



TADIRAN

Air-Conditioners

50Hz Air Conditioners



2008

Comfort Zone

Comfort and tranquility... whatever the weather!



For more than 40 years, Tadiran Air Conditioners' ambitious objective has been to design and manufacture modern air conditioning systems, using innovative technologies in all areas- from superior performance to reduced power consumption, from air treatment to expert back-up and technical assistance.

Tadiran creates heavy duty products with economical prices that offer intelligence, functionality and the highest standards in quality, improved indoor air quality, all in order to create comfortable environments, regardless of the climate.

Excellence at Tadiran applies not only to internal processes, but also to taking care of the world we all share. Environmental preservation is a strong company value and Tadiran strives to ensure that its wide range of products create an effective and healthy balance between the comfort of today and the world we live in tomorrow.

Comfort Zone

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Comfort Zone

Infinity & Beyond - Special Comfort Features



Refrigerant system*

Allows oil trap free, extended pipes up to 50m length & 30m height between indoor and outdoor units. Protects the compressor from refrigerant flooding.



I feel

The air conditioner's remote control incorporates an advanced sensor, which constantly senses the vicinity of the user, or alternatively, the temperature of the ambient air, according to the user's choice.



Dehumidification function

A special dehumidifying program reduces room humidity and excess moisture, creating a comfortable atmosphere without overcooling.



Auto Restart Function

When the power is off and then on, the unit automatically restores the previous function setting.



Three time zones & weekly function

Temperatures can be set to occur daily according to three different time zones within a 24-hour period.



Sleep mode

This function enables the unit to automatically increase cooling or decrease heating 0.5°C per hour, then hold steady for the next 5 hours. After that the unit stops. It can maintain the most comfortable temperature and save energy.



Auto temperature changeover

You may switch with ease from cooling mode to heating mode or vice versa, according to set temperature.



Two-speed outdoor fan

With two-speed fan motor, the outdoor unit can operate powerfully at high speed or can be adjusted to quiet and low speed operation at night.



Anti-cold air function (heat pump only)

In heating mode, the fan speed is controlled according to the evaporator's temperature. Only when the temperature is high enough, the fan begins to operate preventing any cold air.



Hydrophilic Aluminum Fin*

It improves the cooling efficiency in the indoor unit by enabling the unrestricted flow of condensate between the heat exchange fins. In the outdoor unit, it improves the heating efficiency by accelerating the defrosting process.

*Specific models only



Low ambient kit*

The air conditioning unit can operate in cooling mode at low ambient temperature conditions. The kit is suitable for special applications such as computer and power station control rooms where cooling is required even during winter.



Turbo Mode

This function enables the unit to reach the preset temperature in the shortest time.



Operating at Full Range Voltage

Air conditioner can run when the voltage is between 157V and 260V.



Multi-Bend Heat Exchanger*

Compared with conventional models - the Tadiran air-conditioners adopt multi-bend heat exchangers. It helps increase the heat-exchange surface and by it, improves efficiency.



LCD Display*

New advanced LCD with a variety of functions.



Network tech*

Indoor temperature and sensor's value can be checked, and auto failure alarm can be monitored by computer. Operations (such as On/Off, fan speed, temperature and timer's setting) can be also controlled via computer.



Temp. Compensation

The ceiling temperature is often higher than the floor temperature. This function automatically eliminates the temperature difference between them.



Self-diagnosis and Auto-protection Function

This function can electronically detect the errors and display the diagnosis by a series of flashing LEDs on the indoor unit. Then the unit will automatically switch to protection mode.



Intelligent defrosting

Condenser will frost when air conditioner is on heating mode. The electronic control with the new intelligent defrosting mode will defrost according to the outdoor coil temperature.



WEEE & RoHS directive

Tadiran is dedicated to environment protection, all its air conditioners comply with the demand of WEEE & RoHS Directive.

*Specific models only

Comfort Zone

Comfort & Convenience



5 Functions:

1. Auto
2. Dehumidification
3. Heating
4. Cooling
5. Ventillation.



TACSER

This easy-to-use, hand-held device can examine the air conditioner's system operation.



TAC662 (RTD)-Wired Control

The control allows the operating parameters to be set for the indoor unit. It also allows faults to be displayed and unit configurations to be set up. The weekly timer is fitted to this control.



Major reduction in noise level for outdoor units

The noise emitted by the outdoor units has been significantly reduced. There is no intrusive noise during start-up due to the new 3- fan-blades and the high efficiency scroll compressor.



Plastic protective net for marine environment



New fan blade design with large diameter for better air flow and noise reduction

Comfort Zone

MaxComfort TAC910

Multi-Zone Variable Temperature & Airflow System

Features:

- Smart solution for every user
- Activates the dampers in each room to maintain desired room temperature (accurate temperature in every room +/- 0.5C°)
- Quick reaction to requested temperature changes from TAC920 room remote control to TAC910 central processor
- Regulates indoor fan speed according to accumulated damper demand
- Bypass damper for air pressure relief
- Motorized operation in order to control the airflow and temperature in each room
- Easy and convenient installation (no need for tools)- plug & play method
- Up to 8 different rooms/offices per system

The system is comprised of the following:

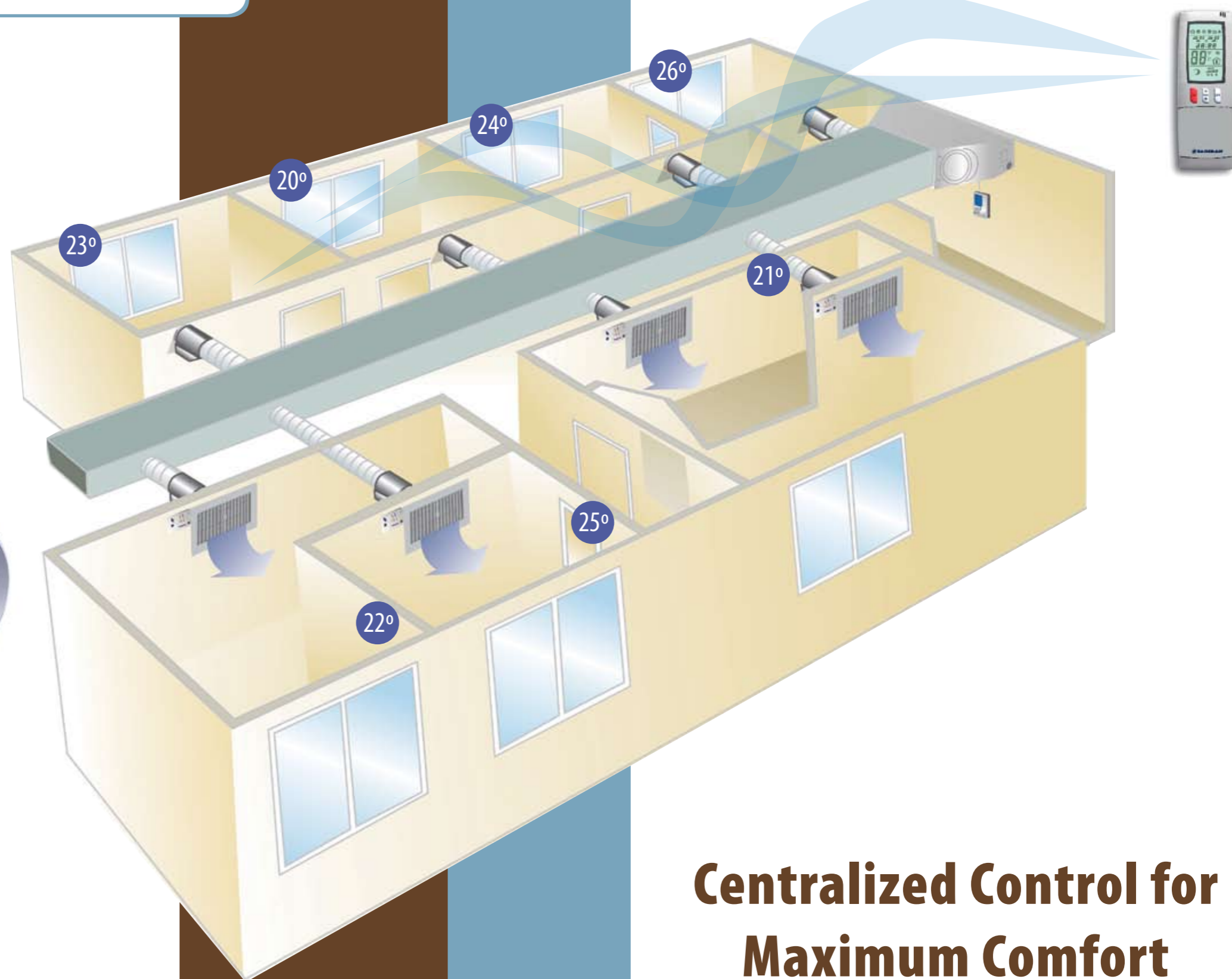
- TAC910 multiple zone control unit
- Wireless remote control unit for each room (TAC920)
- Three-size dampers (8", 10", 12")
- Infrared receiver for each room (Display)

Each damper kit contains:

- Damper
- Display
- Remote controller
- Two sets of 3-meter-cable (optional: 10 meter)

TAC920 - Individual room remote control

- Temperature control
- Current room temperature
- Damper position control
- Real time clock
- On/Off timer and daily setting
- Sleep mode

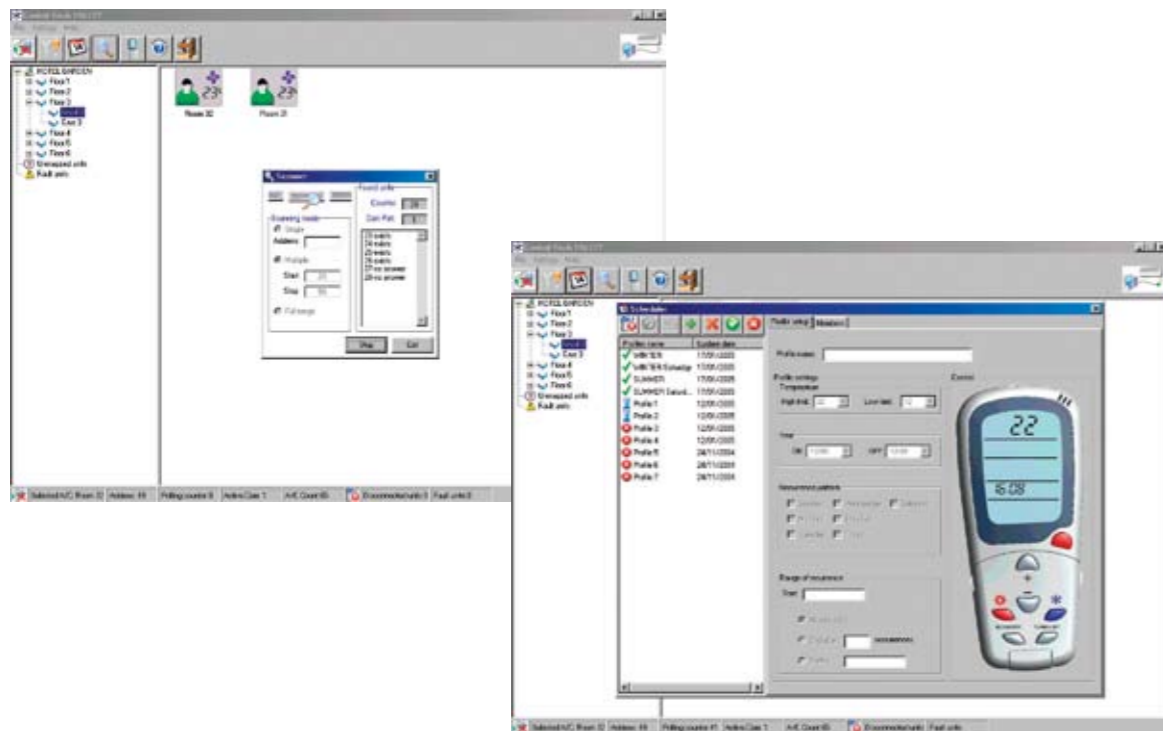


**Centralized Control for
Maximum Comfort**

Comfort Zone

TAC777-Central Management System

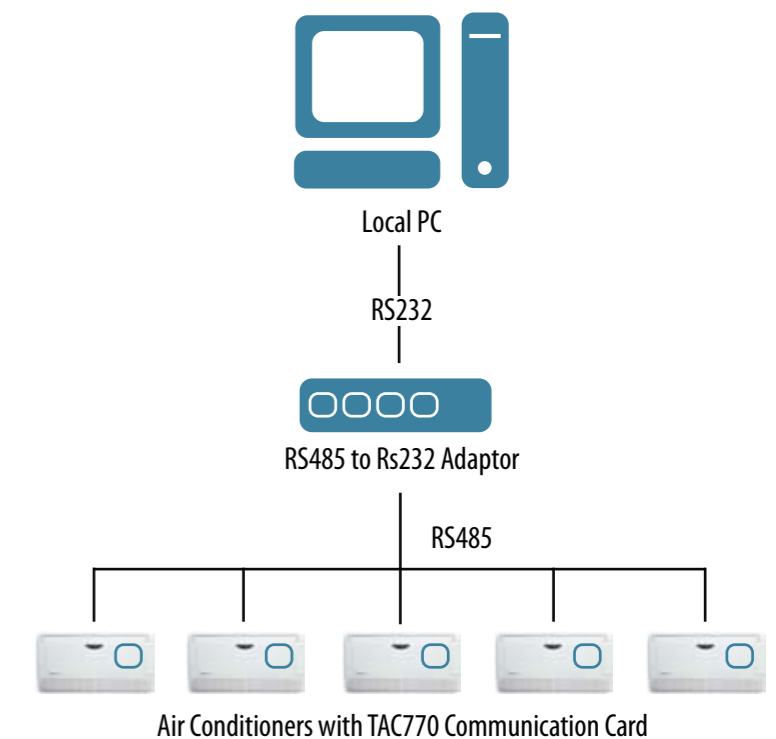
The central controller can control up to 245 indoor units individually. All their individual functions can be controlled. Malfunction checks are available for each indoor unit. This controller can also connect to the weekly timer and has volt-free inputs to enable the indoor units and indicate a fault. It has the ability to shut down all units in the event of a fire (optional).



