

Multi-split

Multi-split standard outdoor units



Indoor units



Multi-split Dodai 2 outdoor units



Indoor units



Selection guide

Multi-split standard RAM-NPE outdoor units

	Rated power Cooling (kW)	3.3	4.0	5.3	6.8 / 7.0	8.5	10.0	
	Power at full charge at -7°C Heating (kW)	Up to 3.5	Up to 4.0	Up to 5.5	Up to 6.5	Up to 7.8	Up to 8.0	HYBERNATE Put electronic parts into Hibernation mode
	(3.3 and 4.0 kW) (5.3 kW) 2 outputs	SEER A+++ 8.50 SCOP A++ 4.60	SEER A+++ 8.50 SCOP A++ 4.60	SEER A+++ 8.50 SCOP A++ 4.60				POWER HIGH at -7°C
	(5.3 and 6.8 kW) 3 outputs			SEER A+++ 8.50 SCOP A++ 4.60	SEER A++ 8.10 SCOP A++ 4.60			VECTOR CONTROL Very low-frequency compressor control Reduced noise level Energy-saving
	(7.0 kW) 4 outputs				SEER A++ 8.10 SCOP A++ 4.60			
	(8.5 and 10.0 kW) 5 outputs					SEER A++ 7.90 SCOP A++ 4.30	SEER A++ 6.52 SCOP A++ 4.22	

Compatible indoor units

Mono/Multi-Split indoor units

Takai wall unit RAK-18QXE RAK-25~50-RXE	Mokai wall unit RAK-15QPE RAK-18~50RPE	Wall units for small public buildings RAK-60RPE	600 x 600 R32 cassette RAI-25~ 60RPE	Shirokuma console RAF-25~50RXE	R32 duct RAD-18QPE RAD-25~60RPE

Multi-split Dodai 2 RAM-NEF outdoor units

	Rated power Cooling (kW)	4.0	5.3
	Power at full charge at -7°C Heating (kW)	Up to 3.5	Up to 4.3
	(4 and 5.3 kW) 2 outputs	SEER A++ 8.25 SCOP A+ 4.30	SEER A++ 8.10 SCOP A+ 4.10
	(5.3kW) 3 outputs		SEER A++ 8.10 SCOP A+ 4.10

Compatible indoor units

Mono/Multi-Split indoor units

Dodai 2 wall unit RAK-15QEF RAK-18~50REF

Benefits Multi-split

1 Discreet design that blends in



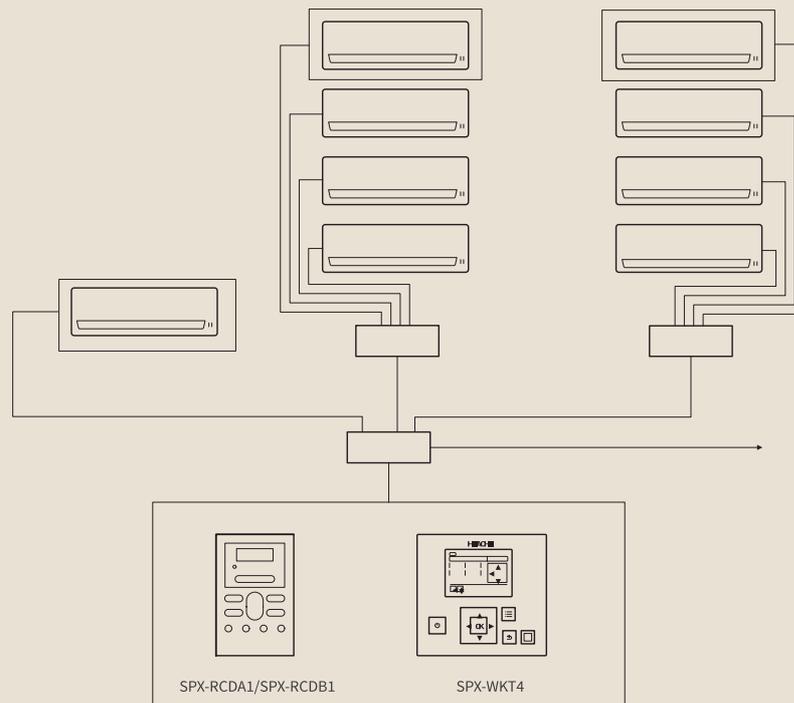
With their harmonized designs, the Shirokuma console and the Takai will fit perfectly into any indoor space.

2 Easy to install and maintain



- With duct-type units, you can adapt the static pressure to the needs of each installation.
- Bi-split outdoor units come preloaded with R32 coolant. There is no need to add more coolant. This saves on installation time and costs.
- Alarm code is displayed on the control for faster diagnostics.

3 Solutions to control the system in a centralized way



Central control for up to 13 indoor units with the wired remote control SPX-WTK4 and boxes SPX-DST1 + SPX-WDST8M

Multi-split



Standard R32 outdoor units



	Part no.	RAM-33NP2E	RAM-40NP2E	RAM-53NP2E	RAM-53NP3E	RAM-68NP3E	RAM-70NP4E	RAM-90NP5E	RAM-110NP5E
Number of connectible units (min-max)	-	2		2 / 3		2 / 4		2 / 5	
Rated power, cooling (min-max)	kW	3.3 (1.50 - 3.80)	4.00 (1.50 - 4.20)	5.30 (1.50 - 6.60)		6.80 (2.40 - 8.00)	7.00 (2.40 - 8.80)	8.50 (1.52 - 9.50)	10.00 (1.50 - 12.50)
Rated power, heating (min-max)	kW	4.00 (1.50 - 4.60)	5.20 (1.50 - 5.50)	6.80 (1.50 - 7.20)		8.50 (2.40 - 9.50)	8.50 (2.60 - 9.50)	10.00 (1.50 - 11.50)	12.00 (1.50 - 12.70)
Power at full load at -7°C ⁽¹⁾	kW	3.50	4.00	4.50	5.50	6.50		7.80	8.00
Rated power input Cooling (min-max)	kW	0.73 (0.20 - 1.05)	0.95 (0.20 - 1.15)	1.26 (0.20 - 1.66)	1.29 (0.20 - 1.68)	1.83 (0.46 - 2.96)	1.89 (0.46 - 3.20)	2.50 (0.50 - 3.85)	3.096 (0.50 - 4.50)
Rated power input Heating (min-max)	kW	0.90 (0.20 - 1.50)	1.18 (0.20 - 1.50)	1.61 (0.20 - 2.01)	1.61 (0.20 - 2.01)	2.12 (0.43 - 2.60)	2.02 (0.48 - 3.12)	2.56 (0.50 - 3.85)	3.158 (0.50 - 5.00)
EER/COP	-	4.50 / 4.40	4.20 / 4.40	4.20 / 4.20	4.10 / 4.20	3.70 / 4.00	3.70 / 4.20	3.40 / 3.90	3.23 / 3.8
SEER/SCOP (average climate)	-	8.50 / 4.60				8.10 / 4.60		7.90 / 4.30	6.52 / 4.22
Seasonal energy class (Cooling/Heating)	-	A+++ / A++				A++ / A++		A++ / A+	
Sound pressure in Cooling mode	dB(A)	48	49	50		53		54	54
Sound pressure	dB(A)	60		61		63		66	68
Airflow (Cooling/Heating)	m ³ /h	1620 / 1620		2160 / 2160		2700 / 2700		3900 / 3900	4000 / 4000
Dimensions (HxWxD)	mm	570 x 750 x 280		750 x 850 x 298		800 x 850 x 298		800 x 950 x 370	
Net weight	kg	38	41	53	54	58	71	76	76
Power supply	-	220-230V							
Max. current	A	6		8		10		12	20
Cable width (EN 60 335-1)	mm ²	2 x 2.5 + T							
Indoor/outdoor connection	mm ²	3 x 1.5 + T							
Diameter of pipes (Liq/Gas)	inches	(1/4 x 2 / 3/8 x 2)			(1/4 x 3 / 3/8 x 3)		(1/4 x 4 / 3/8 x 3 + 1/2 x 1)		1/4 x 5 / (3/8 x 3) + (1/2 x 2)
Initial coolant load	kg	1.02		1.80		2.05		2.40	
Prefilled for	m	35			30			35	30
Min. length	m	3							
Max. length / Coolant addition	m/g/m	35 / -			60 / 20			75 / 15	75 / 13
Max. level difference	m	15			20				
Operating range Cooling	°C	-10°C / +46°C							
Operating range Heating	°C	-15°C / +24°C							
Coolant	-	R32							
Compressor	-	ROTARY				TWIN ROTARY			

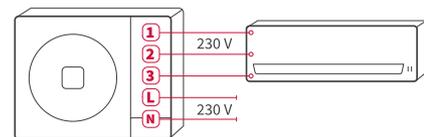
Retail price per unit excluding taxes	(+eco part)	RAM-33NP2E	RAM-40NP2E	RAM-53NP2E	RAM-53NP3E	RAM-68NP3E	RAM-70NP4E	RAM-90NP5E	RAM-110NP5E
External unit	+ €6.67	€1,671	€1,910	€2,154	€2,652	€3,090	€3,554	€4,295	€4,872

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

Caution

The power recovered from each indoor unit depends on the outdoor unit, the selected combination, the piping length, and the outside temperature. The length of piping used to determine the above values is 10 m. Total power must not exceed the power of the group: refer to the combinations table. To make a well-informed selection, refer to our technical documentation or use the software at Multicombi.fr.

Indoor units are powered at 220-230 V from the outdoor unit.



Controls and compatible accessories (see page 197)



Wired programmable remote control

SPX-WKT4

Price plus taxes: €195



Infrared remote control

SPX-RCKA1 for duct
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette

Price plus taxes: €155



Wired standard remote control

SPX-RCDA1

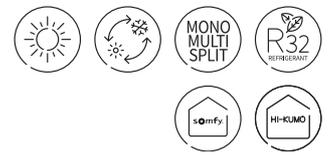
Price plus taxes: €150



Wired standard remote control

SPX-RCDB1

Price plus taxes: €150



Multi-split

Indoor units

Takai wall unit



Takai range of wall units

Suits any type of installation with models designed for smaller areas. The size 18 model is switchable to reduce power (1.8 kW > 1.2 kW in cold mode and 2.5 kW > 1.8 kW in heating mode).

