

GREAT TECHNOLOGY

Antarctica Coolneess Catalog



GREAT TECHNOLOGY

Antarctica Coolness

Seal



RotaClimate



9000 BTU/h
Cooling (max) : 11.600 BTU/h
Heating (max) : 11.500 BTU/h



12000 BTU/h
Cooling (max) : 14.200 BTU/h
Heating (max) : 14.400 BTU/h



18000 BTU/h
Cooling (max) : 21.000 BTU/h
Heating (max) : 23.000 BTU/h



24000 BTU/h
Cooling (max) : 27.000 BTU/h
Heating (max) : 27.000 BTU/h





Attractive Design

It provides easy access to the comfort you desire through its attractive design.

Equipped with the best technologies, Rota Climate Seal makes your life easier with its power and aesthetics.

Design Team

Climate is under your control

Air conditioning is in your control due to Rota Climate's high technology.



Technology Team



Self Cleaning Feature



25dB Ultra Quiet Operation

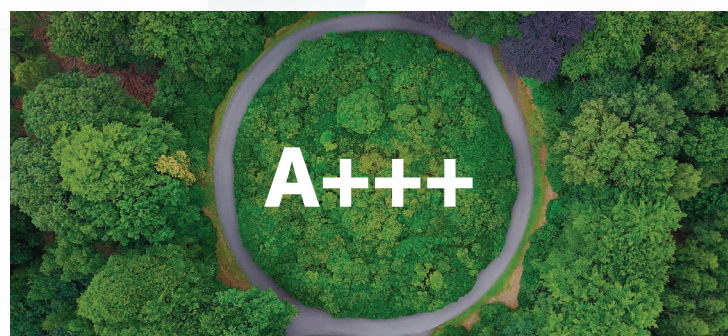


60% energy saving
R32 Refrigerant



With inverter technology
A+++ Energy efficiency.

The inverter is a technology that provides more efficiency and comfort by changing the operating frequency of the engine.



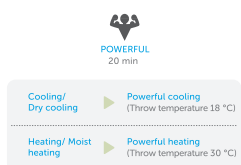
Wide Wing

Wide wings angle comfort spreads, throughout the room



Strong Mode

It provides powerful performance with just pressing a key.



Powerful mode

Provides stronger performance with one click cools room fast, heats fast.



WiFi Technology*

You can air condition your room remotel

*WiFi Feature is optional.



Comfort Sleep Mode

Overheating and overcooling are avoided during the night by activating the Comfort Sleep Mode with the OFF key

GREAT
TECHNOLOGY
Antarctica Coolness

Macaroni 



RotaClimate



Digital Screen



9000 BTU/h

Cooling (max) : 11.600 BTU/h
Heating (max) : 11.500 BTU/h

12000 BTU/h

Cooling (max) : 13.400 BTU/h
Heating (max) : 14.200 BTU/h

18000 BTU/h

Cooling (max) : 21.000 BTU/h
Heating (max) : 23.000 BTU/h

24000 BTU/h

Cooling (max) : 27.000 BTU/h
Heating (max) : 27.000 BTU/h

Macaroni

Feel the Difference Instantly

Equipped with innovative and advanced technology, Macaroni is designed entirely for your comfort.

Your device, which provides a clear airflow and makes your living space more enjoyable with its superior quality, offers long-lasting and reliable performance, allowing you to enjoy Rota Climate for many years.

Complete Comfort

Meet the comfort of silence. With macaroni, where you can experience modern technology in the most effective way, you'll enjoy tranquility whether you're relaxing or working in a quiet environment.

While your device maintains the ideal temperature in any space you desire, it also ensures energy efficiency.

Climate is under your control

Air conditioning is in your control due to Rota Climate's high technology.

Macaroni



GASE

WiFi (optional)

SLEEP MODE

-15 °C

WIDE WIND

ULTRA SILENCE

TURBO

SELF CLEANING FEATURE

GOLD PLATING TECHNOLOGY



Technology Team



Self Cleaning Feature



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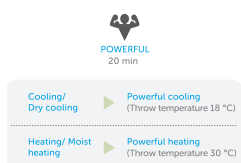
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Gold Plating Technology

GREAT TECHNOLOGY

Antarctica Coolness


Reindeer



TURBO

ULTRA SILENCE

SMART DUST
HOLDER

IONIZER

BIOFILTER

3 DIMENSIONS WINGS



RotaClimate



Experience the new design with superior technology.

Reindeer, which has won admiration with its new design, will suit very well every area where it is used. Reindeer, the new technology that keeps you comfortable in all seasons with perfect climate control, is designed to make your life better.

You can immediately become acquainted with this technology that is environmentally friendly with its energy and considers your budget.



Silent as the Poles

Combining quality, comfort and technology, Reindeer provides comfortable air flow with its ultraquiet operation feature, and only the sounds you love be with you in your home or workplace.



Climate is under your control

Air conditioning is in your control due to Rota Climate's high technology.

Reindeer

12000 BTU/h

Cooling (max) : 14.200 BTU/h
Heating (max) : 16.300 BTU/h

18000 BTU/h

Cooling (max) : 21.400 BTU/h
Heating (max) : 23.900 BTU/h



Technology Team



GASE



WIFI



SLEEP MODE



-15 °C



WIDE WIND



TURBO



ULTRA SILENCE



SMART DUST HOLDER



IONIZER



BIOFILTER



3 DIMENSIONS WINGS



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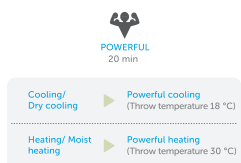
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WiFi Technology

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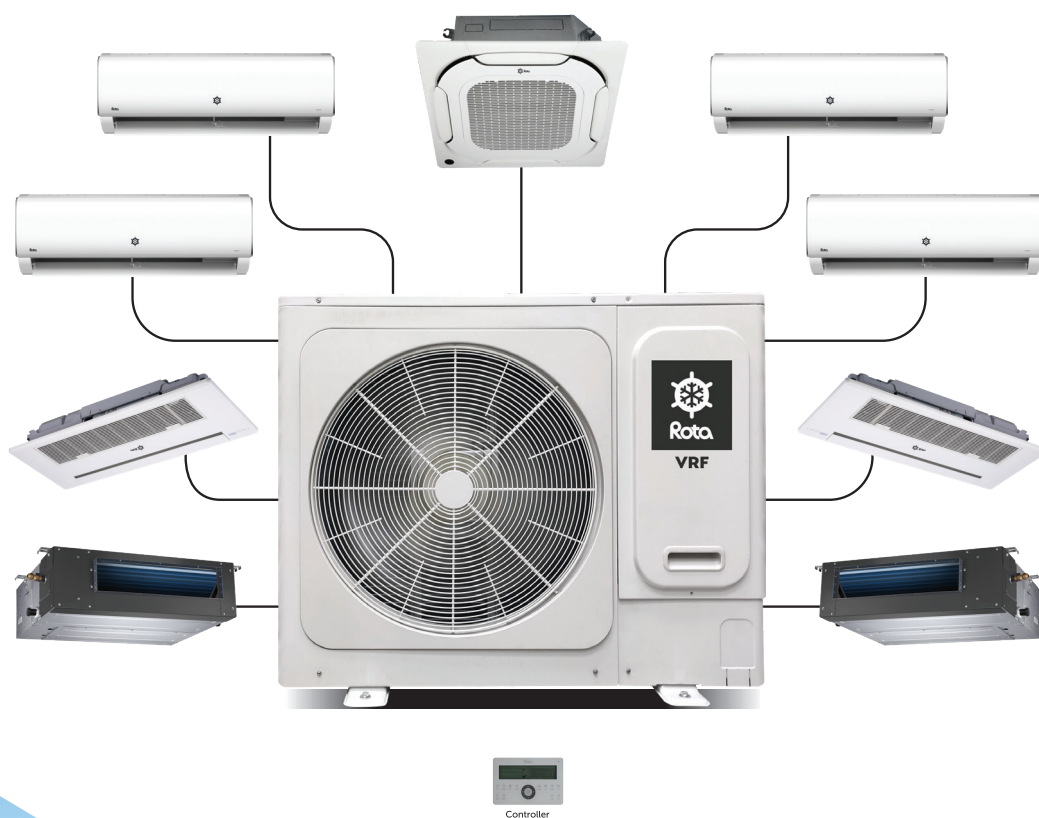
GREAT TECHNOLOGY

Antarctica Coolness



OCTOPUS

Mini VRF



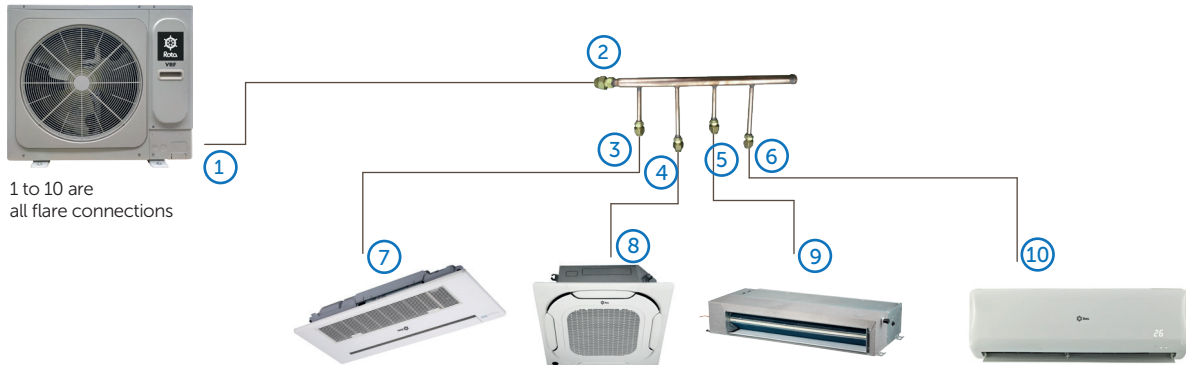
RotaClimate



OCTOPUS Mini VRF Series

All flare connections, the easiest VRF to install

Mini VRF system uses all flare connection which can greatly simplify installation. The multiple branch header with 1 to 2,3,4,5 or 6 options further simplify installation.