General Features

- Up to 245 a/c units can be controlled via each local PC
- Friendly and easy operation for the end user
- Windows2000; Windows XP compatible
- Anti-theft signal via email or sms (optional)
- Real-time fault listing
- Suitable for hotels, schools, public institutions etc.

System Layout



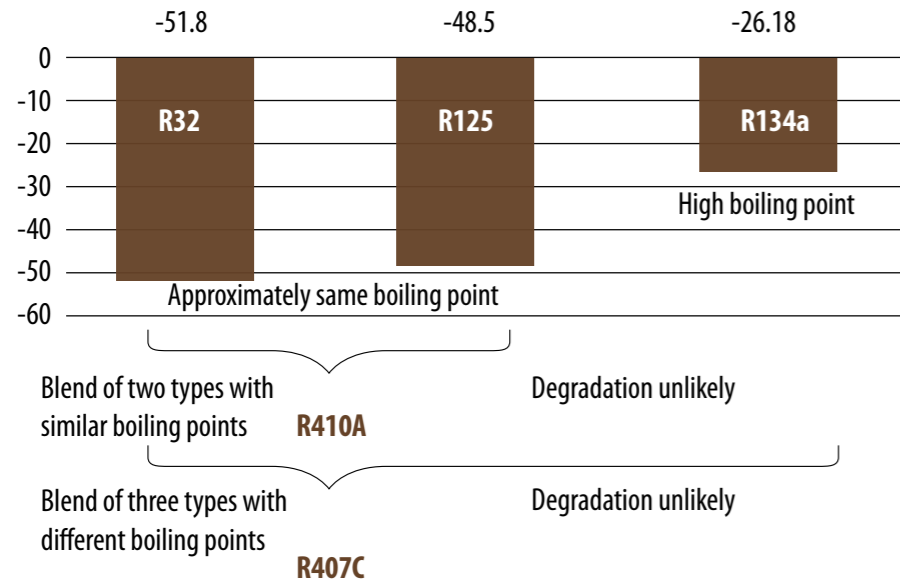
Comfort Zone

Benefits of using R410A Refrigerant

Incorporating the energy efficient, non-ozone-depleting R410A refrigerant in air conditioning systems delivers multiple benefits:

- Zero ozone-depleting potential
- Significant increase in energy efficiency
- Reduced pressure loss for improved performance

Comparison of refrigerant boiling points (liquid and gas)



High Efficiency

The EU energy label directive has demonstrated the era of energy saving. Tadiran is always dedicated to this trend and is able to offer customers full range of air conditioners from class A to class E.

High efficiency according to EU energy label

With the powerful compressor and optimized refrigerant, the EER can reach EU energy label class A (over 3.0w/w), and by this, greatly reduces the power consumption.

Energy		Air-conditioner
Manufacturer		TADIRAN
Outside unit		
Inside unit		
More efficient	A, B, C, D, E, F, G	A
Less efficient		
Annual energy consumption, kWh in cooling mode (Actual consumption will depend on how the appliance is used and climate)		
Cooling output	KW	
Energy efficiency ratio (Full load, low higher than 50°C)		
Type	Cooling only, Cooling+Heating, Air cooled, Water cooled	
Heat output	KW	
Heating performance (A: higher, G: lower)		
Noise (dB(A) re 1 pW)		
Further information is contained in product brochures		
Norm EN 814 Air-conditioning Energy Label Directive 2002/91/EC		51302678850

* For illustration only.



R410A Refrigerant

High Efficiency and Environmental Stewardship



Low Profile Ducted Condensing Unit

Ocean Jasper - NEW!

Hidden Comfort

These concealed condensers are ideal for residential and light commercial applications, satisfying the necessities of hidden installations. The models are modular and offer the following comfort features:

- Condensers with centrifugal fan
- Various configurations of return air
- Low noise level
- Detachable main panels for easy service access and fast inter-change of inlet and outlet air directions
- Operating temperatures between -8C (rotary) and -17C (scroll) to +48C
- Flexible installation
- Economical use



MODEL		DCDU-12	DCDU-18	DCDU-24	DCDU-30
Cooling Capacity	KW	3.5	5	7	8.5
Heating Capacity	KW	3.5	5	7	8.5
COP	W/W	3.01	3.01	2.81	2.81
Piping length	m	30	30	30	30
Height Difference between the indoor and the outdoor	m	15	15	15	15
Static Pressure	Pa	30	60	60	80
Unit Dimensions (WxHxD)	mm	1200 x 395 x 750	1200 x 395 x 750	1200 x 395 x 750	1400 x 440 x 750
Net Weight	Kg	85	85	95	120
Refrigeration Connections	Inch	1/4-1/2	1/4-1/2	3/8-5/8	3/8-3/4
Air Flow	CFM	1300	1300	1600	2200
Sound Pressure (ductless)	dBA	63	63	63	67
Sound Pressure (with duct)*	dBA	58	58	58	60

Remarks: * Tested duct length: 2m
Cooling conditions: 27°C db, 19°C wb / 35°C db, 24°C wb
Heating conditions: 20°C db, 15°C wb / 7°C db, 6°C wb
Nominal capacities

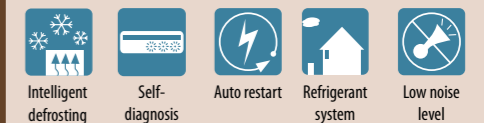
Additional accessories (optional):

- Pressure switch for low ambient temperatures when operating in cooling mode
- Coil corrosion-protection for marine environments
- Water pump



MODEL		DCDU-30/3	DCDU-36	DCDU-36/3	DCDU-42/3	DCDU-48/3
Cooling Capacity	KW	8.5	10	10	12.5	14
Heating Capacity	KW	8.5	10	10	12.5	14
COP	W/W	2.81	2.81	2.81	3.01	2.61
Piping length	m	30	30	30	30	30
Height Difference between the indoor and the outdoor	m	15	15	15	15	15
Static Pressure	Pa	80	80	80	80	80
Unit Dimensions (WxHxD)	mm	1400 x 440 x 750	1400 x 440 x 750	1400 x 440 x 750	1400 x 440 x 750	1400 x 440 x 750
Net Weight	Kg	120	130	130	150	150
Refrigeration Connections	in.	3/8-3/4	3/8-3/4	3/8-3/4	3/8-3/4	3/8-3/4
Air Flow	CFM	2200	2200	2200	3000	3000
Sound Pressure (ductless)	dBA	67	66	66	66	66
Sound Pressure (with duct)*	dBA	60	60	60	60	60

Remarks: * Tested duct length: 2m
Cooling conditions: 27°C db, 19°C wb / 35°C db, 24°C wb
Heating conditions: 20°C db, 15°C wb / 7°C db, 6°C wb

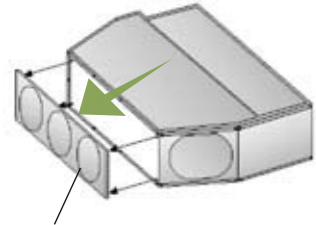


Low Profile Ducted Units

Sapphire Star

Cutting edge technology

- Indoor unit - only 285 mm high for minimum false ceiling options
- Indoor unit's front panel can be opened in order to insert metal duct
- New display with weekly program
- TAC910 MaxComfort System to maintain the various temperatures in different rooms for individual convenience (optional)
- Static pressure - up to 100PA
- Auto restart (after power failure)
- Thermistor control for anti-ice and de-frost



Removable panel



Model	50Hz	AVG-17H	AVG-23H	AVG-25H	AVG-28H
Capacity					
Capacity Cooling	Btu/h	17100	23200	24700	28200
	W	5010	6800	7240	8260
Capacity Heating	Btu/h	17500	24000	25300	29000
	W	5130	7030	7420	8500
Electrical Data					
Power Consumption Cooling	W	1730	2340	2770	2850
Power Consumption Heating	W	1710	2340	2640	2830
Operating Current Cooling	A	7.7	10.6	12.6	13.1
Operating Current Heating	A	7.3	10.6	12.1	13
Performance					
EER Cooling	Btu/W	2.9	2.9	2.61	2.9
COP Heating	W/W	3	3	2.81	3
Moisture Removal	L/h	1.7	2.5	2.7	2.8
Power Supply	V, Hz, Ph	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1
Refrigerant Lines - Drain	mm	16	16	16	16
Refrigerant Lines - Diameter	in.	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"
Maximum Piping Length	m	30	50	50	50
Maximum Height Difference*	m	20	30	30	30
Indoor Unit					
Dimensions LxHxD	mm	800x285x750	800x285x750	800x285x750	1150x285x750
Net Weight	Kg	31	31	31	47
Air Flow (Turbo/High/Low)	cfm	620/550/480	620/550/480	800/660/550	1250/1050/850
Noise Level (Turbo/High/Low)	dB(A)	52/49/46	52/49/46	52/49/46	57/52/49
Outdoor Unit					
Dimensions LxHxD	mm	900x640x320	900x640x320	900x640x320	1100x640x320
Net Weight	Kg	64	65	65	72
Air Flow (High/Low)	cfm	2300/1500	2300/1500	2300/1500	2300/1500
Noise Level (High/Low)	dB(A)	59/56	59/56	59/56	59/56

Specifications and performance data are subject to change without prior notice for product improvement purposes. Remote control is supplied as an accessory.

