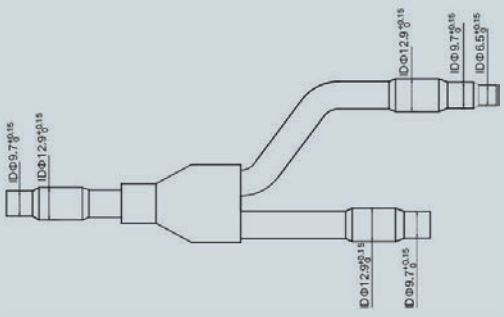
Liquid



Gas



Liquid



JOINTS AND HEADERS



TAD-Y-02A70

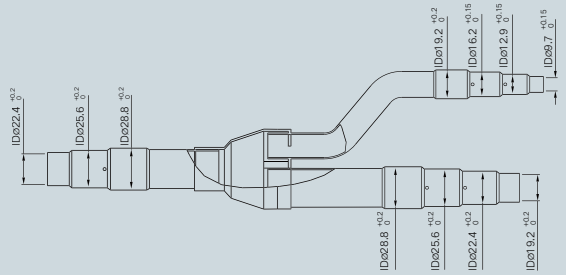
Pair of Y-joints from 30KW to 70KW



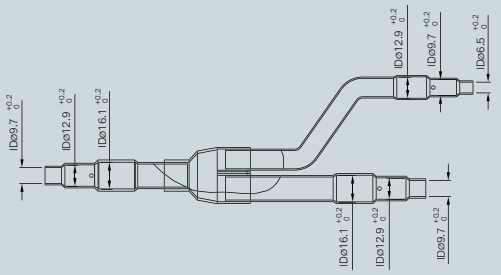
TAD-Y-03A136

Pair of Y-joints from 70KW to 136KW

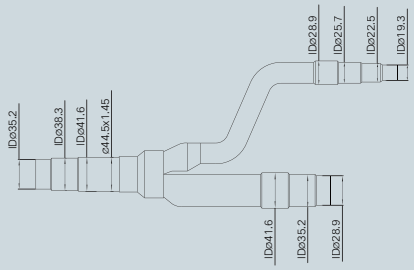
Gas



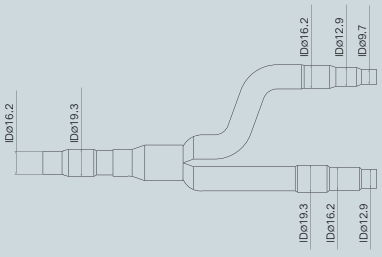
Liquid



Gas



Liquid



JOINTS AND HEADERS



TAD-Y-04A272

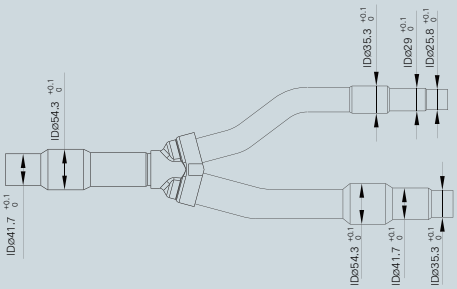
Pair of Y-joints from 136KW to 272KW



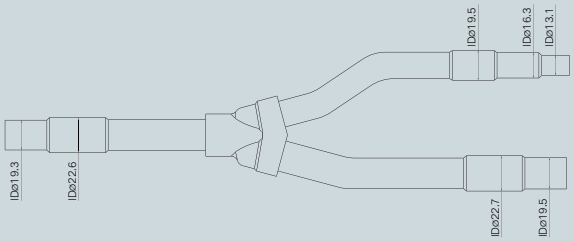
TAD-Y-05A

Pair of Y-joints > 272KW

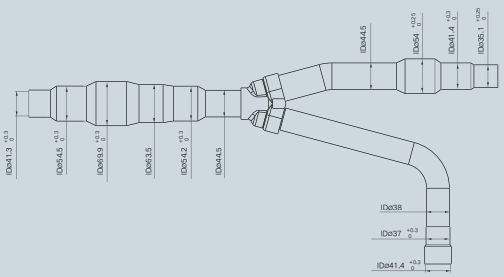
Gas



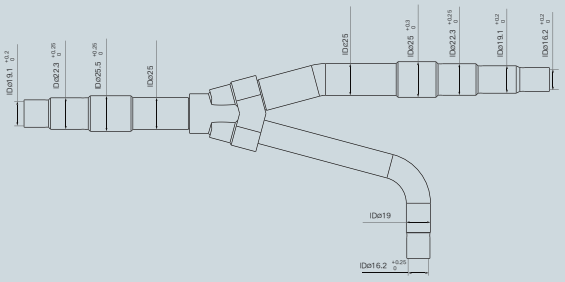
Liquid



Gas



Liquio



JOINTS AND HEADERS



TAD-Y-M01A68

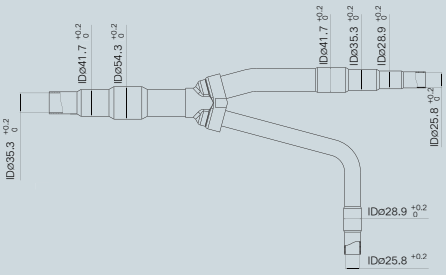
Pair of Y-joints for outdoor units



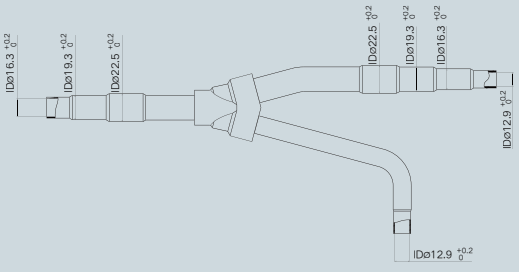
TAD-Y-M02A

Pair of Y-joints for outdoor units

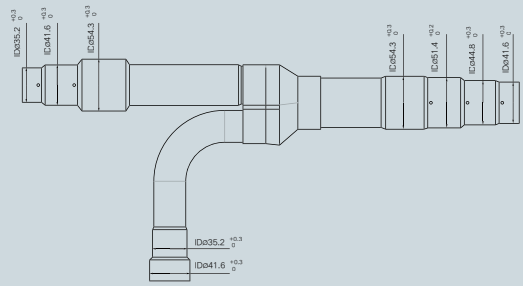
Gas



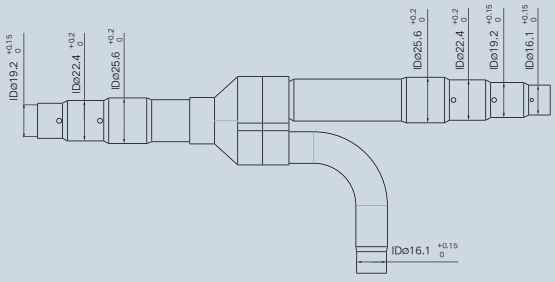
Liquid



Gas



Liquid



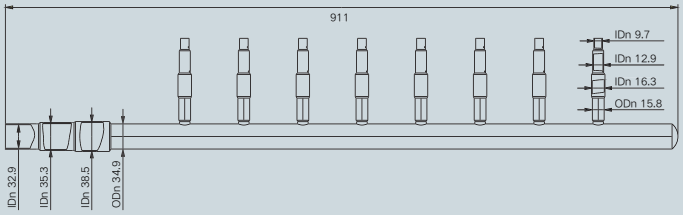
JOINTS AND HEADERS



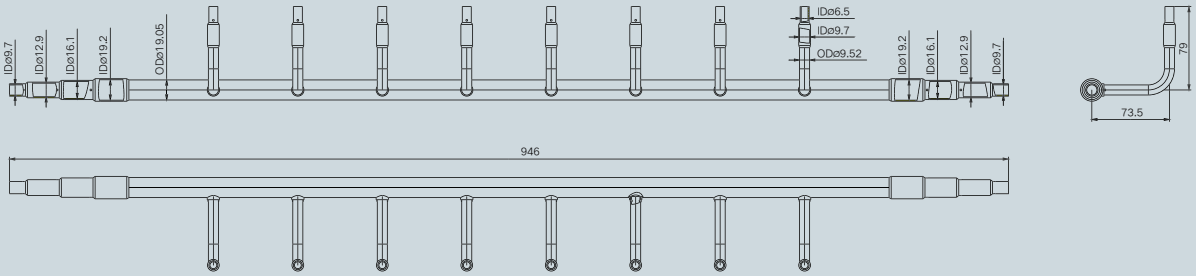
TAD-C-18H2

Header for up to 8 indoor units above 68 kW

Gas



Liquid







HEAT PUMPS AIR TO WATER

The Tadiran heat pump range is among the most complete on the market.

The monobloc units are offered with both R32 refrigerant and R290, alongside the R32 Split range with the indoor module that fits easily into a wall cabinet in the home.

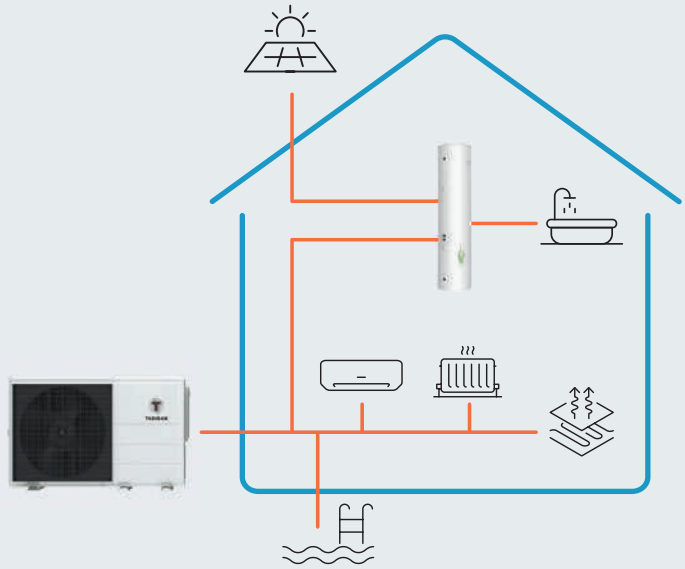
The range is completed by the new R290 Hydro Split with hydronic connections between outdoor and indoor units, the latter equipped with an integrated 200L tank.

SELECTION TABLES

		Single-phase						Three-phase				
	kW==>	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	14,0	16,0
Monobloc ATWM	**R32**		TAD-ATWM052IT		TAD-ATWM072IT		TAD-ATWM092IT		TAD-ATWMT11IT		TAD-ATWMT14IT	TAD-ATWMT16IT
Monobloc ATWM29	**R290**	TAD-ATW29M042IT		TAD-ATW29M062IT		TAD-ATW29M082IT		TAD-ATW29MT102T		TAD-ATW29MT12IT	TAD-ATW29MT14IT	TAD-ATW29MT16IT

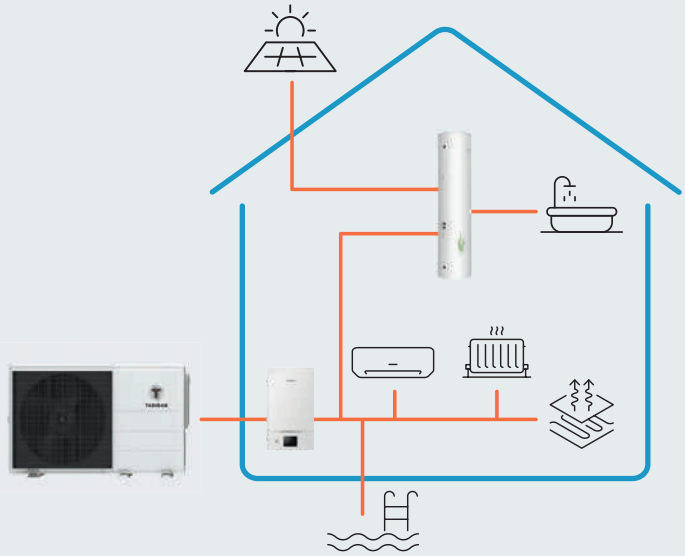
		Single-phase				Three-phase		
	kW==>	4,0	6,0	8,0	10,0	12,0	14,0	16,0
Split system ATWS		**TAD-ATWS062IT**	**TAD-ATWS062IT**	**TAD-ATWS102IT**	**TAD-ATWS102IT**			
Split Indoor U.	**R32**	TAD-ATWSIDU062IT	TAD-ATWSIDU062IT	TAD-ATWSIDU102IT	TAD-ATWSIDU102IT			
Split Outdoor U.		TAD-ATWSODU042IT	TAD-ATWSODU062IT	TAD-ATWSODU082IT	TAD-ATWSODU102IT			
Hydro Split Combi System ATWA		**TAD-ATWA042IT**	**TAD-ATWA062IT**	**TAD-ATWA082IT**	**TAD-ATWA102IT**	**TAD-ATWAT12IT**	**TAD-ATWAT14IT**	**TAD-ATWAT16IT**
Hydro Split Combi Indoor U.	**R290**	TAD-ATWAIDU102IT	TAD-ATWAIDU102IT	TAD-ATWAIDU102IT	TAD-ATWAIDU102IT	TAD-ATWAIDUT162IT	TAD-ATWAIDUT162IT	TAD-ATWAIDUT162IT
Hydro Split Combi Outdoor U.		TAD-ATWAODU042IT	TAD-ATWAODU062IT	TAD-ATWAODU082IT	TAD-ATWAODU102IT	TAD-ATWAODUT12IT	TAD-ATWAODUT14IT	TAD-ATWAODUT16IT

	Monobloc ATWM R32	Monobloc ATWM29 R290	Split ATWS R32	Hydro Split Combi ATWA R290
Max flow temperature	60°C	80°C	60°C	80°C
2-Zone control	X	X	X	X
Fast DHW heating	X	X	X	X
Quiet mode	X	X	X	X
Climate curve	X	X	X	X
Anti-legionella cycle	X	X	X	X
Smart Grid	X	X	X	X
Modbus	X	X	X	X
Holiday mode	X	X	X	X
Solar thermal management	X	X	X	X
Swimming pool function	X	X	X	X
Cascade control	X	X	X	X
Radiant floor drying	X	X	X	X
Anti-freeze	X	X	X	X
Pump anti-blocking cycle	X	X	X	X
Alarm history	X	X	X	X



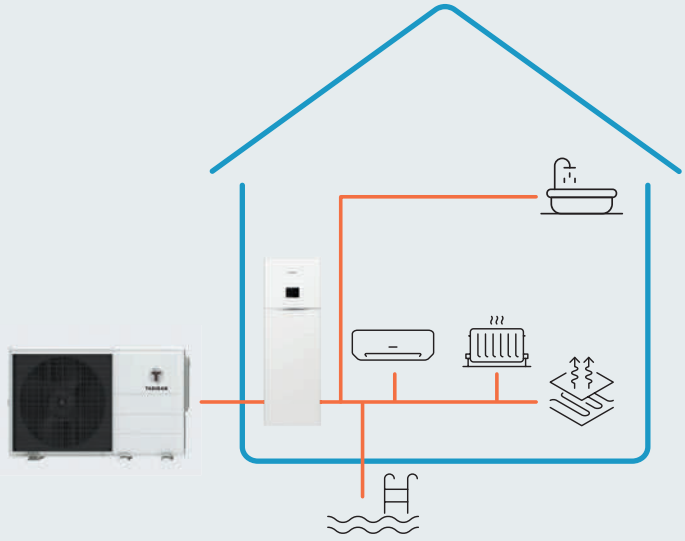
HEAT PUMPS MONOBLOC

Monobloc-type heat pumps include all the hydraulic components in the outdoor unit only.



HEAT PUMPS SPLIT

In split-type heat pumps, made up of an outdoor unit and an indoor unit, heat is exchanged between refrigerant and water in the heat exchanger of the indoor unit.



HEAT PUMPS HYDRO SPLIT

Hydro Split heat pumps consist of an outdoor unit and a floor-standing indoor unit with a built-in storage tank. They include all the hydraulic components, and the connections between outdoor and indoor units are hydronic.





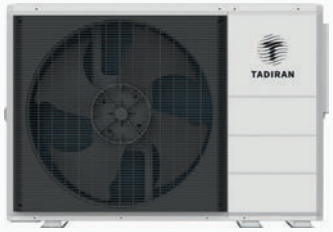
AIR TO WATER HEAT PUMPS **R290**

Air to water heat pumps are designed for heating, cooling and domestic hot water production. They use the natural refrigerant R290.
A complete range, available in 14 sizes across two different types: Monobloc and Hydro Split, in single-phase and three-phase versions, for residential and commercial use.