Motion sensor

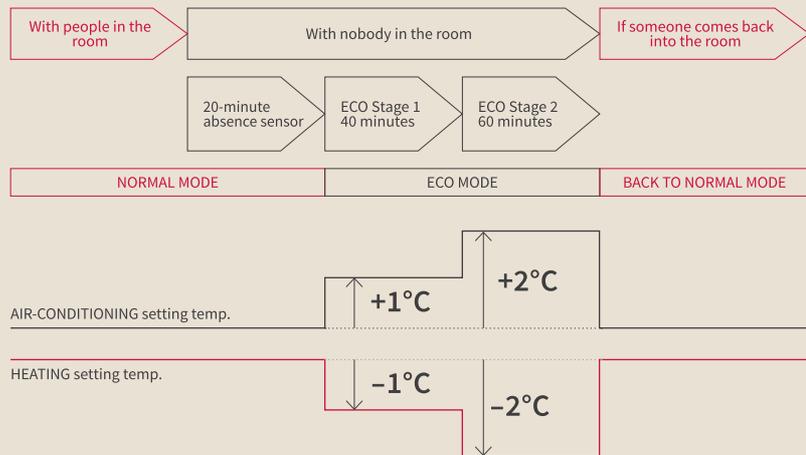
It adapts how the indoor unit works depending on whether there are people in the room or not. See Eco Sensor image opposite.

Ultra performance filtration

STAINLESS prefilters and Active Carbon filters as standard. The Active Carbon filter with silver ions (known for their antibacterial properties) acts by adsorption. This retains certain gas molecules or suspended particles on the surface of the filter. The air that comes out of the filter is then free of odors and pollutants.

Silent units

20 dB(A) on the size 25 model.

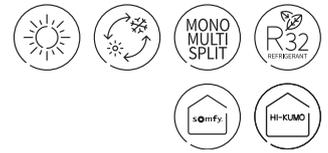


	Unit	RAK-18QXE	RAK-25RXE	RAK-35RXE	RAK-50RXE
Rated power Cooling (min - max)	kW	1.80 (1.00 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Rated power Heating (min - max)	kW	2.50 (1.10 - 3.20)	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.20 - 7.00)
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽¹⁾	dB(A)	20 / 25 / 30 / 36	20 / 27 / 35 / 43	22 / 29 / 37 / 45	25 / 31 / 39 / 47
Sound pressure	dB(A)	49	58	60	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	300 / 330 / 430 / 500	300 / 330 / 510 / 600	320 / 340 / 520 / 660	350 / 400 / 580 / 720
Dehumidification	l/h	1.2	1.4	1.6	2.0
Dimensions (H x L x D)	mm	295 x 900 x 210			
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8			1/4 - 1/2
Net weight	kg	11.0			
Power supply	V	220 - 230V			
Cable width (EN 60 335 - 1)	mm ²	3 x 1.50 + T			3 x 2.50 + T
Remote control	-	Weekly infrared RAR-6NE1 (included)			

Retail price per unit excluding taxes	(+eco part)	RAK-18QXE	RAK-25RXE	RAK-35RXE	RAK-50RXE
Indoor unit (Infrared remote control included)	€+1.67	€582	€739	€842	€1,253

⁽¹⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

Multi-split



Indoor units

Mokai wall units and for small public buildings



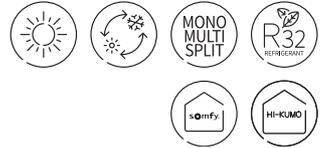
The Mokai range of wall units

Suits any type of installation with models designed for smaller areas. The size 15 model is switchable to reduce power (1.5 kW > 1 kW* in cold mode and 2 kW > 1.5 kW in heating mode). With its Active Carbon filter, the air is free of odors and pollutants.

	Unit	RAK-15QPE	RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE	RAK-60RPE	
Rated power Cooling (min - max)	kW	1.50 (0.90 - 2.00)	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	4.20 (1.70 - 5.00)	5.00 (1.90 - 5.20)	6.00 (1.20 - 6.50)	
Rated power Heating (min - max)	kW	2.00 (1.00 - 2.50)	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	5.40 (1.70 - 6.00)	6.00 (2.20 - 7.30)	7.00 (1.20 - 8.00)	
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽¹⁾	dB(A)	20 / 24 / 30 / 34	21 / 24 / 33 / 37	22 / 24 / 33 / 40	25 / 26 / 36 / 43	25 / 28 / 39 / 46	25 / 28 / 39 / 46	30 / 33 / 42 / 48	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	312 / 350 / 400 / 420	312 / 350 / 400 / 440	333 / 370 / 430 / 510	353 / 420 / 485 / 680	353 / 410 / 540 / 720	353 / 410 / 540 / 750	310 / 410 / 570 / 720	
Dehumidification	l/h	1.20	1.20	1.40	1.60	1.80	2.00	2.8	
Dimensions (H x L x D)	mm	280 x 780 x 230							
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8					1/4 - 1/2		
Net weight	kg	8.5							
Power supply	V	220 - 230V							
Cable width (EN 60 335 - 1)	mm ²	3 x 1.50 + T				3 x 2.50 + T			3 x 1.50 + T
Remote control	-	Weekly infrared RAR-6NE1 (included)							Not supplied (SPX-RCKA2 / SPX-RCDB1 / SPX-WKT4)
Retail price per unit excluding taxes	(+eco part)	RAK-15QPE	RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE	RAK-60RPE	
Indoor unit (Infrared remote control included with the exception of RAK-60RPE)	€+1.67	€493	€493	€525	€599	€850	€986	€1,100	
Infrared remote control SPX-RCKA2	€+0.12								€155

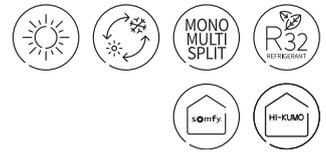
⁽¹⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

Cassette unit 600 × 600



Indoor units	Unit	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Rated power Cooling (min - max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
Rated power Heating (min - max)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽¹⁾	-	27 / 31 / 35 / 38	27 / 33 / 37 / 40	29 / 35 / 39 / 43	
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽¹⁾	-	28 / 32 / 36 / 39	28 / 34 / 38 / 41	30 / 36 / 40 / 44	
Sound pressure	dB(A)	54	56	56	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	360 / 505 / 590 / 660		390 / 540 / 630 / 720	
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (H x L x D)	mm	285 x 570 x 570			
Front panel dimensions (H x W x D)	mm	30 x 620 x 620			
Condensate outlet diameter (ext.)	mm	32			
Condensing pump	-	yes			
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8		1/4 - 1/2	1/4 - 1/2
Net weight of box	kg	17			
Net weight of front panel	kg	2.8			
Part number of front panel	-	P-AP56NAMS			
Power supply	V	220 - 230V			
Cable width (EN 60 335-1)	mm ²	3 x 1.50 + T			
Remote control	-	Not supplied (SPX-RCKA3 / SPX-RCDB1 / SPX-WKT4)			
Retail price per unit excluding taxes	(+eco part)				
Indoor unit (Remote control NOT included)	-	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
		€1,108	€1,211	€1,450	€1,650
Cassette unit front panel	-	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS	P-AP56NAMS
		€350			
Infrared remote control SPX-RCKA3	€+0.12	€155			
Price for whole set Indoor unit + front panel + infrared remote control SPX-RCKA3	-	€1,613	€1,716	€1,955	€2,155

⁽¹⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).



Extended airflow

With a larger **dynamic airflow**, the air can reach every corner of the room. The room is treated (with heating or cooling air) at the touch of a button on the remote control. (Fig. 1)

Flexibility with the multi-split range

The indoor unit of the Shirokuma console is compatible with all multi-split outdoor groups. You can also have multiple

indoor units installed in different rooms with a single outdoor unit.

Exceptionally high-performance

The console has an energy rating of A+++.
Guaranteed energy savings!

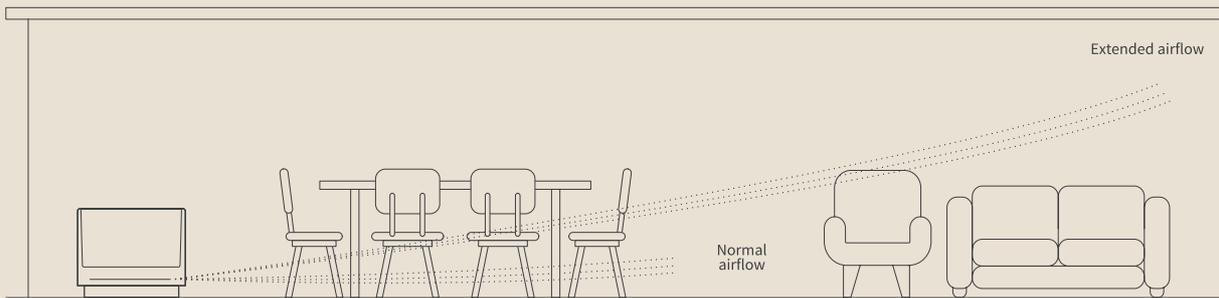
Management options

The console comes with an infrared remote control as standard. It is also compatible with the SPX-WKT4 wired remote control with hourly programming.

Compatible with Hi Kumo

The entire Hitachi residential range is compatible with the Hi Kumo system, which allows you to control equipment from **any mobile device** acting as a remote control.

Fig. 1



Indoor units	Unit	RAF-25RXE	RAF-35RXE	RAF-50RXE
Rated power, cooling (min-max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
Rated power, heating (min-max)	kW	3.40 (0.90 - 4.40)	4.50 (0.90 - 5.00)	6.00 (0.90 - 8.10)
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽¹⁾	dB(A)	20 / 26 / 31 / 38	20 / 26 / 31 / 39	22 / 29 / 36 / 43
Sound pressure	dB(A)	52		56
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	270 / 390 / 510 / 630	270 / 390 / 510 / 660	300 / 450 / 540 / 720
Dehumidification	l/h	1.4	1.9	2.8
Dimensions (H x L x D)	mm	590 x 750 x 215		
Condensate outlet diameter (ext.)	mm	16		
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8		1/4 - 1/2
Net weight	kg	15		
Power supply	-	220 - 230 V		
Cable width (EN 60 335-1)	mm ²	3 x 1.50 + T		3 x 2.50 + T
Remote control	-	Weekly infrared RAR-6NE1 (included)		
Retail price per unit excluding taxes	(+eco part)	RAF-25RXE	RAF-35RXE	RAF-50RXE
Indoor unit (Infrared remote control included)	€+1.67	€1,489	€1,650	€1,800

⁽¹⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

Controls and compatible accessories (see page 197)

Leakage sensor
SPX-RAFGLS
Price plus taxes: €159



Wired programmable remote control
SPX-WKT4
Price plus taxes: €195



Infrared remote control
SPX-RCKA1 for duct
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette
Price plus taxes: €155

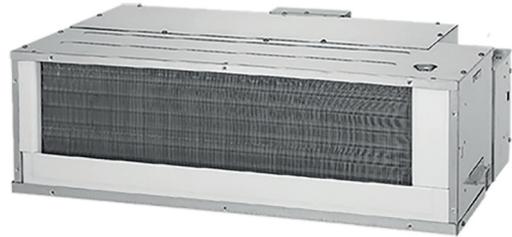
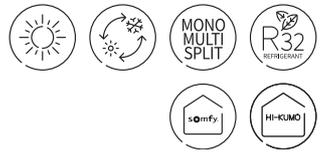


Wired standard remote control
SPX-RCDB1
Price plus taxes: €150

Multi-split

Indoor units

R32 duct



Indoor unit ducts

These now have a static pressure setting available:
40 to 150 Pa.