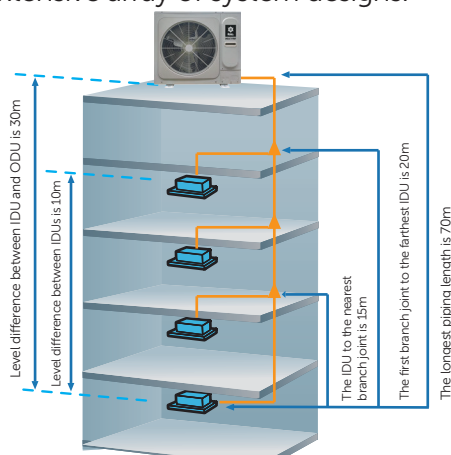
1 to 9 Indoor Units Connection

A single outdoor unit supports 1 to 9 indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units.



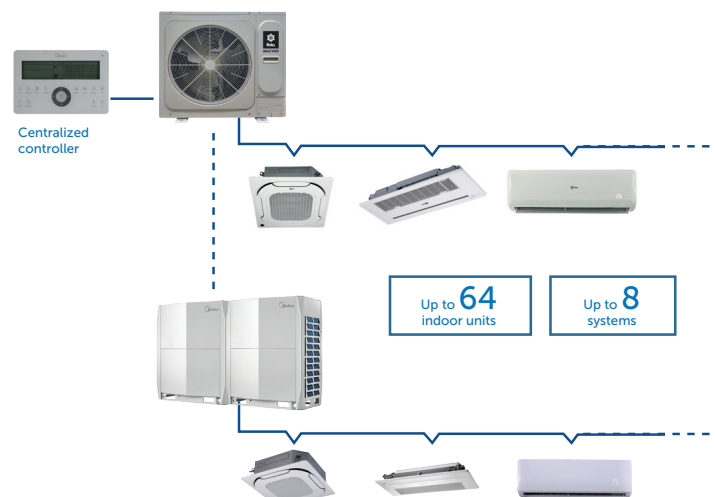
Long Piping Length

Mini VRF provides a total piping length possibility of 130m, a maximum height difference between outdoor and indoor units of 30m. The height difference between indoor units can be up to 10m. These generous allowances facilitate an extensive array of system designs.

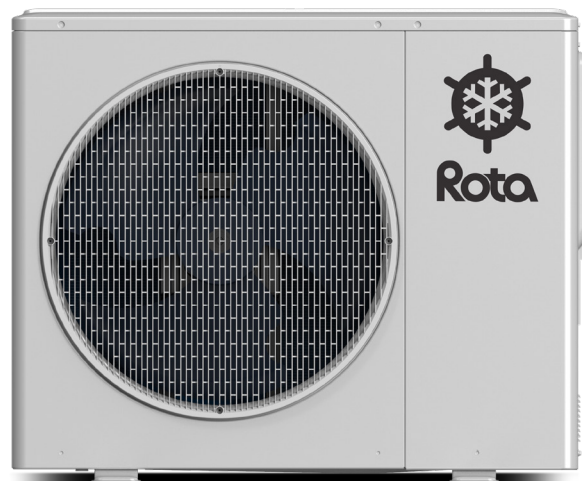


Centralized Control with Other VRF System, Convenient for Unified Management

Mini VRF series system and other VRF system with up to 64 indoor units and 8 system can be controlled in one centralized control system, it is very convenient for administrators to manage equipment uniformly.

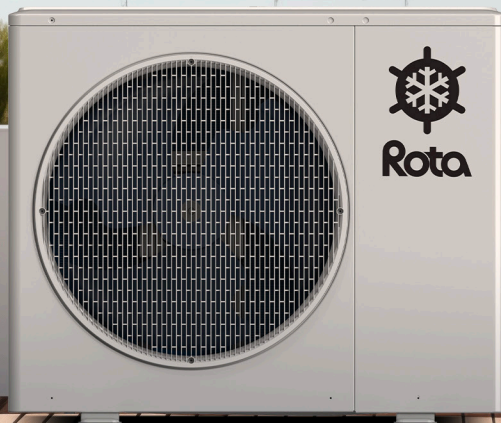


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Antarctica Coolness
Heat Pump
Monoblock



RotaClimate

Features



With daily & weekly programming and solar photovoltaic applications,

One system, year-round control



All Dc Inverter Design
Realize Energy Saving



High
Efficiency



Built-in Wifi
Module



R32
Environmental
Refrigerant



Maximum 65°C
Water Temperature



ECO ve AUTO
Mode



Wide Capacity
Range (8~16kw)



Easy Data Transfer
via USB.



Remote
Control Unit



Energy Consumption
(Calculation Value)
Display



Up to 96 kW
capacity with
6 cascades



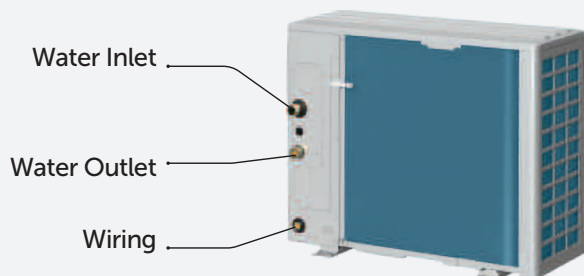
Legionella
Mode



Features

Easy Installation

Refrigerant piping is not required



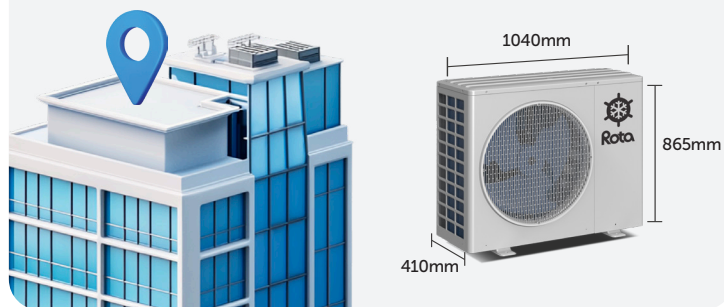
Easy Transportation

Single unit size 0.4m³



Space Saving

Small size with great power covers an area of only 0.4m²



External Electric Heater

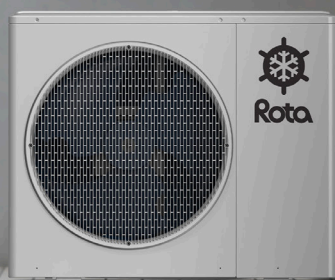


Enhance Capacity for Heating System

Power Supply	(V/Ph/Hz)	380-415/3/50			220-240/1/50	
Capacity	kW	4.5	6	9	3	4.5



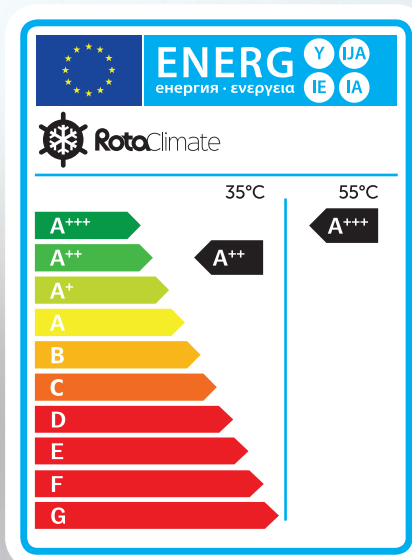
POWER YOUR HOME WITH
NATURE'S FLOW



Application

A complete, All-Year-Round Solution

- Space Cooling
- Space Heating
- Domestic Hot Water



RotaClimate HP series offers flexibility in that its hydraulic components can be installed either indoors or outdoors. In the RotaClimate HP-Mono model, the hydronic components are integrated into the outdoor unit.

This provides the advantage of easy and practical installation, offering more flexibility and alternative solutions in mounting.

It has an A+++ class in energy efficiency and makes a significant contribution to reducing environmental impacts.



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Antarctica Coolness



POLAR BEAR



INVERTER
24000BTU
Cooling 29100 BTU max
Heating 33400 BTU max



INVERTER
42000BTU
Cooling 42000 BTU max
Heating 47000 BTU max



INVERTER
48000BTU
Cooling 50000 BTU max
Heating 64000 BTU max



RotaClimate



POLAR BEAR

Climate is under your control

Air conditioning is in your control due to Rota Climate's high technology.



Technology Team



Energy Saver



Strong Mode

It provides powerful performance with just pressing a key.



Comfort Sleep Mode

Overheating and overcooling are avoided at night by activating the Comfort Sleep Mode with the OFF key.



Vertical Wings

Wide Comfortable Spaces



34dB

Ultra Quiet Operation



Energy saving

220W

Monophase Electric

Working at home or in the office comfortably with a 220W power line



Bio Filter

BioFilter blocks harmful bacteria and keeps the air clean and fresh.

GREAT TECHNOLOGY

Antarctica Coolness


Panda



ENERGY

R290

GASE



BIOFILTER



MOBILE



SLEEP MODE



TIMER



RotaClimate



Great solutions for small spaces

Rota/Panda air conditioner provides great comfort for small spaces with its mobile function and -12000BTU high capacity during heating or cooling processes.

It is also extremely functional and practical with its compact and modern design for occupied spaces.

Design Team



Whether at Home,
Whether in the Office,
Whether in the Home Office

12000 BTU

Panda is a powerful air conditioner for occupied spaces due to its capacity.



The least energy-consuming air conditioner in its class with Panda Energy efficiency



Comfort Sleep Mode

Overheating and overcooling are avoided at night by activating Comfort Sleep Mode with the OFF key.



Mobile

You can easily control the climate of indoor places whenever and wherever you want with its mobile feature.

BioFilter

BioFilter blocks harmful bacteria and keeps the air clean and fresh.



24 hour timer

It can be turned ON or OFF anytime you wish by activating the timer.

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Antarctica Coolness

Cassette type air conditioning



360°



ENERGY

GASE

-15 °C

BIOFILTER

TURBO

RESTART

SLEEP MODE

WIDE WIND

TIMER

WiFi (opsiyonel)



RotaClimate



Climate is under your control

Air conditioning is in
your control due to
Rota Climate's high
technology.

Technology Team



360°

24000BTU ~ 42000BTU ~ 48000BTU
(27.000-30.500) (42.000-48.000) (54.000-59.000)



ENERGY



GASE



-15 °C



BIOFILTER



TURBO



RESTART



SLEEP MODE



WIDE WIND



TIMER



WiFi (opsyone1)



29dB
Ultra Quiet
Operation



Wind Wings
Wide Comfortable Spaces



Bio Filter
BioFilter blocks harmful
bacteria and keeps the air
clean and fresh.