MONOBLOC

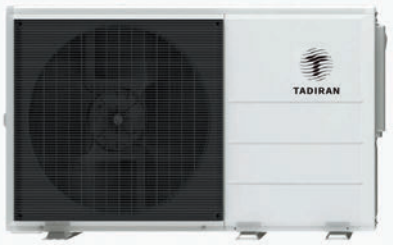
SINGLE-PHASE

TAD-ATW29M042IT
TAD-ATW29M062IT
TAD-ATW29M082IT
TAD-ATW29M102IT



THREE-PHASE

TAD-ATW29MT12IT
TAD-ATW29MT14IT
TAD-ATW29MT16IT



HYDRO SPLIT ATWA



INDOOR MODULE

TAD-ATWAIDU102IT
TAD-ATWAIDUT162IT

OUTDOOR UNITS

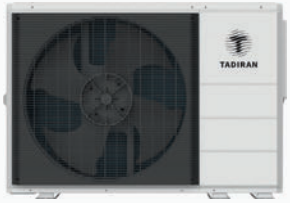
SINGLE-PHASE

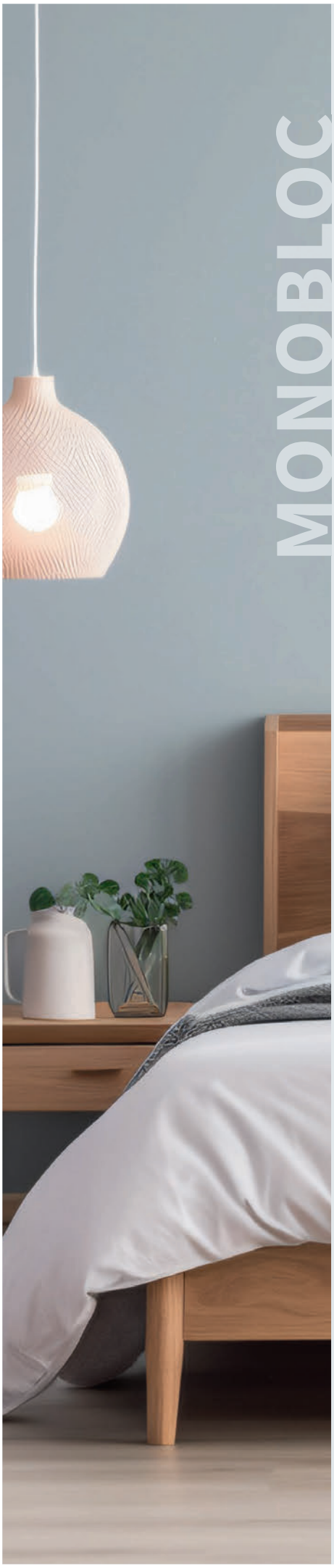
TAD-ATWAODU042IT
TAD-ATWAODU062IT
TAD-ATWAODU082IT
TAD-ATWAODU102IT

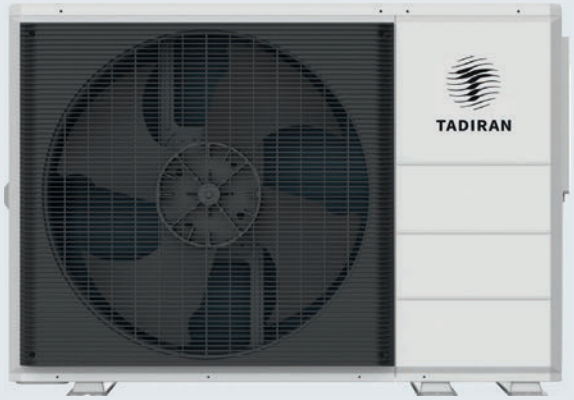


THREE-PHASE

TAD-ATWAODUT12IT
TAD-ATWAODUT14IT
TAD-ATWAODUT16IT







R290 SINGLE-PHASE

TAD-ATW29MCONIT

- INVERTER MONOBLOC HEAT PUMP
- NATURAL REFRIGERANT R290
- COP UP TO 5.50
- QUIETNESS DOWN TO 44 DB(A)
- CAPACITY FROM 4 TO 8 KW
- STANDARD CONTROLLER
- STANDARD Y-FILTER
- SMART GRID READY AS STANDARD
- WIFI MY TADIRAN AS STANDARD



R290 THREE-PHASE

TAD-ATW29MCONIT

- INVERTER MONOBLOC HEAT PUMP
- NATURAL REFRIGERANT R290
- COP UP TO 5.10
- QUIETNESS DOWN TO 49 DB(A)
- CAPACITY FROM 10 TO 16 KW
- STANDARD CONTROLLER
- STANDARD Y-FILTER
- SMART GRID READY AS STANDARD
- WIFI MY TADIRAN AS STANDARD



R290
NATURAL REFRIGERANT

Propane (R290) is a natural refrigerant with a very low GWP (Global Warming Potential) of just 3.
This means it has a minimal environmental impact and is not an HFC (hydrofluorocarbon).
The new Tadiran heat pumps and heat pump water heaters provide heating, cooling
and domestic hot water production up to 75°C!
This makes them an excellent option even in renovation projects.

CONSTANT CAPACITY

The heat pumps can operate normally even at -25°C outdoors, and the heating capacity remains constant down to -10°C.

SAFETY PROTECTIONS

A special separation device between the refrigerant and the water side prevents the refrigerant from mixing with the water or entering the room.
The electronic boards have a special protection against fire risks to ensure maximum safety.

ENERGY EFFICIENCY

The SCOP with water at 35°C/55°C reaches Class A+++.

HOT WATER PRODUCTION AT 80°C

The unit can produce hot water at 80°C, making it an ideal solution even with high-temperature terminals.

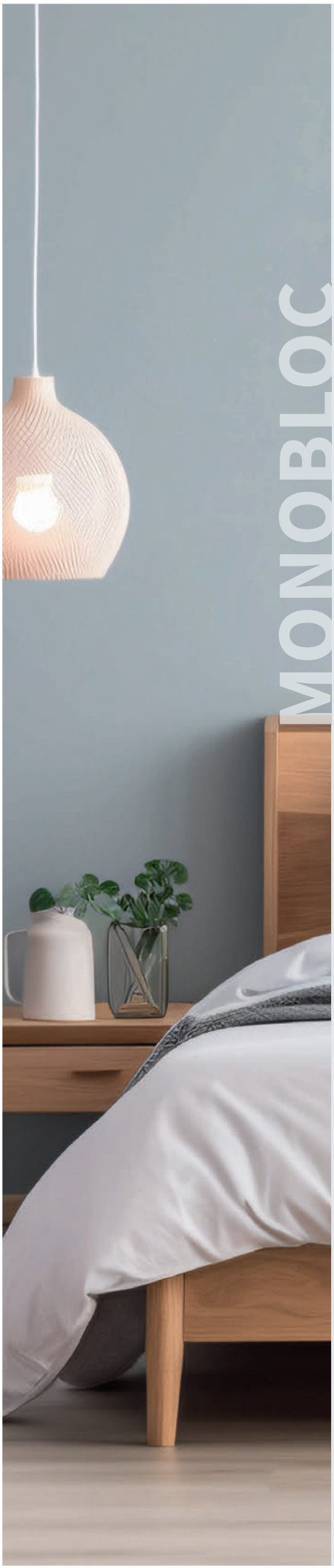
HIGH QUIETNESS

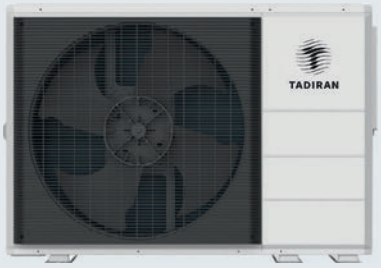
These monobloc units have a sound pressure at 3m of just 35 db(A).

MY TADIRAN

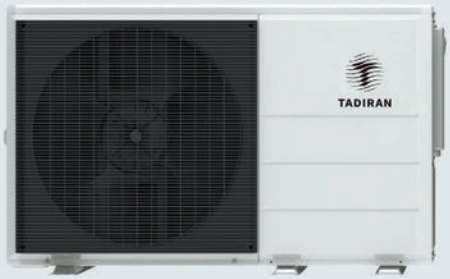
The dedicated MY TADIRAN APP allows you to remotely control all the functions of the heat pump and to keep in constant contact with technical support.







Description		Unit	TAD-ATW29M042IT
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4,00
	Power Input	kW	0,73
	COP	W/W	5,50
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4,00
	Power Input	kW	1,19
	COP	W/W	3,35
Heating Average Climate water outlet 35°C	SCOP	~	5,10
	ηs	%	201
	Energy Class	-	A+++
Heating Average Climate water outlet 55°C	SCOP	-	3,85
	ηs	%	151
	Energy Class	-	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4,00
	Power Input	kW	0,79
	EER	-	5,05
Cooling (LWT 7°C/ OAT 35°C)	Capacity	kW	3,50
	Power Input	kW	0,95
	EER	-	3,70
Outdoor operating temperature	Heating	°C	-25 ~35
	Cooling	°C	10 ~ 48
Water outlet temperatures	Heating	°C	20~80
	Cooling	°C	5~25
Expansion vessel		L	4,5
Minimum system water content		L	20
Storage temperature	DHW	°C	25~75
Water side connections	Inlet/Outlet	inches	1F"
Compressor	Quantity	-	1
	Type	-	DC inverter twin rotary
Refrigerant	Type	-	R290
	Charge/CO_2 Eq.	kg/T	0,8/2,4
Net dimensions	HxWxD	mm	790*1250*380
Dimensions of the control panel	HxWxD	mm	460*400*110
Net/gross weight		kg	91/115
Sound pressure*(1)		dB(A)	44
Sound power*(1)		dB	55
Power supply		V/Ph/Hz	220-240/1/50
Max. operating current		A	13,5
Recommended fuse		A	16,0
Accessories	TAD-ATWCKIT		Expansion box ... →
	TAD-ATW29MCONIT		Control Panel
	Filter		Y-type (Standard)

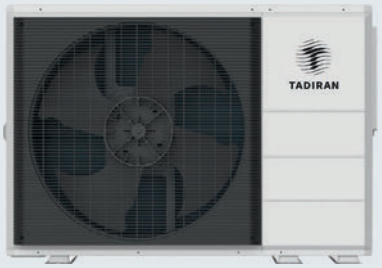


TAD-ATW29M062IT	TAD-ATW29M082IT	TAD-ATW29M102IT	TAD-ATW29MT12IT	TAD-ATW29MT14IT	TAD-ATW29MT16IT
6,00	8,00	10,00	12,00	14,00	16,00
1,12	1,50	1,96	2,35	2,83	3,23
5,35	5,35	5,10	5,10	4,95	4,95
6,00	8,00	10,00	11,50	13,50	15,50
1,82	2,35	3,13	3,48	4,22	5,08
3,30	3,40	3,20	3,30	3,20	3,05
5,10	5,20	5,10	4,82	4,80	4,80
201	205	201	190	189	189
A+++	A+++	A+++	A+++	A+++	A+++
3,83	3,85	3,83	3,85	3,83	3,85
150	151	150	151	150	151
A+++	A+++	A+++	A+++	A+++	A+++
6,00	7,50	9,50	11,50	13,50	15,50
1,20	1,58	2,21	2,56	3,14	3,88
5,00	4,75	4,30	4,50	4,30	4,00
5,00	6,80	8,50	10,00	12,00	14,00
1,37	1,97	2,62	2,99	3,75	4,52
3,65	3,45	3,25	3,35	3,20	3,10
-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
20~80	20~80	20~80	20~80	20~80	20~80
5~25	5~25	5~25	5~25	5~25	5~25
4,5	4,5	4,5	8	8	8
30	40		60	70	80
25~75	25~75	25~75	25~75	25~75	25~75
1F"	1F"	1F"	1F"	1F"	1F"
1	1	1	1	1	1
DC inverter twin rotary					
R290	R290	R290	R290	R290	R290
0.8/2.4	0.9/2.7	0.9/2.7	1.05/3.15	1.05/3.15	1,25/3,75
790*1250*380	790*1250*380	790*1250*380	880*1380*568	880*1380*568	880*1380*568
460*400*110					
91/115	103/128	119/144	147/174	147/174	156/183
47	48	49	52	53	55
58	59	60	63	64	66
220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
13,5	18,6	18,6	10,2	10,2	11,6
16,0	20,0	20,0	16,0	16,0	16,0
Expansion box for managing solar thermal, a dedicated circuit for heating a swimming pool, the defrost signal output and more					
Control Panel					
Y-type (Standard)					

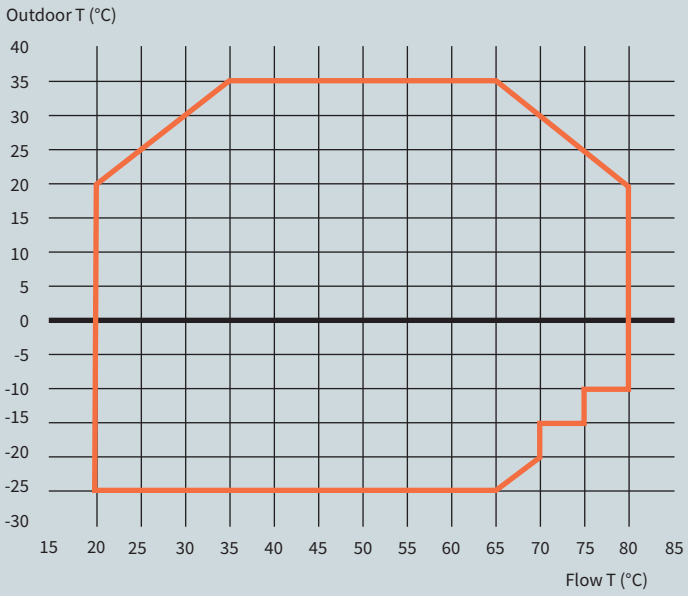
OPERATING LIMITS

SINGLE-PHASE R290

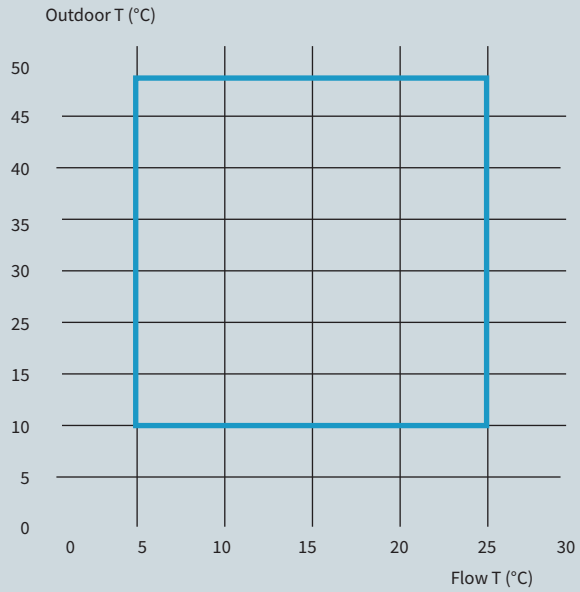
TAD-ATW29M042IT
TAD-ATW29M062IT
TAD-ATW29M082IT
TAD-ATW29M102IT



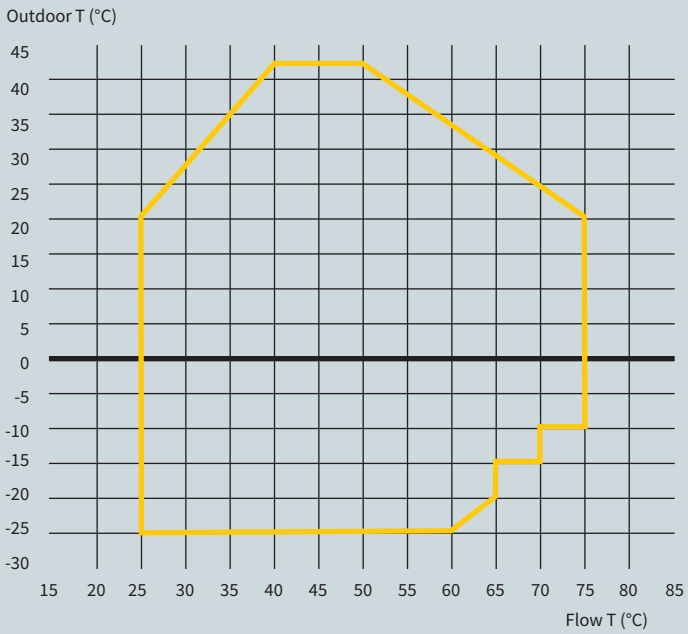
OPERATING LIMITS IN HEATING



OPERATING LIMITS IN COOLING

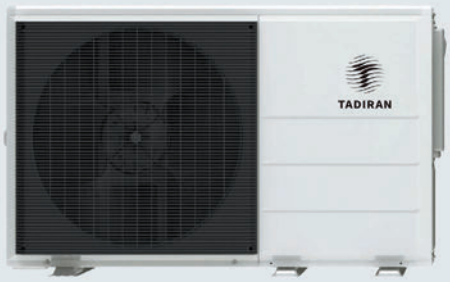


OPERATING LIMITS IN DOMESTIC HOT WATER

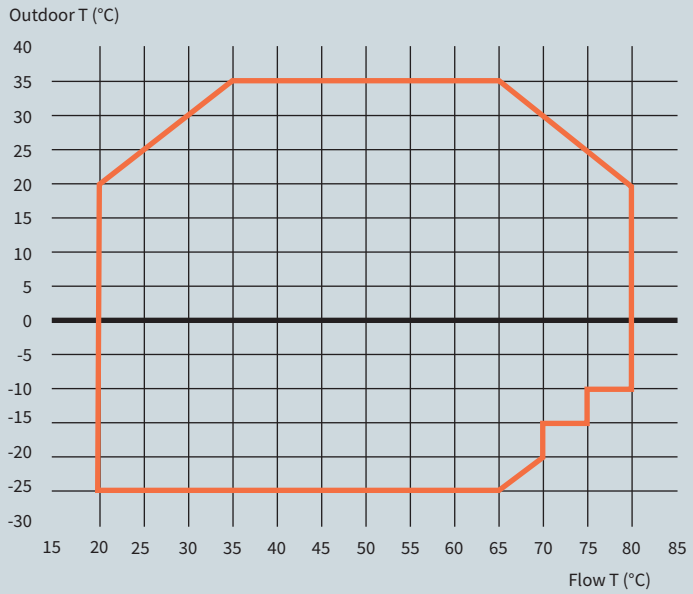


THREE-PHASE R290

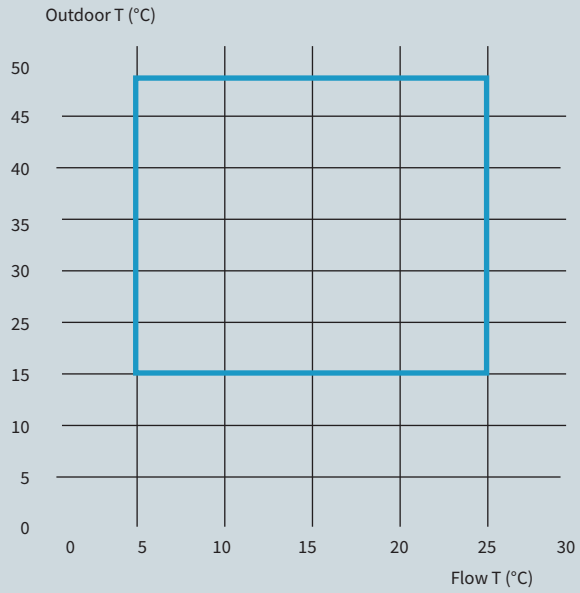
TAD-ATW29MT12IT
TAD-ATW29MT14IT
TAD-ATW29MT16IT



