

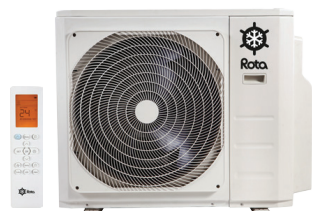
GREAT TECHNOLOGY

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

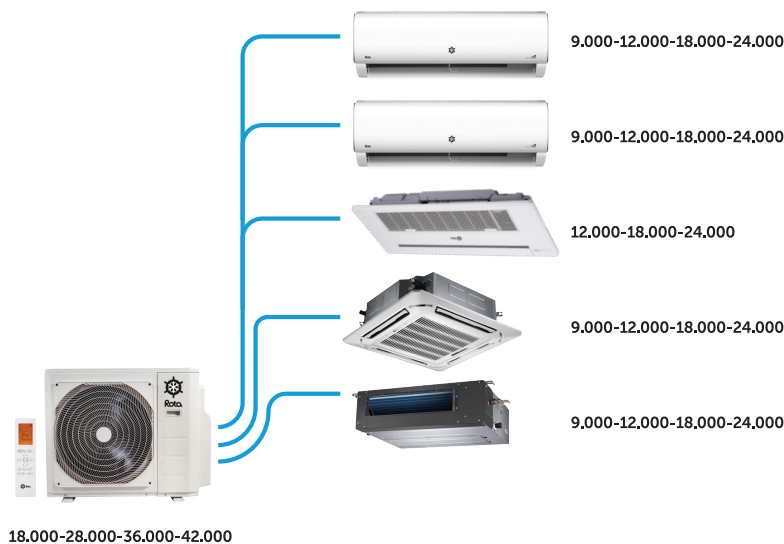
28 BTU 3+1 DIŞ ÜNİTE	2 İÇ ÜNİTE	9+9	9+12	9+18	12+12	12+18
	3 İÇ ÜNİTE	9+9+9	9+9+12	9+12+12	12+12+12	

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	



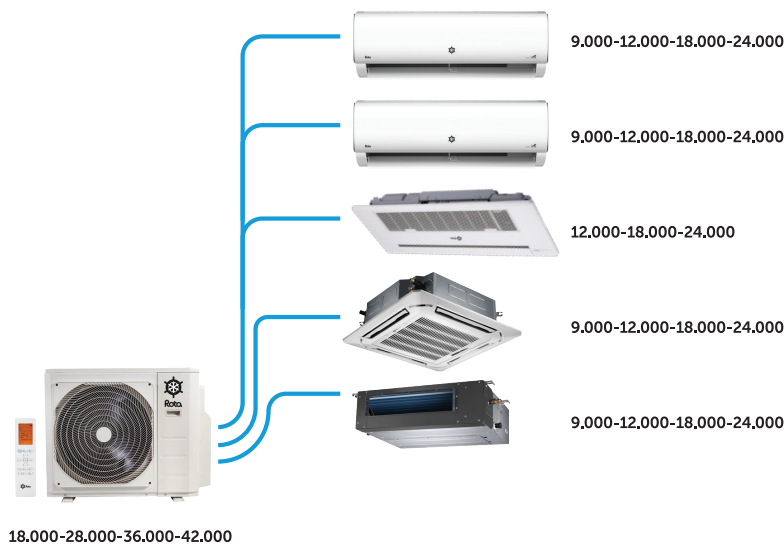
Multi Wall Mounted Type Indoor Units			MS 09-ID	MS 12-ID	MS 18-ID	MS 24-ID
Power supply		V~Ph-Hz	220V-240V, 1Ph, 50Hz			
Cooling	Capacity	kW / Btu/h	2,64 / 9000	3,52 / 12000	5,28 / 18000	7,00 / 24000
	Power input	W	20	20	34	62
	Current	A	0,09	0,09	0,15	0,28
Heating	Capacity	kW / Btu/h	2,93 / 10000	3,81 / 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.

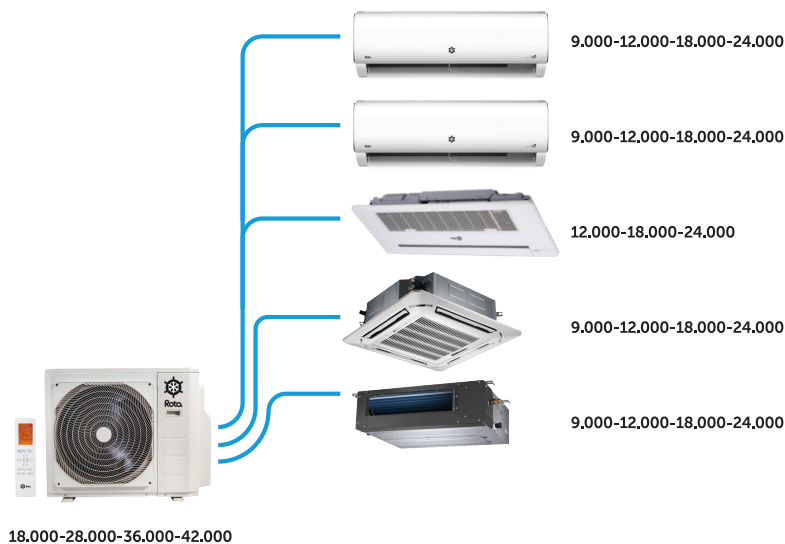


Multi Outdoor Units			M2-18 OD	M3-28 OD	M4-36 OD	M5-42 OD
Power supply		V-Ph-Hz	220V-240V, 1Ph, 50Hz			
Cooling	Capacity	kW / Btu/h	18000(7800~19500)	27000(10850~28000)	36000(12430~37000)	42000(10300~42000)
	Power input	W	1635(690~2000)	2450(290~3100)	3300(330~4250)	3810(280~4650)
	Current	A	7,3(3,2~9,0)	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



OCTOPUS
MULTI SERI

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