Plenums (optional)

Plenum fan blower 2 x D200.
- Intake plenum 2 x D200
(with or without filter door).

Remote sensor (optional)

For maximum comfort in the home
- Part number: SPX-RTH1
- Price (excluding taxes): €77.00
- Eco-participation (excluding taxes): €0.02

Indoor units	Unit	RAD-18QPE	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE
Rated power Cooling (min - max)	kW	1.80 (0.90 - 2.50)	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
Rated power Heating (min - max)	kW	2.50 (0.90 - 3.20)	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽¹⁾	dB(A)	30 / 33 / 37 / 41			29 / 32 / 35 / 39	
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽¹⁾	dB(A)	30 / 34 / 38 / 42			29 / 32 / 35 / 40	
Sound pressure	dB(A)	57			53	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	330 / 390 / 450 / 510			350 / 540 / 800 / 1140	
Static pressure (pv / mv / gv)	Pa	- / - / 70			50 / 100 / 150	
Dehumidification	l/h	1.4		1.6	2.8	2.8
Dimensions (H x L x D)	mm	235 x 750 x 400			270 x 900 x 720	
Condensate outlet diameter (ext)	mm				16	
Condensing pump	-				YES	
Diameter of pipes (Liq / Gas)	inches				1/4 - 3/8	
Net weight	kg	16			35	
Power supply	V				220 - 230V	
Cable width (EN 60 335-1)	mm ²	3 x 1.5 + T			3 x 2.5 + T	
Remote control		Not supplied (SPX-RCKA1 / SPX-RCDB1 / SPX-WKT4)				
Retail price per unit excluding taxes	(+eco part)	RAD-18QPE	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE
Indoor unit (Remote control NOT included)	€+1.67	€857	€931	€1,122	€1,350	€1,400
Wired remote control SPX-WKT4	€+0.12			€195		
Price for whole set Indoor unit + wired remote control SPX-WKT4	€+1.79	€1,052	€1,126	€1,317	€1,545	€1,595

⁽¹⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

Part number	Description	Length	Height	Depth	Compatibility	Number of ductwork connections	Price excluding taxes
PIM1SOURADNH	STANDALONE FAN BLOWER PLENUM M1 2XD200	720	200	300 + 50	RAD-18QPE* / RAD 25-35RPE	2 x 200	€200
PIM1REPRADNH	STANDALONE INTAKE PLENUM M1 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200	€139
PIM1REPRADNHF	STANDALONE INTAKE PLENUM M1 filter door 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200	€164
PIM1SOURADDH	STANDALONE FAN BLOWER PLENUM M1 3XD200	810	225	250 + 50	RAD-50-60RPE / RAD-70PPD	3 x 200	€200
PIM1REPRADDH	STANDALONE INTAKE PLENUM M1 2XD200	820	225	200 + 50	RAD-50-60RPE / RAD-70PPD	2 x 200	€139

* Only available as a multi option

Airzone: enjoy a whole range of benefits with the zoning solution

With a single duct unity you can control up to 6 rooms separately thanks to motorized plenums that fit directly onto Hitachi units.

Motorized fan blower plenums

	Part numbers for duct units	Power	Plenum model	Motorized fan blower plenums						Intake plenum
				2 outputs	3 outputs	4 outputs	5 outputs	6 outputs		
Residential use	RAD-RPE	5.0 kW	Standard	AZEZ6HITST032 930 x 300 x 454	AZEZ6HITST033 930 x 300 x 454	AZEZ6HITST03M4 1140 x 300 x 454	AZEZ6HITST03M5 1425 x 300 x 454	AZEZ6HITST03M6 1638 x 300 x 454	AZCEZHIPR03M 818 x 223.8 (2xD250)	
		6.0 kW	Medium	AZEZ6HITDB032 930 x 250 x 454	AZEZ6HITDB033 930 x 250 x 454	AZEZ6HITBS03M4 1140 x 250 x 454	AZEZ6HITBS03M5 1425 x 250 x 454	AZEZ6HITBS03M6 1638 x 250 x 454		
	7.0 kW	Standard		AZEZ6HITST04S2 930 x 300 x 454	AZEZ6HITST04S3 930 x 300 x 454	AZEZ6HITST04S4 1140 x 300 x 454	-	-		
	RAD-RPE	2.5 kW	Medium	AZEZ6HITBS04S2 930 x 250 x 454	AZEZ6HITBS04S3 930 x 250 x 454	AZEZ6HITBS04S4 1140 x 250 x 454	-	-		AZCEZHIPR04S 647.2 x 208.1 (1x D250)
3.5 kW										

Two versions of plenums are available: standard version (300 mm) and medium version with fresh air function (250 mm). The dimensions of the plenums are shown under the Part number

Connected and intuitive interfaces



Airzone Blueface thermostat

Wired connection / Touchscreen 3.5": Configurable as a general thermostat or by zone. A number of features and settings, ideal for ultimate control of your entire system, for more efficient and responsible heating. End-to-end, intuitive interface. Eco-adapt and standby function for tangible energy saving. Control the temperature, mode, and fan speed. Weekly programming. Access to weather forecasts (with Airzone Cloud webservice login) to anticipate changes in temperature.



Airzone Think thermostat

Wired or wireless connection / 2.7" screen: Configurable as a general thermostat or by zone. Low-energy device that makes it easy to reduce energy costs. Stylish and intuitive interface. Control the temperature, mode, and fan speed. Access to weather forecasts (with Airzone Cloud webservice login) to anticipate changes in temperature.



Airzone Lite thermostat

Wired or wireless connection: In systems with the Blueface thermostat, this solution is perfect for quick access to essential functions. Its modern and fun interface makes it easier to use, with color codes indicating the mode and temperature of the area. Start/ Stop function. Control the setting temperature in increments of 1°C with a scope of ±3°C.



Webserver Airzone Cloud

The Airzone Cloud app, compatible on your smartphone, tablet, and PC, offers complete remote control of the installation; anywhere, anytime. You can control multiple servers at once and up to 32 systems on a single webserver. All the features of your thermostats are combined on the cloud: Control the temperature, weekly programming, weather forecasts, login authorization...

Interface	Airzone Blueface	Airzone Think	Airzone Lite	Webserver Airzone Cloud
Part number	AZCE6BLUEFACEB	AZCE6THINKCB	AZCE6LITECB	AZX6WSCLLOUDDINC
Wireless connection	-	AZCE6THINKRB	AZCE6LITERB	AZX6WSCLLOUDDINR
10m cable	AZX6CABLEBUS10	AZX6CABLEBUS10	AZX6CABLEBUS10	AZX6CABLEBUS10

Controls and compatible accessories (see page 197)

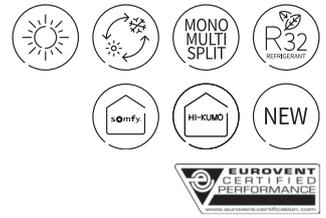
Wired programmable remote control
SPX-WKT4
Price plus taxes: €195

Infrared remote control
SPX-RCKA1 for duct
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette
Price plus taxes: €155

Wired standard remote control
SPX-RCDA1
Price plus taxes: €150

Multi-split

Dodai 2 outdoor units



Outdoor units	Unit	RAM-40NE2F	RAM-53NE2F	RAM-53NE3F
Number of connectible units (min-max)	-	2 / 2		2 / 3
Rated power, cooling (min-max)	kW	4.0 (1.5-4.4)	5.3 (1.5-6.0)	
Rated power, heating (min-max)	kW	5.1 (1.5-5.5)	6.3 (1.5-6.6)	
Power at full load at -7°C ⁽¹⁾	kW	3.5		4.3
Rated power input Cooling (min-max)	kW	1.026 (0.25-1.27)	1.293 (0.35-1.71)	1.293 (0.35-2.16)
Rated power input Heating (min-max)	kW	1.243 (0.25-1.70)	1.615 (0.35-2.25)	
EER/COP	-	3.90 / 4.10	4.10 / 3.90	
SEER/SCOP (average climate)	-	8.25 / 4.30	8.10 / 4.10	
Seasonal energy class (Cooling/Heating)	-	A++/A+		
Sound pressure in Cooling mode	dB(A)	49	50	
Sound pressure	dB(A)	60	61	
Airflow (Cooling/Heating)	m ³ /h	1620 / 1620	2160 / 2160	
Dimensions (HxWxD)	mm	570 x 750 x 280	750 x 850 x 298	
Net weight	kg	41	51	52
Power supply	-	220 - 230V		
Max. current	A	6	8	
Cable width (EN 60 335-1)	mm ²	2 x 2.5 +T		
Indoor/outdoor connection	mm ²	3 x 1.5 +T		
Diameter of pipes (Liq/Gas)	inches	(1/4" x 2 / 3/8" x 2)		
Initial coolant fill	kg	0.93	1.59	
Prefilled for	m	35		
Min. length	m	3		
Max. length / Coolant addition	m/g/m	35/-	45/20	
Max. level difference	m	10	20	
Guaranteed performance Cooling for outside Temp°	-	-10°C / 46°C		
Guaranteed performance Heating for outside Temp°	-	-15°C / 24°C		
Coolant	-	R32		
Compressor	-	Rotary		

Retail price per unit excluding taxes (+eco part)	RAM-40NE2F	RAM-53NE2F	RAM-53NE3F	
External unit	€+6.67	€1,751	€2,050	€2,369

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

Multi-split

Indoor units

Dodai 2 wall unit



Compatible with the Hi Kumo remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

Maximum use of space

Thanks to its small size, you can install it discreetly. With a width of 780 mm, it will fit anywhere, including above a doorway. (Fig. 1)

Silent operation

With a low noise level of just 19dB*, you can enjoy a comfortable environment without noticing that the indoor unit is even running.