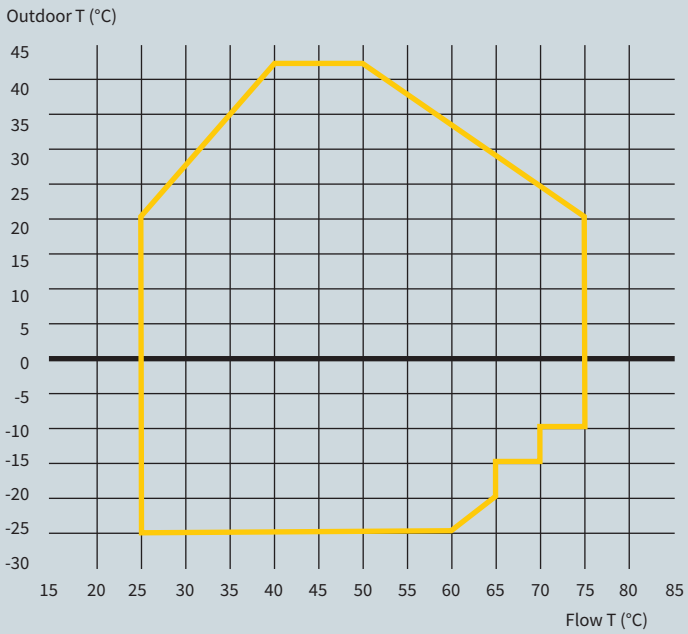
OPERATING LIMITS IN HEATING



OPERATING LIMITS IN COOLING



OPERATING LIMITS IN DOMESTIC HOT WATER

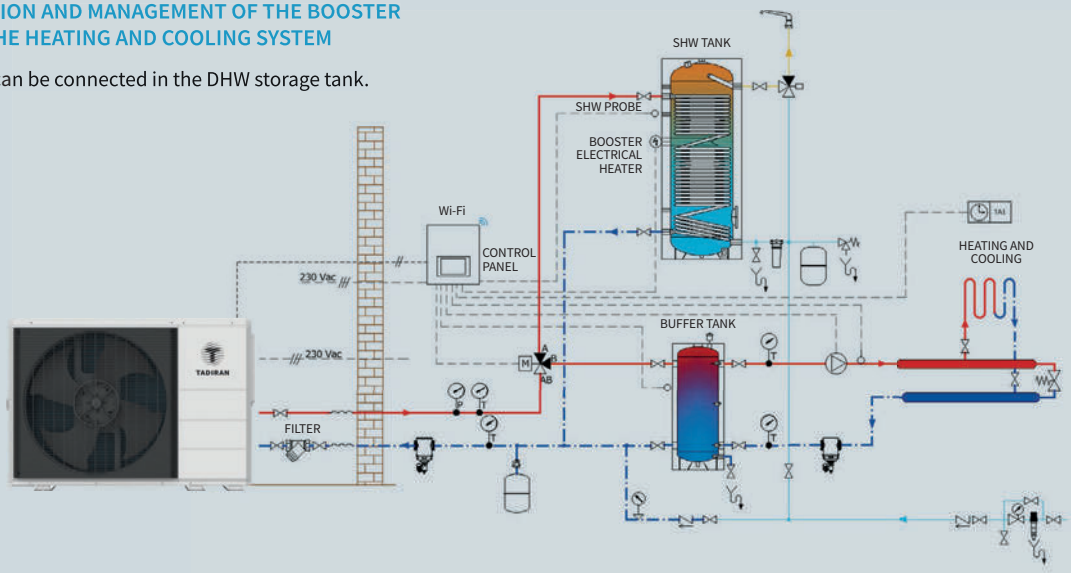


SYSTEM DIAGRAMS

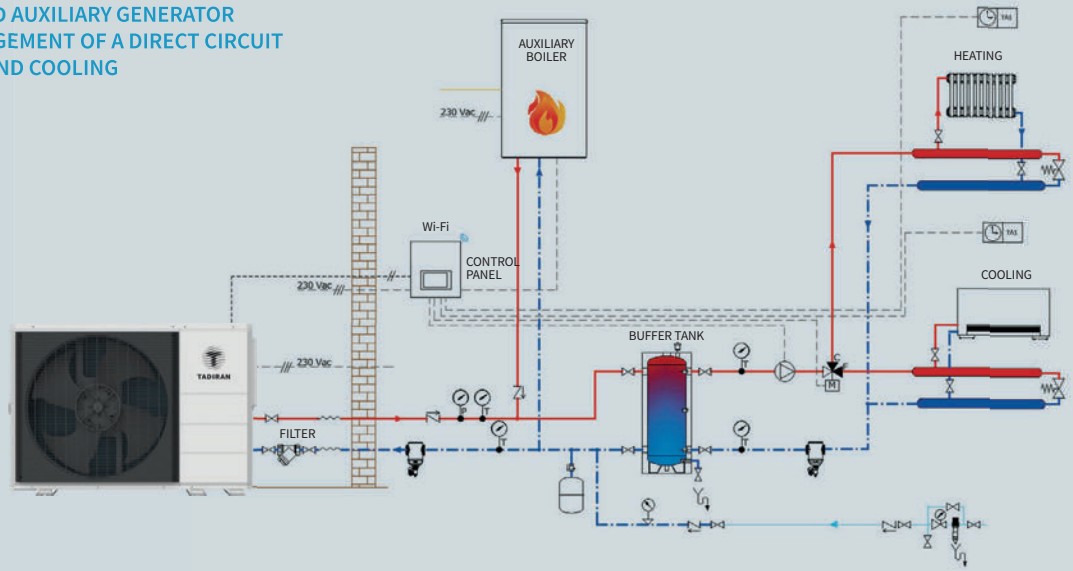
TAD-ATW29M042IT
TAD-ATW29M062IT
TAD-ATW29M082IT
TAD-ATW29M102IT

DHW PRODUCTION AND MANAGEMENT OF THE BOOSTER CIRCUIT FOR THE HEATING AND COOLING SYSTEM

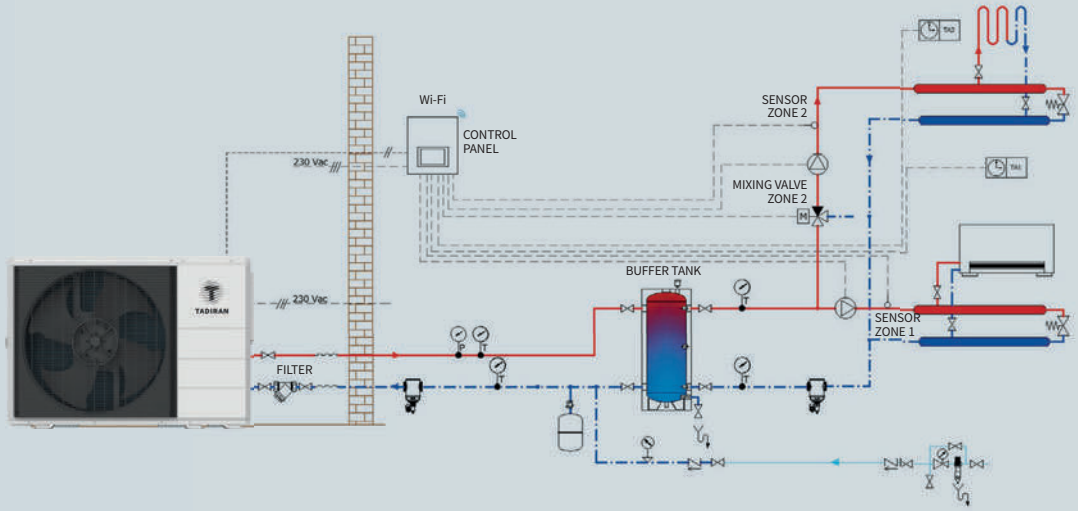
Up to 2 sensors can be connected in the DHW storage tank.



HEAT PUMP AND AUXILIARY GENERATOR FOR THE MANAGEMENT OF A DIRECT CIRCUIT FOR HEATING AND COOLING



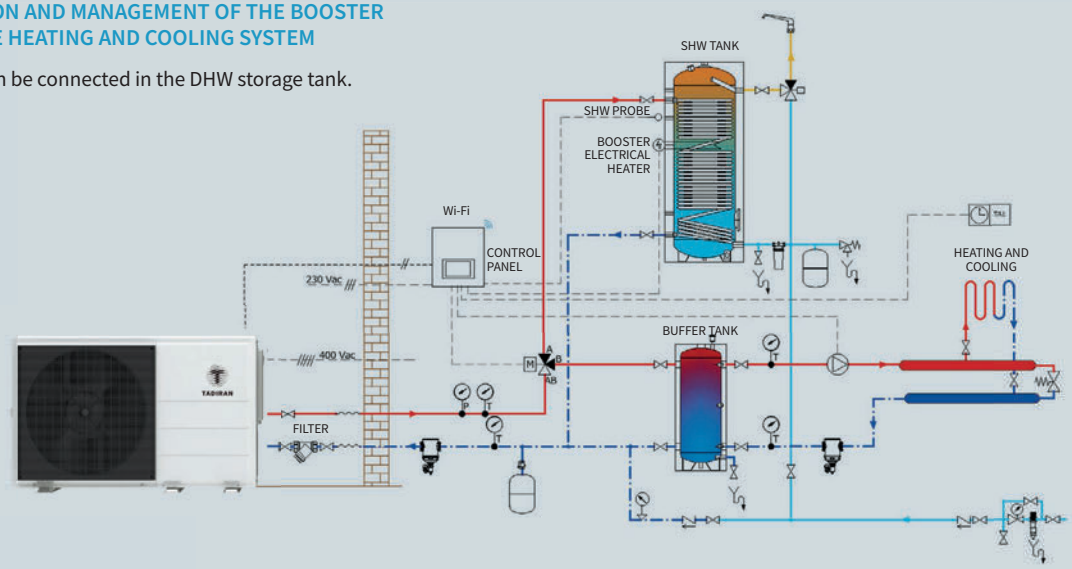
HEAT PUMP WITH TWO CIRCUITS, ONE MIXED AND ONE DIRECT, FOR HEATING AND COOLING



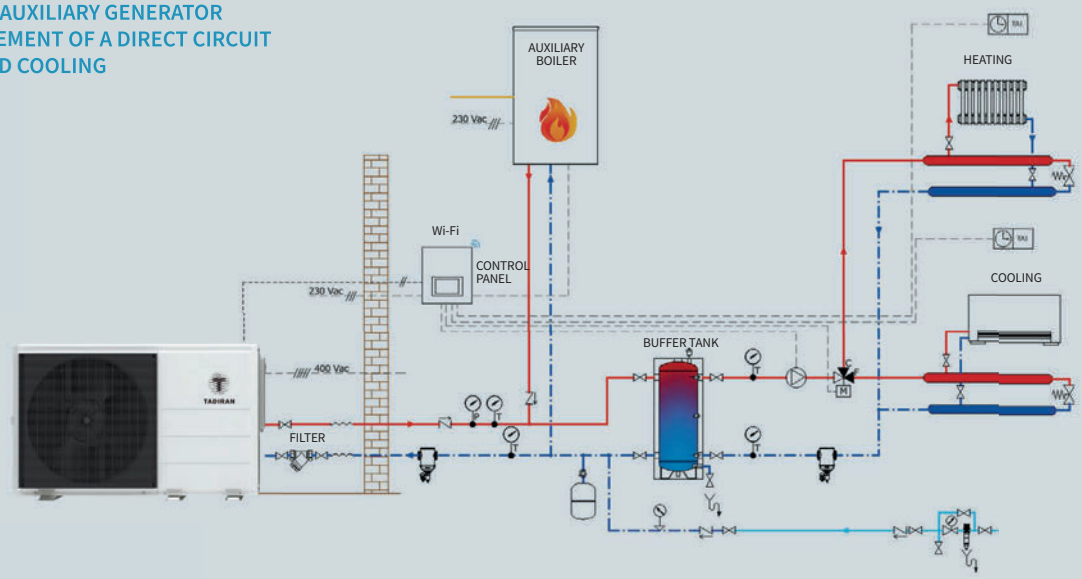
TAD-ATW29MT12IT
TAD-ATW29MT14IT
TAD-ATW29MT16IT

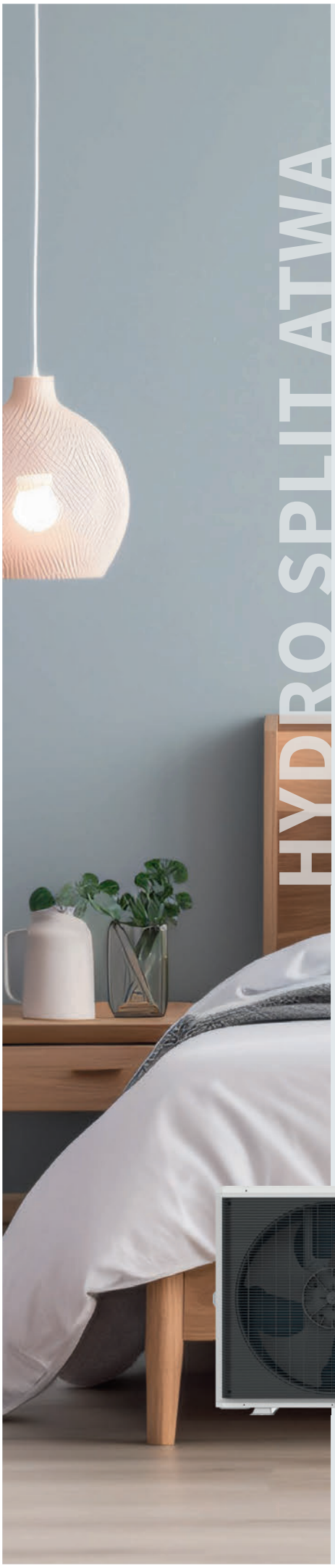
DHW PRODUCTION AND MANAGEMENT OF THE BOOSTER CIRCUIT FOR THE HEATING AND COOLING SYSTEM

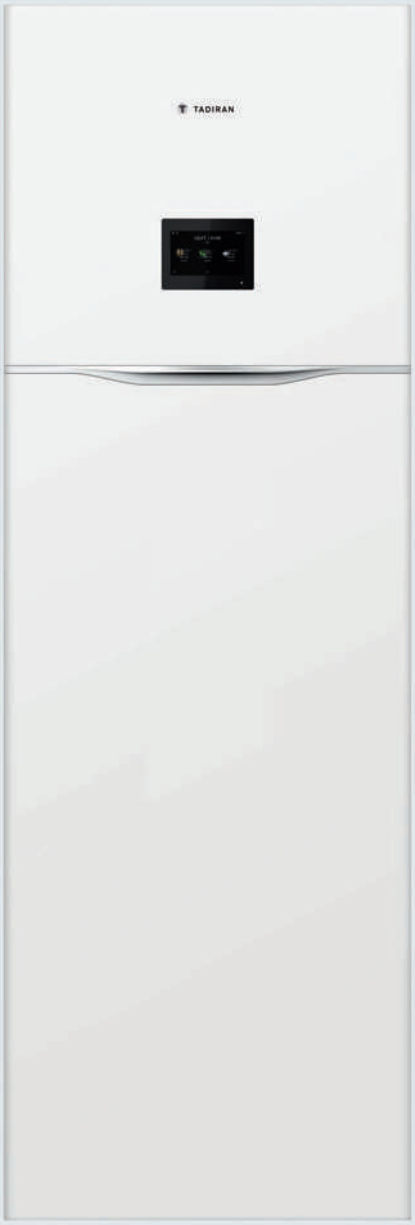
Up to 2 sensors can be connected in the DHW storage tank.



HEAT PUMP AND AUXILIARY GENERATOR FOR THE MANAGEMENT OF A DIRECT CIRCUIT FOR HEATING AND COOLING







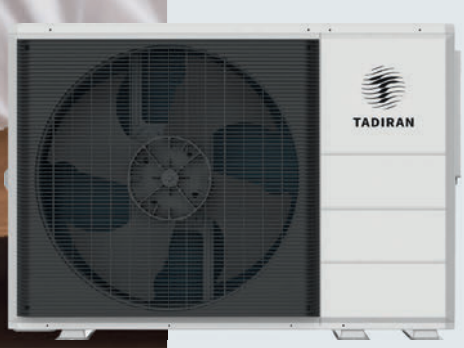
HYDRO SPLIT ATWA

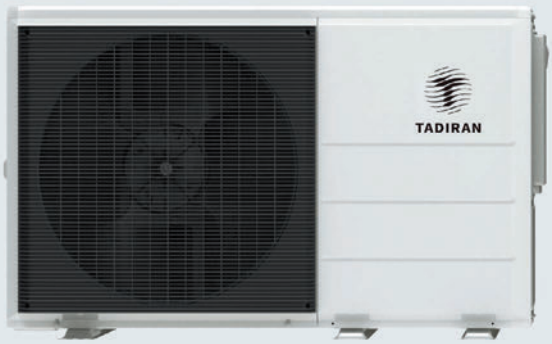
COMPACT DIMENSIONS

With a footprint of just 590x590 mm, the indoor module can be integrated into the furniture.

DHW IN CLASS A+

The efficiency of domestic hot water production is in Class A+.







R290
NATURAL REFRIGERANT

Propane (R290) is a natural refrigerant with a very low GWP (Global Warming Potential) of just 3.
This means it has a minimal environmental impact and is not an HFC (hydrofluorocarbon).
The new Tadiran heat pumps and heat pump water heaters provide heating, cooling
and domestic hot water production up to 75°C!
This makes them an excellent option even in renovation projects.

CONSTANT CAPACITY

The heat pumps can operate normally even at -25°C outdoors, and the heating capacity remains constant down to -10°C.

SAFETY PROTECTIONS

A special separation device between the refrigerant and the water side prevents the refrigerant from mixing with the water or entering the room.
The electronic boards have a special protection against fire risks to ensure maximum safety.

ENERGY EFFICIENCY

The SCOP with water at 35°C/55°C reaches Class A+++.

HOT WATER PRODUCTION AT 80°C

The unit can produce hot water at 80°C, making it an ideal solution even with high-temperature terminals.

HIGH QUIETNESS

These monobloc units have a sound pressure at 3m of just 35 db(A).

MY TADIRAN

The dedicated MY TADIRAN APP allows you to remotely control all the functions of the heat pump and to keep in constant contact with technical support.