Model	50Hz	AVG-34H	AVG-36H	AVG-363H	AVG-413H	AVG-443H
Capacity						
Capacity Cooling	Btu/h	33600	35100	35100	41000	44000
	W	9850	10290	10290	12000	12900
Capacity Heating	Btu/h	33800	36000	36000	42000	44000
	W	9910	10550	10550	12300	12900
Electrical Data						
Power Consumption Cooling	W	3340	3550	3550	4135	4590
Power Consumption Heating	W	3300	3520	3520	4100	4450
Operating Current Cooling	A	15.5	16.8	8.3/4.6/4.6	10.0/5.2/5.2	10.8/6.0/6.0
Operating Current Heating	A	14.7	16.5	8.2/4.6/4.6	9.9/5.1/5.1	10.5/5.7/5.7
Performance						
EER Cooling	Btu/W	2.95	2.9	2.9	2.9	2.81
COP Heating	W/W	3	3	3	3	2.9
Moisture Removal	L/h	3.1	3.5	3.5	4.1	4.1
Power Supply	V, Hz, Ph	220'240, 50, 1	220'240, 50, 1	380'415, 50, 3	380'415, 50, 3	380'415, 50, 3
Refrigerant Lines - Drain	mm	16	16	16	16	16
Refrigerant Lines - Diameter	in.	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"
Maximum Piping Length	m	50	50	50	50	50
Maximum Height Difference*	m	30	30	30	30	30
Indoor Unit						
Dimensions LxHxD	mm	1150x285x750	1150x285x750	1150x285x750	1150x285x750	1150x285x750
Net Weight	Kg	47	47	47	52	52
Air Flow (Turbo/High/Low)	cfm	1400/1200/1020	1400/1200/1020	1400/1200/1020	1400/1200/1020	1400/1200/1020
Noise Level (Turbo/High/Low)	dB(A)	57/52/49	59/54/51	59/54/51	59/54/51	59/54/51
Outdoor Unit						
Dimensions LxHxD	mm	1100x640x320	1140x640x400	1140x640x400	1140x640x400	1280x900x320
Net Weight	Kg	72	90	90	90	105
Air Flow (High/Low)	cfm	2300/1500	2300/1500	2300/1500	2300/1500	4600/3000
Noise Level (High/Low)	dB(A)	59/56	59/56	59/56	59/56	63/60

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- Three time zones
- I feel
- Self-Diagnosis
- Intelligent defrosting
- Sleep mode function
- Low voltage start up
- Auto restart
- Low noise level
- TURBO
- Anti-cold air function

Sapphire Intensity

Smooth control

- Indoor unit - only 200 mm height - the perfect solution for false ceilings
- Small dimensions
- New display with weekly program
- Auto restart (after power failure)
- Thermistor control for anti-ice and de-frost
- Plastic protective net for anti-rust (condensing unit)
- Ultra-low and quiet operation
- Easy installation



Model	50Hz	AVN-12H	AVN-16H	AVN-22H
Capacity				
Capacity Cooling	Btu/h	11500	16000	21500
	W	3400	4700	6300
Capacity Heating	Btu/h	11500	16000	22000
	W	3400	4700	6400
Electrical Data				
Power Consumption Cooling	W	1230	1710	2380
Power Consumption Heating	W	1200	1670	2340
Operating Current Cooling	A	5.6	7.7	10.8
Operating Current Heating	A	5.5	7.6	10.6
Performance				
EER Cooling	Btu/W	2.75	2.75	2.65
COP Heating	W/W	2.8	2.8	2.75
Moisture Removal	L/h	1.2	1.6	2.40
Power Supply	V, Hz, Ph	230,50,1	230,50,1	230,50,1
Refrigerant Lines - Drain	mm	16	16	16
Refrigerant Lines - Diameter (liquid, gas)	in.	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"
Maximum Piping Length	m	15(49)	30(98)	30(98)
Maximum Height Difference	m	10(33)	20(66)	20(66)
Indoor Unit				
Dimensions LxHxD	mm	850x200x540	1000x200x598	1000x200x598
Net Weight	Kg	24	25	25
Air Flow (Turbo/High/Low)	cfm	670/540/450	670/540/450	670/540/450
Noise Level (Turbo/High/Low)	dB(A)	35/31/27	35/31/27	35/31/27
Outdoor Unit				
Dimensions LxHxD	mm	730x265x540	900x320x640	900x320x640
Net Weight	Kg	37	63	65
Air Flow (High/Low)	cfm	1100/830	2300/1500	2300/1500
Noise Level (High/Low)	dB(A)	50/48	54/51	54/51

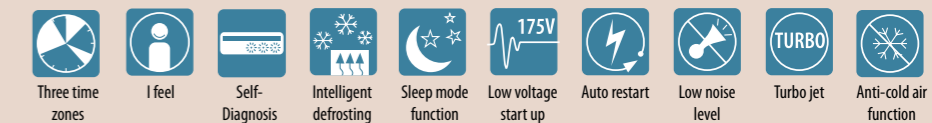
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- Indoor unit - only 285 mm height for minimum false ceiling options
- Indoor unit's front panel can be opened in order to insert metal duct
- Electro-mechanical dampers to maintain the various temperatures in different rooms for individual convenience (optional)
- Static pressure - up to 100PA



Model	50Hz	AVGI-17H	AVGI-24H	AVGI-28H	AVGI-32H	AVGI-323H	AVGI-36H	AVGI-363H
Capacity								
Capacity Cooling	Btu/h	17000	22900	26000	31000	31000	34300	34300
	W	4980	6710	7620	9085	9085	10050	10050
Capacity Heating	Btu/h	16500	23200	26600	28000	28000	34300	34300
	W	4840	6800	7800	8205	8205	10050	10050
Electrical Data								
Power Consumption Cooling	W	1810	2530	2920	3365	3365	3722	3722
Power Consumption Heating	W	1670	2385	2775	3100	3100	3340	3340
Operating Current Cooling	A	8.4	11.7	13.5	15.6	8.0/4.3/4.3	17.2	8.6/4.9/4.9
Operating Current Heating	A	7.7	11.1	12.8	14.3	7.6/3.9/3.9	15.4	8.0/4.3/4.3
Performance								
EER Cooling	Btu/W	2.75	2.65	2.61	2.7	2.7	2.7	2.7
COP Heating	W/W	2.9	2.85	2.81	2.65	2.65	3.01	3.01
Moisture Removal	L/h	1.7	2.5	2.7	2.8	2.8	3.5	3.5
Power Supply	V, Hz, Ph	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1	380'415, 50, 3	220'240, 50, 1	380'415, 50, 3
Refrigerant Lines - Drain	mm	16	16	16	16	16	16	16
Refrigerant Lines - Diameter	in.	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"
Maximum Piping Length	m	30	30	30	30	30	30	30
Maximum Height Difference	m	20	20	20	20	20	20	20
Indoor Unit								
Dimensions LxHxD	mm	800x285x750	800x285x750	1150x285x750	1150x285x285	1150x285x285	1150x285x285	1150x285x285
Net Weight	Kg	31	31	47	47	47	47	47
Air Flow (Turbo/High/Low)	cfm	620/550/480	620/550/480	1250/1050/850	1250/1050/850	1250/1050/850	1400/1200/1020	1400/1200/1020
Noise Level (Turbo/High/Low)	dB(A)	52/49/46	52/49/46	52/49/46	57/52/49	57/52/49	59/54/51	59/54/51
Outdoor Unit								
Dimensions LxHxD	mm	900x640x320	900x640x320	1100/640/320	1100/640/320	1100/640/320	1140x640x400	1140x640x400
Net Weight	Kg	64	65	72	72	72	90	90
Air Flow (High/Low)	cfm	2300/1500	2300/1500	2300/1500	2300/1500	2300/1500	2300/1500	2300/1500
Noise Level (High/Low)	dB(A)	59/56	59/56	59/56	59/56	59/56	59/56	59/56

Specifications and performance data are subject to change without prior notice for product improvement purposes.



High Static Pressure Ducted Units

Diamond Imperial

Maximum efficiency

- Ducted indoor unit, the perfect and effective solution for residential and light commercial applications
- One indoor unit instead of a few split units
- Various operating options:
 - From the wall-mounted weekly display
 - By wireless remote controller (optional)
 - Through TAC 777 central control system (optional)
- Medium/high static pressure



Model	50Hz	ANG-28H	ANG-32H	ANG-323H	ANG-36H	ANG-363H
Capacity						
Capacity Cooling	Btu/h	27000	31000	31000	34300	34300
	W	7910	9080	9080	10050	10050
Capacity Heating	Btu/h	27000	32000	32000	38000	34000
	W	7910	9370	9370	11140	9960
Electrical Data						
Power Consumption Cooling	W	3030	3480	3480	3790	3790
Power Consumption Heating	W	2680	3180	3180	3380	3440
Operating Current Cooling	A	13.4	15.6	6.9/5.6/5.6	17	8.0/5.4/5.4
Operating Current Heating	A	11.9	14.3	6.2/5.1/5.1	15.2	7.2/4.6/4.6
Performance						
EER Cooling	Btu/W	2.61	2.61	2.61	2.65	2.65
COP Heating	W/W	2.95	2.95	2.95	3.3	2.9
Moisture Removal	L/h	2.7	3.2	3.2	3.8	3.8
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	380`415, 50, 3	220`240, 50, 1	380`415, 50, 3
Refrigerant Lines - Drain	mm	16	16	16	16	16
Refrigerant Lines - Diameter	in.	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"
Maximum Piping Length	m	30	30	30	30	30
Maximum Height Difference*	m	20	20	20	20	20
Indoor Unit						
Dimensions LxHxD	mm	650x385x670	650x385x670	650x385x670	650x385x670	650x385x670
Net Weight	Kg	34	34	34	34	34
Air Flow (Turbo/High/Low)	cfm	920/850/730	920/850/730	920/850/730	1180/850/730	1180/850/730
Noise Level (Turbo/High/Low)	dB(A)	57/52/49	57/52/49	57/52/49	57/52/49	57/52/49
Outdoor Unit						
Dimensions LxHxD	mm	1100x640x320	1100x640x320	1100x640x320	1140x640x400	1140x640x400
Net Weight	Kg	72	75	75	90	90
Air Flow (High/Low)	cfm	2300/1500	2300/1500	2300/1500	2300/1500	2300/1500
Noise Level (High/Low)	dB(A)	59/56	59/56	59/56	59/56	59/56

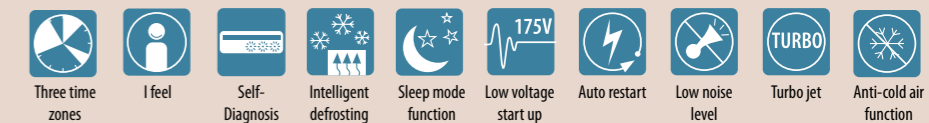
Specifications and performance data are subject to change without prior notice for product improvement purposes. Remote control is supplied as an accessory.



- Auto restart (after power failure)
- Electro-mechanical dampers to maintain the various temperatures in different rooms for individual convenience (zone control)
- Thermistor control for anti-ice and de-frost
- Electric heater to increase heating (optional)
- Drain pump (optional)
- Extended piping length (up to 50 m) and piping height (up to 30m) - for specific models
- V-shape coil to increase efficiency and to reduce height of indoor units
- Two drainage methods

Model	50Hz	ANG-42H	ANG-423H	ANG-453H	ANG-543H
Capacity					
Capacity Cooling	Btu/h	42500	42500	45000	54000
	W	12450	12450	13180	15830
Capacity Heating	Btu/h	44500	39500	46000	51000
	W	13050	11570	13470	14940
Electrical Data					
Power Consumption Cooling	W	4750	4750	4890	6060
Power Consumption Heating	W	3950	3930	4490	5140
Operating Current Cooling	A	10.8/6.3/6.3	10.8/6.3/6.3	12.8/6.4/6.4	15.1/8.4/8.4
Operating Current Heating	A	17.9	9.2/5.3/5.3	10.5/5.8/5.8	12.4/6.8/6.8
Performance					
EER Cooling	Btu/W	2.65	2.65	2.7	2.75
COP Heating	W/W	3.3	2.95	3	2.9
Moisture Removal	L/h	3.6	3.6	3.7	4
Power Supply	V, Hz, Ph	220`240, 50, 1	380`415, 50, 3	380`415, 50, 3	380`415, 50, 3
Refrigerant Lines - Drain	mm	16	16	16	16
Refrigerant Lines - Diameter	in.	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"
Maximum Piping Length	m	50	50	50	50
Maximum Height Difference*	m	30	30	30	30
Indoor Unit					
Dimensions LxHxD	mm	860x385x670	860x385x670	860x385x670	960x385x670
Net Weight	Kg	42	42	42	47
Air Flow (Turbo/High/Low)	cfm		1600/1420/1200	1600/1420/1200	1960/1520/1250
Noise Level (Turbo/High/Low)	dB(A)	59/54/51	59/54/51	59/54/51	59/54/51
Outdoor Unit					
Dimensions LxHxD	mm	1140x640x400	1140x640x400	900x1280x320	1100x1280x320
Net Weight	Kg	90	90	105	105
Air Flow (High/Low)	cfm	2300/1500	2300/1500	4600/3000	4600/3000
Noise Level (High/Low)	dB(A)	59/56	59/56	63/60	63/60

Specifications and performance data are subject to change without prior notice for product improvement purposes.