60% energy saving
R32 Refrigerant



Comfort Sleep Mode

Overheating and overcooling
are avoided at night by
activating Comfort
Sleep Mode with the OFF key.



Strong Mode

It provides powerful pressing a
key. Performance with just

GREAT TECHNOLOGY

Antarctica Coolness

Duct type air conditioning



RotaClimate



Climate is under your control

Air conditioning is in your control due to Rota Climate's high technology.

Technology Team



24000BTU - 48000BTU - 60000BTU
(59.000) (60.000) (70.000)



29dB
Ultra Quiet Operation



Wind Wings
Wide Comfortable Spaces



Bio Filter
BioFilter blocks harmful bacteria and keeps the air clean and fresh.



60% energy saving
R32 Refrigerant



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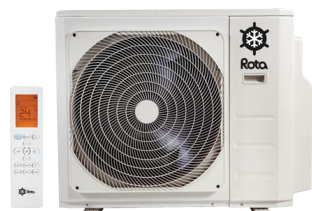
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Antarctica Coolness

Multi Air Conditioning

one outside many inside

You can operate
Wall mounted, Cassette type, Duct type
up to 5 indoor units with single outdoor unit



RotaClimate

One outside many inside air conditioning

You can create a comfortable space by having one outdoor unit connected to five indoor units.

Technology Team



M2-18 OD

18 BTU 2+1 DIŞ ÜNİTE	2 İÇ ÜNİTE	9+9	9+12	12+12
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M3-28 OD

28 BTU 3+1 DIŞ ÜNİTE	2 İÇ ÜNİTE	9+9	9+12	9+18	12+12	12+18
	3 İÇ ÜNİTE	9+9+9	9+9+12	9+12+12	12+12+12	

M4-36 OD

36 BTU 4+1 DIŞ ÜNİTE	2 İÇ ÜNİTE	9+24	12+24	18+18	18+24				
	3 İÇ ÜNİTE	9+9+18	9+9+24	9+12+18	9+12+24	9+18+18	12+12+18	12+12+24	12+18+18
	4 İÇ ÜNİTE	9+9+9+9	9+9+9+12	9+9+9+18	9+9+12+12	9+9+12+18	9+12+12+12	12+12+12+12	

M5-42 OD

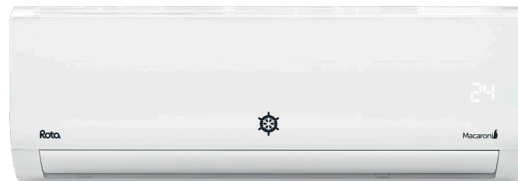
42 BTU 5+1 DIŞ ÜNİTE	3 İÇ ÜNİTE	12+18+24	18+18+18				
	4 İÇ ÜNİTE	9+9+12+24	9+9+18+18	9+12+12+18	12+12+12+18		
	5 İÇ ÜNİTE	9+9+9+9+9	9+9+9+9+12	9+9+9+9+18	9+9+9+12+12	9+9+12+12+12	



ROTA Model Name - Indoor			SEAL09ID	SEAL12ID	SEAL18ID	SEAL24ID
ROTA Model Name - Outdoor			SEAL09OD	SEAL12OD	SEAL18OD	SEAL24OD
Indoor code			22022011012298	22022011013881	22022011012358	22022011012359
Outdoor code			22022016015240	22022016015140	22022016016840	22022016016820
Power supply		V-Ph-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz
Rated Cooling	Capacity	Btu/h	9000(3100~11600)	12000(3800~14200)	18000(6200~21000)	24000(7100~27000)
Cooling Power input		W	732(100~1240)	1213(130~1580)	1550(140~2300)	2600(420~3150)
Cooling Current		A	3.18(0.4~5.4)	5.27(0.5~6.9)	6.7(0.6~10)	11.5(1.8~13.8)
Rated Heating	Capacity	Btu/h	10000(2800~11500)	13000(3700~14400)	19000(4400~23000)	25000(5500~27000)
Heating Power input		W	733(120~1200)	1088(100~1680)	1570(220~2350)	2400(300~2750)
Heating Current		A	3.18(0.5~5.2)	4.73(0.4~6.9)	6.8(0.95~10.2)	11(1.3~12.2)
Seasonal Cooling	Pdesigngc	KW	2.8	3.5	5.3	7.0
	SEER	W/W	6.2	6.1	6.7	6.1
	Energy Efficiency Class		A++	A++	A++	A++
Heating(Average)	Pdesigngh	KW	2.6	2.6	4.1	5.1
	SCOP	W/W	4.0	4.0	4.1	4.0
	Energy Efficiency Class		A+	A+	A+	A+
	Tbiv	°C	-7	-7	-7	-7
Tol		°C	-15	-15	-15	-15
Max. input consumption		W	2150	2150	2500	3500
Max. current		A	10	10	13	15.5
Compressor	Type		ROTARY	ROTARY	ROTARY	Twin-ROTARY
Indoor air flow (Hi/Mi/Lo)		m³/h	466/360/325	540/430/314	840/680/540	980/817/662
Indoor sound pressure level (Hi/Mi/Lo/Si)		dB(A)	38.5/32/25/21	40.5/34.5/25/21.0	42.5/36/26/20	45/40.5/36/29.5
Indoor sound power level (Hi)		dB(A)	52	52	55	59
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	870x270x365	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	Kg	7.6/9.7	7.6/9.8	10/13	12.3/15.8
Outdoor air flow		m³/h	1750	1800	2100	3500
Outdoor sound pressure level		dB(A)	55.5	56.0	56	59
Outdoor sound power level		dB(A)	61	62	63	65
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	805x330x554	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	915x370x615	995x398x740
	Net/Gross weight	Kg	23.2/25.0	23.2/25.0	32.7/35.4	42.9/45.9
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged quantity	Kg	0.55	0.55	1.08	1.42
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25	25	30	50
	Max. difference in level	m	10	10	20	25
Connection wiring			1.5x5//	1.5x5//	1.5x5//	2.5x5//
Plug type			1.5x3/no-plug	1.5x3/no-plug	//no-plug	//no-plug
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/ heating)	°C	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor(cooling/heating)	°C	-15 ~ 50/-15 ~ 30	-15 ~ 50/-15 ~ 30	-15 ~ 50/-15 ~ 30	-15 ~ 50/-15 ~ 30
Application area	minimum-maximum	m²	12 ~ 16	16 ~ 23	24 ~ 35	32 ~ 47
Qty/per 20' /40' /40'HQ			132/274/305	132/274/305	84/180/208	66/137/156
Replacement (extra) heating capacity		kW	0.0	0.0	0.0	0.0
Annual energy consuption (Cooling / Heating)		kWh/year	156 / 714	221 / 686	247 / 1208	405 / 1691
Heating	P design	kW	2.6	2.5	4.4	5.8
Aegean, Mediterranean Region	SCOP	W/W	5.1	4.73	5.1	4.8
	Energy Efficiency Class		A+++	A+++	A+++	A++

*Leakage in refrigerants causes climate change. Material that has refrigerants with lower global warming potential (GWP) contribute less to global warming if they leak into the atmosphere than materials that have higher GWP. This device contains refrigerant liquid has GWP equal to [xxx]. In case of the coolant liquid in question leakage into the atmosphere, means that the impact on global warming will be [xxx] times greater than 1 kg CO₂ over a 100-year period. Never interfere with the refrigerant circuit or attempt to disassemble the product yourself, and always consult an expert.

*Energy consumption according to standard test results. Actual energy consumption will vary depending on how the device is used and where it is located.



Model			Macaroni 9	Macaroni 12	Macaroni 18	Macaroni 24
Indoor			MACARONI 9 IDU	MACARONI 12 IDU	MACARONI 18 IDU	MACARONI 24 IDU
Outdoor			MACARONI 9 ODU	MACARONI 12 ODU	MACARONI 18 ODU	MACARONI 24 ODU
Power Supply		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling Capacity		Btu/h	9000(3100~11600)	12000(3800~13400)	18000(6200~21000)	24000(7100~27000)
Working Power (Cooling)		W	800(100~1240)	1320(83~1600)	1550(140~2300)	2600(420~3150)
Working Current (Cooling)		A	3.48(0.4~5.4)	5.8(0.8~7.3)	6.7(0.6~10)	11.5(1.8~13.8)
Heating Capacity		Btu/h	10000(2800~11500)	13000(3700~14200)	19000(4400~23000)	25000(5500~27000)
Working Power (Heating)		W	930(120~1200)	1190(167~1400)	1570(220~2350)	2400(300~2750)
Working Current (Heating)		A	4.05(0.5~5.5)	5.3(1.4~6.4)	6.8(0.95~10.2)	11(1.3~12.2)
Seasonal Cooling	P design	kW	2.6	3.5	5.2	7.0
	SEER	W/W	7.0	6.5	7.4	6.1
	Energy Efficiency Class		A++	A++	A++	A++
Seasonal Heating (Average)	P design	kW	2.3	2.8	4.1	4.8
	SCOP	W/W	4.1	4.1	4.0	4.0
	Energy Efficiency Class		A+	A+	A+	A+
	Design Temperature	°C	-7	-7	-7	-7
Seasonal Heating (Aegean-Mediterranean Region)	P design	kW	2.3	3.0	4.4	5.8
	SCOP	W/W	5.1	5.2	5.1	4.8
	Energy Efficiency Class		A+++	A+++	A+++	A++
	Design Temperature	°C	2	2	2	2
Annual Energy Consumption Q.CE		kWh/yil	130	188	247	405
Annual Energy Consumption Q.HE		kWh/yil	792	958	1435	1680
Annual Energy Consumption		kWh/yil	130 / 666	188 / 823	247 / 1208	405 / 1691
Tol		°C	-15	-15	-15	-15
Max Input Production		W	2150	2150	2500	3500
Max Flow		A	10	10	13	15.5
Compressor		Type	ROTARY	ROTARY	ROTARY	Twin-ROTARY
Air Flow Rate (High-Medium-Low)		m3/h	435/333/259	530/430/310	840/680/540	980/817/662
Indoor UnitSound Pressure Level (Hi/Mi/Lo/Si)		dB(A)	37/32/25/21.5	39.5/35.5/25/21.5	42.5/36/26/20	45/40.5/36/29.5
Indoor UnitSound Power Level (Hi)		dB(A)	50	54	56	59
Indoor Unit	Dimensions	mm	715x194x285	805x194x285	957x213x302	1040x220x327
	Package Dimensions	mm	780x270x365	870x270x365	1035x295x385	1120x405x315
	Net/Gross Weight	Kg	6.7/8.8	7.3/9.5	10/13	12.3/15.8
Outdoor UnitSound Pressure Level		dB(A)	55	55	56	59
Outdoor UnitSound Power Level		dB(A)	59	64	63	67
Outdoor Unit	Dimensions	mm	720x270x495	720x270x495	805x330x554	890x342x673
	Package Dimensions	mm	835x300x540	835x300x540	915x370x615	995x398x740
	Net/Gross Weight	Kg	21/22.8	21/22.8	32.7/35.4	42.9/45.9
Refrigerant	Type		R32	R32	R32	R32
	GWP		675	675	675	675
	Charged Quantity	Kg	0.47	0.52	1.08	1.42
Refrigerant Pipes	Liquid Side/Gas Side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Maximum Pipe Length	m	25	25	30	50
	Maximum Height Difference	m	10	10	20	25
Wiring Type			1.5x5//	1.5x5//	1.5x5//	2.5x5//
Plug Type			//no-plug	//no-plug	//no-plug	//no-plug
Thermostat Type			Remote Control	Remote Control	Remote Control	Remote Control
Working Temperature	Indoor (Cooling/Heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor (Cooling/Heating)	°C	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30
Application Area		m2	12~18	16~23	24~35	32~47
Container Quantity 20' /40' /40'HQ			138/284/312	132/274/305	84/180/208	66/137/156