Efficiency Data		Unit	TAD-ATWA042IT
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4,00
	Power Input	kW	0,73
	COP	W/W	5,50
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4,00
	Power Input	kW	1,19
	COP	W/W	3,35
Heating Average Climate water outlet 35°C	SCOP	-	5,10
	ηs	%	201
	Energy Class	-	A+++
Heating Average Climate water outlet 55°C	SCOP	-	3,85
	ηs	%	151
	Energy Class	-	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4,00
	Power Input	kW	0,79
	EER	W/W	5,05
Cooling (LWT 7°C/ OAT 35°C)	Capacity	kW	3,50
	Power Input	kW	0,95
	EER	W/W	3,70
Outdoor unit		Unit	TAD-ATWAODU042IT
Outdoor operating Temperature	Heating	°C	-25 ~35
	Cooling	°C	10 ~ 48
	DHW	°C	-25 ~43
Water side connections	Inlet/Outlet	inch	R 1"/R 1"
Compressor	Quantity	-	1
	Type	-	DC inverter twin rotary
Refrigerant	Type	-	R290
	Charge/CO_2 Eq.	kg/T	0.8/2.4
Sound pressure *(2)		dB(A)	44
Sound power *(2)		dB	55
Net dimensions	HxLxP	mm	790*1250*380
Packing Dimensions	HxLxP	mm	1022*1395*550
Net/gross weight		kg	86/109
Power supply		V/Ph/Hz	220-240/1/50
Max. operating current		A	13,5
Recommended fuse		A	16,0
Indoor unit		Unit	TAD-ATWAIDU102IT
Water outlet temperatures	Heating	°C	20~80
	Cooling	°C	5~25
Storage temperature	DHW	°C	25~75
Water side connections	Inlet/Outlet (except for DHW)	inch	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4
Expansion vessel		L	8
Primary circuit	Safety valve pressure	bar	3
Power supply		V/Ph/Hz	220-240/1/50
Max. operating current		A	14,1
Recommended fuse		A	20,0
DHW tank	Type	-	2205 duplex stainless steel
	Volume	L	200
	Max water pressure	bar	7
	Tank heater	kW	3
Load profile		-	L
Efficiency ηDHW		%	135
COP		–	3,11
DHW Energy Class		–	A+
Backup Electric Heater	Power supply	V/Ph/Hz	220-240/1/50
	Capacity	kW	1+2
	Steps	-	2
	Max operating current	A	14,0
	Recommended fuse	A	20,0
Sound power		dB	40
Net dimensions	HxLxP	mm	1780*590*590
Packing Dimensions	HxLxP	mm	2060*695*695
Net/gross weight		kg	115 / 131

TAD-ATWA062IT	TAD-ATWA082IT	TAD-ATWA102IT	TAD-ATWAT12IT	TAD-ATWAT14IT	TAD-ATWAT16IT
6,00	8,00	10,00	12,00	14,00	16,00
1,12	1,50	1,96	2,35	2,83	3,23
5,35	5,35	5,10	5,10	4,95	4,95
6,00	8,00	10,00	11,50	13,50	15,50
1,82	2,35	3,13	3,48	4,22	5,08
3,30	3,40	3,20	3,30	3,20	3,05
5,10	5,20	5,10	4,82	4,80	4,80
201	205	201	190	189	189
A+++	A+++	A+++	A+++	A+++	A+++
3,83	3,85	3,83	3,85	3,83	3,85
150	151	150	151	150	151
A+++	A+++	A+++	A+++	A+++	A+++
6,00	7,50	9,50	11,50	13,50	15,50
1,20	1,58	2,21	2,56	3,14	3,88
5,00	4,75	4,30	4,50	4,30	4,00
5,00	6,80	8,50	10,00	12,00	14,00
1,37	1,97	2,62	2,99	3,75	4,52
3,65	3,45	3,25	3,35	3,20	3,10
TAD-ATWAODU062IT	**TAD-ATWAODU082IT**	**TAD-ATWAODU102IT**	**TAD-ATWAODUT12IT**	**TAD-ATWAODUT14IT**	**TAD-ATWAODUT16IT**
-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
R 1"/R 1"	R 1"/R 1"	R 1"/R 1"	R 1"/R 1"	R 1"/R 1"	R 1"/R 1"
1	1	1	1	1	1
DC inverter twin rotary					
R290	R290	R290	R290	R290	R290
0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	1.05/3.15	1.05/3.15
44	47	48	49	52	53
55	58	59	60	63	64
790*1250*380	790*1250*380	790*1250*380	790*1250*380	880*1380*460	880*1380*460
1022*1395*550	1022*1395*550	1022*1395*550	1022*1395*550	1112*1396*630	1112*1396*630
86/109	86/109	98/121	98/121	129/155	129/155
220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
13,5	13,5	18,6	18,6	10,2	10,2
16,0	16,0	20,0	20,0	16,0	16,0
TAD-ATWAIDU102IT	**TAD-ATWAIDU102IT**	**TAD-ATWAIDU102IT**	**TAD-ATWAIDUT162**	**TAD-ATWAIDUT162IT**	**TAD-ATWAIDUT162IT**
20~80	20~80	20~80	20~80	20~80	20~80
5~25	5~25	5~25	5~25	5~25	5~25
25~75	25~75	25~75	25~75	25~75	25~75
R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4
8	8	8	8	8	8
3	3	3	3	3	3
220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
14,1	14,1	14,1	15,0	15,0	15,0
20,0	20,0	20,0	20,0	20,0	20,0
2205 duplex stainless steel					
200	200	200	200	200	200
7	7	7	7	7	7
3	3	3	3	3	3
L	L	L	L	L	L
135	135	138	140	140	140
3,11	3,13	3,13	3,10	3,10	3,10
A+	A+	A+	A+	A+	A+
220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
1+2	1+2	1+2	2+4	2+4	2+4
2	2	2	2	2	2
14,0	14,0	14,0	9,5	9,5	9,5
20,0	20,0	20,0	16,0	16,0	16,0
40	40	40	42	42	42
1780*590*590	1780*590*590	1780*590*590	1780*590*590	1780*590*590	1780*590*590
2060*695*695	2060*695*695	2060*695*695	2060*695*695	2060*695*695	2060*695*695
115 / 131	115 / 131	115 / 131	117 / 133	117 / 133	117 / 133

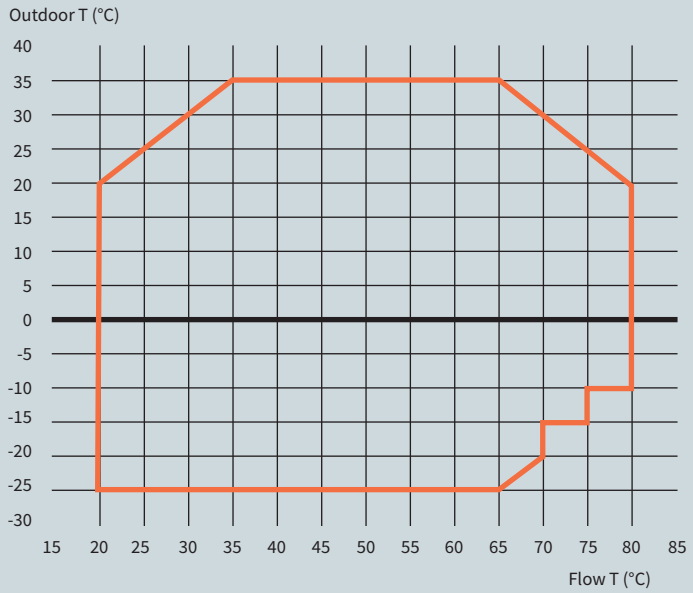
*(1)The maximum operating current does not include the backup electric heater, which is activated individually.
*(2)Test conditions refer to EN14511-2018 and the test method refers to EN12102-2017 (A7/W35).

OPERATING LIMITS

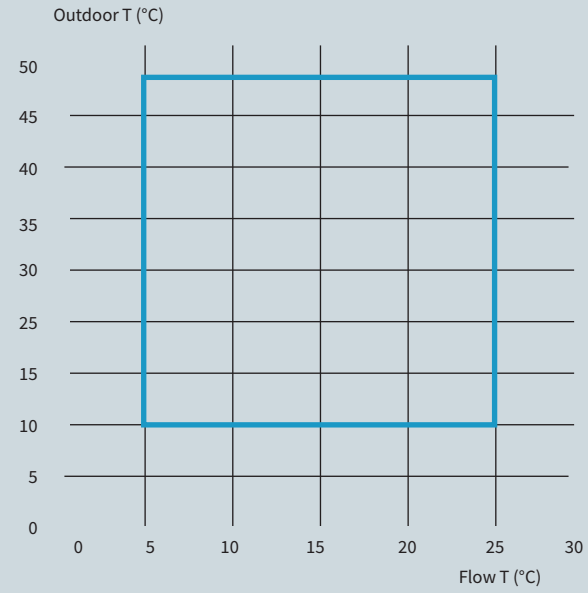
HYDRO SPLIT

TAD-ATWAIDU102IT

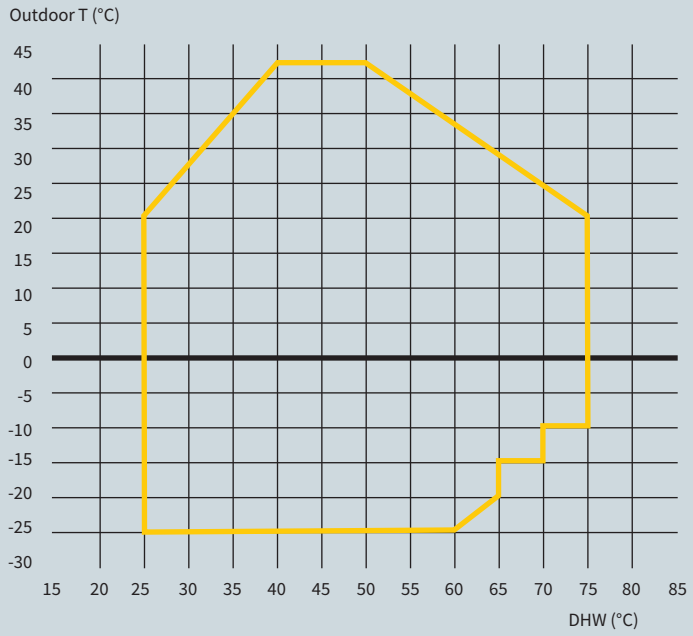
OPERATING LIMITS IN HEATING



OPERATING LIMITS IN COOLING

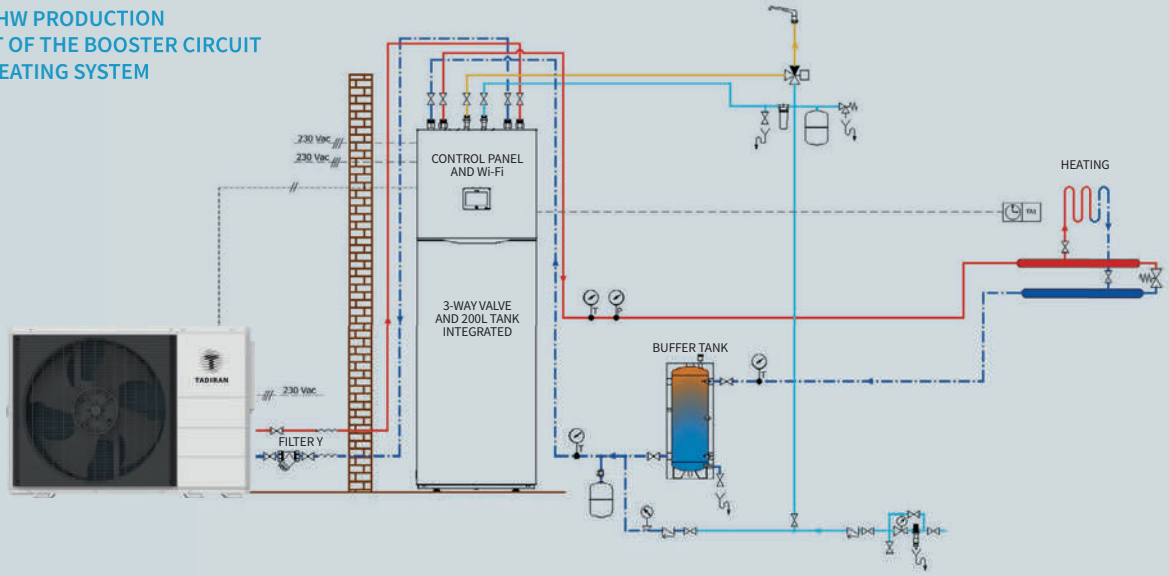


OPERATING LIMITS IN DOMESTIC HOT WATER

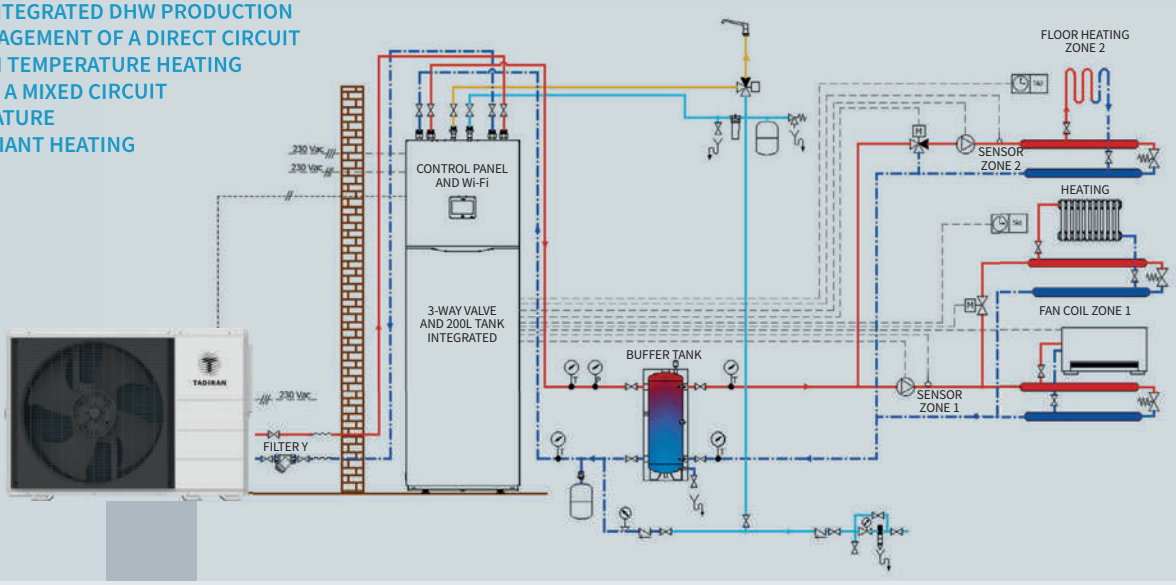


SYSTEM DIAGRAMS

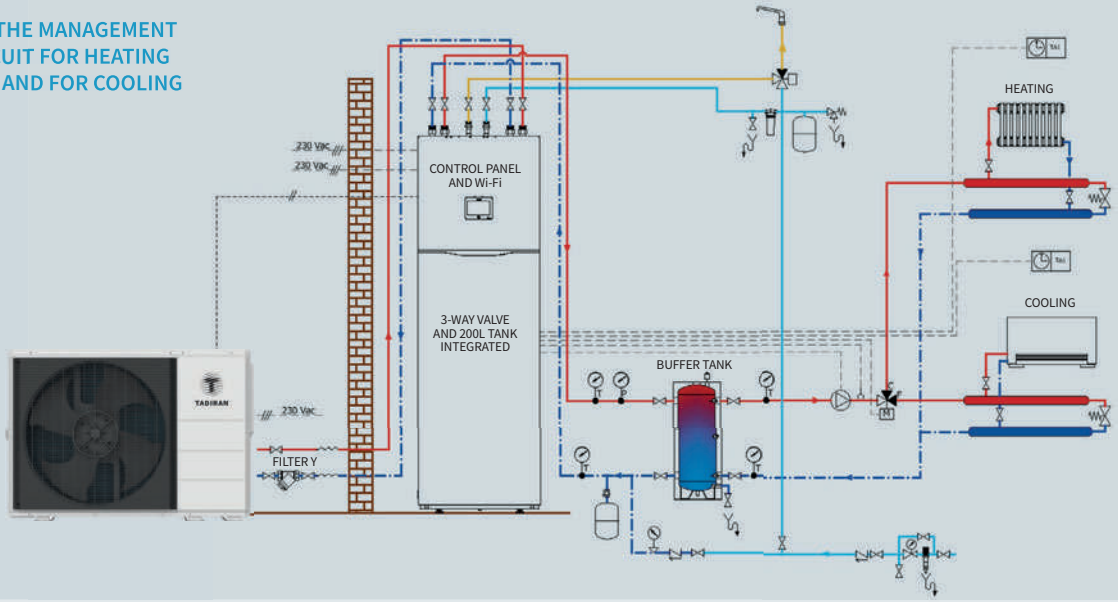
HEAT PUMP FOR DHW PRODUCTION AND MANAGEMENT OF THE BOOSTER CIRCUIT FOR THE DIRECT HEATING SYSTEM



HEAT PUMP FOR INTEGRATED DHW PRODUCTION AND FOR THE MANAGEMENT OF A DIRECT CIRCUIT FOR MEDIUM/HIGH TEMPERATURE HEATING AND COOLING AND A MIXED CIRCUIT FOR LOW TEMPERATURE UNDERFLOOR RADIANT HEATING



HEAT PUMP FOR THE MANAGEMENT OF A DIRECT CIRCUIT FOR HEATING WITH RADIATORS AND FOR COOLING WITH FAN COILS







AIR TO WATER HEAT PUMPS R32

The R32 heat pump range is designed to heat, cool and produce domestic hot water. They are available in monobloc and split versions with refrigerant connections between outdoor and indoor units.
The indoor unit of the split version is ideal for installation inside cabinets, and the whole range is available in single-phase and three-phase versions.

MONOBLOC

SINGLE-PHASE

TAD-ATWM052IT
TAD-ATWM072IT
TAD-ATWM092IT

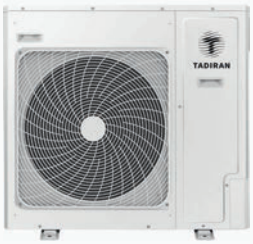


SINGLE-PHASE

TAD-ATWM112IT

THREE-PHASE

TAD-ATWMT14IT
TAD-ATWMT16IT



SPLIT



INDOOR MODULE

TAD-ATWSIDU062IT
TAD-ATWSIDU102IT

OUTDOOR UNIT

SINGLE-PHASE

TAD-ATWSODU042IT
TAD-ATWSODU062IT

TAD-ATWSODU082IT
TAD-ATWSODU102IT







MAXIMUM COMFORT

HIGH HOT WATER TEMPERATURE LEVELS WITH THE THERMODYNAMIC CYCLE

In the Split units, a hot water flow temperature of 60°C can be reached down to -15°C outdoors without the need for backup electric heaters.

TWO-ZONE CONTROL

Two zones with separate circuits can be defined, managing the two temperatures independently.

ANTI-LEGIONELLA

The function can be set manually or programmed. The water can be heated to 75°C for the sterilisation cycle. The user can see when the cycle is running via the icon shown on the display.

CLIMATE CURVES

Using the climate curve management function, zone 1 and zone 2 can be managed automatically according to the outdoor temperature.

SMART GRID

The units already feature a Smart Grid function for intelligent grid management.