Fig. 1



Indoor units	Unit	RAK-15QEF*	RAK-18REF	RAK-25REF	RAK-35REF	RAK-50REF
Rated power, cooling (min-max)	kW	1.50 (0.9 - 2.00)	1.80 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Rated power, heating (min-max)	kW	2.00 (1.00 - 2.50)	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	6.00 (2.2 - 7.30)
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽¹⁾	dB(A)	21 / 24 / 33 / 37		22 / 24 / 33 / 40	25 / 26 / 36 / 43	28 / 30 / 40 / 46
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽¹⁾	dB(A)	19 / 22 / 33 / 38		20 / 23 / 34 / 41	26 / 27 / 36 / 44	25 / 30 / 39 / 47
Sound pressure	dB(A)	52		54	57	60
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	312 / 350 / 400 / 440		333 / 370 / 430 / 510	333 / 400 / 485 / 600	333 / 450 / 600 / 700
Dehumidification	l/h	1.2		1.4	1.6	2.0
Dimensions (H x L x D)	mm	280 x 780 x 215				
Diameter of pipes (Liq / Gas)	inches	1/4 - 3/8				1/4 - 1/2
Net weight	kg	7.5				8
Power supply	V	220 - 230V				
Cable width (EN 60 335-1)	mm ²	3 x 1.5 + T				3 x 2.5 + T
Remote control	-	Infrared RAR-7PE1 (included)				

⁽¹⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog). * Only available as a multi option

Retail price per unit excluding taxes	(+eco part)	RAK-15QEF	RAK-18REF	RAK-25REF	RAK-35REF	RAK-50REF
Indoor unit (Infrared remote control included)	€+6.67	€340	€380	€415	€500	€650

Controls and compatible accessories (see page 197)



Infrared remote control

Included
RAR-7PE1



Wired standard remote control

SPX-RCDB1
Price plus taxes: €150

Other*:

- Control box for multi-indoor units
SPX-DST1 (€63) + SPX-WDST8M (€70)
- airCloud Home for interface SPX-WFG02: €143
- Hi-Box AHP-SMB-01: €215
- Hi Kumo interface for Hi-Box SPX-TAG01: €150
- Single dry contact kit SPX-WDC3: €26
- Single fault report kit SPX-WDC7 (€26) + HA-S100TSA (€77)



Wired programmable remote control

SPX-WKT4
Price plus taxes: €195



H-Link box

PSC-6RAD
Price plus taxes: €199

* All prices are shown without taxes



Indoor unit combinations

Standard multi-split

RAM - 33NP2E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
1 unit*	15	1.50	1.50 (1.00 - 2.20)	380 (250 - 480)	3.95	2.00	2.00 (1.10 - 3.20)	530 (250 - 970)	3.77
	18	1.80	1.80 (1.00 - 2.50)	455 (250 - 750)	3.96	2.50	2.50 (1.10 - 3.20)	690 (250 - 970)	3.62
	25	2.50	2.50 (1.00 - 3.10)	650 (250 - 880)	3.85	3.50	3.50 (1.10 - 4.40)	990 (250 - 1120)	3.54
	35	3.50	3.50 (1.00 - 3.80)	780 (250 - 1300)	4.49	4.00	4.60 (1.10 - 4.60)	1200 (250 - 1300)	3.33
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 2.80)	730 (250 - 780)	4.11	2.00 + 2.00	4.00 (1.50 - 4.60)	890 (250 - 950)	4.49
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	730 (250 - 1050)	4.52	1.78 + 2.22	4.00 (1.50 - 4.60)	900 (250 - 1020)	4.44
	15 + 25	1.24 + 2.06	3.30 (1.50 - 3.80)	950 (250 - 1050)	3.47	1.45 + 2.55	4.00 (1.50 - 4.60)	1080 (250 - 1500)	3.70
	15 + 35	0.99 + 2.31	3.30 (1.50 - 4.20)	1050 (250 - 1050)	3.14	1.18 + 2.82	4.00 (1.50 - 4.60)	1230 (250 - 1500)	3.25
	18 + 18	1.65 + 1.65	3.30 (1.50 - 3.80)	1050 (250 - 1050)	3.14	2.00 + 2.00	4.00 (1.50 - 4.60)	1250 (250 - 1500)	3.20
	18 + 25	1.38 + 1.92	3.30 (1.50 - 4.20)	1050 (250 - 1050)	3.14	1.67 + 2.33	4.00 (1.50 - 4.60)	1250 (250 - 1500)	3.20
	18 + 35	1.12 + 2.18	3.30 (1.50 - 4.20)	1050 (250 - 1050)	3.14	1.37 + 2.63	4.00 (1.50 - 4.60)	1250 (250 - 1500)	3.20
	25 + 25	1.65 + 1.65	3.30 (1.50 - 4.20)	1050 (250 - 1050)	3.14	2.00 + 2.00	4.00 (1.50 - 4.60)	1250 (250 - 1500)	3.20

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.

** RAM-33NP2E + RAK-15QPE + RAK-18RPE

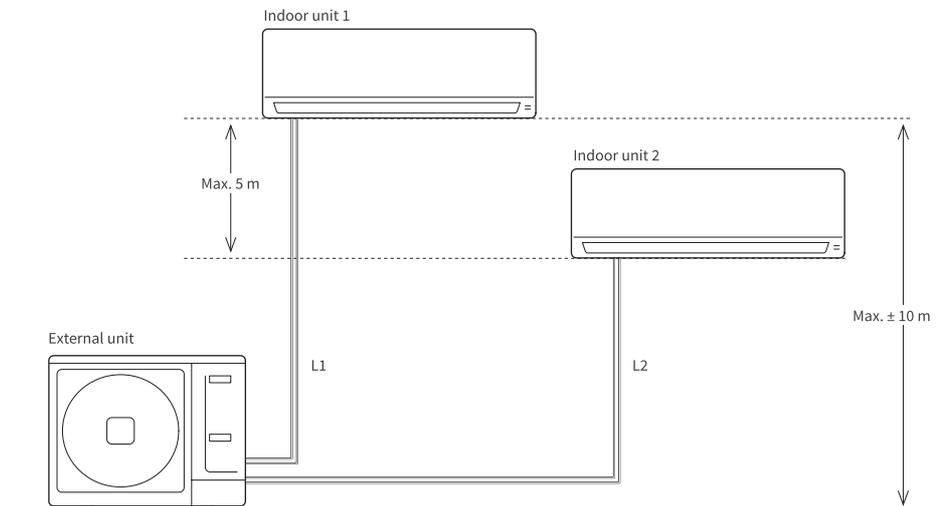
Cooler lengths

RAM-33NP2E

L1 + L2 < 35 m
L1 < 15 m ; L2 < 15 m

The max. level difference between 2 indoor units is 5m.

Always connect the most powerful indoor unit to the lowest connector. No additional charge necessary.



RAM - 40NP2E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
1 unit*	15	1.50	1.50 (1.00 - 2.20)	380 (200 - 480)	3.95	2.00	2.00 (1.10 - 3.20)	530 (250 - 970)	3.77 A
	18	1.80	1.80 (1.00 - 2.50)	455 (200 - 750)	3.96	2.50	2.50 (1.10 - 3.20)	690 (250 - 970)	3.62 A
	25	2.50	2.50 (1.00 - 3.10)	650 (200 - 880)	3.85	3.50	3.50 (1.10 - 4.40)	990 (250 - 1120)	3.54 B
	35	3.50	3.50 (1.00 - 4.00)	780 (200 - 1150)	4.49	4.80	4.80 (1.10 - 5.00)	1200 (250 - 1300)	4.00 A
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 2.80)	700 (200 - 780)	4.29	2.00 + 2.00	4.00 (1.50 - 4.60)	890 (250 - 950)	4.49 A
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	730 (200 - 930)	4.52	2.00 + 2.50	4.50 (1.50 - 5.00)	940 (250 - 1020)	4.79 A
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.00)	950 (200 - 1150)	4.21	1.89 + 3.31	5.20 (1.50 - 5.50)	1080 (250 - 1500)	4.81 A
	15 + 35	1.20 + 2.80	4.00 (1.50 - 4.20)	1100 (200 - 1150)	3.64	1.53 + 3.67	5.20 (1.50 - 5.50)	1230 (250 - 1500)	4.23 A
	18 + 18	1.80 + 1.80	3.60 (1.50 - 4.00)	1050 (200 - 1050)	3.43	2.50 + 2.50	5.00 (1.50 - 5.00)	1250 (250 - 1500)	4.00 A
	18 + 25	1.67 + 2.33	4.00 (1.50 - 4.20)	1090 (200 - 1150)	3.67	2.17 + 3.03	5.20 (1.50 - 5.50)	1250 (250 - 1500)	4.16 A
	18 + 35	1.36 + 2.64	4.00 (1.50 - 4.20)	1130 (200 - 1150)	3.54	1.78 + 3.42	5.20 (1.50 - 5.50)	1250 (250 - 1500)	4.16 A
	25 + 25	2.00 + 2.00	4.00 (1.50 - 4.20)	1150 (200 - 1150)	3.48	2.60 + 2.60	5.20 (1.50 - 5.50)	1250 (250 - 1500)	4.16 A

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.

** RAM-40NP2E + RAK-18 RPE + RAK-18RPE

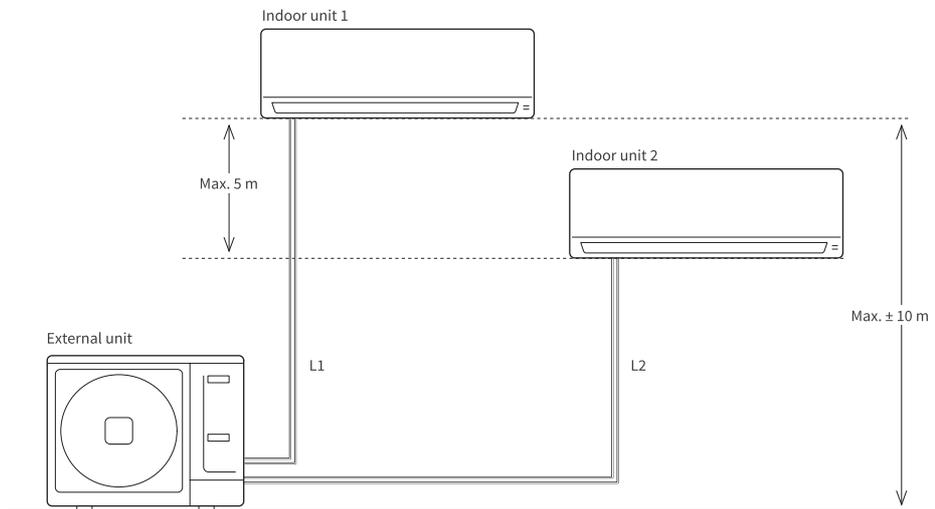
Cooler lengths

RAM-40NP2E

L1 + L2 < 35 m
L1 < 25 m ; L2 < 25 m

The max. level difference between 2 indoor units is 5m.

Always connect the most powerful indoor unit to the lowest connector.
No additional charge necessary.