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*In case of the coolant liquid in question leakage into the atmosphere, means that the impact on global warming will be [xxx] times greater than 1 kg CO₂ over a 100-year period. Never interfere with the refrigerant circuit or attempt to disassemble the product yourself, and always consult an expert.

*Energy consumption according to standard test results. Actual energy consumption will vary depending on how the device is used and where it is located.



ROTA Model Name - Indoor			ROTA REINDEER 12 IDU	ROTA REINDEER 18 IDU
ROTA Model Name - Outdoor			ROTA REINDEER 12 ODU	ROTA REINDEER 18 ODU
Power supply		V-Ph-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz
Rated Cooling	Capacity	Btu/h	12000(3500~14200)	18000(6600~21400)
Cooling Power input		W	1140(100~1600)	1550(150~2250)
Cooling Current		A	5.1(0.4~6.9)	6.7(0.7~9.8)
Rated Heating	Capacity	Btu/h	13000(3000~16300)	19000(4400~23900)
Heating Power input		W	1080(160~1710)	1500(220~2350)
Heating Current		A	4.8(0.7~7.4)	6.5(0.95~10.2)
Seasonal Cooling	Pdesignc	kW	3.5	5.3
	SEER	W/W	7.0	7.0
	Energy Efficiency Class		A++	A++
Heating(Average)	Pdesignh	kW	2.9	4.1
	SCOP	W/W	4.0ca	4
	Energy Efficiency Class		A+	A+
	Tbiv	°C	-7	-7
Tol		°C	-15	-15
Max. input consumption		W	2150	2500
Max. current		A	10	13
Starting Current		A	/	/
Compressor	Type		ROTARY	ROTARY
Indoor air flow (Hi/Mi/Lo)		m³/h	584/477/395	730/500/420
Indoor sound pressure level (Hi/Mi/Lo/Si)		dB(A)	39/32/26/23	43/33.5/28//
Indoor sound power level (Hi)		dB(A)	55.0	58.0
Indoor unit	Dimension(W*D*H)	mm	802x189x297	965x215x319
	Packing (W*D*H)	mm	875x285x380	1045x305x410
	Net/Gross weight	Kg	8.6/11.1	10.9/14.2
Outdoor air flow		m³/h	1800	2100
Outdoor sound pressure level		dB(A)	56.0	55.5
Outdoor sound power level		dB(A)	65.0	64.0
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	805x330x554
	Packing (W*D*H)	mm	835x300x540	915x370x615
	Net/Gross weight	Kg	23.2/25.0	33.5/36.1
Refrigerant	Type		R32	R32
	GWP		675	675
	Charged quantity	Kg	0.55	1.1
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)
	Max. refrigerant pipe length	m	25	30
	Max. difference in level	m	10	20
Connection wiring			1.5x5//	1.5x5//
Plug type			//no-plug	//no-plug
Thermostat type			Remote Control	Remote Control
Operation temperature	Indoor(cooling/ heating)	°C	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor(cooling/heating)	°C	-15 ~ 50/-15~24	-15 ~ 50/-15 ~ 24
Application area	minimum-maximum	m²	16 ~ 23	24 ~ 35
Qty/per 20' /40' /40'HQ			130/276/302	86/174/204
Annual energy consuption (Cooling / Heating)		kWh/year	180 / 991	265 / 1435
Design load in -10 °C (P design)	Heating	kW	2.9	4.1
Declared capacity in -10 °C	Heating	kW	2.687	3.393
Replacement (extra) heating capacity in -10 °C	Heating	kW	0.213	0.707
Annual energy consuption (Cooling / Heating) (Aegean, Mediterranean Region)		kWh/year	180 / 639	265 / 1308
Heating (Aegean, Mediterranean Region)	P design	kW	2.5	4.4
	SCOP	W/W	4.73	5.1
	Energy Efficiency Class		A+++	A+++
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ROTA Model Name - Indoor			POLAR 24 ID	POLAR 42 ID	POLAR 48 ID
ROTA Model Name - Outdoor			POLAR 24 OD	POLAR 42 OD	POLAR 48 OD
Power supply		V-Ph-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz
Rated Cooling	Capacity	Btu/h	24000(12000~24100)	41300(10000~42000)	48000(12000~52400)
Cooling Power input		W	2340(570~3600)	4400(680~4600)	4900(900~5700)
Cooling Current		A	10,4(2,5~16,0)	19,5(3,1~20,4)	22(5,2~25)
EER		W/W	3,01	2,75	2,87
Heating Capacity		Btu/h	26000(9600~33400)	45000(11500~47000)	55000(14000~60000)
Heating Power input		W	2000(1450~3150)	3900(750~4400)	5100(1000~5700)
Heating Current		A	8,9(6,7~14,0)	17,0(3,4~19,5)	22,5(5,2~25,0)
COP		W/W	3,81	3,38	3,16
Seasonal Cooling	Pdesignc	kW	7,0	12,1	14,1
	SEER	W/W	6,1	5,8	6,1
	Energy Efficiency Class		A++	A+	A++
	Seasonal Space Heating Efficiency (ηs,c)	%			241
Heating(Average)	Pdesignh	kW	6,1	8,4	11,0
	SCOP	W/W	4,0	4,2	4,0
	Energy Efficiency Class		A+	A+	A+
	Seasonal Space Heating Efficiency (ηs,c)	%			157
	Tbiv	°C	-7	-7	-7
Tol		°C	-15	-15	-15
Max. input consumption		W	4850	5000	6900
Max. current		A	20,0	22,5	29,0
Compressor	Type		Twin-ROTARY	ROTARY	ROTARY
Indoor air flow (Hi/Mi/Lo)		m3/h	990/760/640	1900/1750/1550	2413/2222/2027
Indoor sound pressure level (Hi/Mi/Lo/Si)		dB(A)	39,5/37,5/34,5	52/49/46/40	53/50/48/39,5
Indoor sound power level (Hi)		dB(A)	59	65	67
Indoor unit	Dimension(W*D*H)	mm	405x405x1775	585x405x1830	1935x629x456
	Packing (W*D*H)	mm	2000x510x490	2060x750x550	2055x750x575
	Net/Gross weight	Kg	29,9/38,4	49,75/61,89	59,0/77,0
Outdoor air flow		m3/h	3500	5100	7500
Outdoor sound pressure level		dB(A)	58,5	64,0	63,0
Outdoor sound power level		dB(A)	68	73	73
Outdoor unit	Dimension(W*D*H)	mm	890x342x673	946x410x810	952x415x1333
	Packing (W*D*H)	mm	995x398x740	1090x500x885	1095x495x1480
	Net/Gross weight	Kg	44,7/47,9	66,87/71,51	91,5/105,4
Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	Kg	1,95	2,3	2,9
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6,35mm(1/4in)/12,7mm(1/2in)	9,52mm(3/8in)/15,9mm(5/8in)	9,52mm(3/8in)/15,9mm(5/8in)
	Max. refrigerant pipe length	m	50	55	65
	Max. difference in level	m	25	20	30
Connection wiring			1,5x4//	1,0x4//	1,5x4//
Thermostat type			Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/ heating)	°C	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor(cooling/heating)	°C	-15 ~ 50/-15 ~ 24	-15 ~ 50/-15 ~ 24	-15 ~ 50/-15 ~ 24

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 *Energy consumption according to standard test results. Actual energy consumption will vary depending on how the device is used and where it is located.