FAST DHW PRODUCTION

By activating the DHW function, the electric heaters can be switched on to provide heating with the heat pump and domestic hot water at the same time.

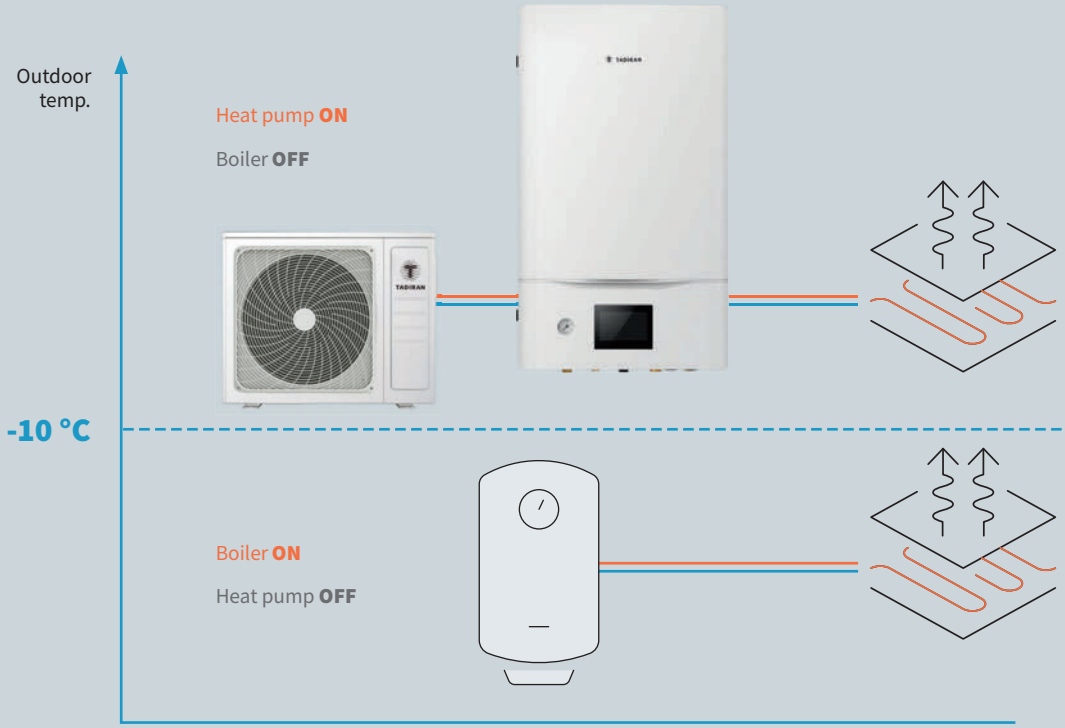
CASCADE CONTROL

In the case of larger installations, up to 8 units can be combined and managed as a single system.

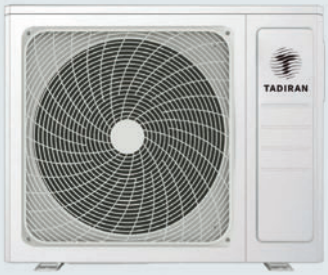


BIVALENT OPERATION

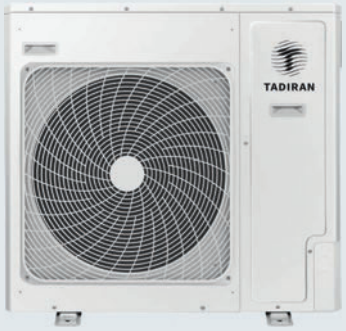
When the system is installed in combination with a boiler, the "Bivalent" function can be set from the controller. If activated, the heat pump will be able to manage the start-up and shutdown of the boiler according to the configured settings.







Description		Unit
Heating (LWT 35°C / OAT 7°C)	Capacity	kW
	Power Input	kW
	COP	W/W
Heating (LWT 55°C / OAT 7°C)	Capacity	kW
	Power Input	kW
	COP	W/W
Heating Avg. Climate water outlet 35°C	SCOP	-
	ηs	%
	Energy Class	-
Heating Avg. Climate water outlet 55°C	SCOP	-
	ηs	%
	Energy Class	-
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW
	Power Input	kW
	EER	-
Cooling (LWT 7°C/ OAT 35°C)	Capacity	kW
	Power Input	kW
	EER	-
Cooling	SEER	-
Outdoor operating temperature	Heating	°C
	Cooling	°C
Water outlet temperatures	Heating	°C
	Cooling	°C
Expansion vessel		L
Minimum system water content		L
Water flow		L/min
Water side connections	Inlet/Outlet	inch
Compressor	Quantity	-
	Type	-
Refrigerant	Type	-
	Charge/CO_2 Eq.	kg/T
Net dimensions	HxLxP	mm
Net/gross weight		kg
Sound pressure		dB(A)
Sound power		dB(A)
Power supply		V/f/Hz
Max. operating current		A
Recommended fuse		A
Accessories	Wired controller	/
	PCB box	/
	Filter	/



TAD-ATWM052IT	TAD-ATWM072IT	TAD-ATWM092IT	TAD-ATWM112IT	TAD-ATWMT14IT	TAD-ATWMT16IT
5,00	7,00	9,00	11,00	14,00	16,00
0,99	1,40	1,84	2,24	2,95	3,53
5,06	5,00	4,90	4,90	4,75	4,53
5,00	7,00	8,50	10,50	13,50	15,20
1,69	2,41	3,09	3,50	4,82	5,53
2,95	2,90	2,75	3,00	2,80	2,75
4,97	4,95	4,95	4,70	4,65	4,55
196	195	195	185	183	179
A+++	A+++	A+++	A+++	A+++	A+++
3,52	3,38	3,34	3,40	3,45	3,40
138	132	131	133	135	133
A++	A++	A++	A++	A++	A++
5,00	7,00	8,00	10,00	13,50	15,20
1,02	1,44	1,86	2,27	3,14	3,80
4,90	4,85	4,30	4,40	4,30	4,00
5,00	7,00	8,00	10,00	12,00	14,00
1,56	2,19	2,76	3,23	4,21	5,28
3,20	3,20	2,90	3,10	2,85	2,65
5,01	5,00	4,92	4,85	4,75	4,68
-25 ~35					
10~48	10~48	10~48	10~48	10~48	10~48
25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60
5~25					
30	35	45	55	70	80
14,3	20,1	25,8	31,5	40,1	45,9
1F"	1F"	1F"	1F"	1F"	1F"
1					
DC inverter twin rotary					
R32					
1.3/0.88	1.3/0.88	1.4/0.95	1.8/1.22	2.5/1.69	2.5/1.69
790*1250*380			880*1380*568		
81/109	81/109	85/113	108/148	117/157	117/157
60	61	62	63	65	65
220-240/1/50				380~415/3/50	
12,5	12,5	16	22	12	12
16	16	20	16	16	16
TAD-ATW29MCONIT					
Expansion box for managing solar thermal, a pool heating circuit, defrost signal output etc.					
Standard	Y-type 40 mesh (Standard)	Y-type 40 mesh (Standard)	Y-type 40 mesh (Standard)	Y-type 40 mesh (Standard)	Y-type 40 mesh (Standard)

*Data declared in accordance with EU Regulations No 206/2012, on ecodesign requirements for air conditioners and comfort fans, and No 626/2011, on energy labelling of air conditioners, and tested according to EN14825:2012.



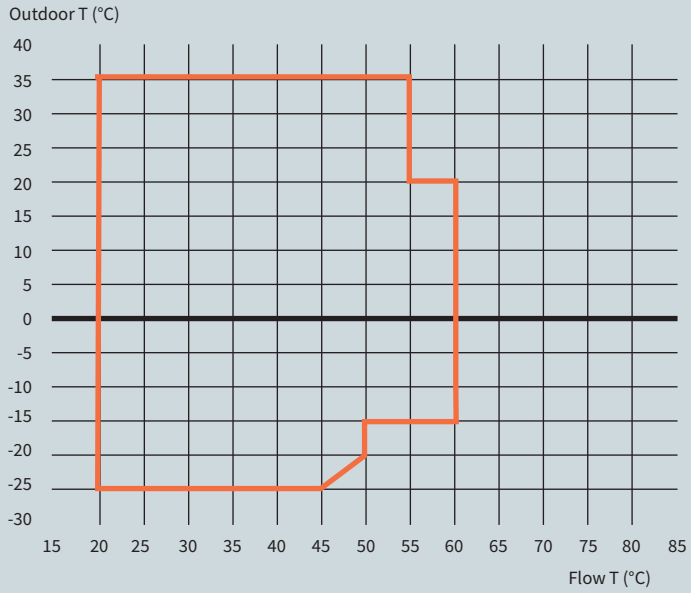
OPERATING LIMITS

SINGLE-PHASE R32

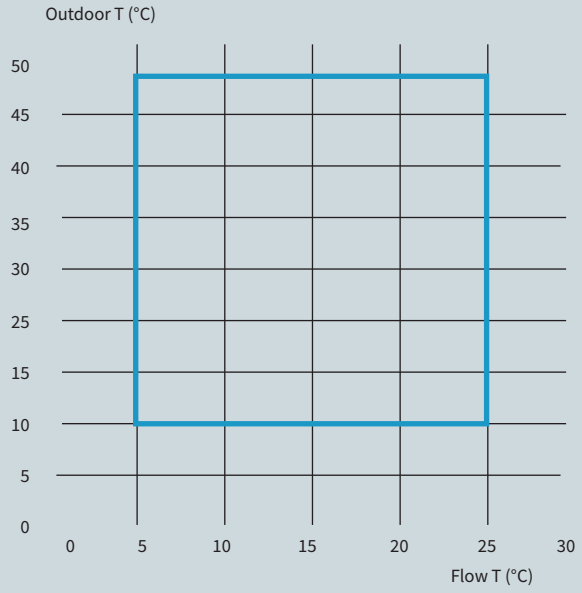
TAD-ATWM052IT
TAD-ATWM072IT
TAD-ATWM092IT
TAD-ATWM112IT



OPERATING LIMITS IN HEATING



OPERATING LIMITS IN COOLING

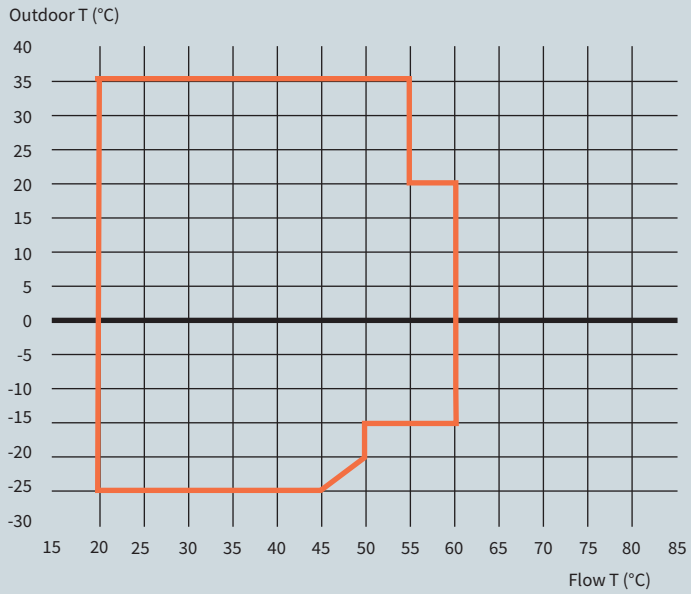


THREE-PHASE R32

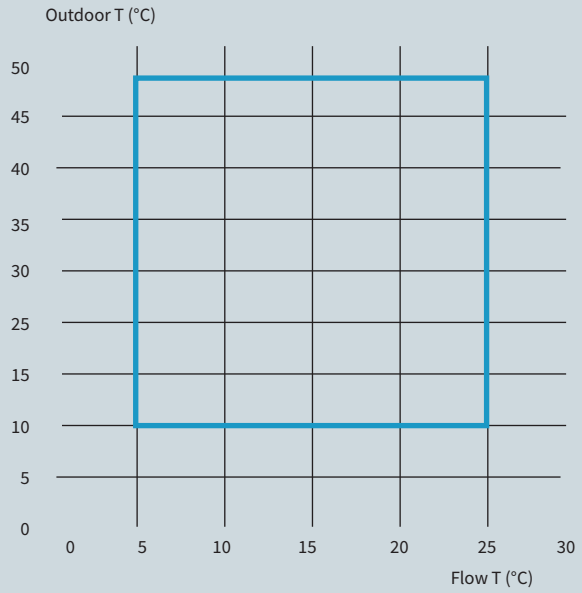
TAD-ATWMT14IT
TAD-ATWMT16IT



OPERATING LIMITS IN HEATING



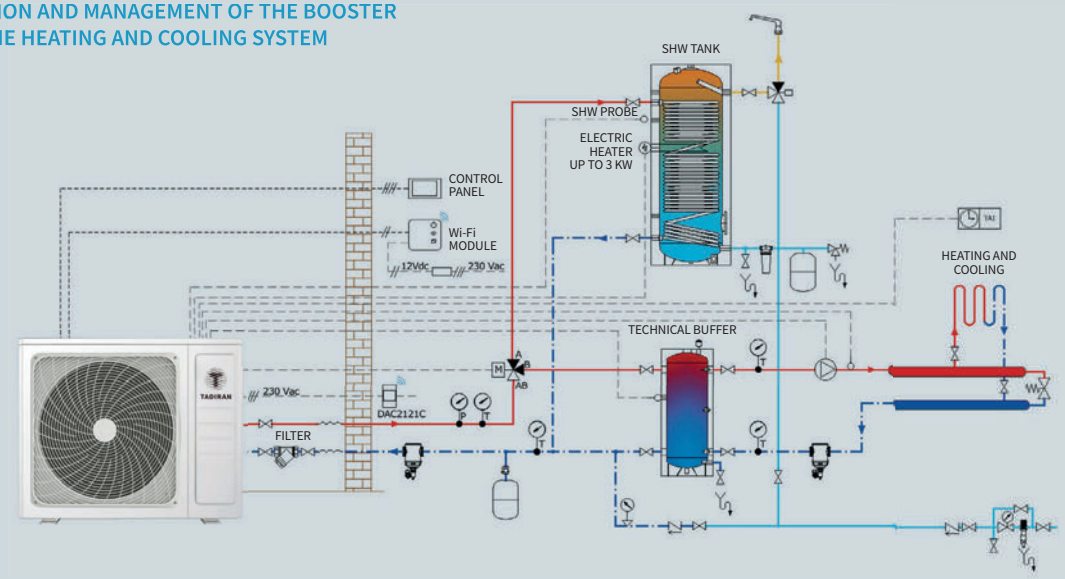
OPERATING LIMITS IN COOLING



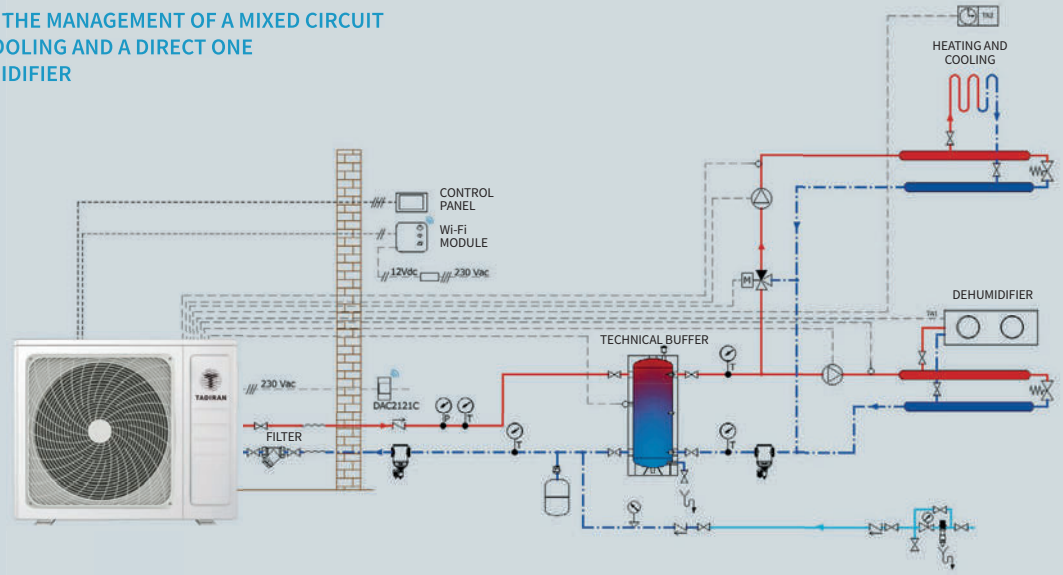
SYSTEM DIAGRAMS

TAD-ATWM052IT
TAD-ATWM072IT
TAD-ATWM092IT
TAD-ATWM112IT

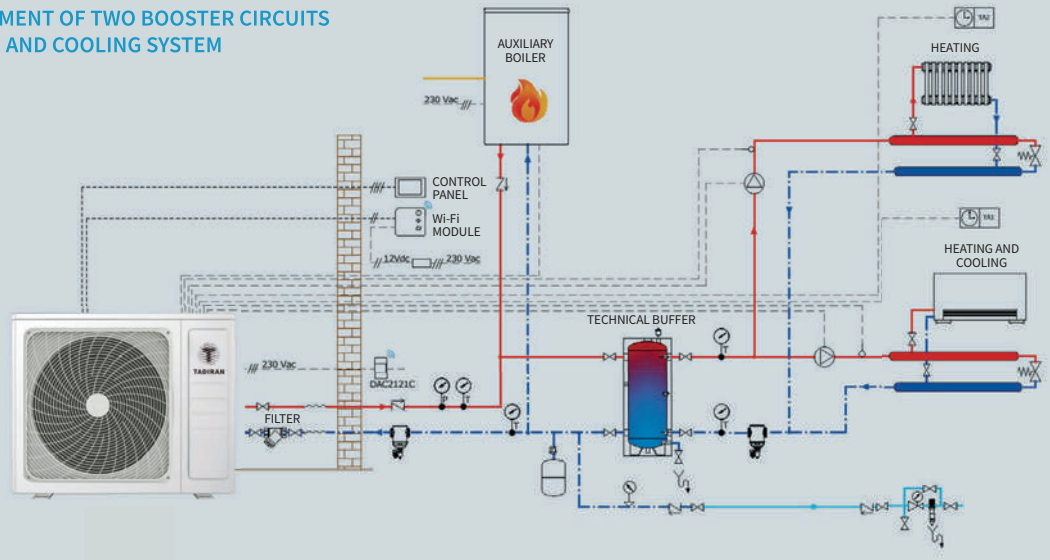
DHW PRODUCTION AND MANAGEMENT OF THE BOOSTER CIRCUIT FOR THE HEATING AND COOLING SYSTEM