Floor and Underceiling

Amethyst Aura

Enjoying the optimal airflow

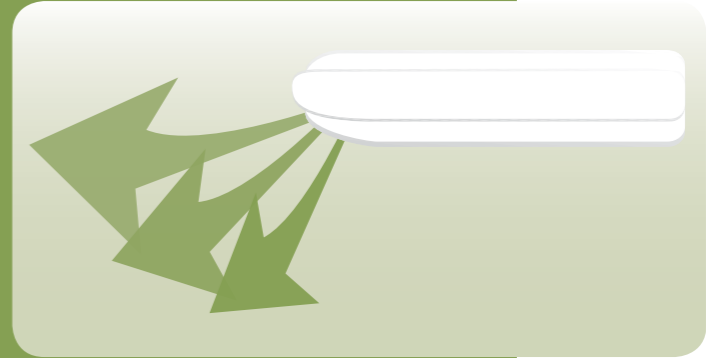
- Two installation ways: close to the floor or under the ceiling
- Smart solution for cooling/heating adjacent rooms
- Optimal air flow due to the vertical/horizontal blades
- Operating from adjacent room with additional receiver (optional)
- Wall-mounted display (optional)



Model		GCG-12H	GCG-16H	GCG-24H	GCG-28H
Capacity					
Capacity Cooling	BTU/h	11000	16200	23000	26500
	W	3200	4700	6700	7800
Capacity Heating	BTU/h	11500	17000	24000	27000
	W	3400	5000	7000	7900
Electrical Data					
Power Consumption Cooling	W	1220	1730	2490	2880
Power Consumption Heating	W	1230	1780	2470	2640
Operating Current Cooling	A	5.5	7.8	11.3	13.0
Operating Current Heating	A	5.6	8.1	11.2	12.0
Performance					
COP Cooling	W/W	2.65	2.75	2.71	2.70
COP Heating	W/W	2.75	2.81	2.85	3.00
Moisture Removal	l/h	1.1	1.3	2.50	3.20
Power Supply	V,Hz,pH	230,50,1	230,50,1	230,50,1	230,50,1
Refrigerant Lines - Drain	mm	16	16	16	16
Refrigerant Lines - Diameter (liquid,gas)	in.	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"
Maximum Piping Length	m(ft)	15(49)	30(98)	30(98)	30(98)
Maximum Height Difference	m(ft)	10(33)	20(66)	20(66)	20(66)
Indoor Unit					
Dimensions LxHxD	mm	850x540x200	1000x598x200	1000x598x200	1200x610x225
Net Weight	Kg	14	16.00	20.00	36.00
Air Flow (Turbo/High/Low)	cfm	300/260/240	500/400/340	600/500/420	800/650/500
Noise Level(Turbo/High/Low)	dB(A)	34/31/29	34/31/29	34/31/29	38/36/34
Outdoor Unit					
Dimensions LxHxD	mm	730x540x265	900x640x320	900x640x320	1100x640x320
Net Weight	Kg	35	63	65	72
Air Flow (High/Low)	cfm	1100/850	2300/1500	2300/1500	2300/1500
Noise Level(High/Low)	dB(A)	50/48	54/51	54/51	54/51

Specifications and performance data are subject to change without prior notice for product improvement purposes.

Auto Swing Wide Angle Airflow



Model		GCG-32H	GCG-443H	GCG-513H
Capacity				
Capacity Cooling	BTU/h	30500	44000	51000
	W	8900	12900	14900
Capacity Heating	BTU/h	32000	45000	51000
	W	9400	13200	14900
Electrical Data				
Power Consumption Cooling	W	3310	4780	5640
Power Consumption Heating	W	3130	4400	5240
Operating Current Cooling	A	15.0	10.7/7.0/7.0	12.1/8.4/8.4
Operating Current Heating	A	14.2	10.1/6.3/6.3	12.1/7.7/7.7
Performance				
COP Cooling	W/W	2.70	2.70	2.65
COP Heating	W/W	3.00	3.00	2.85
Moisture Removal	l/h	3.80	4.0	5.0
Power Supply	V,Hz,pH	230,50,1	400,50,3	400,50,3
Refrigerant Lines-Drain	mm	16	16	16
Refrigerant Lines - Diameter (liquid, gas)	in.	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"
Maximum Piping Length	m(ft)	30(98)	50(163)	50(163)
Maximum Height Difference	m(ft)	20(66)	30(98)	30(98)
Indoor Unit				
Dimensions	mm	1200x610x225	1860x610x225	1860x610x225
Net Weight	Kg	36	48	48
Air Flow (Turbo/High/Low)	cfm	800/650/500	1400/1200/1020	1400/1200/1020
Noise Level(Turbo/High/Low)	dB(A)	38/36/34	40/38/36	40/38/36
Outdoor Unit				
Dimensions	mm	1100x640x320	900x1280x320	1100x1280x320
Net Weight	Kg	75	105	110
Air Flow (High/Low)	cfm	2300/1500	4600/3000	4600/3000
Noise Level(High/Low)	dB(A)	54/51	57/53	57/53

Specifications and performance data are subject to change without prior notice for product improvement purposes.



Emerald Rainbow

A unique design for you

- Designed with Tadiran's traditional style and feel
- Compact design
- Auto-restart function
- Reliable built-in control system
- Easy installation & maintenance
- Multiple directions of airflow vents
- Interchangeable panel

High-Wall Units



TQG



TGG - Front Panel

Model		TQG-24H	TQG-28H	TQG-32H	TQG-323H	TQG-36H	TQG-363H
Capacity							
Capacity Cooling	Btu/h	23200	25200	30600	30600	32500	32500
	W	6800	7390	8970	8970	9520	9520
Capacity Heating	Btu/h	24000	26100	32000	32000	34000	34000
	W	7035	7650	9380	9380	9960	9960
Electrical Data							
Power Consumption Cooling	W	2420	2630	3320	3320	3520	3520
Power Consumption Heating	W	2270	2470	3130	3130	3320	3320
Operating Current Cooling	A	11	11.9	14.9	14.9	15.6	6.6/5.6/5.6
Operating Current Heating	A	10.3	11.2	14	14	14.7	5.8/5.2/5.2
Performance							
COP Cooling	W/W	2.81	2.81	2.7	2.7	2.7	2.7
COP Heating	W/W	3.1	3.1	3	3	3	3
Moisture Removal	L/h	2.9	3	3.3	3.3	4.3	4.3
Power Supply	V, Hz, Ph	220' 240, 50, 1	220' 240, 50, 1	220' 240, 50, 1	380' 415, 50, 3	220' 240, 50, 1	380' 415, 50, 3
Refrigerant Lines - Drain	mm	16	16	16	16	16	16
Refrigerant Lines - Diameter	in.	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-3/4"	3/8"-3/4"
Maximum Piping Length	m	30	30	30	30	30	30
Maximum Height Difference*	m	20	20	20	20	20	20
Indoor Unit							
Dimensions LxHxD	mm	1070x290x190	1390x310x190	1390x310x190	1390x310x190	1390x310x230	1390x310x230
Net Weight	Kg	18	19	19	19	23	23
Air Flow (Turbo/High/Low)	cfm	750/610/530	890/760/630	890/760/630	890/760/630	860/730/600	860/730/600
Noise Level (Turbo/High/Low)	dB(A)	43/39/33	45/41/36	45/41/35	45/41/35	50/46/40	50/46/40
Outdoor Unit							
Dimensions LxHxD	mm	900x640x320	900x640x320	1100x640x320	1100x640x320	1140x640x400	1140x640x400
Net Weight	Kg	68	68	75	75	90	90
Air Flow (High/Low)	cfm	2300/1500	2300/1500	2300/1500	2300/1500	2300/1500	2300/1500
Noise Level (High/Low)	dB(A)	59/46	59/46	59/46	59/46	59/46	59/46

Specifications and performance data are subject to change without prior notice for product improvement purposes.

Brilliant Sparkle

Quality and elegance

- High efficiency
- Smart technology
- Auto-restart function
- Auto sense (I feel)
- Self diagnosis feature
- Easy installation and maintenance

New Design

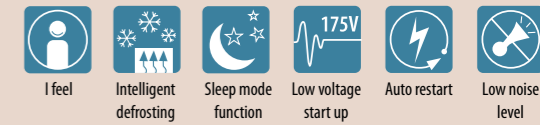
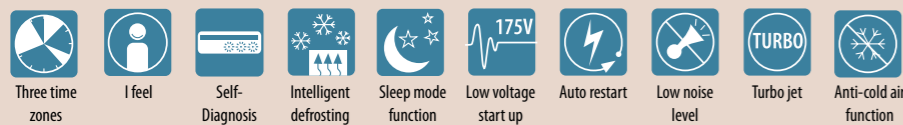


* For illustration only. Available for 7000Btu and 9000Btu.



Model		MTAD10G-07H	MTAD10G-09H	MTAD10G-12H	MTAD10G-18H	MTAD10G-24H
Capacity						
Cooling	Btu/h	7000	9000	12000	17000	23000
Heating	Btu/h	8000	11000	14000	19000	26000
Electrical Data						
Power Supply	V, Hz, Ph	220' 240,50,1	220' 240,50,1	220' 240,50,1	220' 240,50,1	220' 240,50,1
Power Input Cooling	W	780	1000	1330	1890	2650
Power Input Heating	W	800	1100	1400	1900	2570
Rated Current (Cooling/Heating)	A	3.5/3.6	4.5/4.9	6.0/6.3	8.6/8.7	12.1/11.7
Performance						
EER Cooling	Btu/W, W/W	9.0,2.63	9.0,2.64	9.0,2.64	9.0,2.63	8.7,2.54
COP Heating	W/W	2.93	2.93	2.93	2.93	2.96
Airflow-Indoor	m ³ /h	430	470	500	800	1050
Noise level- Indoor (High/Med/Low)	dB(A)	35/32/30	36/32/30	40/36/34	42/40/38	43/40/37
Noise level - Outdoor	dB(A)	50	51	52	53	56
Net Dimension & Weight						
Indoor Unit (WxHxD)	mm	750x250x188	750x250x188	750x250x188	906x286x235	1080x330x222
Outdoor Unit (WxHxD)	mm	700x535x235	700x535x235	780x540x250	760x590x285	845x695x335
Net Weight (Indoor/Outdoor)	Kg	8.5/30	8.5/32	11/36	13.5/41.5	17/62
Gross Dimension & Weight						
Indoor Unit (WxHxD)	mm	830x336x280	830x336x280	830x336x280	1020x380x328	1165x445x320
Outdoor Unit (WxHxD)	mm	815x580x325	815x580x325	910x575x335	965x770x395	970x770x395
Gross Weight (Indoor/Outdoor)	Kg	10.5/33	10.5/36	10/39	16.5/45.5	21/67
Connection Pipe Size						
Gas	in.	9.53	9.53	12.7	12.7	16.0
Liquid	in.	6.35	6.35	6.35	6.53	9.53
Applicable Area	m ²	10-14	14-21	18-26	28-40	45-56
Loading Capacity						
20/40/40HQ	sets	130/270/295	130/270/295	116/244/270	80/178/208	60/127/142

Remarks: 1. Cooling capacities are based on indoor air temp. of 27°C DB, 19°C WB and outdoor air temp. of 35°C DB, 24°C WB.
2. The above specifications are subject to change without prior notice for product improvement purposes.



Topaz Transparency

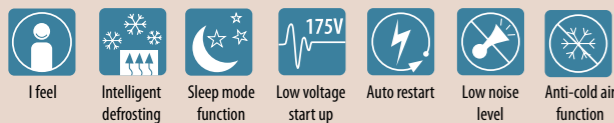
Power and efficiency

- High efficiency
- Smart technology
- Auto-restart function
- Auto sense (I feel)
- Self diagnosis feature
- Easy installation and maintenance



Model		TK10G-07H	TK10G-09H	TK10G-12H	TK10G-18H	TK10G-24H
Capacity						
Cooling	Btu/h	7000	9000	11600	18000	24000
Heating	Btu/h	7500	9400	12500	21000	26000
Electrical Data						
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1
Power Input Cooling	W	640	820	1130	1645	2300
Power Input Heating	W	610	760	1170	1700	2110
Rated Current (Cooling/Heating)	A	3.0/2.8	3.8/3.5	5.2/5.4	7.6/7.9	10.8/9.8
Performance						
EER Cooling	Btu/W	10.94	10.98	10.27	10.94	10.43
COP Heating	W/W	3.61	3.62	3.10	3.62	3.61
Airflow-Indoor	m ³ /h	440	440	480	800	960
Noise level- Indoor(High-Low)	dB(A)	35/30	35/30	36/30	43/38	47/40
Noise level- Outdoor	dB(A)	52	52	52	54	58
Net Dimension & Weight						
Indoor Unit (WxHxD)	mm	770x240x179	770x240x179	770x240x179	1025x313x203	1025x313x203
Outdoor Unit (WxHxD)	mm	715x482x240	715x482x240	715x482x240	830x637x268	832x702x380
Net Weight (Indoor/Outdoor)	Kg	8/28	8/29	8/32	14/49	14/60
Gross Dimension & Weight						
Indoor Unit (WxHxD)	mm	830x310x240	830x310x240	830x310x240	1130x400x310	1130x400x310
Outdoor Unit (WxHxD)	mm	844x531x366	844x531x366	844x531x366	980x680x400	980x770x420
Gross Weight (Indoor/Outdoor)	Kg	10.5/33	10.5/34	10.5/37	19/54	19/65
Connection Pipe Size						
Gas	in.	3/8	3/8	1/2	5/8	5/8
Liquid	in.	1/4	1/4	1/4	3/8	3/8
Applicable Area	m ²	6`12	9`18	15`25	20`36	25`50
Loading Capacity						
20/40/40HQ	sets	128/273/318	128/273/318	128/273/318	72/151/170	62/128/147

Remarks: 1. Cooling capacities are based on indoor air temp. of 27°C DB, 19°C WB and outdoor air temp. of 35°C DB, 24°C WB.
2. The above specifications are subject to change without prior notice for product improvement purposes.