ROTA Model Name			Panda 12
Power supply		V-Ph-Hz	220-240V, 1Ph, 50Hz
Cooling	Capacity	Btu/h	12000
	Power Consumption	W	1350
	Current	A	5,9
	EER	W/W	2,6
	Energy Efficiency Class		A
Heating	Capacity	Btu/h	10000
	Power Consumption	W	1045
	Current	A	5
	COP	W/W	2,8
	Energy Efficiency Class		A+
Dehumidification		L/h	3,376
Nominal Power Consumption		W	1450
Nominal Current		A	8
Starting Current		A	20
Compressor	Type		ROTARY
ToI		°C	-15
Max. input consumption		W	2150
Max. current		A	10
Compressor	Type		ROTARY
Air flow (Hi/Mi/Lo)		m3/h	420/370/355
Sound pressure level (Hi/Mi/Lo)		dB(A)	52/51,3/50,6
Sound power level (Hi)		dB(A)	64
Power Consumption in Standby Mode		W	0,5
Refrigerant	Type		R290
	GWP		3
	Charged quantity	Kg	0,22
	CO2 quantity	Kg	0,66
P Design		MPa	2,6/1,0
Control type			Remote Controller
Operation temperature (cooling / heating)		°C	17-35/5-30
Application area (at cooling standard)		m2	16-23
Sizes	Dimension(W*D*H)	mm	467/397/765
	Packing (W*D*H)	mm	512/442/880
	Net/Gross weight	Kg	33,2/37
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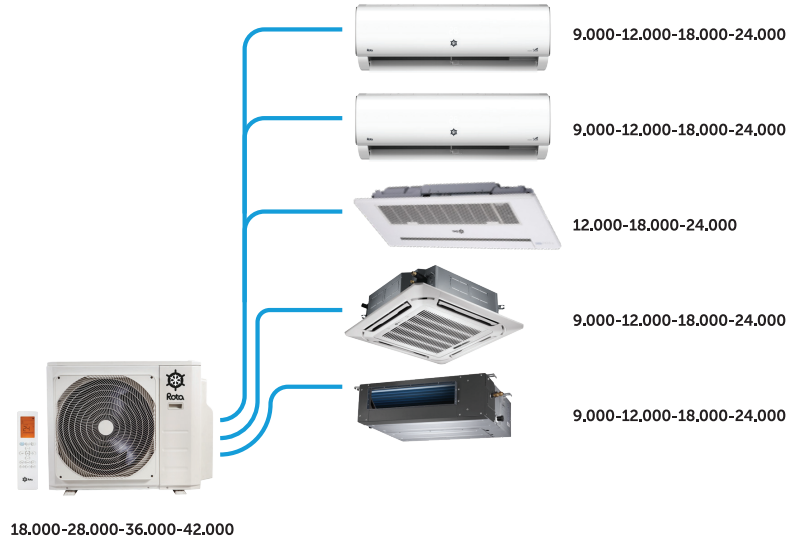
Model			CASSETTE 24	CASSETTE 42	CASSETTE 48
Indoor Model			CASSETTE 24 ID	CASSETTE 42 ID	CASSETTE 48 ID
Outdoor Model			CASSETTE 24 OD	CASSETTE 42 OD	CASSETTE 48 OD
Average	Pdesign I	kW	7.0	12.1	14.0
	SEER	W/W	6.2	6.1	6.1
	Energy Efficiency Class		A++	A++	A++
	Seasonal space cooling energy efficiency (ηs,c)	%			241
	Pdesign S	kW	6.0	9.5	11.0
	SCOP	W/W	4.0	4.0	4.0
	Energy Efficiency Class		A+	A+	A+
	Seasonal space heating energy efficiency (ηs,c)	%			157
Heating (Aegean-Mediterranean region)	Design temperature	°C	-7	-7	-7
	Pdesign S	kW	6.3	9.8	12
	SCOP	W/W	5.1	5.1	5.0
	Energy Efficiency Class		A+++	A+++	A++
Cooling	Design temperature	°C	2	2	2
	Tol	°C	-15	-15	-15
	Electric welding				
	Indoor Unit	V,Ph,Hz	220-240V, 1Ph,50Hz	220-240V, 1Ph,50Hz	220-240V, 1Ph,50Hz
Heating	Outdoor Unit	V,Ph,Hz	220-240V, 1Ph,50Hz	220-240V, 1Ph,50Hz	380-415V, 3Ph,50Hz
	Capacity	Btu/h	24000(11263-27000)	41000(10000-42000)	48000(12000-54000)
		kW	7.03(3.30-7.91)	12.02(2.93-12.31)	14.07(3.52-15.83)
	Electric power	W	2320(780-2748)	4200(680-4350)	4650(800-5900)
Indoor Unit	Operating current	A	10.2(4.2-12)	18.8(3.1-19.1)	8.1(1.8-10.2)
	Capacity	Btu/h	26000(9577-30500)	46000(11500-48000)	55000(14000-59000)
		kW	7.62(2.81-8.94)	13.48(3.37-14.07)	16.12(4.10-17.29)
	Electric power	W	1900(610-2700)	3700(750-4250)	4580(900-5500)
Outdoor Unit	Operating current	A	8.5(3.6-12.1)	16.3(3.4-19)	8.0(1.9-9.5)
	Air flow (Hi/Mi/Lo)	m³/h	1247/1118/992	1900/1750/1600	1900/1750/1600
	Sound pressure level (Hi/Mi/Lo)	dB(A)	50/47.5/42/29	52.5/50/47.5/40	52.5/50.5/48/40
	Sound power level	dB(A)	57	65	65
Indoor unit	Sound power level	dB(A)	60	63	63.5
	Sound pressure level	dB(A)	67	71	73
	Dimension Device (W*D*H)	mm	830x830x205	830x830x287	830x830x287
	Packing Device (W*D*H)	mm	910x910x250	910x910x330	910x910x330
Refrigerant piping	Dimension Panel (W*D*H)	mm	950x950x55	950x950x55	950x950x55
	Packing Panel (W*D*H)	mm	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross Weight Device	kg	21.6/25.4	29.3/33.5	29.3/33.5
	Net/Gross Weight Panel	kg	6/9	6/9	6/9
Drainage water pipe diameter		mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
Refrigerant pipes		mm	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)
Control type			Remote Control		
Room temperature	Cooling	°C	16-32	16-32	16-32
	Heating	°C	0-30	0-30	0-30
Compressor	Type		Twin-ROTARY	ROTARY	ROTARY
Outdoor Unit	Air flow	m³/h	3500	4000	7500
	Dimension(W*D*H)	mm	890x342x673	946x410x810	952x415x1333
	Packing (W*D*H)	mm	995x398x740	1090x500x885	1095x495x1480
	Net/Gross weight	Kg	43.9/46.9	71.0/75.0	103.7/118.3
Refrigerant	Type		R32	R32	R32
	GWP		675	675	675
	Charged quantity	Kg	1.5	2.8	2.9
Outdoor sound pressure level		dB(A)	55.5	56.0	56
Outdoor sound power level		dB(A)	61	62	63
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	50	75	75
	Max. difference in level	m	25	30	30
Ambient temperature	Operating temperature range (cooling)	°C	-15-50	-15-50	-15-50
	Operating temperature range (heating)	°C	-20-24	-20-24	-20-24

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Model			ROTA-DT60
Indoor Model			ROTA-DT60 ID
Outdoor Model			ROTA-DT60 OD
Average	Pdesign C	kW	15,3
	SEER	W/W	6,1
	Energy Efficiency Class		A++
	Seasonal space cooling energy efficiency (ηs,c)	%	241
	Pdesign H	kW	12,5
	SCOP	W/W	4,0
	Energy Efficiency Class		A+
	Seasonal space heating energy efficiency (ηs,c)	%	157
	Design temperature	°C	-7
	T _{db}	°C	-15
Heating (Aegean-Mediterranean region)	Pdesign H	kW	12,8
	SCOP	W/W	5,1
	Energy Efficiency Class		A+++
	Design temperature	°C	2
Power supply	Indoor Unit	V,Ph,Hz	220-240V,1Ph, 50Hz
	Outdoor Unit	V,Ph,Hz	380-415V,3Ph, 50Hz
Cooling		Btu/h	52000 (14000~59000)
	Capacity	kW	15,24 (4,10~17,29)
	Operating power	W	5250 (1030~6650)
	Operating current	A	9,6 (3,1~11,5)
Heating		Btu/h	62000 (15000~70000)
	Capacity	kW	18,17 (4,40~20,52)
	Operating power	W	5150 (950~6600)
	Operating current	A	9,5 (2~11,5)
Indoor Unit	Air flow (Hi/Mi/Lo)	m ³ /h	2600/2210/1820
	ESP range	Pa	0~160
	Sound pressure level (Hi/Mi/Lo)	dB(A)	52,5/49/47
	Sound power level	dB(A)	66
Outdoor Unit	Sound power level	dB(A)	64
	Sound pressure level	dB(A)	74
Indoor unit	Dimension Device (W*D*H)	mm	1200x874x300
	Packing Device (W*D*H)	mm	1405x915x365
	Net/Gross Weight Device	kg	47,4/56,1
Drainage water pipe diameter		mm	ODΦ25mm
Refrigerant pipes		mm	9,52mm(3/8in)/15,9mm(5/8in)
Control type			Wired Control
Operating temperature		°C	16~30
Room temperature	Cooling	°C	16~32
	Heating	°C	0-30
Field of application			64~94
Max. input consumption		W	7500
Max. flow		A	14
Compressor	Type		ROTARY
Gas control type			EXV+Capillary
Outdoor Unit	Air flow	m ³ /h	7500
	Dimension(W*D*H)	mm	952x415x1333
	Packing (W*D*H)	mm	1095x495x1480
	Net/Gross weight	Kg	107,0/121,2
Refrigerant	Type		R32
	GWEP		675
	Charged quantity	Kg	3,0
Outdoor sound pressure level		dB(A)	55,5
Outdoor sound power level		dB(A)	61
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9,52mm(3/8in)/15,9mm(5/8in)
	Max. refrigerant pipe length	m	75
	Max. difference in level	m	30
Ambient temperature	Operating temperature range (cooling)	°C	-15~50
	Operating temperature range (heating)	°C	-20~24
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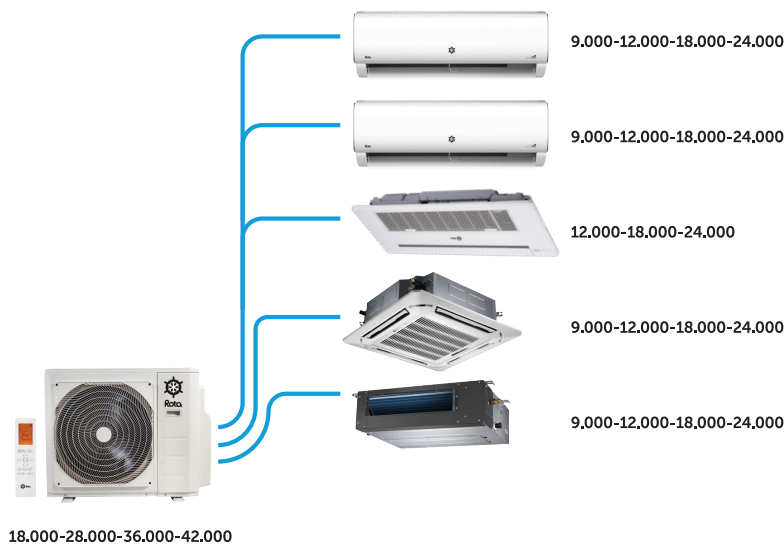
Multi Wall Mounted Type Indoor Units			MS 09-ID	MS 12-ID	MS 18-ID	MS 24-ID
Power supply		V~Ph-Hz	220V-240V, 1Ph, 50Hz			
Cooling	Capacity	kW / Btu/h	2,64 / 9000	3,52 / 12000	5,28 / 18000	7,00 / 24000
	Power input	W	20	20	34	62
	Current	A	0,09	0,09	0,15	0,28
Heating	Capacity	kW / Btu/h	2,93 / 10000	3,81 / 13000	5,56 / 19000	7,32 / 25000
	Power input	W	20	20	34	62
	Current	A	0,09	0,09	0,15	0,28
Air flow (Hi/MiLo)		m ³ /h	520/460/340	600/500/360	840/680/540	980/817/662
Sound pressure level (Hi/MiLoSi)		dB(A)	40/30/26/21	40/34/26/22	44/37/30/25	44,5/42/34,5/28
Sound power level (Hi)		dB(A)	54	53	55	59
Indoor unit	Dimension(W"D"H)	mm	805x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W"D"H)	mm	870x270x360	870x270x360	1035x295x380	1120x405x310
	Net/Gross weight	Kg	7,5/9,7	7,5/9,7	10/13	12,3/15,8
	Liquid/Gas Copper Pipe	mm(inch)	Φ6,35(1/4")/Φ9,52(3/8")	Φ6,35(1/4")/Φ9,52(3/8")	Φ6,35(1/4")/Φ12,7(1/2")	Φ9,52(3/8")/Φ15,9(5/8")
Controller Type			Remote Controller			
Ambient Temperature	Cooling	°C	17-32			
	Heating	°C	0-30			
Operating Temperature		°C	17-30			