HEAT PUMP FOR THE MANAGEMENT OF A MIXED CIRCUIT FOR HEATING/COOLING AND A DIRECT ONE FOR THE DEHUMIDIFIER

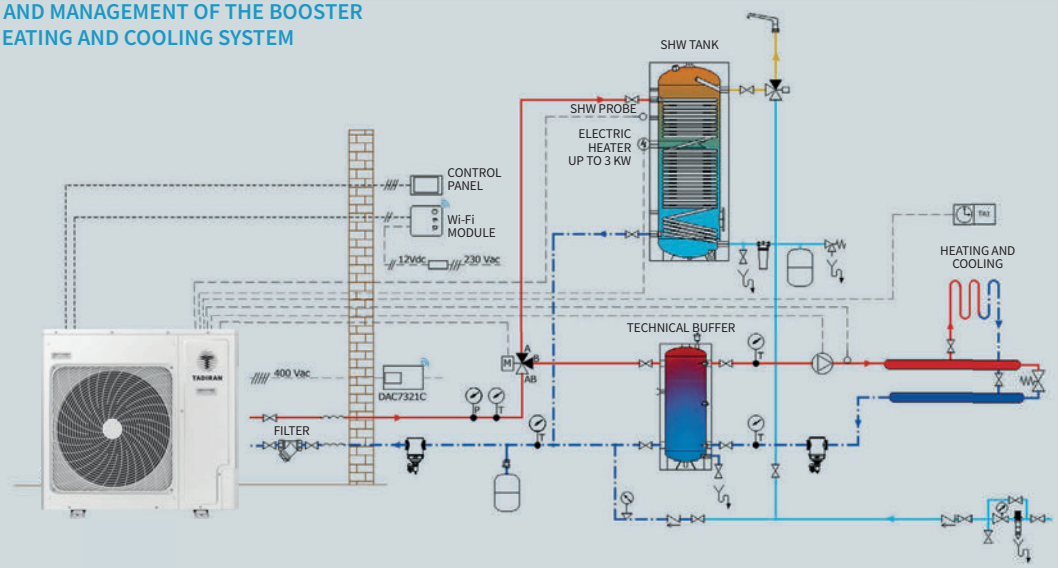


HEAT PUMP AND SECOND GENERATOR FOR THE MANAGEMENT OF TWO BOOSTER CIRCUITS FOR THE HEATING AND COOLING SYSTEM

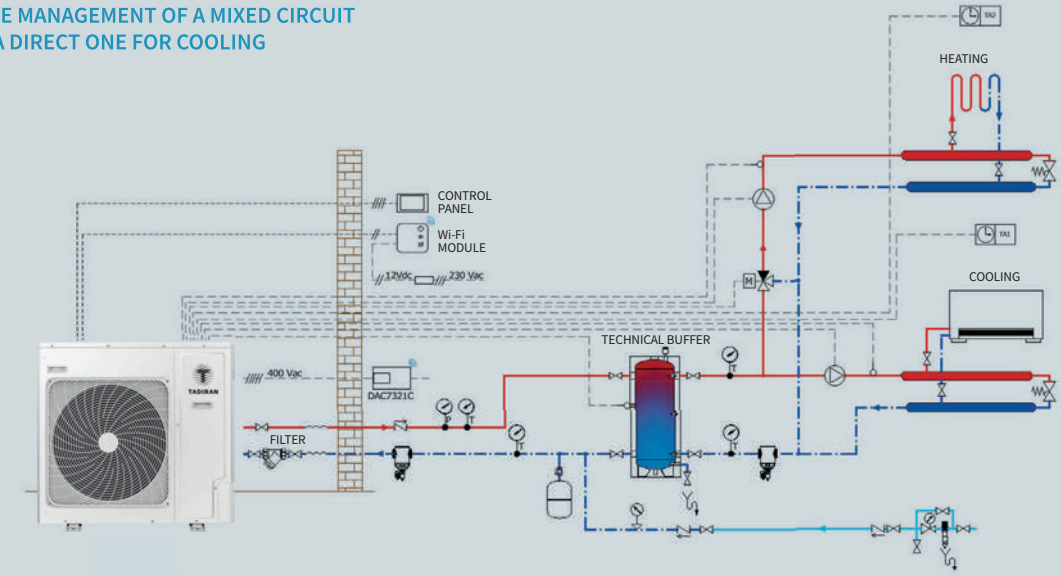


TAD-ATWMT14IT
TAD-ATWMT16IT

DHW PRODUCTION AND MANAGEMENT OF THE BOOSTER CIRCUIT FOR THE HEATING AND COOLING SYSTEM

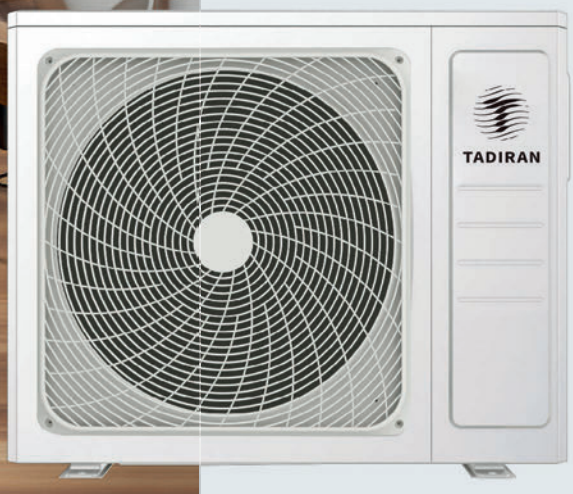


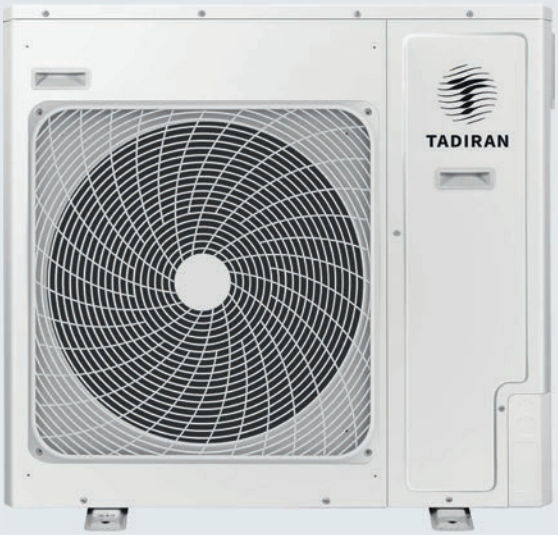
HEAT PUMP FOR THE MANAGEMENT OF A MIXED CIRCUIT FOR HEATING AND A DIRECT ONE FOR COOLING




SPLIT


TADIRAN


TADIRAN


TADIRAN

Efficiency Data		Unit	TAD-ATWS042IT	TAD-ATWS062IT	TAD-ATWS082IT	TAD-ATWS102IT
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4,0	6,0	8,0	10,0
	Power Input	kW	0,80	1,20	1,60	2,17
	COP	W/W	5,02	4,98	5,00	4,60
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4	6	8	10
	Power Input	kW	1.49	2.18	2.82	3.66
	COP	W/W	2.69	2.75	2.84	2.73
Heating Average Climate water outlet 35°C	SCOP (A+++ to D)	-	5,00	4,80	4,90	4,85
	ηs	%	197	189	193	191
	Energy Class	-	A+++	A+++	A+++	A+++
Heating Average Climate water outlet 55°C	SCOP (A+++ to D)	-	3,45	3,38	3,32	3,30
	ηs	%	135	132	130	129
	Energy Class	-	A++	A++	A++	A++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4	6	8	10
	Power Input	kW	0,85	1,26	1,90	2,50
	EER	W/W	4,70	4,75	4,20	4,00
Cooling (LWT 7°C/ OAT 35°C)	Capacity	kW	4	6	8	9
	Power Input	kW	1,29	1,97	2,63	3,00
	EER	W/W	3,10	3,05	3,04	3,00
Outdoor unit		Unit	TAD-ATWS-ODU042IT	TAD-ATWS-ODU062IT	TAD-ATWS-ODU082IT	TAD-ATWS-ODU102IT
Outdoor operating temperature	Cooling	°C	10~48	10~48	10~48	10~48
	Heating	°C	-25~35	-25~35	-25~35	-25~35
Compressor	Quantity	-	1	1	1	1
	Type	-	DC inverter twin rotary	DC inverter twin rotary	DC inverter twin rotary	DC inverter twin rotary
Refrigerant	Type	-	R32	R32	R32	R32
	Charge/CO_2 Eq.	kg/T	1.2 / 0.81	1.2 / 0.81	1.6 / 1.08	1.6 / 1.08
Piping diameter	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Max refrigerant line length		m	30	30	50	50
Max height difference ODU&IDU		m	20	20	30	30
Length without additional charge		m	10	10	10	10
Additional refrigerant charge		g/m	20	20	38	38
Sound pressure		dB(A)	44	45	49	53
Sound power		dB(A)	58	61	65	68
Net dimensions	H×W×D	mm	765×920×372	765×920×372	965×950×370	965×950×370
Packing dimensions	H×W×D	mm	980×1050×500	980×1050×500	1090×1030×480	1090×1030×480
Net / Gross Weight		kg	55 / 67	55 / 67	76 / 86	76 / 86
Power supply		f/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Max. current		A	12,5	13	19	22
Recommended disconnector		A	16	16	25	32
Indoor unit		Unit	TAD-ATWS-IDU062IT	TAD-ATWS-IDU062IT	TAD-ATWS-IDU102IT	TAD-ATWS-IDU102IT
Water outlet temperatures	Heating	°C	15~60	15~60	15~60	15~60
	Cooling	°C	5~25	5~25	5~25	5~25
Sound power		dB(A)	42	42	42	42
Backup electric heater	Capacity	kW	1+3	1+3	1+3	1+3
	Steps	-	3	3	3	3
Expansion vessel capacity		L	5	5	5	5
Pump	Type	-	Variable speed	Variable speed	Variable speed	Variable speed
	Power input	W	75	75	75	75
Water flow rate		L/min	17	23	28,7	28,7
Water side connections	Inlet/Outlet	inch	R 1"	R 1"	R 1"	R 1"
Piping diameter	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	15.88 (5/8)
	Gas	mm	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	850×480×310
Net dimensions	H×W×D	mm	850×480×310	850×480×310	850×480×310	1020×580×460
Packing dimensions	H×W×D	kg	1020×580×460	1020×580×460	1020×580×460	43 / 55
Net / Gross Weight		f/V/Hz	41 / 53	43 / 55	43 / 55	1/220-240/50
Power supply		A	1/220-240/50	1/220-240/50	1/220-240/50	20
Max. current		A	20	20	20	63
Integrated disconnector		/	63	63	63	63

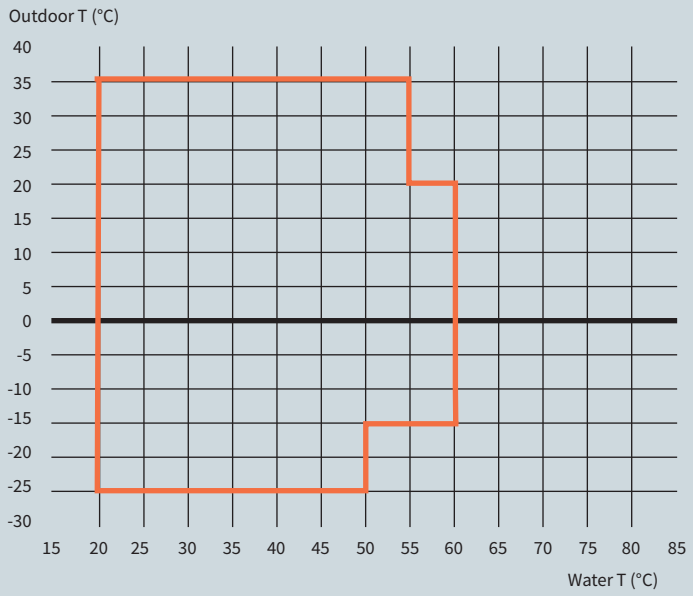
Data in accordance with EN14511, EN14825 (EU) and No 811/2013(EU).
LWT: leaving water temperature; OAT: outdoor air temperature.
Noise levels measured in a semi-anechoic chamber. Sound power measured according to EN2102-1 under the conditions set by EN14825.
The data shown may vary without notice due to future quality and performance improvements.

OPERATING LIMITS

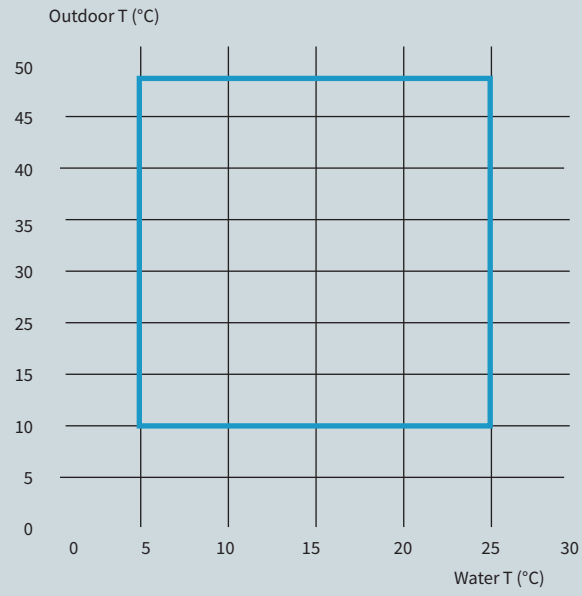
SPLIT

TAD-ATWS062IT
TAD-ATWS102IT

OPERATING LIMITS IN HEATING

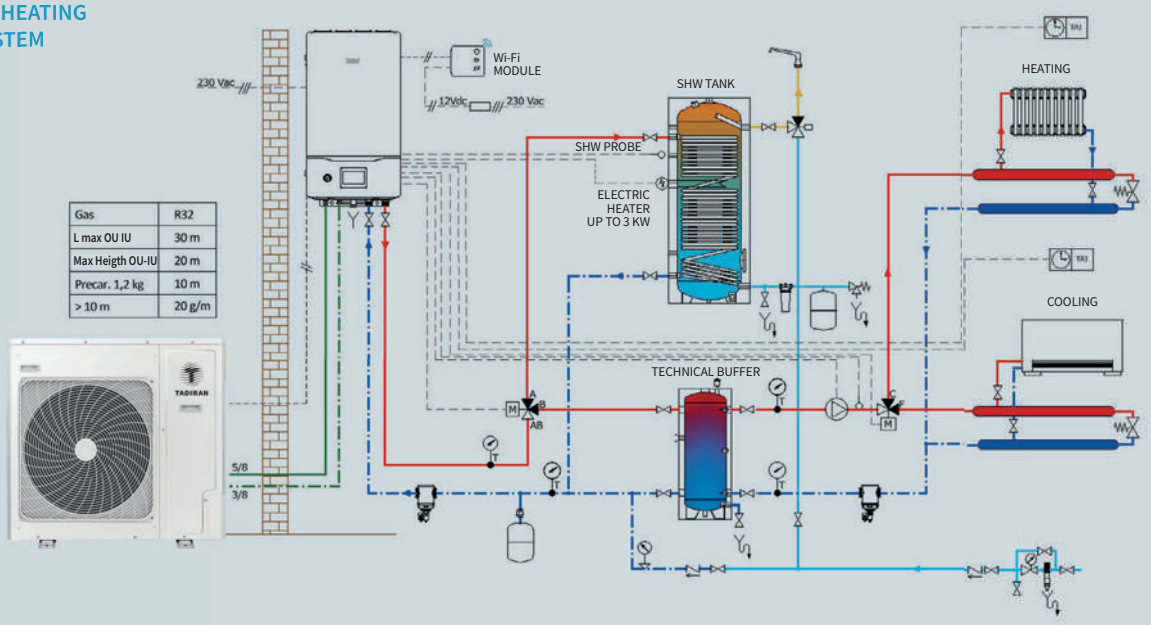


OPERATING LIMITS IN COOLING



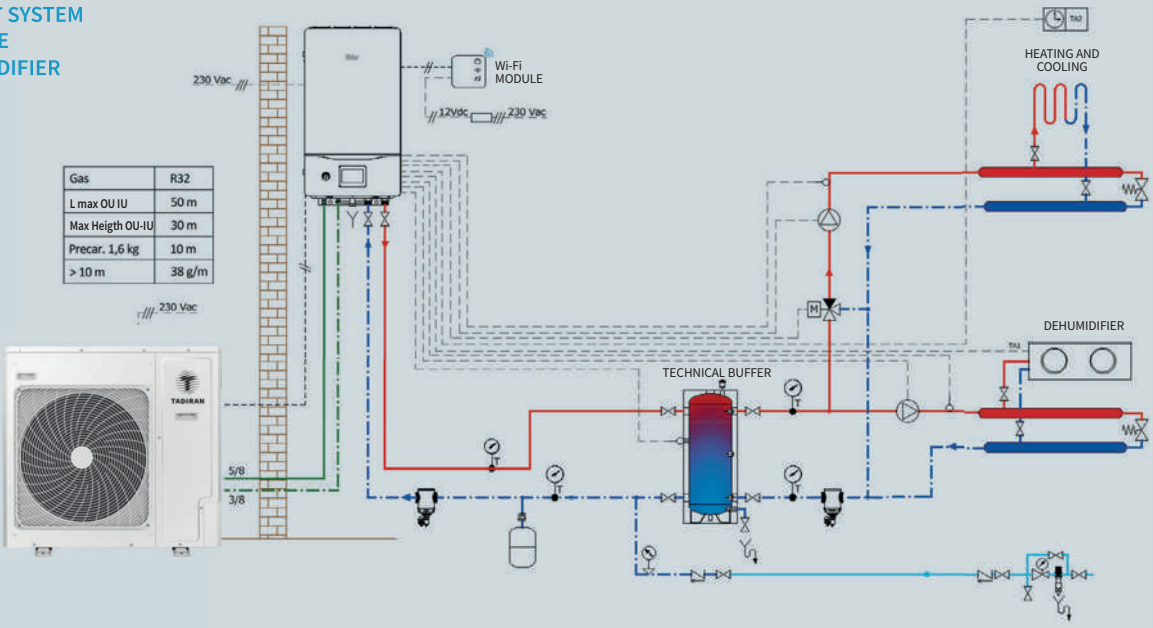
SYSTEM DIAGRAMS

DHW PRODUCTION AND MANAGEMENT OF THE BOOSTER CIRCUIT FOR THE HEATING AND COOLING SYSTEM



Gas	R32
L max OU IU	30 m
Max Heigth OU-IU	20 m
Precar. 1,2 kg	10 m
> 10 m	20 g/m

HEAT PUMP FOR THE MANAGEMENT OF A MIXED CIRCUIT FOR THE RADIANT SYSTEM AND A DIRECT ONE FOR THE DEHUMIDIFIER



Gas	R32
L max OU IU	50 m
Max Heigth OU-IU	30 m
Precar. 1,6 kg	10 m
> 10 m	38 g/m





WATER HEATERS

WALL-MOUNTED WATER HEATERS

The new Tadiran air-to-water heat pump water heaters use the natural refrigerant R290, a choice aligned with the latest trends in the domestic sector for sustainable, environmentally friendly solutions. With an A+ energy class, Tadiran wall-mounted water heaters ensure energy savings of up to 78%.