Indoor unit combinations

Standard multi-split

RAM - 53NP2E		COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
1 unit*	15	1.50	1.50 (1.00 - 2.20)	430 (350 - 480)	3.49	2.00	2.00 (1.10 - 2.20)	610 (350 - 650)	3.28
	18	1.80	1.80 (1.00 - 2.00)	495 (350 - 750)	3.64	2.50	2.50 (1.10 - 3.20)	690 (350 - 1050)	3.62
	25	2.50	2.50 (1.00 - 2.80)	700 (350 - 980)	3.57	3.90	3.90 (1.10 - 4.70)	1060 (350 - 1380)	3.68
	35	3.50	3.50 (1.00 - 3.90)	1030 (350 - 1280)	3.40	4.80	4.80 (1.10 - 5.80)	1320 (350 - 1870)	3.64
	42	4.20	4.20 (1.00 - 5.50)	1500 (350 - 1660)	2.80	6.50	6.50 (1.10 - 7.20)	1680 (350 - 2010)	3.87
	50	5.00	5.00 (1.00 - 5.50)	1510 (350 - 1660)	3.31	6.80	6.50 (1.10 - 7.20)	1680 (350 - 2010)	3.87
	60	6.00	5.30 (1.00 - 5.50)	1510 (350 - 1660)	3.51	7.00	6.50 (1.10 - 7.20)	1680 (350 - 2010)	3.87
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 3.90)	920 (350 - 1000)	3.26	2.00 + 2.00	4.00 (1.50 - 4.70)	1060 (350 - 1380)	3.77
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.90)	1020 (350 - 1300)	3.24	2.00 + 2.50	4.50 (1.50 - 5.20)	1250 (350 - 1870)	3.6
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.50)	1180 (350 - 1250)	3.39	2.00 + 3.90	5.90 (1.50 - 6.50)	1550 (350 - 2010)	3.81
	15 + 35	1.50 + 3.50	5.00 (1.50 - 5.90)	1480 (350 - 1660)	3.38	2.00 + 4.80	6.80 (1.50 - 7.20)	1590 (350 - 2010)	4.28
	15 + 42 ⁽¹⁾	1.39 + 3.91	5.30 (1.50 - 5.90)	1550 (350 - 1660)	3.42	1.60 + 5.20	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	15 + 50 ⁽¹⁾	1.22 + 4.08	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	1.60 + 5.20	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	15 + 60 ⁽¹⁾	1.06 + 4.24	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	1.60 + 5.20	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	18 + 18	1.80 + 1.80	3.60 (1.50 - 4.00)	1080 (350 - 1300)	3.33	2.50 + 2.50	5.00 (1.50 - 5.20)	1290 (350 - 1550)	3.88
	18 + 25	1.80 + 2.50	4.30 (1.50 - 4.60)	1220 (350 - 1450)	3.52	2.50 + 3.90	6.40 (1.50 - 6.30)	1530 (350 - 1920)	4.18
	18 + 35	1.80 + 3.50	5.30 (1.50 - 5.60)	1260 (350 - 1660)	4.21	2.31 + 4.49	6.80 (1.50 - 7.20)	1610 (350 - 2010)	4.22
	18 + 42 ⁽¹⁾	1.59 + 3.71	5.30 (1.50 - 5.90)	1550 (350 - 1660)	3.42	1.80 + 5.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	18 + 50 ⁽¹⁾	1.40 + 3.90	5.30 (1.50 - 5.90)	1550 (350 - 1660)	3.42	1.80 + 5.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	18 + 60 ⁽¹⁾	1.22 + 4.08	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	1.80 + 5.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	25 + 25	2.50 + 2.50	5.00 (1.50 - 5.60)	1470 (350 - 1660)	3.40	3.40 + 3.40	6.80 (1.50 - 7.20)	1780 (350 - 2010)	3.82
	25 + 35	2.21 + 3.09	5.30 (1.50 - 5.70)	1550 (350 - 1660)	3.42	2.83 + 3.97	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	25 + 42 ⁽¹⁾	1.98 + 3.32	5.30 (1.50 - 5.90)	1550 (350 - 1660)	3.42	2.27 + 4.53	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	25 + 50 ⁽¹⁾	1.77 + 3.53	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	2.27 + 4.53	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	25 + 60 ⁽¹⁾	1.56 + 3.74	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	2.27 + 4.53	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	35 + 35	2.65 + 2.65	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	3.40 + 3.40	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	35 + 42 ⁽¹⁾	2.41 + 2.89	5.30 (1.50 - 6.60)	1660 (350 - 1660)	3.19	2.80 + 4.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
35 + 50 ⁽¹⁾	2.18 + 3.12	5.30 (1.50 - 6.60)	1660 (350 - 1660)	3.19	2.80 + 4.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74	
42 + 42 ⁽¹⁾	2.65 + 2.65	5.30 (1.50 - 6.60)	1660 (350 - 1660)	3.19	2.80 + 4.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74	

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.

⁽¹⁾ For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.

** RAM-53NP2E + RAK-18QXE + RAK-35RXE.

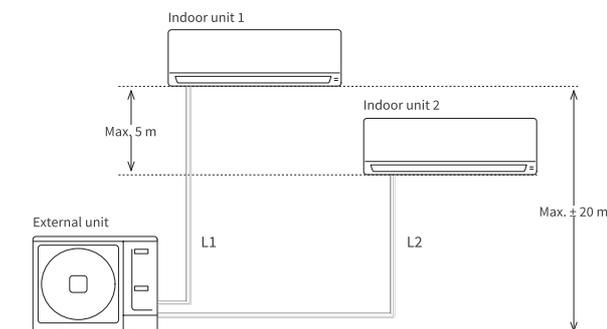
Cooler lengths

RAM-53NP2E

L1 + L2 < 35 m
L1 < 25 m ; L2 < 25 m

The max. level difference between 2 indoor units is 5m.

Always connect the most powerful indoor unit to the lowest connector. No additional charge necessary.



RAM - 53NP3E	COOLING MODE					HEATING MODE			COP
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)		
1 unit*	15	1.50	1.50 (1.00 - 1.60)	430 (200 - 480)	3.49	2.00	2.00 (1.10 - 2.20)	560 (320 - 850)	3.57
	18	1.80	1.80 (1.50 - 2.00)	495 (280 - 500)	3.64	2.50	2.50 (1.80 - 3.50)	720 (320 - 1130)	3.47
	25	2.50	2.50 (1.50 - 2.80)	700 (280 - 720)	3.57	3.40	3.40 (1.80 - 4.70)	980 (320 - 1480)	3.47
	35	3.50	3.50 (1.50 - 3.90)	1030 (280 - 1130)	3.40	4.30	4.30 (1.80 - 5.80)	1150 (320 - 1950)	3.74
	42	4.20	4.20 (1.50 - 5.60)	1450 (280 - 1800)	2.90	6.50	6.50 (1.80 - 7.20)	1800 (320 - 2010)	3.61
	50	5.00	5.00 (1.50 - 5.60)	1480 (280 - 1800)	3.38	6.50	6.50 (1.80 - 7.20)	1880 (320 - 2530)	3.46
	60	6.00	5.30 (1.50 - 6.60)	1481 (280 - 1930)	3.58	7.30	6.80 (1.80 - 7.80)	1880 (320 - 2530)	3.62
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 3.50)	870 (380 - 980)	3.45	2.00 + 2.00	4.00 (2.20 - 4.70)	1080 (200 - 1100)	3.70
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	950 (380 - 1000)	3.47	2.00 + 2.50	4.50 (2.20 - 5.20)	1200 (200 - 1300)	3.75
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.00)	1300 (380 - 1300)	3.08	2.00 + 3.40	5.40 (2.20 - 6.40)	1450 (200 - 1780)	3.72
	15 + 35	1.50 + 3.50	5.00 (1.50 - 5.20)	1450 (380 - 1450)	3.45	2.00 + 4.30	6.30 (2.20 - 7.20)	1660 (200 - 2010)	3.80
	15 + 42 ⁽¹⁾	1.39 + 3.91	5.30 (1.50 - 5.90)	1580 (380 - 2380)	3.35	1.60 + 5.20	6.80 (2.20 - 7.20)	1680 (320 - 2010)	4.05
	15 + 50 ⁽¹⁾	1.22 + 4.08	5.30 (1.50 - 6.30)	1700 (380 - 2380)	3.12	1.60 + 5.20	6.80 (2.20 - 7.20)	1770 (320 - 2010)	3.84
	15 + 60 ⁽¹⁾	1.06 + 4.24	5.30 (1.50 - 6.30)	1700 (380 - 2380)	3.12	1.51 + 5.29	6.80 (2.20 - 7.20)	1950 (320 - 2010)	3.49
	18 + 18	1.80 + 1.80	3.60 (1.50 - 5.90)	1020 (380 - 1020)	3.53	2.50 + 2.50	5.00 (2.20 - 6.40)	1380 (320 - 2010)	3.62
	18 + 25	1.80 + 2.50	4.30 (1.50 - 5.90)	1200 (380 - 1360)	3.58	2.50 + 3.40	5.90 (2.20 - 7.20)	1580 (320 - 2010)	3.73
	18 + 35	1.80 + 3.50	5.30 (1.50 - 5.90)	1290 (380 - 1950)	4.11	2.50 + 4.30	6.80 (2.20 - 7.20)	1650 (320 - 2010)	4.12
	18 + 42 ⁽¹⁾	1.80 + 5.00	5.30 (1.50 - 5.90)	1620 (380 - 2820)	3.27	1.89 + 4.91	6.80 (2.20 - 9.50)	1700 (430 - 2600)	4.00
	18 + 50 ⁽¹⁾	1.80 + 5.00	5.30 (1.50 - 5.90)	1800 (380 - 2820)	2.94	1.89 + 4.91	6.80 (2.20 - 9.50)	2100 (430 - 2600)	3.24
	18 + 60 ⁽¹⁾	1.80 + 6.00	5.30 (1.50 - 5.90)	1800 (380 - 2820)	2.94	1.79 + 5.01	6.80 (2.20 - 9.50)	2100 (430 - 2600)	3.24
	25 + 25	2.50 + 2.50	5.00 (2.00 - 5.50)	1480 (380 - 1720)	3.38	3.40 + 3.40	6.80 (2.20 - 9.50)	1770 (430 - 2010)	3.84
	25 + 35	2.50 + 3.50	5.30 (2.00 - 6.60)	1640 (380 - 2380)	3.23	3.00 + 3.80	6.80 (2.20 - 9.50)	1880 (430 - 2010)	3.62
	25 + 42 ⁽¹⁾	1.98 + 3.32	5.30 (2.00 - 7.20)	1640 (380 - 2820)	3.23	2.34 + 4.46	6.80 (2.20 - 9.50)	2000 (430 - 2600)	3.40
	25 + 50 ⁽¹⁾	1.77 + 3.53	5.30 (2.00 - 7.20)	1610 (380 - 2820)	3.29	2.34 + 4.46	6.80 (2.20 - 9.50)	2100 (430 - 2600)	3.24
	25 + 60 ⁽¹⁾	1.56 + 3.74	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	2.22 + 4.58	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62
	35 + 35	2.65 + 2.65	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	3.40 + 3.40	6.80 (2.20 - 9.50)	1880 (430 - 3120)	3.62
	35 + 42 ⁽¹⁾	2.41 + 2.89	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	2.71 + 4.09	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62
35 + 50 ⁽¹⁾	2.18 + 3.12	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	2.71 + 4.09	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62	
35 + 60 ⁽¹⁾	1.95 + 3.35	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	2.59 + 4.21	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62	
42 + 42 ⁽¹⁾	2.65 + 2.65	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	3.40 + 3.40	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62	
42 + 50 ⁽¹⁾	2.42 + 2.88	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	3.40 + 3.40	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62	
42 + 60 ⁽¹⁾	2.18 + 3.12	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	3.27 + 3.53	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62	
50 + 50 ⁽¹⁾	2.65 + 2.65	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	3.40 + 3.40	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62	