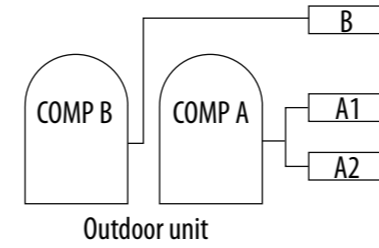
Brilliant Sparkle

New design for your home

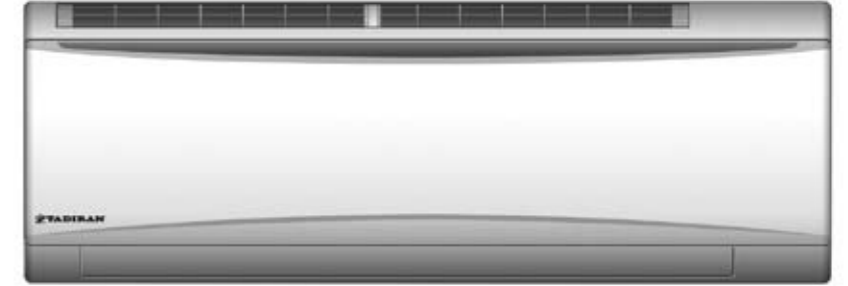
- Using one outdoor unit only in order to save space and preserve buildings' outlook
- Double and triple refrigerant circuits, operates individual indoor units and saves electricity
- Individual operating system in each room for the user's convenience
- Fixed speed

2 Compressor Triple Split Type

One constant-speed compressor drives one indoor unit, while another constant-speed compressor drives 2 indoor units



New Design

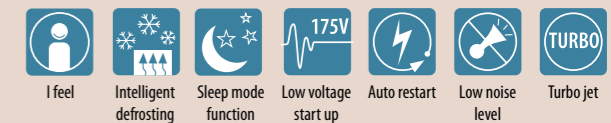


* For illustration only.

3X1

Model		MDAD10G-18H	MDAD10G-21H	MDAD10G-27H	MDAD10G-30H
Capacity					
Cooling	Btu/h	9000x2	9000+12000	9000x3	9000x2+12000
	KW	2.6x2	2.6+3.5	2.6x3	2.6x2+3.5
Heating	Btu/h	10000x2	10000+14000	10000x3	10000x2+13000
	KW	2.9x2	2.9+4.1	2.9x3	2.9x2+3.8
Electrical data					
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1
Power Input Cooling	W	890x2	890+1250	1650+1150	1800+1300
Power Input Heating	W	890x2	890+1250	1650+1150	1750+1250
Operating Current Cooling	A	4.0x2	4.0+5.7	8.0+5.5	8.2+5.8
Operating Current Heating	A	4.0x2	4.0+5.7	7.7+5.6	8.0+5.6
Performance					
COP Cooling	W/W	2.9	2.9	2.8	2.8
COP Heating	W/W	3	3.2	3.1	3.2
Airflow Volume Indoor	m ³ /h	500x2	500+680	500x3	500x2+680
Noise Level Indoor (High/Low)	dB(A)	36x2	36+39	36x3	36x2+39
Noise Level Outdoor	dB(A)	56	56	58	58
Net Dimensions & Weight					
Indoor Unit LxHxD	mm	750x250x205	750x250x205+815x280x215	750x250x205	750x250x205x2+815x280x215
Outdoor Unit LxHxD	mm	895x655x345	895x655x345	860x830x330	860x830x330
Net Weight Indoor/Outdoor	Kg	8.5x2/75	8.5+10/76	8.5x3/81	8.5x2+10/81
Gross Dimensions & Weight					
Indoor Unit LxHxD	mm	830x285x335	830x285x335+915x290x360	830x285x335	830x285x335x2+915x290x360
Outdoor Unit LxHxD	mm	1050x720x470	1050x720x470	1000x985x425	1000x985x425
Gross Weight Indoor/Outdoor	Kg	10x2/81	10+12/82	10x3/88	10x2+12/88

Remarks: 1. Cooling capacities are based on indoor air temp. of 27°C DB, 19°C WB and outdoor air temp. of 35°C DB, 24°C WB.
2. The above specifications are subject to change without prior notice for product improvement purposes.



Brilliant Sparkle

Controlling your comfort

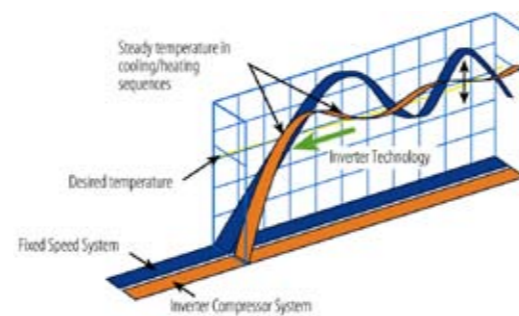
- DC inverter for high efficiency
- Absolute control of the room's air temperature
- Easy installation
- Auto restart after power failure

New Design



* For illustration only. Available for 9000Btu.

Inverter Technology



Brilliant Sparkle

Power and grace

- Inverter technology - 30% power saving
- High efficiency
- Auto-restart function
- Auto sense (I feel)
- Self diagnosis feature
- Easy installation and maintenance

3X1

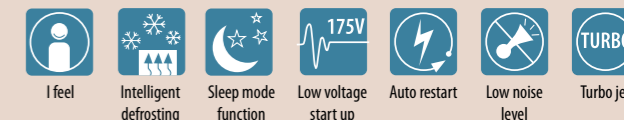
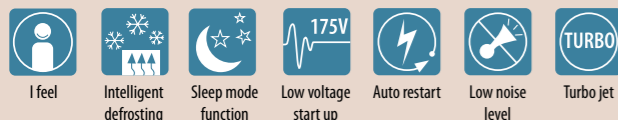


Model		MVA10G1-09H	MVA10G1-12H	MVA10G1-18H
Capacity				
Cooling	Btu/h	9000 (2050-11200)	12000 (4000-13800)	17500 (5300-23000)
	KW	2.6 (0.6-3.3)	3.5 (1.2-4.0)	5.1 (1.6-6.7)
Heating	Btu/h	10000 (3200-13200)	13000 (4100-14500)	17000 (5100-22000)
	KW	2.9 (0.9-3.9)	3.8 (1.2-4.2)	5.0 (1.5-6.4)
Electrical data				
Power Supply	V, Hz, Ph	220`240,50,1	220`240,50,1	220`240,50,1
Power Input Cooling	W	810 (240-1,080)	1080 (350-1,400)	1600 (400-2,300)
Power Input Heating	W	810 (240-1,340)	1050 (360-1,420)	1460 (360-2,100)
Operating Current Cooling	A	3.8 (1.2-5.4)	4.9 (1.7-6.5)	7.0 (1.8-10.4)
Operating Current Heating	A	3.8 (1.2-6.1)	4.7 (1.8-6.6)	6.5 (1.6-9.5)
Performance				
EER Cooling	Btu/W, W/W	11.1, 3.26	11.1, 3.26	10.9, 3.21
COP Heating	W/W	3.62	3.63	3.41
Airflow Volume Indoor	m3/h	570	620	800
Noise Level Indoor (High/Med/Low)	dB(A)	38/33/29	42/36/30	44/40/37
Noise Level Outdoor	dB(A)	52	54	56
Net Dimensions & Weight				
Indoor Unit LxHxD	mm	710x250x195	790x265x195	920x292x225
Outdoor Unit LxHxD	mm	760x590x285	760x590x285	845x695x335
Net Weight Indoor/Outdoor	Kg	8.0/39.5	9.0/39.5	11.5/52
Gross Dimensions & Weight				
Indoor Unit LxHxD	mm	800x340x270	875x375x285	1015x368x295
Outdoor Unit LxHxD	mm	887x655x355	887x655x355	965x755x395
Gross Weight Indoor/Outdoor	Kg	10.0/42.5	11.0/42.5	15/56
Piping Connection				
Liquid Side	mm	6.35	6.35	6.35
Gas Side	mm	9.53	12.7	12.7
Applicable Area	m2	16-24	20-30	28-40

Remarks: 1. Cooling capacities are based on indoor air temp. of 27°C DB, 19°C WB and outdoor air temp. of 35°C DB, 24°C WB.
2. The above specifications are subject to change without prior notice for product improvement purposes.

Model			MVAD10G2-18H	MVAD10G3-27H	MVAD10G4-27H
Capacity					
Cooling	(Min.-Nom.-Max.)	Btu/h	7000 - 18000 - 21200	7000 - 27000 - 31400	7000-27000-38200
	(Min.-Nom.-Max.)	KW	2.0 - 5.2 - 6.2	2.0 - 7.8 - 9.2	2.0 - 8.0 - 11.2
Heating	(Min.-Nom.-Max.)	Btu/h	7500 - 2100 - 24200	7500 - 30700 - 36900	7500 - 30700 - 39600
	(Min.-Nom.-Max.)	KW	2.2 - 6.1 - 7.1	2.2 - 9.0 - 10.8	2.2 - 9.0 - 11.6
Electrical Data					
Power Supply		V, Hz, Ph	220 - 240,50,1	220 - 240,50,1	220 - 240,50,1
Power Input Cooling	(Min.-Nom.-Max.)	KW	0.65 - 1.60 - 2.28	0.77 - 2.39 - 3.13	0.82 - 2.47 - 3.85
Power Input Heating	(Min.-Nom.-Max.)	KW	0.62 - 1.69 - 2.30	0.81 - 2.47 - 3.15	0.80 - 2.48 - 3.97
Operating Current Cooling	(Min.-Nom.-Max.)	A	2.9 - 7.0 - 10.1	3.6 - 12.0 - 14.8	3.7 - 11.0 - 17.6
Operating Current Heating	(Min.-Nom.-Max.)	A	2.9 - 8.5 - 10.2	3.5 - 10.5 - 13.9	3.7 - 14.5 - 18.5
Performance					
EER Cooling		W/W	3.25-A	3.26-A	3.24-A
COP Heating		W/W	3.61-A	3.64-A	3.62-A
Airflow Volume Indoor		m ³ /h	570	570	570
Noise Level Indoor		dB(A)	38	38	38
Noise Level Outdoor		dB(A)	53	55	57
Net Dimensions & Weight					
Indoor Unit	LxHxD	mm	710x250x195	710x250x195	710x250x195
Outdoor Unit	LxHxD	mm	845x695x335	845x695x335	895x860x330
Net Weight Indoor/Outdoor		Kg	8/61	8/68	8/80
Gross Dimensions & Weight					
Indoor Unit	LxHxD	mm	800x340x270	800x340x270	800x340x270
Outdoor Unit	LxHxD	mm	975x772x405	975x772x405	1043x915x395
Gross Weight Indoor/Outdoor		Kg	9.5/65	9.5/72	9.5/84
Piping Connection					
Liquid Side		mm	6.35	6.35	6.35
Gas Side		mm	9.53	9.53	9.53

Remarks: 1. Cooling capacities are based on indoor air temp. of 27°C DB, 19°C WB and outdoor air temp. of 35°C DB, 24°C WB.
2. The above specifications are subject to change without prior notice for product improvement purposes.