Multi Duct Type Indoor Units			MD 09-ID	MD 12-ID	MD 18-ID	MD 24-ID
Power supply		V~Ph-Hz	220V-240V, 1Ph, 50Hz			
Cooling	Capacity	kW / Btu/h	2,64 / 9000	3,52 / 12000	5,28 / 18000	7,04 / 24000
	Power input	W	70	70	184	208
	Current	A	0,42	0,42	1,19	1,35
Heating	Capacity	kW / Btu/h	2,93 / 10000	3,81 / 13000	5,56 / 19000	7,62 / 25000
	Power input	W	70	70	184	208
	Current	A	0,42	0,42	1,19	1,35
Air flow (Hi/MiLo)		m ³ /h	500/340/230	600/480/300	911/706,3/515,2	1229/1035/825,1
External Static Pressure	Graduated	Pa	25			
	Spacing	Pa	0-40	0-60	0-100	0-160
Sound pressure level (Hi/MiLoSi)		dB(A)	40/34,5/27,5	34,5/30,5/29/23	41/38/34/26	49/46/41/27
Sound power level (Hi)		dB(A)	58	57	58	61
Indoor unit	Dimension(W"D"H)	mm	700x500x200	700x500x200	880x674x210	1100x774x249
	Packing (W"D"H)	mm	860x540x275	860x540x285	1070x725x280	1305x805x315
	Net/Gross weight	Kg	18/22	17,8/21,5	24,4/29,6	32,3/39,1
	Drainage Water Pipe Diameter	mm	ODΦ25			
Liquid/Gas Copper Pipe		mm(inch)	Φ6,35(1/4")/Φ9,52(3/8")	Φ6,35(1/4")/Φ9,52(3/8")	Φ6,35(1/4")/Φ12,7(1/2")	Φ9,52(3/8")/Φ15,9(5/8")
Controller Type			Wired Controller			
Ambient Temperature	Cooling	°C	17-32	16-32	16-32	16-32
	Heating	°C	0-30			
Operating Temperature		°C	17-30	16-30	16-30	16-30

Multi Cassette Type Indoor Units			MC 12-ID	MC 18-ID	MC 24-ID
Power supply		V~Ph-Hz	220V-240V, 1Ph, 50Hz		
Cooling	Capacity	kW / Btu/h	3,52 / 12000	5,28 / 18000	7,04 / 24000
	Power input	W	64	64	70
	Current	A	0,38	0,38	0,42
Heating	Capacity	kW / Btu/h	3,81 / 13000	5,57 / 19000	7,60 / 26000
	Power input	W	64	64	70
	Current	A	0,38	0,38	0,42
Air flow (Hi/MiLo)		m ³ /h	620/510/420	720/620/500	1247/1118/992
Sound pressure level (Hi/MiLoSi)		dB(A)	41/36/33/25,5	43/39,5/35,5/29	50/47,5/42/29
Sound power level (Hi)		dB(A)	56	57	57
Indoor unit	Dimension(W"D"H)	mm	570x570x260	570x570x260	830x830x205
	Packing (W"D"H)	mm	662x662x317	662x662x317	910x910x250
	Dimension Panel(W"D"H)	mm	647x647x50	647x647x50	950x950x55
	Packing Panel(W"D"H)	mm	715x715x123	715x715x123	1035x1035x90
	Net/Gross Weight	Kg	16,3/20,4	16/20,6	21,6/25,4
	Net/Gross Weight Panel	Kg	2,5/4,5	2,5/4,5	6,6/9,1
	Drainage Water Pipe Diameter	mm	ODΦ25mm		
Liquid/Gas Copper Pipe		mm(inch)	Φ6,35(1/4")/Φ9,52(3/8")	Φ6,35(1/4")/Φ12,7(1/2")	Φ9,52(3/8")/Φ15,9(5/8")
Controller Type			Remote Controller		
Ambient Temperature	Cooling	°C	16-32	16-32	16-30
	Heating	°C	0-30		

*Leakage in refrigerants causes climate change. Material that has refrigerants with lower global warming potential (GWP) contribute less to global warming if they leak into the atmosphere than materials that have refrigerants higher GWP. This device contains refrigerant liquid has GWP equal to [xxx]. In case of the coolant liquid in question leakage into the atmosphere, means that the impact on global warming will be [xxx] times greater than 1 kg CO₂ over a 100-year period. Never interfere with the refrigerant circuit or attempt to disassemble the product yourself, and always consult an expert.

*Energy consumption according to standard test results. Actual energy consumption will vary depending on how the device is used and where it is located.

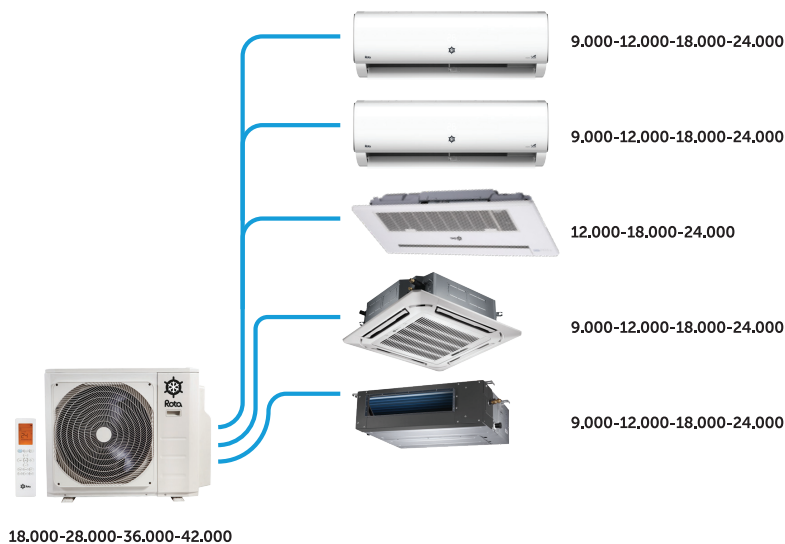


Multi Outdoor Units			M2-18 OD	M3-28 OD	M4-36 OD	M5-42 OD
Power supply		V-Ph-Hz	220V-240V, 1Ph, 50Hz			
Cooling	Capacity	kW / Btu/h	18000(7800~19500)	27000(10850~28000)	36000(12430~37000)	42000(10300~42000)
	Power input	W	1635(690~2000)	2450(290~3100)	3300(330~4250)	3810(280~4650)
	Current	A	7.3(3.2~9.0)	11.2(2.0~13.5)	15.0(1.5~18.5)	16(1.4~20.7)
EER		W/W	3.23	3.23	3.20	44986.00
Heating	Capacity	kW / Btu/h	19000 (8200~19600)	28000(7800~29000)	37000(9730~41000)	42000(11800~42000)
	Power input	W	1500(600~1780)	2210(370~2900)	2760(470~4210)	3300(650~3800)
	Current	A	6.8(2.80~7.95)	10.1(2.4~13)	12.1(2.1~18.4)	14.6(3.0~16.6)
COP		W/W	3.71	3.71	3.93	26724.00
Seasonal Cooling	Pdesignc	kW	5.3	7.9	10.6	12.3
	SEER	W/W	6.1	6.1	6.2	6.1
	Energy Efficiency Class		A++	A++	A++	A++
Heating (Average)	Pdesignc	kW	4.8	5.6	9.0	9.5
	SCOP	W/W	3.8	4.0	3.8	3.5
	Energy Efficiency Class		A	A+	A	A
	Design Heating	ℓ	-7	-7	-7	-7
Heating (Warmer)	Pdesignc	kW	5.0	6.1	9.8	10
	SCOP	W/W	5.1	5.1	5.2	4.9
	Energy Efficiency Class		A+++	A+++	A+++	A++
	Design Heating	ℓ	2	2	2	2
Tol		ℓ	-15	-15	-15	-15
Max. Input Consumption		W	3050	4100	4600	4700
Max. Input Current		A	13	18	21.5	22
Compressor Type			ROTARY	Twin-ROTARY	ROTARY	ROTARY
Air flow		m ³ /h	2100	3000	4000	3850
Sound pressure level		dB(A)	54	58	61	64
Sound power level		dB(A)	65	68	67	69
Gas Control Type			EXV+Capillary			
Dimension(W*D*H)		mm	805*330*554	890*342*673	946x410x810	946x410x810
Packing (W*D*H)		mm	915*370*615	1030*438*750	1090x500x885	1090x500x885
Net/Gross weight		kg	35/38	48/51.8	68.8/75.6	74.1/79.5
Refrigerant	Type		R32			
	GWP		675			
	Charged quantity	Kg	1.25	1.85	2.1	2.9
Refrigerant Pipes	Liquid/Gas Copper Pipe	mm(inch)	2x6.35mm(2x1/4in)/2x9.52mm(2x 3/8in)	3x6.35mm(3x1/4in)/3x9.52mm(3x 3/8in)	4x6.35mm(4x1/4in)/3x9.52mm+ 1 x12.7mm(3x3/8in+1x1/2in)	5x6.35mm(5x1/4in)/4x9.52mm+ 1 x12.7mm(4x3/8in+1x1/2in)
	Max. Length for All Rooms	m	40	60	80	80
	Max. Length for 1 Indoor Unit	m	25	30	35	35
	Maximum height difference between indoor unit and outdoor unit	m	15	15	15	15
	Maximum height difference between indoor units	m	10	10	10	10
Ambient Temperature	Cooling	ℓ	-15 - 50	-15 - 50	-15 - 50	-15 - 50
	Heating	ℓ	-15 - 24	-15 - 24	-15 - 24	-15 - 24