WALL-MOUNTED 80-110-150 L

TAD-WH80-IT
TAD-WH110-IT
TAD-WH150-IT



MAXIMUM EFFICIENCY

INTELLIGENT U-FLOW DISTRIBUTION

Thanks to the “pipe-in-pipe” system, cold water is initially introduced through side channels inside the inlet pipe, thus avoiding direct contact with the water in the tank. The water is then distributed 360° through 116 micro-holes, which ensure a uniform release. This makes it possible to heat the cold water immediately as it enters the tank, limiting its impact on the upper layer of hot water without breaking the thermal stratification. The result is a 24% increase in domestic hot water production.

INTEGRATED SHOCK PROOF SYSTEM

Electrical safety is built directly into the structure of the heat pump water heaters. The Shock Proof system uses special brass fittings, both at the inlet and at the outlet, completely insulated from the tank. This configuration eliminates the need to install additional dielectric connectors, because the structural insulation provides effective protection against accidental electric shocks.

MICRO-CHANNEL HEAT EXCHANGER AND INCOLOY-MOLYBDENUM HEATER

The wall-mounted models are equipped with a large micro-channel heat exchanger (condenser), wrapped directly around the domestic water tank. Each duct is made up of 18 micro-channels 1 mm thick, a configuration that significantly increases the useful surface for heat exchange, improving product efficiency by up to 30%. The aluminium-titanium alloy they are made of ensures excellent resistance to high thermal stress and corrosion, helping to maintain performance over time. The water heaters are also fitted with a 1.2 kW electric heater in Incoloy superalloy enriched with Molybdenum: a combination of iron, nickel and chromium highly resistant to high temperatures, boosted by a rare element such as Molybdenum, which quadruples the protection against corrosive wear compared with standard solutions available on the market.



SMART FUNCTIONS AND MANAGEMENT

The digital control system allows complete management of the heat pump water heater, displaying the tank temperature in real time and letting you set the desired set points according to the selected operating mode.

Five operating modes are available: Automatic, ECO, ELEC, Silent and Holiday.
The Sterilisation function can also be activated, programmable on a daily or weekly basis, together with the Boost function.

The ECO mode allows up to three daily time bands to be defined in which the unit produces domestic hot water, while the ELEC mode allows operation exclusively via the electric heater.

The Boost function activates the heat pump and the electric heater simultaneously to ensure fast DHW heating. The Sterilisation function can be programmed with a dedicated day and time, also by setting a specific set point.

Each mode or function is associated with a dedicated icon that appears on the main screen of the controller when active. The device is Smart Grid Ready: it can receive external signals (dry contacts) from third-party control systems to adapt the set points or interrupt production during the time bands with the highest energy cost. From the control panel it is also possible to monitor electricity consumption in kWh, with weekly and monthly detail.

All settings and functions can also be accessed remotely via the MY TADIRAN app.



WATER HEATERS

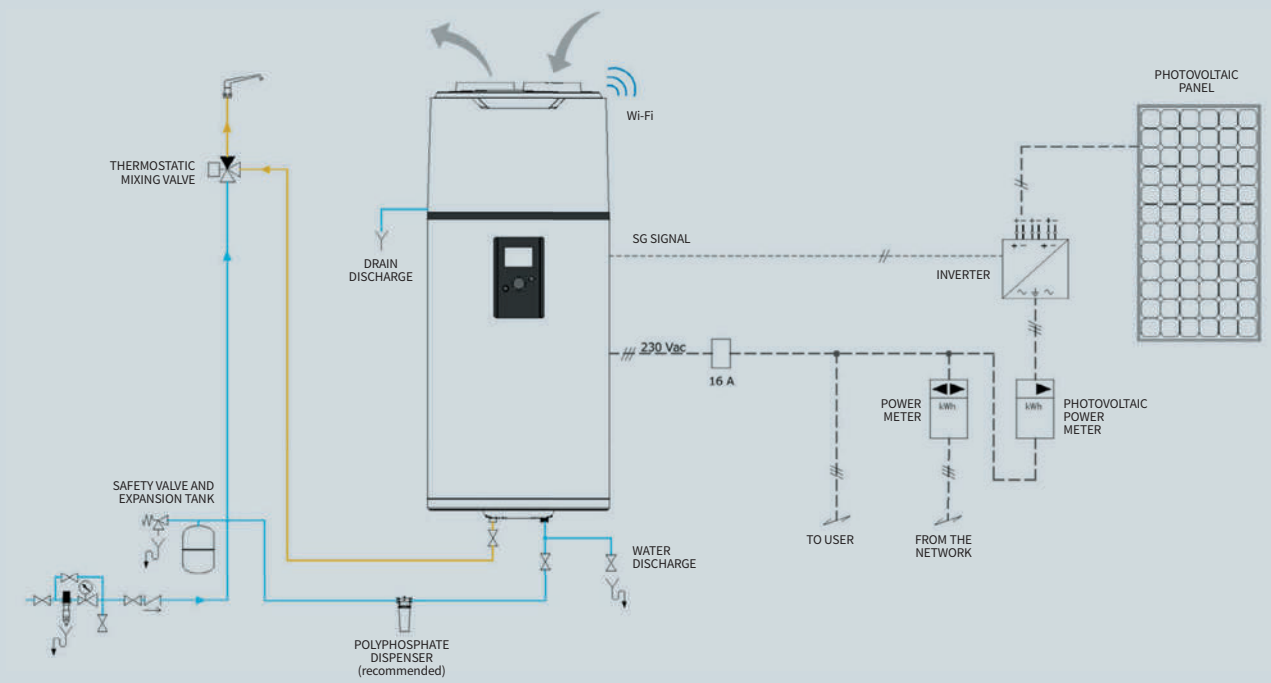


- NATURAL REFRIGERANT R290
- ENERGY CLASS A+
- LOW NOISE: UP TO 38 DB(A)
- HOLIDAY, ECO, BOOST MODES
- STANDARD CONTROLLER
- SMART GRID CONTACT AS STANDARD
- WI-FI MY TADIRAN

Model	Unit	TAD-WH80-IT	TAD-WH110-IT	TAD-WH150-IT
Volume	L	82	102	149
Type	-	wall-hung	wall-hung	wall-hung
Power supply	V/Hz	220-240/50	220-240/50	220-240/50
Max pressure	bar	8	8	8
Corrosion protection	-	magnesium anode	magnesium anode	magnesium anode
IP rating	IP	X4	X4	X4
Inverter	-	No	No	No
Nominal power input, heat pump only	W	250	250	250
Maximum heat pump power input	W	370	370	370
Maximum power input	W	1570	1570	1570
Default setpoint	°C	56	56	56
DHW temp. range with el. heater	°C	35 - 75	35 - 75	35 - 75
DHW temp. range without heater	°C	35 - 65	35 - 65	35 - 65
Refrigerant / Charge	kg	R290/0.12	R290/0.12	R290/0.12
Ozone Depletion Potential	ODP	0	0	0
Global Warming Potential	GWP	3	3	3
Sound power at 7 °C	dB(A)	50	50	50
Sound pressure at 1 m	dB(A)	36	36	36
Outdoor operating temperature	°C	-7 ~ 45	-7 ~ 45	-7 ~ 45
Installation room temperature	°C	2 ~ 45	2 ~ 45	2 ~ 45
Performance (EN16147)				
COP at 2 °C	°C	2,38	2,55	2,65
Heating efficiency	%	99	107	110
Energy efficiency class	-	A	A+	A
Max usable water volume at 40°C	L	107,4	129,2	191,5
COP at 7 °C	°C	2,91	2,79	3,03
Heating efficiency	%	121	118	125
Energy efficiency class	-	A+	A+	A+
Max usable water volume at 40°C	L	103,8	133,0	190,0
COP at 14 °C	°C	3,07	3,32	3,39
Heating efficiency	%	129	140	140
Energy efficiency class	-	A+	A++	A+
Max usable water volume at 40°C	L	105,7	131,9	184,3
Heat-up time at 7°C	H:min	04:26	05:38	08:37
Heat-up time at 14°C	H:min	03:48	04:47	07:11
Profile	-	M	M	L
Standby power	kW	0,019	0,02	0,026
Dimensions				
Hot water outlet	inches	R1/2"M	R1/2"M	R1/2"M
Cold water inlet (and tank drain)	inches	R1/2"M	R1/2"M	R1/2"M
Safety valve connection	inches	R1/2"M	R1/2"M	R1/2"M
Dimensions WxDxH	mm	492x547x1184	492x547x1334	492x547x1694
Weight	kg	53	57	69

SYSTEM DIAGRAMS

HYDRAULIC AND ELECTRICAL CONNECTION



GUIDELINES FOR SIZING THE AIR DUCTS

It is possible to:

- Duct both exhaust and intake
- Exhaust only
- Neithere

In the latter case the product must be installed in a well-ventilated room of at least 15 m^3.

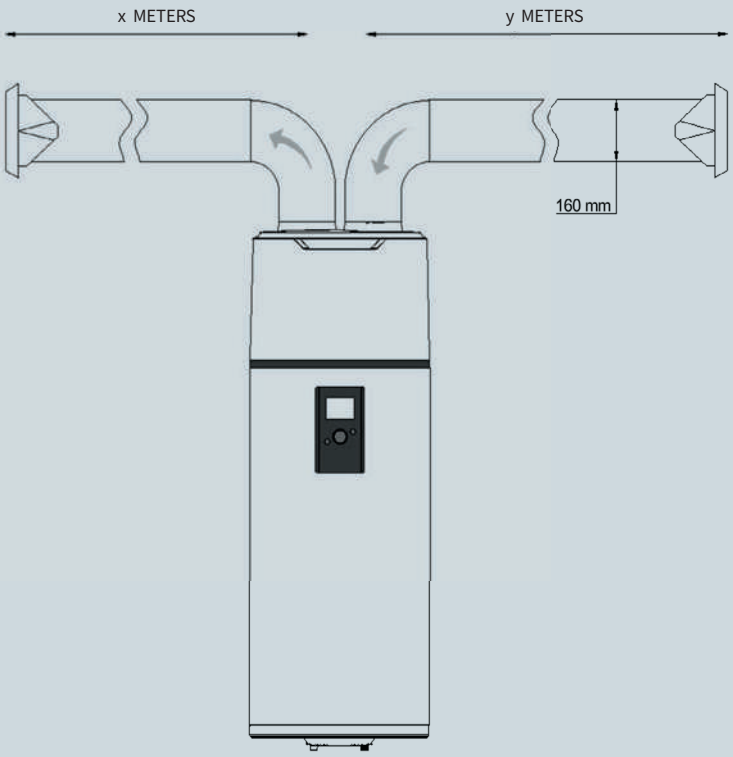
Considering two bends and two grilles:

- x + y < 40 m with PVC ducts
- x + y < 22 m with corrugated ductsi

In other cases the maximum duct length must be recalculated using the following table:

AVAILABLE PRESSURE 30 Pa *	DIAMETER 160 mm	
	PRESSURE DROP (Pa/m)	EQUIVALENT METRES
Smooth duct	0,54	1,00
Corrugated duct	0,99	1,83
PVC elbow	1,62/unità	3,00
Corrugated elbow	1,27/unità	2,35
Grille	123/unità	2,28

* for optimal performance, up to 65 Pa the system still operates normally









WATER HEATERS

FLOOR-STANDING WATER HEATERS

The new Tadiran air-to-water heat pump water heaters use the natural refrigerant R290, a choice in line with the latest domestic trends towards sustainable, environmentally friendly solutions. This natural gas delivers hot water in an efficient, ecological and comfortable way. These models integrate a solar coil for greater versatility.



FLOOR-STANDING 200-250 L

TAD-WH200S-IT
TAD-WH250S-IT



MAXIMUM EFFICIENCY

INVERTER TECHNOLOGY AND ENERGY-SAVING VENTILATION

The floor-standing models integrate a compressor with inverter technology, able to modulate the power input according to the actual demand for domestic hot water production. This system improves energy efficiency, avoiding waste and optimising operation in every phase of use. To complete the configuration, the DC fans reduce electricity consumption, with estimated savings of between 40% and 50% compared with alternating-current fans. The combination of these two technologies ensures high, consistent performance even in difficult ambient conditions, such as particularly harsh outdoor temperatures or particularly high hot water set points.

MICRO-CHANNEL TECHNOLOGY WITH AUXILIARY HEAT EXCHANGER AS STANDARD

To optimise heat exchange, the water heaters integrate a large micro-channel heat exchanger (condenser) that wraps around the lower part of the tank. Each duct is divided into 18 micro-channels 1 mm thick, a configuration that increases the exchange surface and boosts efficiency by up to 30%. The micro-channel structure is made of a special aluminium-titanium alloy, to guarantee high resistance to both high temperatures and corrosion.
The 200 and 250 litre models feature an additional heat exchanger as standard, designed for connection to auxiliary energy sources such as boilers or solar thermal systems, with a maximum flow temperature of 85 °C.

HIGH-RESISTANCE INCOLOY-MOLYBDENUM TECHNOLOGY

The floor-standing water heaters use a 1.5 kW electric heating element made of Incoloy superalloy enriched with Molybdenum. Incoloy is an alloy of iron, nickel and chromium, known for its high resistance to high temperatures. Molybdenum is a rare metal that increases resistance to corrosion by up to 4 times compared with the traditional solutions on the market.



SMART FUNCTIONS AND MANAGEMENT

The digital control panel provides complete management of the heat pump water heater, allowing you to monitor the tank temperature and set the various set points according to the selected operating mode.

The available modes are: Automatic, ECO, ELEC, Silent and Holiday.
The Sterilisation function (programmable on a daily or weekly basis) and the Boost function can also be activated.

ECO mode allows the user to configure up to three time bands per day in which the system produces domestic hot water, while ELEC mode uses the electric heating element only. The Boost function activates the heat pump and the heating element simultaneously, speeding up heating times. Sterilisation, on the other hand, can be programmed by setting the desired day, time and temperature.

Each active mode or function is represented by a dedicated icon, visible on the main screen of the controller. In the presence of an external source – such as a boiler or a solar thermal system – the system is able, thanks to a dedicated sensor, to detect its operation and switch itself off automatically to maximise energy savings.

The water heater is also Smart Grid ready: it can receive volt-free contacts from external devices to change the set points or interrupt production during the most expensive time bands in energy terms. Finally, the weekly and monthly electricity consumption in kWh can be viewed from the controller.

All settings and functions can also be accessed remotely via the MY TADIRAN app.



WATER HEATERS

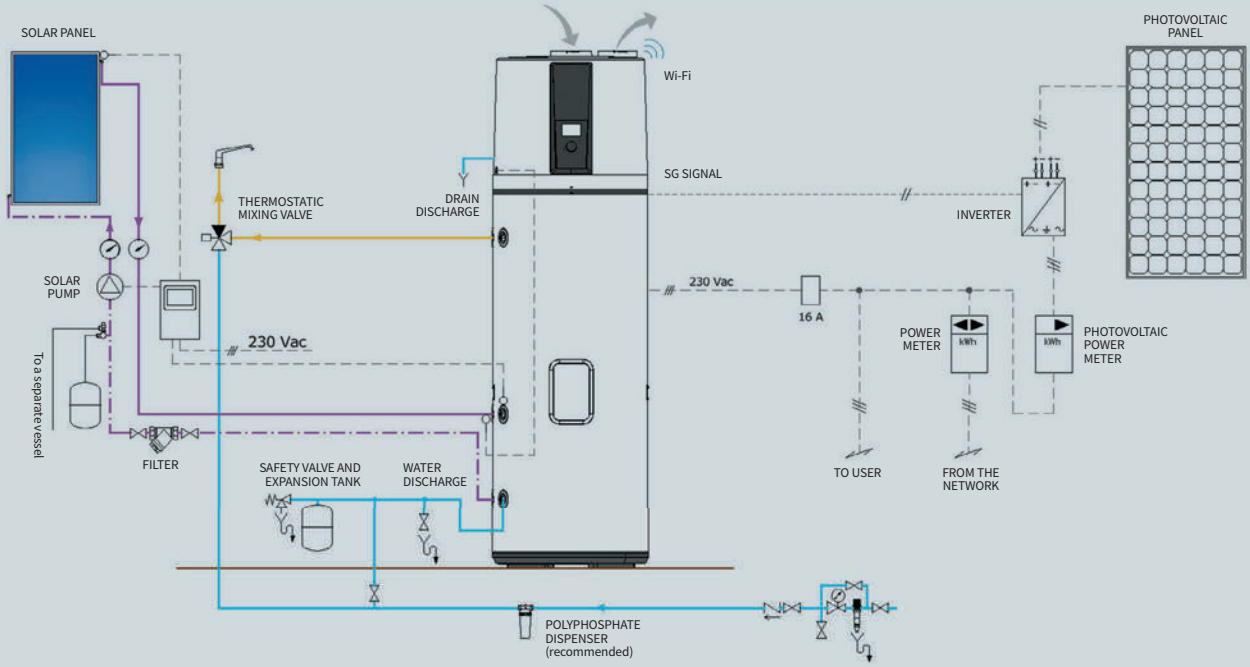


- NATURAL REFRIGERANT R290
- ENERGY CLASS A+
- LOW NOISE: AS LOW AS 36 DB(A)
- ADDITIONAL COIL FOR BOILER/SOLAR MANAGEMENT
- HOLIDAY, ECO, BOOST MODES
- CONTROLLER AS STANDARD
- SMART GRID CONTACT AS STANDARD
- WI-FI MY TADIRAN