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.
⁽¹⁾ For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.
 ** RAM-53NP3E + RAK-18QXE + RAK-35RPE

Cooler lengths

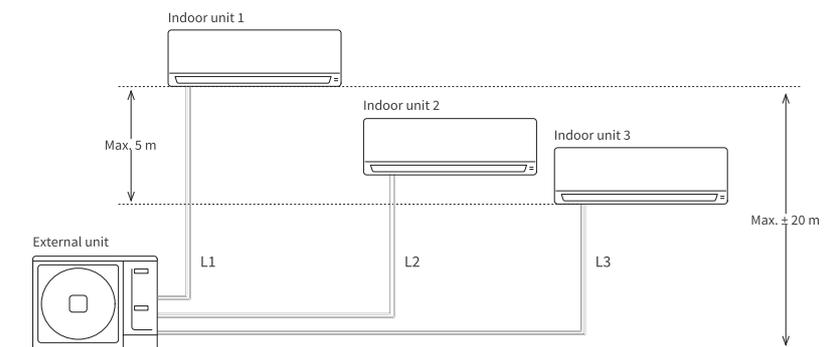
RAM-53NP3E

L1 + L2 + L3 < 60 m
 L1 < 25 m ; L2 < 25 m ; L3 < 25 m

The max. level difference between 2 indoor units is 5m.

Prefilled for 35 m.
 Beyond 35 m, allow an additional 20g/m.

Always connect the most powerful indoor unit to the lowest connector.





Indoor unit combinations

Standard multi-split

RAM - 53NP3E	COOLING MODE				HEATING MODE				
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
3 units	15 + 15 + 15	1.50 + 1.50 + 1.50	4.50 (2.20 - 5.00)	1400 (420 - 1680)	3.21	2.00 + 2.00 + 2.00	6.00 (2.40 - 6.50)	1650 (430 - 1800)	3.64
	15 + 15 + 18	1.50 + 1.50 + 1.80	4.80 (2.20 - 5.50)	1480 (240 - 1880)	3.24	2.00 + 2.00 + 2.50	6.50 (2.40 - 7.00)	1750 (430 - 2100)	3.71
	15 + 15 + 25	1.45 + 1.45 + 2.41	5.30 (2.20 - 6.00)	1680 (420 - 2280)	3.15	1.84 + 1.84 + 3.12	6.80 (2.20 - 9.30)	1850 (430 - 2200)	3.68
	15 + 15 + 35	1.22 + 1.22 + 2.85	5.30 (2.20 - 7.00)	1800 (420 - 2480)	2.94	1.64 + 1.64 + 3.52	6.80 (2.40 - 9.50)	1850 (430 - 2500)	3.68
	15 + 15 + 42 ¹⁾	1.10 + 1.10 + 3.09	5.30 (2.20 - 7.50)	1800 (420 - 2890)	2.94	1.30 + 1.30 + 4.21	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 15 + 50 ¹⁾	0.99 + 0.99 + 3.31	5.30 (2.20 - 7.50)	1800 (420 - 2890)	2.94	1.30 + 1.30 + 4.21	6.80 (2.40 - 9.50)	2000 (430 - 2600)	3.40
	15 + 15 + 60 ¹⁾	0.88 + 0.88 + 3.53	5.30 (2.20 - 7.50)	1800 (420 - 2890)	2.94	1.24 + 1.24 + 4.33	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	15 + 18 + 18	1.50 + 1.80 + 1.80	5.10 (2.20 - 5.60)	1500 (420 - 2280)	3.40	1.94 + 2.43 + 2.43	6.80 (2.20 - 9.30)	1850 (430 - 2400)	3.68
	15 + 18 + 25	1.37 + 1.64 + 2.28	5.30 (2.20 - 6.30)	1590 (420 - 2480)	3.33	1.72 + 2.15 + 2.93	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 18 + 35	1.17 + 1.40 + 2.73	5.30 (2.20 - 7.50)	1680 (420 - 2480)	3.15	1.55 + 1.93 + 3.32	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 18 + 42 ¹⁾	1.06 + 1.27 + 2.97	5.30 (2.20 - 7.50)	1800 (420 - 2890)	2.94	1.24 + 1.55 + 4.02	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 18 + 50 ¹⁾	0.96 + 1.15 + 3.19	5.30 (2.20 - 7.50)	1800 (420 - 2890)	2.94	1.24 + 1.55 + 4.02	6.80 (2.40 - 9.50)	2050 (430 - 2600)	3.32
	15 + 25 + 25	1.22 + 2.04 + 2.04	5.30 (1.50 - 7.00)	1710 (420 - 2480)	3.10	1.55 + 2.63 + 2.63	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 25 + 35	1.06 + 1.77 + 2.47	5.30 (2.20 - 7.80)	1800 (420 - 2890)	2.94	1.40 + 2.38 + 3.01	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 25 + 42 ¹⁾	0.97 + 1.62 + 2.71	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.14 + 1.94 + 3.71	6.80 (2.40 - 9.50)	1930 (430 - 2600)	3.52
	15 + 25 + 50 ¹⁾	0.88 + 1.47 + 2.94	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.14 + 1.94 + 3.71	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	15 + 35 + 35	0.94 + 2.18 + 2.18	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.28 + 2.76 + 2.76	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	15 + 35 + 42 ¹⁾	0.86 + 2.02 + 2.42	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.06 + 2.28 + 3.45	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	15 + 35 + 50 ¹⁾	0.80 + 1.86 + 2.65	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.06 + 2.28 + 3.45	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	15 + 42 + 42 ¹⁾	0.80 + 2.25 + 2.25	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	0.83 + 2.99 + 2.99	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	15 + 42 + 50 ¹⁾	0.74 + 2.08 + 2.48	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	0.83 + 2.99 + 2.99	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 18 + 18	1.77 + 1.77 + 1.77	5.30 (2.20 - 5.90)	1500 (420 - 2190)	3.53	2.27 + 2.27 + 2.27	6.80 (2.40 - 9.50)	1860 (430 - 2600)	3.66
	18 + 18 + 25	1.56 + 1.56 + 2.17	5.30 (2.20 - 6.70)	1610 (420 - 2480)	3.29	2.02 + 2.02 + 2.75	6.80 (2.40 - 9.50)	1740 (430 - 2600)	3.91
	18 + 18 + 35	1.34 + 1.34 + 2.61	5.30 (2.20 - 7.80)	1800 (420 - 2890)	2.94	1.83 + 1.83 + 3.14	6.80 (2.40 - 9.50)	1820 (430 - 2600)	3.74
	18 + 18 + 42 ¹⁾	1.22 + 1.22 + 2.85	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.48 + 1.48 + 3.84	6.80 (2.40 - 9.50)	1950 (430 - 2600)	3.49
	18 + 18 + 50 ¹⁾	1.11 + 1.11 + 3.08	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.48 + 1.48 + 3.84	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 25 + 25	1.40 + 1.95 + 1.95	5.30 (2.20 - 7.50)	1730 (420 - 2780)	3.06	1.83 + 2.49 + 2.49	6.80 (2.40 - 9.50)	1760 (430 - 2600)	3.86
	18 + 25 + 35	1.22 + 1.70 + 2.38	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.67 + 2.27 + 2.87	6.80 (2.40 - 9.50)	1820 (430 - 2600)	3.74
	18 + 25 + 42 ¹⁾	1.12 + 1.56 + 2.62	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.37 + 1.86 + 3.56	6.80 (2.40 - 9.50)	1970 (430 - 2600)	3.45
	18 + 25 + 50 ¹⁾	1.03 + 1.42 + 2.85	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.37 + 1.86 + 3.56	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 35 + 35	1.08 + 2.11 + 2.11	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.53 + 2.63 + 2.63	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 35 + 42 ¹⁾	1.00 + 1.95 + 2.34	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.28 + 2.20 + 3.32	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 35 + 50 ¹⁾	0.93 + 1.80 + 2.57	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.28 + 2.20 + 3.32	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	25 + 25 + 25	1.77 + 1.77 + 1.77	5.30 (2.20 - 7.80)	1800 (420 - 2890)	2.94	2.27 + 2.27 + 2.27	6.80 (2.40 - 9.50)	1870 (430 - 2600)	3.64
	25 + 25 + 35	1.56 + 1.56 + 2.18	5.30 (2.20 - 8.00)	1800 (420 - 2960)	2.94	2.08 + 2.08 + 2.63	6.80 (2.40 - 9.50)	1930 (430 - 2600)	3.52
	25 + 25 + 42 ¹⁾	1.44 + 1.44 + 2.42	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.74 + 1.74 + 3.32	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	25 + 25 + 50 ¹⁾	1.33 + 1.33 + 2.65	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.74 + 1.74 + 3.32	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	25 + 35 + 35	1.39 + 1.95 + 1.95	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.93 + 2.44 + 2.44	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	25 + 35 + 42 ¹⁾	1.30 + 1.82 + 2.18	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.63 + 2.06 + 3.11	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	25 + 35 + 50 ¹⁾	1.20 + 1.69 + 2.41	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.63 + 2.06 + 3.11	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
25 + 42 + 42 ¹⁾	1.22 + 2.04 + 2.04	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.63 + 2.06 + 3.11	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24	
35 + 35 + 35	1.77 + 1.77 + 1.77	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	2.27 + 2.27 + 2.27	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24	

¹⁾ For each output corresponding to units 42, 50, and 60, a 3/8-to-1/2 cooler adapter is required.