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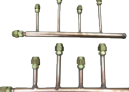
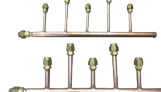
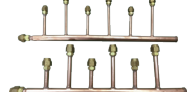
*Energy consumption according to standard test results. Actual energy consumption will vary depending on how the device is used and where it is located.

MULTIOUTDOORS COMBINATION	LENGTH	HEIGHT DIFFERENCE
1 OD + 2 ID	40m	15m
1 OD + 3 ID	60m	15m
1 OD + 4 ID	80m	15m
1 OD + 5 ID	80m	15m



MULTI ONE-WAY CASSETTE INDOOR UNITS			MC1-09	MC1-12	MC1-18	MC1-24
Power supply		V,Hz,Ph	220-240V , 50Hz , 1Ph	220-240V , 50Hz , 1Ph	220-240V , 50Hz , 1Ph	220-240V , 50Hz , 1Ph
Cooling	Capacity	Btu/h	9000	12000	18000	24000
	Input	W	50	50	80	80
	Rated current	A	0,3	0,3	0,4	0,4
Heating	Capacity	Btu/h	10000	13000	19000	24000
	Input	W	50	50	80	80
	Rated current	A	0,3	0,3	0,4	0,4
Indoor air flow		m3/h	470/360/270	500/420/300	920/800/690	1000/870/730
Indoor sound pressure level		dB(A)	42/37/34	44/39/34	45/41/35	45/42/37
Indoor sound power level		dB(A)	55	56	58	60
Indoor unit	Dimension (W x Dx H) (body)	mm	880x450x130	880x450x130	1180x450x130	1180x450x130
	Packing (W x Dx H) (body)	mm	1115x555x240	1115x555x240	1415x555x240	1415x555x240
	Net/Gross weight(body) (body)	kg	14,7/18,5	14,6/18,5	17,9/22,4	17,9/22,4
	Dimension (W x Dx H) (panel)	mm	1180x500x34	1180x500x34	1480x500x34	1480x500x34
	Packing (W x Dx H) (panel)	mm	1280x626x136	1280x626x136	1580x626x136	1580x626x136
	Net/Gross weight (panel)	kg	4,4/7,9	4,4/7,9	5,3/9,4	5,3/9,4
Drainage water pipe dia.		mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
Refrigerant piping	Liquid side/ Gas side	mm	6,35mm(1/4in)/9,52mm(3/8in)	6,35mm(1/4in)/9,52mm(3/8in)	6,35mm(1/4in)/12,7mm(1/2in)	6,35mm(1/4in)/12,7mm(1/2in)
Controller			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		°C	16~30	16~30	16~30	16~30
Room temperature	Cooling	°C	16~32	16~32	16~32	16~32
	Heating	°C	0~30	0~30	0~30	0~30

Flexible branch header Lineup

Model	1 to 2 branch header DXFQT2-02	1 to 3 branch header DXFQT3-02	1 to 4 branch header DXFQT4-02	1 to 5 branch header DXFQT5-02	1 to 6 branch header DXFQT6-02
Görünüş					

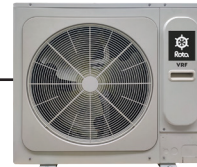
OCTOPUS Mini VRF Series

Outdoor Units

Capacity range:
28/36/42/48/56/60 Btu/h (6 models)



28/36k Btu/h



42/48/56k Btu/h



60k Btu/h

One-way Cassette

Capacity range:
06/07/09/12/15/18/24k Btu/h (7 models)



Four-way Cassette

Capacity range:
09/12/15/18/24/28/32/36/40/48/56k
Btu/h (11 models)



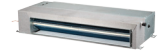
Compact Four-way Cassette

Capacity range:
05/07/09/12/15k Btu/h (5 models)



Medium Static Pressure Duct

Capacity range:
07/09/12/15/18/24/28/32/40/48/56k
Btu/h (11 models)



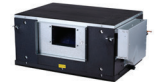
Medium Static Pressure Duct (Arc Series)

Capacity range:
05/07/09/12/15/18/24k Btu/h (7 models)



High Static Pressure Duct

Capacity range:
24/28/32/40/48/56k Btu/h (6 models)



Wall Mounted

Capacity range:
07/09/12/15/18/24/28/32k Btu/h
(8 models)



Celling / Floor

Capacity range:
12/15/18/24/28/32/40/48k Btu/h (8 models)



Note: Octopus Mini Vrf indoor units can Connect to Octopus Mini Vrf outdoor units only.

Outdoor Units Specifications

Model		OCTOPUS V-28 OD		OCTOPUS V-36 OD		OCTOPUS V-42 OD		OCTOPUS V-48 OD		OCTOPUS V-56 OD		OCTOPUS V-60 OD	
Power Supply				220-240V~ 50Hz									
Cooling Capacity		kBtu/h		24(5~27)	30(6~34)	42	47	52	59				
		kW		7,2(1,5-8)	9(2-10)	12.3	14	15.5	17.5				
Heating Capacity		kBtu/h		24,5(5~30)	30(7~41)	47	54	59	64				
		kW		7,2(1,6~9)	9(2.1-12)	14	16	17.5	19				
Connectable Indoor Unit	Total Capacity		45 ~ 130% of outdoor unit capacity										
	Quantity	Minimum	1	1	1	1	1	1					
		Maximum	4	6	7	8	9	9					
Compressor	Type		DC Inverter										
	Quantity		1										
Fan Motor	Type		DC motor										
	Quantity		1										
Refrigerant Type			R410A										
Liquid/Gas Pipe			Φ9,53/Φ15,9	Φ9,53/Φ15,9	Φ9,53/Φ15,9	Φ9,53/Φ15,9	Φ9,53/Φ19,1	Φ9,53/Φ19,1					
Net Dimensions (WxHxD)			910x712x426	910x712x426	950x840x440	950x840x440	950x840x440	1040x865x523					
Net Dimensions (WxHxD)			1045x810x485	1045x810x485	1025x950x510	1025x950x510	1025x950x510	1120x980x560					
Operating Temperature Range			Soğutma: -15~55, Isıtma: -15~27										

OCTOPUS VC-1ID**

Model	06	07	09	12	15	18	24
	1 phase, 220-240V, 50Hz						
Power Supply							
Cooling Capacity (kW/kBtu/h)	1,8/6	2,2/7	2,8/9	3,6/12	4,5/15	5,6/19	7,1/24
Heating Capacity (kW/kBtu/h)	2,2/7	2,6/8	3,2/10	4/13	5/17	6,3/21	8/27
Indoor Air Flow (m3/h)	523/404/275	523/404/275	573/456/315	573/456/315	693/600/476	792/688/549	933/749/592
Sound Pressure Level (dB(A))	37/34/30	37/34/30	39/37/34	40/38/34	41/39/35	42/40/36	44/41/37

OCTOPUS VC-4ID**

Model	09	12	15	18	24	28	32	36	40	48	56
	1 phase, 220-240V, 50Hz										
Power Supply											
Cooling Capacity (kW/kBtu/h)	2,8/9	3,6/12	4,5/15	5,6/19	7,1/24	8/27	9/30	10/34	11,2/38	14/47	16/54
Heating Capacity (kW/kBtu/h)	3,2/10	4/13	5/17	6,3/21	8/27	9/30	10/34	11,1/37	12,5/42	16/54	18/61
Indoor Air Flow (m3/h)	764/638/554	764/638/554	905/740/651	905/740/651	950/767/663	1200/1021/789	1332/1129/908	1651/1304/1127	51/1304/1	1658/1335/1130	2100/1950/1800 /1750/1600 /1450/1350
Sound Pressure Level (dB(A))	32/31/30	32/31/30	36/34/33	36/34/33	38/36/35	42/39/37	43/39/38	45/42/40	45/42/40	46/41/39	46/44/42/41 /39/38/37

OCTOPUS VC-4C ID**

Model	05	07	09	12	15
	1 phase, 220-240V, 50Hz				
Power Supply					
Cooling Capacity (kW/kBtu/h)	1,5/5	2,2/7	2,8/9	3,6/12	4,5/15
Heating Capacity (kW/kBtu/h)	1,7/5	2,4/8	3,2/10	4/13	5/17
Indoor Air Flow (m3/h)	400/283/208	414/313/238	414/313/238	521/409/314	521/409/314
Sound Pressure Level (dB(A))	35/33/23	36/33/23	36/33/23	42/36/29	42/36/29

OCTOPUS VDID**

Model	07	09	12	15	18	24	28	32	40	48	56
	1 phase, 220-240V, 50Hz										
Power Supply											
Cooling Capacity (kW/kBtu/h)	2,2/7	2,8/9	3,6/12	4,5/15	5,6/19	7,1/24	8/27	9/30	11,2/38	14/47	16/54
Heating Capacity (kW/kBtu/h)	2,6/8	3,2/10	4/13	5/17	6,3/21	8/27	9/30	10/34	12,5/42	15,5/52	17/58
Indoor Air Flow (m3/h)	550/397/309	550/397/309	605/442/351	800/573/479	800/573/479	985/738/630	1345/1165/1013	1345/1165/1013	20/1556/1	1905/1636/1400	3620/3044/2744
External static pressure (Pa)	10(0 ~ 30)							20(10 ~ 50)		40(10 ~ 80)	50(50 ~ 196)
Sound Pressure Level (dB(A))	32/24/21	31/24/21	35/28/24	36/29/26	36/29/27	36/30/27	45/40/37	45/40/37	48/42/38	48/43/39	54/52/50