R22 Refrigerant

Creating a Comfortable Environment



High-Wall Units



Efficient Air Conditioning

With streamline engineering

These models are Tadiran's response to customer needs, now incorporating the most frequently requested features in residential and light commercial air conditioning. The advanced thermodynamic system maintains total and consistent control over areas of various sizes while minimizing energy consumption.

Smart design for your home or office

Streamlined engineering makes the air conditioners not only a user-friendly appliance, but also an eye-pleasing accessory for any room or office.

Silent partner

New aerodynamic upgrades make our air conditioners even quieter and less intrusive than ever before.

Cost-efficient

Tadiran has invested in several new features that minimize energy consumption, while offering a relatively high EER and COP.

Emerald Rainbow

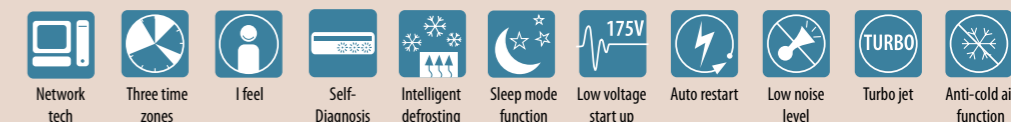
Your silent partner



Up to 8m airflow

Model		TQL-R-20H	TQL-N-24H	TQL-N-28H	TQL-N-32H	TQL-N-36/363H
Capacity						
Cooling	Btu/h	21000	24000	27000	30000	36000
	W	6150	7030	7910	8790	10550
Heating	Btu/h	22000	24000	28000	31000	36500/38000
	W	6450	7030	8210	9080	10703/11143
Electrical data						
Power Consumption Cooling	W	2050	2420	2825	3140	3750
Power Consumption Heating	W	1880	2380	2380	3030	3840
Operating Current (Cooling/Heating)	Amp. - 1Ph	9.6/8.8	11.0/10.9	12.9/12.9	15.4/13.6	17.5/17.0
	Amp. - 3Ph					6.8/5.6/5.6 6.8/5.6/5.6
Performance						
EER Cooling	Btu/W	10.2	10	9.6	9.6	9.6
COP Heating	W/W	3.4	2.90/2.95	2.80/2.90	2.80/3.00	2.80/2.90
Moisture Removal	L/h	2.2	1.9	2.1	2.9	4.49
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1 or 380`415, 50, 3
Indoor Unit						
Net Dimensions (LxHxD)	mm	1020x295x185	1080x295x210	1390x310x190	1390x310x190	1390x310x230
Airflow (Turbo/High/Low)	m ³ /h	1233x960x825	1275x1040x900	1510x1290x1070	1510x1290x1070	1460x1240x1020
	cfm	726x565x484	750x610x530	890x760x630	890x760x630	860x730x600
Noise Level (Turbo/High/Low)	dB(A)	35/32/29	43/39/33	45/41/35	45/41/35	54/50/44
Net Weight	Kg	12.5	17.5	19	19	23
Outdoor Unit						
Net Dimensions (LxHxD)	mm	900x640x320	1100x640x320	1100x640x320	1100x640x320	1140x640x400
Airflow (High/Low)	m ³ /h	4,080/3,485	3,900/2,550	3,900/2,550	3,910/2,550	3,900/2,550
	cfm	2,400/2,050	2,300/1,500	2,300/1,500	2,300/1,500	2,300/1,500
Noise Level (High/Low)	dB(A)	53/50	54/51	54/51	54/51	54/51
Net Weight	Kg	65	70	75	80	90
Refrigerant Lines	in.	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"
Fittings	Type	Flare	Flare	Flare	Flare	Flare

Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
 Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
 Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor
 2. Specification and performance data are subject to change without prior notice for product improvement purposes.



Azul Laguna

The perfect match for your room

- Compact design
- Auto-restart
- Wireless remote control
- Easy installation & maintenance
- Anti-rust treatment for marine environment applications (optional)
- Changeable colored front panel



Optional colors for front panel:

Model		TKS-07H	TKS-09H	TKS-12H	TKS-17H	TKS-23H
Capacity						
Cooling	Btu/h	7165	8871	11300	17500	23200
	W	2100	2600	3300	5128	6800
Heating	Btu/h	7506	9212	12280	19000	23900
	W	2200	2700	3600	5568	7000
Electrical Data						
Power Supply	V, Hz, Ph	220' 240,50,1	220' 240,50,1	220' 240,50,1	220' 240,50,1	220' 240,50,1
Power Input Cooling	W	660	765	940	1950	2300
Power Input Heating	W	660	740	980	1900	2150
Rated Current (Cooling/Heating)	A	3.1/3.1	3.5/3.4	4.4/4.5	9/8.8	10/11
Performance						
EER Cooling	Btu/W	3.18	3.4	3.5	2.62	2.95
COP Heating	W/W	3.33	3.65	3.67	2.93	3.2
Airflow - Indoor	m ³ /h	460	460	550	800	960
Noise level - Indoor(Hi-Low)	dB(A)	34/29	35/30	37/32	43/38	47/40
Noise level - Outdoor	dB(A)	51	52	54	54	58
Net Dimension & Weight						
Indoor Unit (WxHxD)	mm	818x270x192	818x270x192	818x270x192	860x290x195	1025x313x203
Outdoor Unit (WxHxD)	mm	715x482x240	715x482x240	755x530x252	755x530x252	830x637x268
Net Weight (Indoor/Outdoor)	Kg	10/28	10/32	10/36	14/44	14/60
Gross Dimension & Weight						
Indoor Unit (WxHxD)	mm	910x380x285	910x380x285	910x380x285	1130x400x310	1130x400x310
Outdoor Unit (WxHxD)	mm	844x531x366	844x531x366	890x580x350	890x580x350	980x770x420
Gross Weight (Indoor/Outdoor)	Kg	13/32	13/36	14/41	18/49	18/65
Connection Pipe Size						
Gas	in.	3/8"	3/8"	1/2"	5/8"	5/8"
Liquid	in.	1/4"	1/4"	1/4"	3/8"	3/8"
Applicable Area	m ²	6-12	9-18	15-25	20-36	25-50
Loading Capacity						
20/40/40HQ	sets	106/230/255	106/230/255	105/221/248	-/212/238	62/128/147

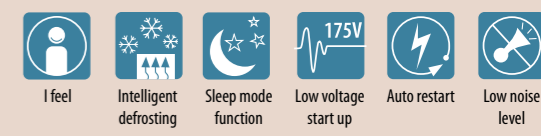
Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor
2. Specification and performance data are subject to change without prior notice for product improvement purposes.

2X1



Model		TKS-09H x2	TKS-09H + 12H	TKS-12H x2
Capacity				
Cooling	Btu/h	9000/9000	900/12000	12000/12000
Heating	Btu/h	9000/9000	9000/12600	12600/12600
Electrical Data				
Power Supply	V, Hz, Ph	220' 240,50,1	220' 240,50,1	220' 240,50,1
Power Input Cooling	W	1800	2100	2600
Power Input Heating	W	1800	2100	2600
Rated Current (Cooling/Heating)	A	8.4/8.4	10.2/10.2	12/12
Performance				
EER Cooling	Btu/W, W/W	10.00,2.93	10.00,2.93	9.23,2.71
COP Heating	W/W	2.9	3.01	2.84
Airflow - Indoor	m ³ /h	460/460	460/550	550/550
Noise level - Indoor (High-Low)	dB(A)	35/30	35/30	37/30
Noise level - Outdoor	dB(A)	58	58	60
Net Dimension & Weight				
Indoor Unit (WxHxD)	mm	818x270x192	818x270x192	818x270x192
Outdoor Unit (WxHxD)	mm	832x702x380	832x702x380	890x793x414
Net Weight (Indoor/Outdoor)	Kg	10/60	10/63	10/75
Gross Dimension & Weight				
Indoor Unit (WxHxD)	mm	910x380x285	910x380x285	910x380x285
Outdoor Unit (WxHxD)	mm	980x770x420	980x770x420	1050x910x500
Gross Weight (Indoor/Outdoor)	Kg	14/65	14/69	14/80
Connection Pipe Size				
Gas	in.	3/8", 3/8"	3/8", 1/2"	1/2", 1/2"
Liquid	in.	1/4", 1/4"	1/4", 1/4"	1/4", 1/4"
Applicable Area	m ²	9' 18, 9' 18	9' 18, 15' 25	15' 25, 15' 25
Loading Capacity				
20/40/40HQ	sets	55/120/130	55/120/130	42/86/92

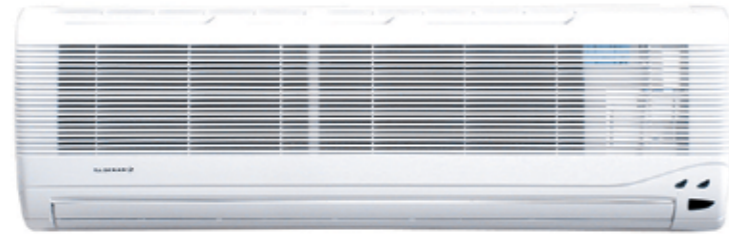
Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor
2. Specification and performance data are subject to change without prior notice for product improvement purposes.



Emerald Rainbow

Advanced and modern style

- Compact design
- Auto-restart
- Reliable built-in control systems
- Easy installation & maintenance
- Multiple directions of airflow vents



Model		TGL-11H	TGL-15H	TGL-20H
Capacity				
Cooling	Btu/h	9700	12300	14500
	W	2840	3600	4250
Heating	Btu/h	9800	13000	14500
	W	2870	3810	4250
Electrical Data				
Power Consumption Cooling	W	1030	1400	1710
Power Consumption Heating	W	870	1310	1640
Operating Current (Cooling/Heating)	Amp.	4.7/4.1	6.2/5.7	8.1/7.8
Performance				
EER Cooling	Btu/W	9.4	8.8	8.5
COP Heating	W/W	3.3	2.95	2.6
Moisture Removal	L/h	1.4	1.7	2.0
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1
Indoor Unit				
Dimensions (LxHxD)	mm	815x260x185	815x260x185	815x260x185
Airflow (Turbo/High/Low)	m3/h	510x440x380	680x530x425	680x530x425
	cfm	300x260x225	400x310x250	400x310x250
Noise Level (Turbo/High/Low)	dB(A)	34/31/29	34/31/29	35/32/29
Net Weight	Kg	8.5	8.5	8.5
Outdoor Unit				
Dimensions (LxHxD)	mm	730x540x265	730x540x265	730x540x265
Airflow (High/Low)	m3/h	1,700/1,300	1,700/1,300	1,870/1,410
	cfm	1,000/760	1,000/760	1,100/830
Noise Level (High/Low)	dB(A)	50/48	50/48	51/49
Net Weight	Kg	33	35	37
Refrigerant Lines	in.	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"
Fittings	Type	Flare	Flare	Flare

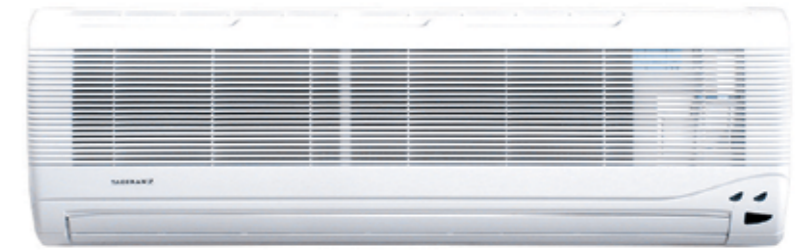
Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
 Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
 Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor
 2. Specification and performance data are subject to change without prior notice for product improvement purposes.