** RAM-53NP3E + RAK-18QXE + RAK-35RPE

RAM - 68NP3E		COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
1 unit*	15	1.50	1.50 (1.00 - 1.60)	430 (200 - 480)	3.49	2.00	2.00 (1.10 - 2.20)	560 (320 - 850)	3.57
	18	1.80	1.80 (1.50 - 2.00)	495 (280 - 500)	3.64	2.50	2.50 (1.80 - 3.50)	720 (320 - 1130)	3.47
	25	2.50	2.50 (1.50 - 2.80)	700 (280 - 720)	3.57	3.40	3.40 (1.80 - 4.70)	980 (320 - 1480)	3.47
	35	3.50	3.50 (1.50 - 3.90)	1030 (280 - 1130)	3.40	4.30	4.30 (1.80 - 5.80)	1150 (320 - 1950)	3.74
	42	4.20	4.20 (1.50 - 5.60)	1450 (280 - 1800)	2.90	6.50	6.50 (1.80 - 7.20)	2030 (320 - 2530)	3.20
	50	5.00	5.00 (1.50 - 5.60)	1480 (280 - 1800)	3.38	6.50	6.50 (1.80 - 7.20)	2030 (320 - 2530)	3.20
	60	6.00	6.00 (1.50 - 6.60)	1480 (280 - 2290)	4.05	7.30	7.30 (1.80 - 8.50)	2590 (320 - 2860)	2.82
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 2.80)	870 (380 - 980)	3.45	2.00 + 2.00	4.00 (2.20 - 4.70)	1080 (200 - 1100)	3.70
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	950 (380 - 1000)	3.47	2.00 + 2.50	4.50 (2.20 - 5.20)	1200 (200 - 1300)	3.75
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.00)	1300 (380 - 1300)	3.08	2.00 + 3.40	5.40 (2.20 - 6.40)	1450 (200 - 1780)	3.72
	15 + 35	1.50 + 3.50	5.00 (1.50 - 5.20)	1450 (380 - 1450)	3.45	2.00 + 4.30	6.30 (2.20 - 7.20)	1660 (200 - 2010)	3.80
	15 + 42 ⁽¹⁾	1.50 + 4.20	5.70 (1.50 - 5.90)	1700 (380 - 2380)	3.35	2.00 + 6.50	8.50 (2.20 - 7.20)	2200 (390 - 3120)	3.86
	15 + 50 ⁽¹⁾	1.50 + 5.00	6.50 (1.50 - 5.90)	1830 (380 - 2380)	3.55	2.00 + 6.50	8.50 (2.20 - 7.20)	2200 (390 - 3120)	3.86
	15 + 60 ⁽¹⁾	1.36 + 5.44	6.80 (1.50 - 6.50)	2120 (380 - 2580)	3.58	1.83 + 6.67	8.50 (2.20 - 8.60)	2200 (390 - 3120)	3.86
	18 + 18	1.80 + 1.80	3.60 (2.00 - 4.00)	1020 (380 - 1020)	3.53	2.50 + 2.50	5.00 (2.20 - 6.40)	1380 (390 - 2750)	3.62
	18 + 25	1.80 + 2.50	4.30 (2.00 - 4.70)	1380 (380 - 1360)	3.12	2.50 + 3.40	5.90 (2.20 - 7.20)	1580 (390 - 3000)	3.73
	18 + 35	1.80 + 3.50	5.30 (2.00 - 5.80)	1750 (380 - 1950)	3.03	2.50 + 4.30	6.80 (2.20 - 7.20)	1610 (390 - 3120)	4.22
	18 + 42 ⁽¹⁾	1.80 + 5.00	6.00 (2.00 - 7.10)	1830 (380 - 2820)	3.28	2.36 + 6.14	8.50 (2.20 - 9.50)	2120 (390 - 3120)	4.01
	18 + 50 ⁽¹⁾	1.80 + 5.00	6.80 (2.00 - 7.10)	1830 (380 - 2820)	3.72	2.36 + 6.14	8.50 (2.20 - 9.50)	2120 (390 - 3120)	4.01
	18 + 60 ⁽¹⁾	1.70 + 5.40	6.80 (2.00 - 7.50)	1900 (380 - 2980)	3.58	2.17 + 6.33	8.50 (2.20 - 9.50)	2200 (390 - 3120)	3.86
	25 + 25	2.50 + 2.50	5.00 (2.00 - 5.50)	1480 (380 - 1720)	3.38	3.40 + 3.40	6.80 (2.20 - 9.50)	2000 (390 - 3120)	3.40
	25 + 35	2.50 + 3.50	6.00 (2.00 - 6.60)	1850 (380 - 2380)	3.24	3.40 + 4.30	7.70 (2.20 - 9.50)	2120 (390 - 3120)	3.63
	25 + 42 ⁽¹⁾	2.50 + 4.20	6.70 (2.00 - 7.50)	2060 (380 - 2980)	3.25	2.92 + 5.58	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
	25 + 50 ⁽¹⁾	2.27 + 4.53	6.80 (2.00 - 7.50)	2060 (380 - 2980)	3.30	2.92 + 5.58	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
	25 + 60 ⁽¹⁾	2.10 + 5.00	6.80 (2.00 - 7.50)	2060 (380 - 2980)	3.30	2.70 + 5.80	8.50 (2.20 - 9.50)	2450 (390 - 3120)	3.47
	35 + 35	3.40 + 3.40	6.80 (2.00 - 7.40)	2060 (380 - 2940)	3.30	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
	35 + 42 ⁽¹⁾	3.09 + 3.71	6.80 (2.00 - 7.50)	2060 (380 - 2890)	3.30	3.38 + 5.12	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
35 + 50 ⁽¹⁾	2.80 + 4.00	6.80 (2.00 - 7.50)	2060 (380 - 2890)	3.30	3.38 + 5.12	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
35 + 60 ⁽¹⁾	2.60 + 4.50	6.80 (2.00 - 7.80)	2060 (380 - 3100)	2.78	3.15 + 5.35	8.50 (2.20 - 9.50)	2450 (390 - 3120)	3.47	
42 + 42 ⁽¹⁾	3.40 + 3.40	6.80 (2.00 - 8.00)	2060 (380 - 3170)	3.30	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
42 + 50 ⁽¹⁾	3.10 + 3.70	6.80 (2.00 - 8.00)	2060 (380 - 3170)	3.30	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
42 + 60 ⁽¹⁾	2.80 + 4.00	6.80 (2.00 - 8.00)	2060 (380 - 3170)	3.30	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
50 + 50 ⁽¹⁾	3.40 + 3.40	6.80 (2.00 - 8.00)	2060 (380 - 3170)	3.30	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
50 + 60 ⁽¹⁾	3.20 + 3.90	6.80 (2.00 - 8.00)	2360 (380 - 3170)	2.88	4.00 + 4.50	8.50 (2.20 - 9.50)	2450 (390 - 3120)	3.47	

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.
⁽¹⁾ For each output corresponding to units 42, 50 and 60, a 3/8-to-1/2 cooler adapter is required.
 ** RAM-68NP3E + RAK-18RPE + RAK-25RPE + RAK-25RPE.

Cooler lengths

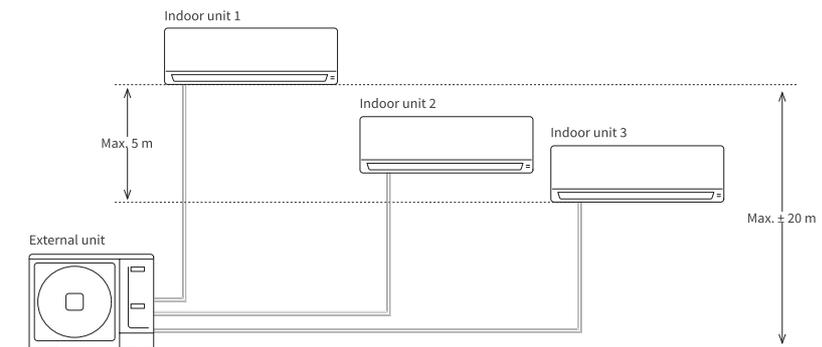
RAM-68NP3E

L1 + L2 + L3 < 60 m
 L1 < 25 m ; L2 < 25 m ; L3 < 25 m

The max. level difference between 2 indoor units is 5m.

Prefilled for 30 m.
 Beyond 30 m, allow an additional 20g/m.

Always connect the most powerful indoor unit to the lowest connector.