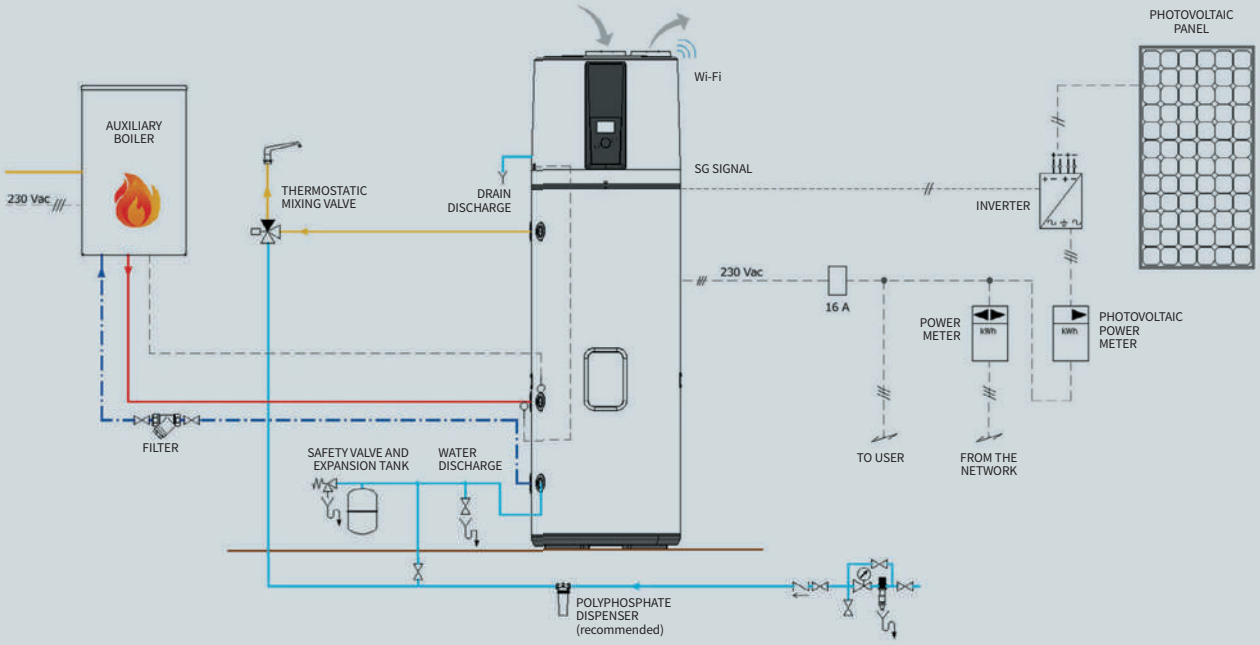
Model	Unit	TAD-WH200S-IT	TAD-WH250S-IT
Volume	L	185	240
Type	-	floor-standing	floor-standing
Power supply	V/Hz	220-240/50	220-240/50
Max pressure	bar	7	7
Corrosion protection	-	magnesium anode	magnesium anode
IP rating	IP	X4	X4
Inverter	-	Yes	Yes
Nominal power input, heat pump only	W	320	320
Maximum heat pump power input	W	535	535
Maximum power input	W	2035	2035
Default setpoint	°C	56	56
DHW temp. range with el. heater	°C	35-75	35-75
DHW temp. range without heater	°C	35-65	35-65
Refrigerant / Charge	kg	R290/0.15	R290/0.15
Ozone Depletion Potential	ODP	0	0
Global Warming Potential	GWP	3	3
Sound power at 7 °C	dB(A)	50	50
Sound pressure at 1 m	dB(A)	36	36
Outdoor operating temperature	°C	-7~45	-7~45
Installation room temperature	°C	2~45	2~45
Performance (EN16147)			
COP at 2 °C	°C	2,43	2,81
Heating efficiency	%	101	117
Energy efficiency class	-	A	A+
Max usable water volume at 40°C	L	229,0	309,4
COP at 7 °C	°C	3,27	3,29
Heating efficiency	%	138	138
Energy efficiency class	-	A+	A+
Max usable water volume at 40°C	L	228,6	314,0
COP at 14 °C	°C	3,55	3,46
Heating efficiency	%	148	144
Energy efficiency class	-	A+	A+
Max usable water volume at 40°C	L	229,6	314,0
Heat-up time at 7°C	H:min	06:43	10:06
Heat-up time at 14°C	H:min	09:03	09:42
Profile	-	L	L
Standby power	kW	0,036	0,031
Dimensions			
Hot water outlet inches	inches	Rp 3/4 Large Flow	Rp 3/4 Large Flow
Cold water inlet (and tank drain) inches	inches	Rp 3/4 Large Flow	Rp 3/4 Large Flow
Safety valve connection inches	inches	Rp 3/4	Rp 3/4
Dimensions WxDxH	mm	600x620x1694	600x620x1989
Weight	kg	97	108

SYSTEM DIAGRAMS

HYDRAULIC AND ELECTRICAL CONNECTION OF MODELS WITH ADDITIONAL COIL



Whether solar thermal, a boiler or another heat source is connected, the temperature of the water entering the additional coil must not exceed 85°C.



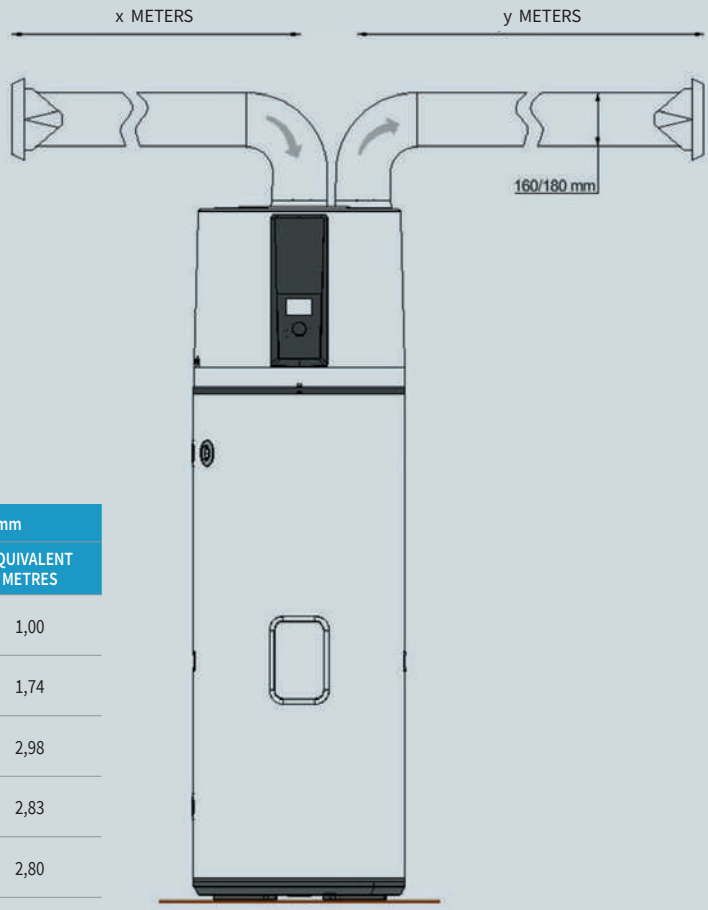
The condensate drain is located at the rear of the heat pump water heater. The sensor supplied as standard must be installed on the inlet pipe of the additional coil.

GUIDELINES FOR SIZING THE AIR DUCTS

It is possible to:
- Duct both exhaust and intake
- Exhaust only
- Neither

In the latter case the product must be installe in a well-ventilated room of at least 15 m^3.

Considering two bends and two grilles:
- x + y < 11 m with PVC ducts (diameter 160 mm)
- x + y < 6 m with corrugated ducts (diameter 160 mm)
- x + y < 22 m with PVC ducts (diameter 180 mm)
- x + y < 13 m with corrugated ducts (diameter 180 mm)



In other cases the maximum duct length must be recalculated using the following table:

AVAILABLE PRESSURE 35 Pa *	DIAMETER 160 mm		DIAMETER 180 mm	
	PRESSURE DROP (Pa/m)	EQUIVALENT METRES	PRESSURE DROP (Pa/m)	EQUIVALENT METRES
Smooth duct	1,50	1,00	0,96	1,00
Corrugated duct	2,75	1,83	1,67	1,74
PVC elbow	4,49/unit	2,99	2,86/unit	2,98
Corrugated elbow	3,54/unit	2,36	2,72/unit	2,83
Grille	3,41/unit	2,27	2,69/unit	2,80

* for optimal performance, up to 65 Pa the system still operates normally





ACCUTHERM THERMAL BATTERY

Accutherm thermal batteries are modern energy-saving thermal storage units made with a high-performance phase change material (PCM) for the supply of hot water in a reliable, safe and efficient way in a much smaller space than a DHW storage tank.
With their elegant, super-compact design, Accutherm batteries blend in with the furnishings and save precious space.
In addition, they are easy to install, have a lower environmental impact and require no routine maintenance.



ACCUTHERM E

TAD-THERM150E-IT
TAD-THERM210E-IT



ACCUTHERM X

TAD-THERM150X-IT
TAD-THERM210X-IT
TAD-THERM300X-IT



INNOVATION

SPACE-SAVING INNOVATION
Up to 4 times smaller than traditional DHW tanks.

LOWER ENERGY BILLS
You can use off-peak electricity or zero-cost photovoltaic power.

INTEGRATE YOUR PHOTOVOLTAIC SYSTEM WHENEVER YOU WANT
Just add the PV key to use your energy at zero cost.

COMFORTABLE SHOWERS
Turn your shower into a true moment of wellbeing and comfort.

MAXIMUM SIMPLICITY
Easy to install, with less piping, no anodes and no routine maintenance obligations.

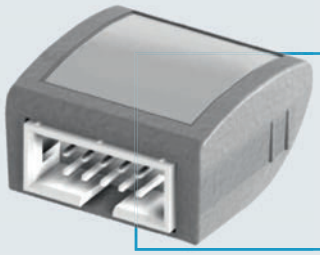
LEGIONELLA PROTECTION
Thanks to the instantaneous heat exchanger and innovative design there is no need for costly anti-legionella cycles.

MAXIMUM EFFICIENCY
Vacuum insulation panels, for minimal heat loss.

THE ACCUTHERM RANGE

The Accutherm range uses the high-performance phase change material (PCM) Plentigrade P58 for the supply of instantaneous hot water. It absorbs and releases thermal energy during a melting and freezing process similar to what happens in a pocket hand warmer.
Freezing releases an enormous amount of energy in the form of heat at a constant temperature for the supply of instantaneous hot water. The exclusive formula stores up to four times more energy than water, so Accutherm thermal batteries are up to four times smaller than the DHW storage tanks they replace.
Plentigrade P58 contains no toxic or hazardous materials and poses no disposal problems at the end of its life cycle.



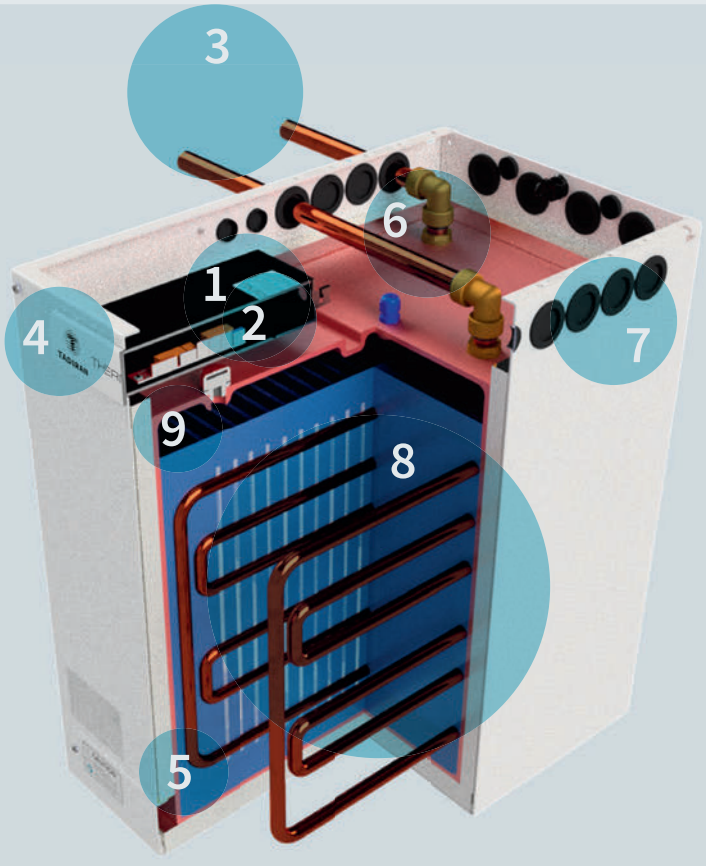


HP KEY

Accutherm X works with boilers, with our heat pump and with a photovoltaic system.
Just add the HP key.

COMPONENTS

1. Controller
2. HP key
3. Both direct and indirect heating models work with a wide range of energy sources (electricity, photovoltaic, heat pumps and boilers)
4. The simple, intuitive user interface shows the charge status of the thermal battery
5. Unique 10-year market warranty on heating element and storage, including the PCM
6. Quick and easy installation, with swivel quick-connect fittings included
7. Flexible orientation with connection on three sides
8. High-power instantaneous heat exchanger forcomfortable full-pressure showers
9. The patented phase change material Plentigrade P58, which stores 4 times more energy than water

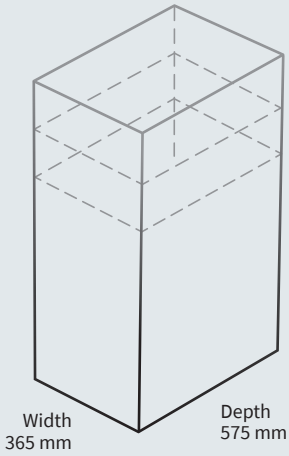


CHOOSE YOUR ACCUTHERM

	ACCUTHERM X	ACCUTHERM E
Boiler	■ with vf key	-
Mains power supply 24 hours a day	□	■
Recharge outside peak hours / Variable tariff	□	□
Photovoltaic	■ with hpPV or vpPV key	□ with PV key
Heat pump	■ with HP key	-

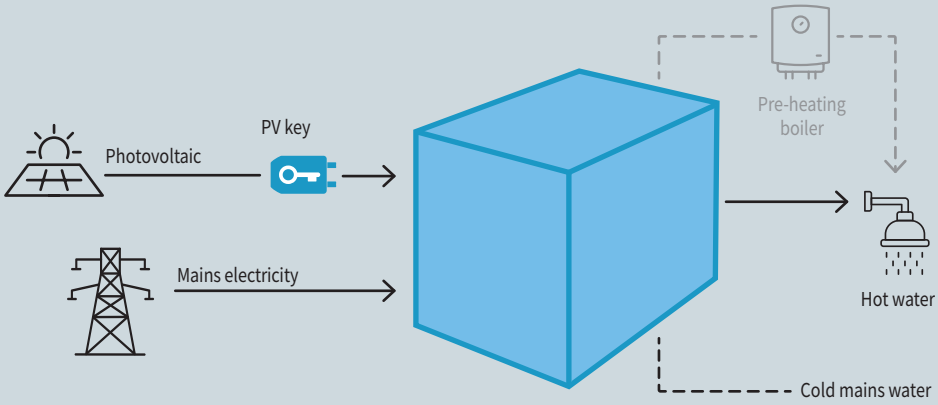
■ Primary energy source □ Secondary / optional energy source

DIMENSIONS

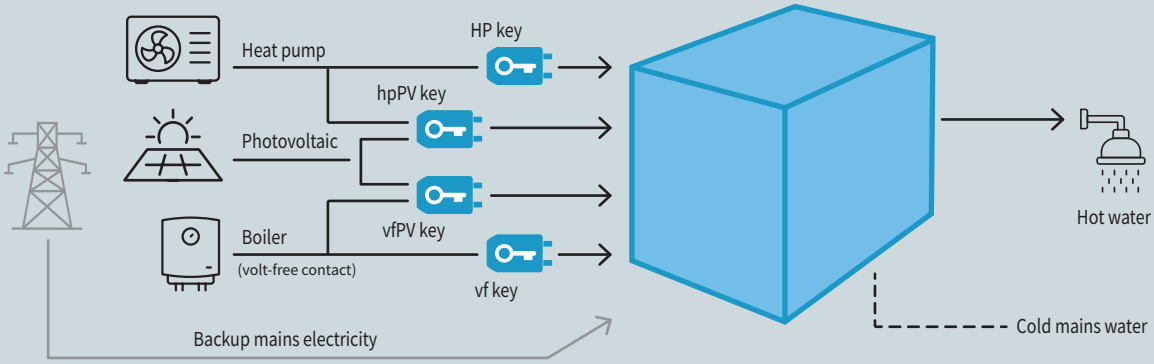


HOW IT WORKS

ACCUTHERM E



ACCUTHERM X



ACCUTHERM E

TAD-THERM150E-IT
TAD-THERM210E-IT



Technical data Accutherm E	TAD-THERM150E-IT	TAD-THERM210E-IT
Electric heater power at 230 V, 50 Hz (W)	**1.800**	
Equivalent DHW tank volume (L)	140	212
V40 (L)*	199	301
Heat losses (kWh/24h)(W)	0,67 (28,1)	0,77 (32,1)
Energy efficiency class	C	
Nominal water flow rate (L/min)	15	20
Minimum mains pressure (bar/MPa)	1,5 /0,15	
Maximum operating pressure (bar/MPa)	5/0,5	
Recommended mixing valve temperature (°C)	45-55	
Annual electricity consumption (kWh/year)	1.398	2.690
Product weight in use (kg)	140	178

ACCUTHERM X

TAD-THERM150X-IT
TAD-THERM210X-IT
TAD-THERM300X-IT



Technical data Accutherm X	TAD-THERM150X-IT	TAD-THERM210X-IT	TAD-THERM300X-IT
Electric heater power at 230 V, 50 Hz (W)	**1.800**		
Equivalent DHW tank volume (L)	128	192	256
V40 (L)*	167	271	333
Heat losses (kWh/24h)(W)	0,67 (28,1)	0,77 (32,1)	0,84 (34,9)
Energy efficiency class	A+		
Nominal water flow rate (L/min)	15	20	25
Minimum mains pressure (bar/MPa)	1,5/0,15		
Maximum operating pressure (bar/MPa)	5/0,5		
Recommended mixing valve temperature (°C)	45-55		
Product weight in use (kg)	136	187	233

* V40 refers to the volume (in litres) of hot water available at 40 °C. N.B.: installing a mixing valve at the hot water outlet is recommended, to prevent the risk of scalding.

NOTE

NOTE



07/2026

TADIRAN

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