Emerald Rainbow

Compact design

- Compact design
- Auto-restart
- Reliable built-in control systems
- Easy installation & maintenance
- Multiple directions of airflow vents



Model		TGL-R-25H	TGL-N-30H	TGL-N-33H	TGL-N-35H	TGL-N-60/603H
Capacity						
Cooling	Btu/h	21000	24000	27000	30000	36000
	W	6150	7030	7910	8800	10550
Heating	Btu/h	22000	24000	28000	31000	38000/36500
	W	6450	7030	8210	9080	11140/10700
Electrical Data						
Power Consumption Cooling	W	2050	2420	2825	3140	3750
Power Consumption Heating	W	1880	2380	2380	3030	3840
Operating Current (Cooling/Heating)	Amp. - 1Ph	9.6/8.8	11.0/10.9	12.9/12.9	15.4/13.6	17.5/17.8
	Amp. - 3Ph					6.8/5.6/5.6 6.8/5.6/5.6
Performance						
EER Cooling	Btu/W	10.2	10	9.6	9.6	9.6
COP Heating	W/W	3.4	2.95	2.9	3	2.9
Moisture Removal	L/h	2.2	1.9	2.1	2.9	4.49
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1
Indoor Unit						
Dimensions (LxHxD)	mm	1020x295x185	1070x310x190	1390x310x190	1390x310x190	1390x310x230
Airflow (Turbo/High/Low)	m3/h	1233x960x825	1275x1040x900	1510x1290x1070	1510x1290x1070	1460x1240x1020
	cfm	726x565x484	750x610x530	890x760x630	890x760x630	860x730x600
Noise Level (Turbo/High/Low)	dB(A)	35/32/29	43/39/33	45/41/35	45/41/35	54/50/44
Net Weight	Kg	12.5	31	19	19	23
Outdoor Unit						
Dimensions (LxHxD)	mm	900x640x320	1100x640x320	1100x640x320	1100x640x320	1140x640x400
Airflow (High/Low)	m3/h	4,080/2,720	3,910/2,550	3,910/2,550	3,910/2,550	3,910/2,550
	cfm	2,400/1,600	2,300/1,500	2,300/1,500	2,300/1,500	2,300/1,500
Noise Level (High/Low)	dB(A)	53/50	54/51	54/51	54/51	54/51
Net Dimensions	Kg	65	70	75	80	90
Refrigerant Lines	in.	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"
Fittings	Type	Flare	Flare	Flare	Flare	Flare

Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
 Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
 Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor
 2. Specification and performance data are subject to change without prior notice for product improvement purposes.



Topaz Transparency

For your home and your comfort

- Easy installation and maintenance
- Wide range of comforting airflow options throughout the room
- Auto sense (I feel)
- Self diagnosis
- Pre-programmed mode selection
- High efficiency



Model		TK-07H	TK-09H	TK-12H	TK-18H	TK-24H
Capacity						
Cooling	Btu/h	7000	9000	11500	18000	24000
Heating	Btu/h	7500	9500	12000	18500	25000
Electrical Data						
Power Supply	V, Hz, Ph	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1
Power Input Cooling	W	730	940	1290	2000	2750
Power Input Heating	W	650	850	1220	1900	2600
Rated Current (Cooling/Heating)	A	3.4/3	4.4/4	6/5.7	9.1/8.9	12.5/12.2
Performance						
EER Cooling	Btu/W, W/W	9.6,2.81	9.5,2.78	8.9,2.6	9, 2.64	8.73, 2.56
COP Heating	W/W	3.38	3.25	2.88	2.85	2.8
Airflow - Indoor	m3/h	420	420	480	800	960
Noise level - Indoor(High-Low)	dB(A)	34/29	34/29	36/30	43/38	47/40
Noise level - Outdoor	dB(A)	51	51	52	54	58
Net Dimension & Weight						
Indoor Unit (WxHxD)	mm	770x240x179	770x240x179	770x240x179	1025x313x203	1025x313x203
Outdoor Unit (WxHxD)	mm	715x482x240	715x482x240	715x482x240	755x530x252	832x702x380
Net Weight (Indoor/Outdoor)	Kg	8/28	8/29	8/30	14/48	14/60
Gross Dimension & Weight						
Indoor Unit (WxHxD)	mm	830x310x240	830x310x240	830x310x240	1130x395x300	1130x395x300
Outdoor Unit (WxHxD)	mm	844x531x316	844x531x316	844x531x316	890x580x350	980x780x420
Gross Weight (Indoor/Outdoor)	Kg	10.5/32	10.5/33	10.5/34	19/53	19/65
Connection Pipe Size						
Gas	in.	3/8"	3/8"	1/2"	1/2"	5/8"
Liquid	in.	1/4"	1/4"	1/4"	1/4"	3/8"
Applicable Area	m2	6'12	9'18	15'25	20'36	25'50
Loading Capacity						
20/40/40HQ	sets	128/273/318	128/273/318	128/273/318	87/182/207	62/128/147

Remarks: 1. Cooling capacities: are based on indoor air temperature of 27°C (DB) / 19°C (WB) and outdoor air temperature of 35°C (DB) / 24°C (66°F) WB.
 2. Heating capacities: are based on indoor air temperature of 20°C (DB) / 15°C (WB) and outdoor air temperature of 7°C (DB) / 6°C (WB).
 3. The above specifications are subject to change without prior notice for product improvement purposes.

Topaz Reflection

The friendliest operation

- **Ionizer** - Tadiran air conditioners bring the refreshing air to your room. (For models up to 12,000 Btu)
- Slim design
- Elegant appearance
- Easy installation and maintenance
- Auto-restart function
- Wide range of comforting airflow throughout the room

New Design



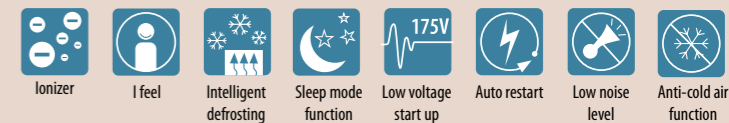
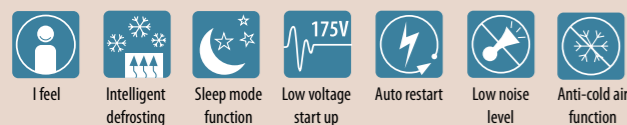
For models 7,9,12



For models 18,24

Model		GTM-07H	GTM-09H	GTM-12H	GTM-18H	GTM-24H
Capacity						
Cooling	Btu/h	7000	9000	12000	18000	24000
	KW	2.1	2.6	3.5	5.3	7
Heating	Btu/h	7600	10000	13000	20000	27000
	KW	2.2	2.9	3.8	5.9	7.9
Electrical Data						
Power Supply	V, Hz, Ph	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1	220'240, 50, 1
Power Input Cooling	W	760	960	1230	1920	2750
Power Input Heating	W	760	980	1290	1980	2750
Operating Current (Cooling/Heating)	Amp.	3.6/3.4	4.5/4.4	5.7/6.0	9.0/9.2	12.5/12.5
Performance						
EER Cooling	Btu/W, W/W	9.2/2.7	9.4/2.7	9.8/2.9	9.4/2.7	8.7/2.6
COP Heating	W/W	2.9	3	3	3	2.9
Piping Connection	mm	6.35	6.35	6.35	6.35	9.53
Liquid/Gas Side	mm	9.53	9.53	12.7	12.7	16
Applicable Area	m2	10-14	14-21	18-26	30-40	40-56
Indoor Unit						
Dimensions (LxHxD)	mm	750x250x188	750x250x188	750x250x188	906x286x235	1080x330x222
Airflow Volume	m3/h	380	450	550	750	1050
Noise Level (High/Med/Low)	dB(A)	32x28x25	33x31x27	36x33x30	38x35x32	43x40x37
Net Weight	Kg	8.5	8.5	8.5	13.5	17
Gross Weight	Kg	10	10	10	16.5	22
Outdoor Unit						
Dimensions (LxHxD)	mm	750x535x235	750x535x235	780x540x250	780x540x250	845x695x335
Noise Level (High)	dB(A)	49	49	51	51	55
Net Weight	Kg	28	30	36	44	60
Gross Weight	Kg	31	33	39	40	65

Remarks: The above designs and specifications are subject to change without prior notice for product improvement purposes.
 The values given in the table for the noise level reflect the levels in anechoic chamber.



Vertical and Horizontal Units

Air Conditioner for Long-Lasting Comfort

These models offer increased performance with their powerful cooling and heating capabilities, making it adequate for both residential and light commercial areas.

Streamline design

The streamline design is designed for installation anywhere, with no modifications needed. Whether mounted on the floor, wall or ceiling, its robust but still slim, heavy-duty construction ensures efficient and trouble-free operation across a wide range of climates.

Rugged dependability

The heavy-duty design guarantees efficient heating or cooling from any position with any type of installation.

Low temperature operation

The air conditioners have a heating pump which can be fitted with accessories that guarantee its performance in extremely cold climates. The HDE Auxiliary Heater compensates for a potential drop in performance due to temperature falling below +20C, while the L.A.K (Low Ambience Temperature Kit) offers trouble-free operations to as low as -150C.

Economical two-room distribution capacity

This unit is capable of air distribution to two adjacent rooms simultaneously, with individual control over each room – offering you significant cost savings over a wider area. (For specific models)

Auto restart

All Tadiran units are equipped with an auto-restart function and protected from damage by both voltage functions and power failures. They are able to detect and identify the loss of refrigerant pressure, pinpoint operational failures, and are fitted with an alarm that notifies you when it's time to clean the air filter.



Simultaneous Air Conditioning

- Simultaneous air-conditioning of adjacent rooms
- Elegant and modern design
- Sweep function & quiet operation
- Auto sense (I feel)
- Low ambient cooling

These air conditioners offer simultaneous air-conditioning of adjacent rooms. The evaporator is located on the adjoining wall. An adjustable register (optional) is connected to the unit from the opposite side.

- High and low voltage protects the compressor and other components from abnormal voltage and power failures, automatically restarts the air conditioner when power is back to normal
- High and low pressure control
- Filter check control
- Self diagnosis



Comfort Zone

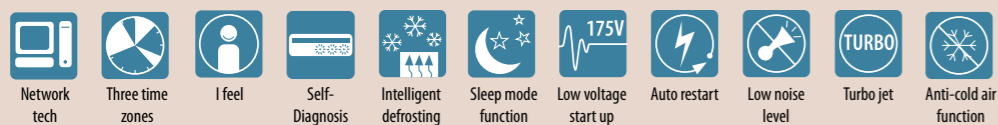
Amethyst Aura

Streamline design and high efficiency



Model		GCL-90H	GCL-120H	GCL-150H	GCL-200H
Capacity					
Cooling	Btu/h	9000	11500	15000	18700
	W	2638	3370	4396	5480
Heating	Btu/h	9500	13000	15000	19000
	W	2784	3810	4396	5569
Electrical Data					
Power Consumption Cooling	W	960	1300	1690	2140
Power Consumption Heating	W	850	1300	1690	2000
Operating Current (Cooling/Heating)	Amp. - 1Ph	4.5/4	6.1/6.1	8.0/8.0	10/9.3
Performance					
EER Cooling	Btu/W	9.4	8.9	8.9	8.8
COP Heating	W/W	3.3	2.9	2.5	2.8
Moisture Removal	L/h	1.4	1.7	2	2.2
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1
Indoor Unit					
Dimensions (LxHxD)	mm	850x540x200	850x540x200	1000x598x200	1000x598x200
Airflow (High/Med/Low)	m³/h	544x476x442	765x680x612	850x680x578	979x850x714
	cfm	320x280x260	450x400x360	500x400x340	570x500x420
Noise Level (Turbo/High/Low)	dB(A)	34/31/29	34/31/29	34/31/29	34/31/29
Net Weight	Kg	14	14	16	19
Outdoor Unit					
Dimensions (LxHxD)	mm	730x540x265	730x540x265	730x540x265	730x540x265
Airflow (High/Low)	m³/h	1,700/1,290	1,700/1,290	2,210/1,700	2,210/1,700
	cfm	1,000/760	1,000/760	1,800/1,000	1,800/1,000
Noise Level (High/Low)	dB(A)	50/48	50/48	50/48	50/48
Net Weight	Kg	33	35	37	38.5
Refrigerant Lines	in.	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"
Fittings	Type	Flare	Flare	Flare	Flare

Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor.
2. Specification and performance data are subject to change without prior notice for product improvement purposes.