OCTOPUS VDARC ID**

Model	07	09	12	15	18	24	28
	1 phase, 220-240V, 50Hz						
Power Supply							
Cooling Capacity (kW/kBtu/h)	1,5/5	2,2/7	2,8/9	3,6/12	4,5/15	5,6/19	7,1/24
Heating Capacity (kW/kBtu/h)	1,8/6	2,5/8	3,2/10	4/13	5/17	6,3/21	8/27
Indoor Air Flow (m3/h)	340/330/320/310/300/295/290	370/345/335/320/310/300/295	460/430/410/380/350/320/300	605/550/500/450/410/360/320	800/720/690/625/560/515/435	900/780/745/655/580/560/470	1145/1000/930/840/750/665/580
External static pressure (Pa)	10(10 ~ 50)						
Sound Pressure Level (dB(A))	27/25,5/24/23/22/21/20	28/27/26/25/24/23/22	30/29/28/27/26/25/24	30/29/28/27/26/25/25	34/33/32/30/29/28/26	36/34/33/32/31/30/28	37/35/34/32/31/30/29

OCTOPUS VDH ID**

Model	24	28	32	40	48	56
	1 phase, 220-240V, 50Hz					
Power Supply						
Cooling Capacity (kW/kBtu/h)	7,1/24	2,2/7	2,8/9	3,6/12	4,5/15	5,6/19
Heating Capacity (kW/kBtu/h)	8/27	2,5/8	3,2/10	4/13	5/17	6,3/21
Indoor Air Flow (m3/h)	1395/1315/1248/1204	370/345/335/320/310/300/295	460/430/410/380/350/320/300	605/550/500/450/410/360/320	800/720/690/625/560/515/435	900/780/745/655/580/560/470
External static pressure (Pa)	25(25 ~ 196)	37(37 ~ 196)	37(37 ~ 196)	50(50 ~ 196)	50(50 ~ 196)	50(50 ~ 196)
Sound Pressure Level (dB(A))	48/46/44/43	48/46/45/43	52/49/47/45	52/49/47/46	53/50/48/46	54/52/50/48

OCTOPUS VS ID**

Model	07	09	12	15	18	24	28	32
	1 phase, 220-240V, 50Hz							
Power Supply								
Cooling Capacity (kW/kBtu/h)	2,2/7	2,8/9	3,6/12	4,5/15	5,6/19	7,1/24	8/27	9/30
Heating Capacity (kW/kBtu/h)	2,4/8	3,2/10	4/13	5/17	6,3/21	8/27	9/30	10/34
Indoor Air Flow (m3/h)	446/429/424/409/394/382/373	457/445/433/421/419/410/402	447/429/399/369/339/333/303	648/618/582/563/546/505/476	798/764/723/691/665/627/595	1240/1171/1107/1045/976/914/869	1248/1194/1119/1056/993/914/863	1427/1403/1303/1232/1186/1096/1043
Sound Pressure Level (dB(A))	34/33/33/32/32/31/31	33/33/32/32/31/31/31	36/35/34/33/32/32/32	37/36/34/34/33/32/31	42/41/40/39/38/37/36	48/47/45/44/42/39/38	48/47/45/43/42/39/38	52/51/50/49/47/45/43

OCTOPUS VF ID**

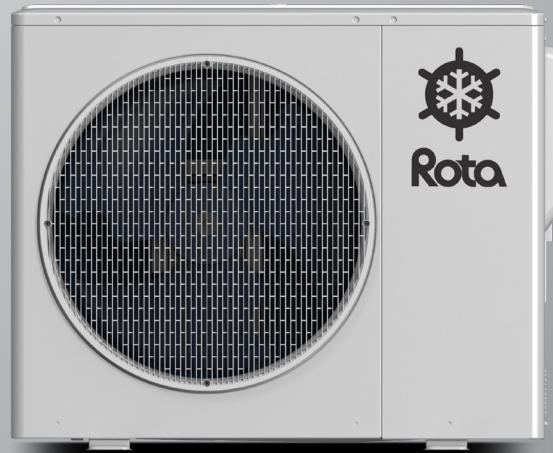
Model	12	15	18	24	28	32	40	48
	1 phase, 220-240V, 50Hz							
Power Supply								
Cooling Capacity (kW/kBtu/h)	3,6/12	4,5/15	5,6/19	7,1/24	8/27	9/30	11,2/38	14/47
Heating Capacity (kW/kBtu/h)	4/13	5/17	6,3/21	8/27	9/30	10/34	12,5/42	15/51
Indoor Air Flow (m3/h)	650/570/500	800/600/500			1200/900/700		1980/1860/1730	
Sound Pressure Level (dB(A))	40/38/36	43/41/38			45/43/40		47/45/42	

Notes: 1. The full model name can be obtained by substituting the asterisk in the model name format given above the table with the model index given in the table.



MODEL			ROTA HP-MB 8	ROTA HP-MB 10	ROTA HP-MB 12	ROTA HP-MB 16
Power supply(V/Ph/Hz)			220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Heating A7W35	Capacity	W	8400	10000	12200	16000
	Rated input	W	1663	2128	2490	3556
	COP		5.05	4.70	4.90	4.50
Heating A7W45	Capacity	W	8500	10200	12500	16200
	Rated input	W	2237	2795	3378	4696
	COP		3.80	3.65	3.70	3.45
Heating A7W55	Capacity	W	8200	9400	12000	16000
	Rated input	W	2603	3032	4000	5614
	COP		3.15	3.10	3.00	2.85
Heating A2W35	Capacity	W	7100	8200	12300	14500
	Rated input	W	1797	2158	3417	4462
	COP		3.95	3.80	3.60	3.25
Heating A2W45	Capacity	W	7500	8500	12000	14300
	Rated input	W	2459	2881	4138	5296
	COP		3.05	2.95	2.90	2.70
Heating A2W55	Capacity	W	7600	8400	12000	13500
	Rated input	W	2815	3170	5106	5870
	COP		2.70	2.65	2.35	2.30
Heating A-7W35	Capacity	W	7100	8000	11600	13500
	Rated input	W	2254	2667	4070	5000
	COP		3.15	3.00	2.85	2.70
Heating A-7W45	Capacity	W	6800	7400	11500	13500
	Rated input	W	2720	3083	4792	6000
	COP		2.50	2.40	2.40	2.25
Heating A-7W55	Capacity	W	6600	7200	10800	12800
	Rated input	W	3143	3512	5143	6244
	COP		2.10	2.05	2.10	2.05
Cooling A35W18	Capacity	W	8300	10000	12200	15400
	Rated input	W	1711	2326	2652	3667
	EER		4.85	4.30	4.60	4.20
Cooling A35W7	Capacity	W	7400	9000	11600	14000
	Rated input	W	2349	3103	3742	4828
	EER		3.15	2.90	3.10	2.90
Seasonal space heating energy efficiency class	Water outlet at	35°C	A+++	A+++	A+++	A+++
	Water outlet at	55°C	A++	A++	A++	A++
	Warmer climate	35°C	6.94	7.05	6.63	6.46
		55°C	4.74	4.91	4.55	4.72
	Average climate	35°C	5.18	5.12	5.08	4.84
		55°C	3.67	3.71	3.62	3.59
SCOP	Colder climate	35°C	4.44	4.44	4.30	4.35
		55°C	3.02	3.14	3.23	3.18
	Water outlet at 7°C		5.19	5.08	5.07	5.11
SEER	Water outlet at 18°C		8.09	8.31	7.79	7.49
Sound power level2	Heating A7W35	dB	63	65	70	72
	Heating max	dB	66	68	74	74
	Heating slince mode 1	dB	61	63	66	67
	Heating slince mode 2	dB	58	60	64	64
	Cooling A35W18	dB	63	65	69	71
	Cooling max	dB	66	68	74	74
	Cooling slince mode1	dB	61	63	66	67
	Cooling slince mode2	dB	58	60	63	64
Compressor	Type		DC twin rotary	DC twin rotary	DC twin rotary	DC twin rotary
	Type		DC motor	DC motor	DC motor	DC motor
	Number		1	1	1	1
Fan	Air flow	m3/h	4500	4500	5200	5200
Air side heat exchanger	Type		Fin coil	Fin coil	Fin coil	Fin coil
Throttle	Type		Electronic expansion valve			
Refrigerant	Type		R32	R32	R32	R32
	Charged volume	kg	1.25	1.25	1.80	1.80
Water side heat exchanger	Type		Plakalı	Plakalı	Plakalı	Plakalı
Rated water flow	m3/h		1.44	1.72	2.10	2.75
Water flow range	m3/h		0.40~1.65	0.40~2.10	0.70~2.50	0.70~3.00
Water pump	Type		DC	DC	DC	DC
	Maximum pump head	m	9	9	9	9
Expansion vessel	Volume	L	5	5	5	5
	Maximum working pressure	bar	8	8	8	8
Safety valve	MPa		0.3	0.3	0.3	0.3
Flow switch	m3/h		0.36	0.36	0.6	0.6
Water side connection			G1"BSP	G1"BSP	G5/4"BSP	G5/4"BSP
Unit dimension (W×H×D)	mm		865×1040×410	865×1040×410	865×1040×410	865×1040×410
Packing dimension (W×H×D)	mm		970×1190×560	970×1190×560	970×1190×560	970×1190×560
Net weight	kg		87	87	106	106
Gross weight	kg		103	103	122	122
Ambient temperature range	Cooling	°C	-5~43	-5~43	-5~43	-5~43
	Heating	°C	-25~35	-25~35	-25~35	-25~35
	DHW	°C	-25~43	-25~43	-25~43	-25~43
	Cooling	°C	5~25	5~25	5~25	5~25
Water setting temperature range	Heating	°C	25~65	25~65	25~65	25~65
	DHW	°C	20~60	20~60	20~60	20~60

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