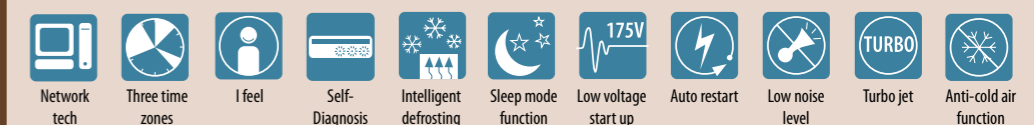
Amethyst Aura

Refreshing your indoor air



Model		GCL-N250H	GCL-N300H	GCL-N400/4003H	GCL-N-500/5003H	GCL-6003H	GCL-N7003H
Capacity							
Cooling	Btu/h	24000	27000	30000	35000	46000	56000
	W	7030	7910	8800	10260	13490	16422
Heating	Btu/h	24000	26000	32000	36000	46000	57000
	W	7030	7620	9380	10550	13490	16715
Electrical data							
Power Consumption Cooling	W	2470	2825	3035	4030	5170	6290
Power Consumption Heating	W	2340	2720	3120	3750	5170	5960
Operating Current (Cooling/Heating)	Amp. - 1Ph	11.3/10.7	12.9/12.5	14.4/14.3	18.5/17.5		
	Amp. - 3Ph			6.0/4.7/4.7	8.5/6.0/6.0	11.1/9.5/9.5	12.7/10.7/10.7
				6.1/4.8/4.8	7.8/5.3/5.3	11.1/9.5/9.5	12.5/10.5/10.5
Performance							
EER Cooling	Btu/W	9.7	9.6	9.6	8.8	8.9	8.9
COP Heating	W/W	3.00	2.80	3.00	2.9	2.6	2.8
Moisture Removal	L/h	2.7	3.1	3.5	4.8	5.5	5.7
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1 or	220`240, 50, 1 or	380`415, 50, 3	380`415, 50, 3
				380`415, 50, 3	380`415, 50, 3		
Indoor Unit							
Dimensions (LxHxD)	mm	1000/598/200	1200/610/225	1200/610/225	1200/610/225	1860/610/225	1860/610/225
Airflow (Turbo/High/Low)	m³/h	1020/850/714	1360/1100/850	1360/1100/850	1360/1100/850	2210/1700/1530	2210/1700/1530
	cfm	600/500/420	800/650/500	800/650/500	800/650/500	1300/1000/900	1300/1000/900
Noise Level (Turbo/High/Low)	dB(A)	34/31/29	38/36/34	38/36/34	49/44/40	49/44/40	49/44/40
Net Weight	Kg	20	36	36	36	48	48
Outdoor Unit							
Dimensions (LxHxD)	mm	1100/640/320	1100/640/320	1100/640/320	1100/640/320	1140/640/400	1100/1280/320
Airflow (High/Low)	m³/h	3,910/2,550	3,910/2,550	3,910/2,550	3,910/2,550	4,080/3,485	8,160/6,970
	cfm	2,300/1,500	2,300/1,500	2,300/1,500	2,300/1,500	2,400/2,050	4,800/4,100
Noise Level (High/Low)	dB(A)	54/51	54/51	54/51	54/51	54/51	56/53
Net Weight	Kg	70	75	78	78	90	110
Refrigerant Lines	in.	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"
Fittings	Type	Flar	Flare	Flare	Flare	Flare	Flare

Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor.
2. Specification and performance data are subject to change without prior notice for product improvement purposes.



Satellite Units

Maximum Zone Control

Streamline design and high efficiency



This ceiling-concealed duct system provides maximum zone control through a central air system that functions as several independent units. It offers personalized comfort for all locations in residential or commercial applications. This family also includes concealed Cassette Air Conditioning units.

Dual control

An advanced microprocessor enables precise control of all air conditioning functions, either through the wall-mounted local controller or the infrared remote controller.

Multi directional air supply

Tadiran Engineering provides various duct outlets that are directed forward, upward and sideways, offering exceptionally wide angles for airflow.

I feel

A special thermostatic sensor built into the remote control enables the precise control of temperature at any location in the room.

Dehumidification function

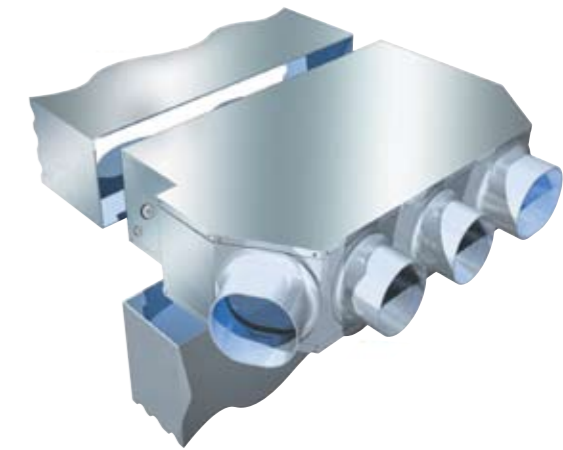
A special dehumidification program reduces room humidity and prevents overcooling.

Sleep mode

The programmable sleep function gradually increases the room temperature to permit comfortable sleeping conditions.

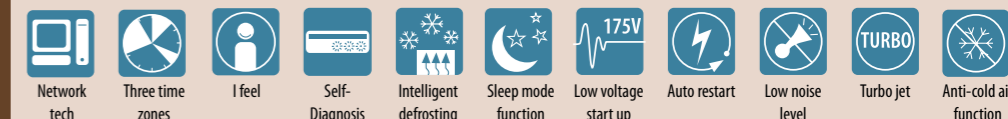
Sapphire Star

Ensuring versatility



Model		AVL-25H	AVL-35H	AVL-N50H/503H	AVL-N60H/603H	AVL-N753H
Capacity	Cooling					
	Btu/h	24000	28000	32000	35000	38000
	W	7030	8210	9380	10260	11140
Heating	Btu/h	28000	31000	32000	37000	40000
	W	8210	9090	9380	10840	11720
Electrical Data						
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1	220`240, 50, 1
				or 380`415, 50, 3	or 380`415, 50, 3	or 380`415, 50, 3
Power Consumption Cooling	W	2670	3110	3350	3660	3970
Power Consumption Heating	W	2650	2930	3280	3390	3600
Operating Current (Cooling/Heating)	Amp. - 1Ph	12.5/ 12.4	14.3/ 13.7	15.3/ 4.7	16.8/ 14.2	
	Amp. - 3Ph			6.4/ 4.9/ 4.9	8.8/ 5.8/ 5.8	6.9/5.5 / 6.6/5.2/5.2
Performance						
EER Cooling	Btu/W	9	9	9.6	9.6	9.6
COP Heating	W/W	3.1	3.1	3	3.2	3.2
Moisture Removal	L/h	3.1	3.8	2.8	2.9	3.7
Indoor Unit						
Dimensions (LxHxD)	mm	1150x285x750	1150x285x750	1150x285x750	1150x285x750	1150x285x750
Airflow (Turbo/High/Low)	m3/h	2040/1785/1445	2040/1785/1445	2040/1785/1445	2380/2040/1730	2380/2040/1730
	cfm	1200/1050/850	1200/1050/850	1200/1050/850	1400/1200/1020	1400/1200/1020
Noise Level (Turbo/High/Low)	dB(A)	57/52/49	57/52/49	57/52/49	59/54/51	59/54/51
Net Static Pressure H2O	mm	7.5	7.5	7.5	7.5	7.5
Net Weight	Kg	45	47	47	52	52
Outdoor Unit						
Dimensions (LxHxD)	mm	900x640x320	900x640x320	1100x640x320	1100x640x320	1140x640x400
Airflow (High/Low)	m3/h	3,910/2,210	3,910/2,210	3,910/2,550	3,910/2,550	3,910/2,550
	cfm	2,300/1,310	2,300/1,310	2,300/1,500	2,300/1,500	2,300/1,500
Noise Level (High/Low)	dB(A)	53/48	53/48	54/51	54/51	54/51
Net Weight	Kg	65	65	75	75	90
Refrigerant Lines	in.	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"
Fitting	Type	Flare	Flare	Flare	Flare	Flare

Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
 Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
 Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor
 2. Specification and performance data are subject to change without prior notice for product improvement purposes.
 3. Remote control is supplied as an accessory.



Diamond Imperial

Reliability as standard

- New ducted concealed with various functions



Cassette Units

Opal Flash

Optimizing your future

- Simple maintenance
- Easy installation
- Silent partner
- Self diagnosis
- Built-in drain pump

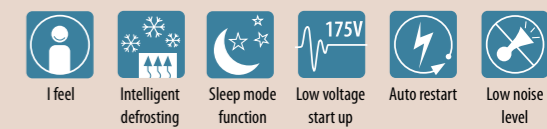


Model		ANL-N-50/503H	ANL-N-60/603H	ANL-N-753H	ANL-N-853H	ANL-N-903H
Capacity						
Cooling	Btu/h	32000	36000	42000	45000	58000
	W	9384	10550	12300	13200	17000
Heating	Btu/h	32000	37000	43000	45000	58000
	W	9384	10840	12600	13200	17000
Electrical Data						
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	380`415, 50, 3	380`415, 50, 3	380`415, 50, 3
		or 380`415, 50, 3	or 380`415, 50, 3			
Power Consumption Cooling	W	3350	3765	4450	4880	6075
Power Consumption Heating	W	3350	3740	4340	4550	5760
Operating Current (Cooling/Heating)	Amp. - 1Ph	15.3/14.8	16.7/16.6			
	Amp. - 3Ph	6.5/4.7/4.7 - 6.5/4.7/4.7	7.5/5.2/5.2 - 7.5/5.2/5.2	8.5/5.4/5.4 - 8.3/5.2/5.2	8.7/5.7/5.7 - 8.3/5.3/5.3	11.2/8.2/8.2 - 10.1/7.1/7.1
Performance						
EER Cooling	Btu/W	9.6	9.6	9.2	9.2	9.2
COP Heating	W/W	2.9	2.9	2.9	2.9	2.9
Moisture Removal	L/h	2.8	3	3.4	3.7	4.4
Indoor Unit						
Dimensions (LxHxD)	mm	650x385x670	650x385x670	860x385x670	960x385x670	960x385x670
Airflow (Turbo/High/Low)	cfm	920/850/730	1180/850/730	1600/1420/1200	1600/1420/1200	1960/1520/1250
Noise Level (Turbo/High/Low)	dB(A)	57/52/49	57/52/49	59/54/51	59/54/51	59/54/51
Net Weight	Kg	34	34	42	44	47
Outdoor Unit						
Dimensions (LxHxD)	mm	1100x640x320	1100x640x320	1140x640x400	1140x640x400	1100x1280x320
Airflow (High/Low)	m3/h	3,910/2,550	3,910/2,550	3,910/2,550	3,910/2,550	3,910/2,550
	cfm	2,300/1,500	2,300/1,500	2,300/1,500	2,300/1,500	4,600/3,000
Noise Level (High/Low)	dB(A)	54/51	54/50	54/51	56/53	54/51
Net Weight	Kg	75	75	90	90	105
Refrigerant Lines	in.	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"
Fittings	Type	Flare	Flare	Flare	Flare	Flare

Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor
2. Specification and performance data are subject to change without prior notice for product improvement purposes.
3. Remote control is supplied as an accessory.

Model		CAM-18H	CAM-24H	CAM-363H	CAM-483H
Capacity					
Cooling	Btu/h	18000	24000	36000	48000
	W	5275	7033	10551	14070
Heating	Btu/h	20500	28000	40000	53000
	W	6007	8205	11723	15532
Electrical Data					
Power Consumption Cooling	W	2000	3050	4400	5400
Power Consumption Heating	W	1960	2950	4500	5500
Operating Current Cooling	Amp. - 1Ph	10	14		
	Amp. - 3Ph	10	15	7.8/8.0/8.1	9.2/9.4/10.1
Operating Current Heating	Amp. - 1Ph	10	14		
	Amp. - 3Ph	10	15	7.8/8.0/8.1	9.2/9.4/10.1
Performance					
EER Cooling	Btu/W	9	7.9	8.2	8.3
COP Heating	W/W	3	2.8	2.6	2.8
Power Supply	V, Hz, Ph	220`240, 50, 1	220`240, 50, 1	380, 50, 3	380, 50, 3
Refrigerant Lines					
Liquid	in.	1/4"	3/8"	1/2"	1/2"
Gas	in.	1/2"	5/8"	3/4"	3/4"
Indoor Unit					
Dimensions (LxHxD) Body	mm	840x840x240	840x840x240	840x840x310	840x840x310
Dimensions (LxHxD) Panel	mm	950x950x40	950x950x40	950x950x40	950x950x40
Airflow (Turbo)	m3/h	1,000	1,050	1,600	1,750
Noise Level	dB(A)	43	43	44	44
Net Weight (Body/Panel)	Kg	36/6	36/6	40/6	40/6
Outdoor unit					
Dimensions (LxHxD)	mm	845/695/335	895/860/330	940/1245/360	940/1245/360
Noise Level	dB(A)	48	52	57	57
Net Weight	Kg	57	79	112	112

Remarks: 1. Capacities tested and rated in accordance with ISO 5151 Standards.
Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB Outdoor; 27°C (81°F) DB and 19°C (66°F) WB Indoor.
Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB Outdoor; 20°C (68°F) DB and 15°C (59°F) WB Indoor.
2. Specification and performance data are subject to change without prior notice for product improvement purposes.



Comfort and tranquility...
whatever the weather!





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