Indoor unit combinations

Standard multi-split

RAM - 68NP3E	COOLING MODE				HEATING MODE				COP
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)		
15 + 15 + 15	1.50 + 1.50 + 1.50	4.50 (2.20 - 5.00)	1400 (420 - 1680)	3.21	2.00 + 2.00 + 2.00	6.00 (2.40 - 6.50)	1650 (430 - 1800)	3.64	
15 + 15 + 18	1.50 + 1.50 + 1.80	4.80 (2.20 - 5.50)	1480 (240 - 1880)	3.24	2.00 + 2.00 + 2.50	6.50 (2.40 - 7.00)	1750 (430 - 2100)	3.71	
15 + 15 + 25	1.50 + 1.50 + 2.50	5.50 (2.20 - 6.00)	1680 (420 - 2280)	3.27	2.00 + 2.00 + 3.40	7.40 (2.20 - 9.30)	2010 (430 - 2200)	3.68	
15 + 15 + 35	1.50 + 1.50 + 3.50	6.50 (2.20 - 7.00)	2010 (420 - 2480)	3.23	2.00 + 2.00 + 4.30	8.30 (2.40 - 9.50)	2260 (430 - 2500)	3.67	
15 + 15 + 42 ⁽¹⁾	1.42 + 1.42 + 3.97	6.80 (2.20 - 7.50)	2100 (420 - 2890)	3.24	1.62 + 1.62 + 5.26	8.50 (2.40 - 9.50)	2300 (430 - 2600)	3.7	
15 + 15 + 50 ⁽¹⁾	1.28 + 1.28 + 4.25	6.80 (2.20 - 7.50)	2100 (420 - 2890)	3.24	1.62 + 1.62 + 5.26	8.50 (2.40 - 9.50)	2300 (430 - 2600)	3.7	
15 + 15 + 60 ⁽¹⁾	1.13 + 1.13 + 4.53	6.80 (2.20 - 8.00)	2180 (420 - 2960)	3.12	1.53 + 1.38 + 5.59	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 18 + 18	1.50 + 1.80 + 1.80	5.10 (2.20 - 5.60)	1550 (420 - 2280)	3.29	2.00 + 2.50 + 2.50	7.00 (2.20 - 9.30)	1900 (430 - 2400)	3.68	
15 + 18 + 25	1.50 + 1.80 + 2.50	5.80 (2.20 - 6.30)	1800 (420 - 2480)	3.22	2.00 + 2.50 + 3.40	7.90 (2.40 - 9.50)	2150 (430 - 2600)	3.67	
15 + 18 + 35	1.50 + 1.80 + 3.50	6.80 (2.20 - 7.50)	2100 (420 - 2480)	3.24	1.93 + 2.41 + 4.15	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 18 + 42 ⁽¹⁾	1.36 + 1.63 + 3.81	6.80 (2.20 - 7.50)	2100 (420 - 2890)	3.24	1.55 + 1.93 + 5.02	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 18 + 50 ⁽¹⁾	1.23 + 1.47 + 4.10	6.80 (2.20 - 7.50)	2100 (420 - 2890)	3.24	1.55 + 1.93 + 5.02	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 18 + 60 ⁽¹⁾	1.10 + 1.32 + 4.39	6.80 (2.20 - 8.00)	2180 (420 - 2960)	3.12	1.44 + 1.80 + 5.26	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 25 + 25	1.50 + 2.50 + 2.50	6.50 (1.50 - 7.00)	2020 (420 - 2480)	3.22	1.93 + 3.28 + 3.28	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 25 + 35	1.36 + 2.27 + 3.17	6.80 (2.20 - 7.80)	2100 (420 - 2890)	3.24	1.75 + 2.98 + 3.77	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 25 + 42 ⁽¹⁾	1.24 + 2.07 + 3.48	6.80 (2.20 - 8.00)	2100 (420 - 2960)	3.24	1.43 + 2.43 + 4.64	8.50 (2.40 - 9.50)	2310 (430 - 2600)	3.68	
15 + 25 + 50 ⁽¹⁾	1.13 + 1.89 + 3.78	6.80 (2.20 - 8.00)	2100 (420 - 2960)	3.24	1.43 + 2.43 + 4.64	8.50 (2.40 - 9.50)	2310 (430 - 2600)	3.68	
15 + 25 + 60 ⁽¹⁾	1.02 + 1.70 + 4.08	6.80 (2.20 - 8.00)	2180 (420 - 2960)	3.12	1.34 + 2.28 + 4.89	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 35 + 35	1.20 + 2.80 + 2.80	6.80 (2.20 - 8.00)	2100 (420 - 2890)	3.24	1.60 + 3.45 + 3.45	8.50 (2.40 - 9.50)	2310 (430 - 2600)	3.68	
15 + 35 + 42 ⁽¹⁾	1.11 + 2.59 + 3.10	6.80 (2.20 - 8.00)	2100 (420 - 2960)	3.24	1.33 + 2.86 + 4.32	8.50 (2.40 - 9.50)	2310 (430 - 2600)	3.68	
15 + 35 + 50 ⁽¹⁾	1.02 + 2.38 + 3.40	6.80 (2.20 - 8.00)	2100 (420 - 2960)	3.24	1.33 + 2.86 + 4.32	8.50 (2.40 - 9.50)	2310 (430 - 2600)	3.68	
15 + 35 + 60 ⁽¹⁾	0.93 + 2.16 + 3.71	6.80 (2.20 - 8.00)	2180 (420 - 2960)	3.12	1.14 + 2.73 + 4.63	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 42 + 42 ⁽¹⁾	1.03 + 2.88 + 2.88	6.80 (2.20 - 8.00)	2180 (420 - 2960)	3.12	1.03 + 3.73 + 3.73	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 42 + 50 ⁽¹⁾	0.95 + 2.67 + 3.18	6.80 (2.20 - 8.00)	2180 (420 - 2960)	3.12	1.03 + 3.73 + 3.73	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
18 + 18 + 18	1.80 + 1.80 + 1.80	5.40 (2.20 - 5.90)	1450 (420 - 2190)	3.72	2.50 + 2.50 + 2.50	7.50 (2.40 - 9.50)	2050 (430 - 2600)	3.66	
18 + 18 + 25	1.80 + 1.80 + 2.50	6.10 (2.20 - 6.70)	1720 (420 - 2480)	3.55	2.50 + 2.50 + 3.40	8.40 (2.40 - 9.50)	2150 (430 - 2600)	3.91	
18 + 18 + 35	1.72 + 1.72 + 3.35	6.80 (2.20 - 7.80)	2080 (420 - 2890)	3.27	2.28 + 2.28 + 3.93	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 18 + 42 ⁽¹⁾	1.57 + 1.57 + 3.66	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	1.85 + 1.85 + 4.80	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 18 + 50 ⁽¹⁾	1.42 + 1.42 + 3.95	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	1.85 + 1.85 + 4.80	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 18 + 60 ⁽¹⁾	1.28 + 1.28 + 4.25	6.80 (2.20 - 8.00)	2160 (420 - 2960)	3.15	1.73 + 1.73 + 5.04	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 25 + 25	1.80 + 2.50 + 2.50	6.80 (2.20 - 7.50)	2080 (420 - 2780)	3.27	2.28 + 3.11 + 3.11	8.50 (2.40 - 9.50)	2200 (430 - 2600)	3.86	
18 + 25 + 35	1.57 + 2.18 + 3.05	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.08 + 2.83 + 3.58	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 25 + 42 ⁽¹⁾	1.44 + 2.00 + 3.36	6.80 (2.20 - 8.00)	2080 (440 - 2770)	3.27	1.71 + 2.33 + 4.46	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 25 + 50 ⁽¹⁾	1.32 + 1.83 + 3.66	6.80 (2.20 - 8.00)	2080 (440 - 2770)	3.27	1.71 + 2.33 + 4.46	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 25 + 60 ⁽¹⁾	1.19 + 1.65 + 3.96	6.80 (2.20 - 8.00)	2160 (420 - 2960)	3.15	1.61 + 2.19 + 4.70	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
18 + 35 + 35	1.39 + 2.70 + 2.70	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	1.91 + 3.29 + 3.29	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 35 + 42 ⁽¹⁾	1.29 + 2.51 + 3.01	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	1.60 + 2.75 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 35 + 50 ⁽¹⁾	1.19 + 2.31 + 3.30	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	1.60 + 2.75 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 25 + 25	2.27 + 2.27 + 2.27	6.80 (2.20 - 7.80)	2080 (420 - 2890)	3.27	2.83 + 2.83 + 2.83	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
25 + 25 + 35	2.00 + 2.00 + 2.80	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.60 + 2.60 + 3.29	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
25 + 25 + 42 ⁽¹⁾	1.85 + 1.85 + 3.10	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.17 + 2.17 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 25 + 50 ⁽¹⁾	1.70 + 1.70 + 3.40	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.17 + 2.17 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 25 + 60 ⁽¹⁾	1.55 + 1.55 + 3.71	6.80 (2.20 - 8.00)	2160 (420 - 2960)	3.15	2.05 + 2.05 + 4.40	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
25 + 35 + 35	1.79 + 2.51 + 2.51	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.41 + 3.05 + 3.05	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
25 + 35 + 42 ⁽¹⁾	1.67 + 2.33 + 2.80	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.04 + 2.57 + 3.89	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 35 + 50 ⁽¹⁾	1.55 + 2.16 + 3.09	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.04 + 2.57 + 3.89	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 42 + 42 ⁽¹⁾	1.56 + 2.62 + 2.62	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.04 + 2.57 + 3.89	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
35 + 35 + 35	2.27 + 2.27 + 2.27	6.80 (2.20 - 8.00)	2080 (420 - 2960)	3.27	2.83 + 2.83 + 2.83	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	

⁽¹⁾ For each output corresponding to units 42, 50, and 60, a 3/8-to-1/2 cooler adapter is required.

** RAM-68NP3E + RAK-18RPE + RAK-25RPE + RAK-25RPE.

RAM - 70NP4E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP class	
1 unit*	15	1.50	1.50 (1.00 - 1.60)	400 (200 - 480)	3.75	2.00	2.00 (1.10 - 2.20)	560 (320 - 850)	3.57
	18	1.80	1.80 (1.50 - 2.00)	450 (280 - 500)	4.00	2.50	2.50 (1.80 - 3.50)	720 (320 - 1130)	3.47
	25	2.50	2.50 (1.50 - 2.80)	650 (280 - 720)	3.85	3.40	3.40 (1.80 - 4.70)	980 (320 - 1480)	3.47
	35	3.50	3.50 (1.50 - 3.90)	1030 (280 - 1130)	3.40	4.30	4.30 (1.80 - 5.80)	1150 (320 - 1950)	3.74
	42	4.20	4.20 (1.50 - 5.60)	1450 (280 - 1800)	2.90	6.50	6.50 (1.80 - 7.20)	2030 (320 - 2530)	3.20
	50	5.00	5.00 (1.50 - 5.60)	1450 (280 - 1800)	3.45	6.50	6.50 (1.80 - 7.20)	2030 (320 - 2530)	3.20
	60	6.00	6.00 (1.50 - 6.60)	1450 (280 - 2290)	4.14	7.30	7.30 (1.80 - 8.50)	2100 (320 - 2860)	3.48
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 2.80)	870 (380 - 980)	3.45	2.00 + 2.00	4.00 (2.20 - 4.70)	1080 (200 - 1100)	3.70
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	950 (380 - 1000)	3.47	2.00 + 2.50	4.50 (2.20 - 5.20)	1200 (200 - 1300)	3.75
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.00)	1150 (380 - 1300)	3.48	2.00 + 3.40	5.40 (2.20 - 6.40)	1450 (200 - 1780)	3.72
	15 + 35	1.50 + 3.50	5.00 (1.50 - 5.20)	1450 (380 - 1450)	3.45	2.00 + 4.30	6.30 (2.20 - 7.20)	1660 (200 - 2010)	3.80
	15 + 42	1.50 + 4.20	5.70 (1.50 - 5.90)	1950 (380 - 2380)	2.92	2.00 + 6.50	8.50 (2.20 - 7.20)	2200 (390 - 3120)	3.86
	15 + 50	1.50 + 5.00	6.50 (1.50 - 5.90)	2000 (380 - 2380)	3.25	2.00 + 6.50	8.50 (2.20 - 7.20)	2200 (390 - 3120)	3.86
	15 + 60	1.40 + 5.60	7.00 (1.50 - 6.50)	2000 (380 - 2580)	3.50	1.83 + 6.67	8.50 (2.20 - 8.60)	2200 (390 - 3120)	3.86
	18 + 18	1.80 + 1.80	3.60 (2.00 - 4.00)	1020 (380 - 1020)	3.53	2.50 + 2.50	5.00 (2.20 - 6.40)	1380 (390 - 2750)	3.62
	18 + 25	1.80 + 2.50	4.30 (2.00 - 4.70)	1120 (380 - 1360)	3.84	2.50 + 3.40	5.90 (2.20 - 7.20)	1610 (390 - 3000)	3.66
	18 + 35	1.80 + 3.50	5.30 (2.00 - 5.80)	1600 (380 - 1950)	3.31	2.50 + 4.30	6.80 (2.20 - 7.20)	1850 (390 - 3120)	3.68
	18 + 42	1.80 + 4.20	6.00 (2.00 - 7.10)	1800 (380 - 2820)	3.33	2.36 + 6.14	8.50 (2.20 - 9.50)	2110 (390 - 3120)	4.03
	18 + 50	1.80 + 5.00	6.80 (2.00 - 7.10)	1830 (380 - 2820)	3.72	2.36 + 6.14	8.50 (2.20 - 9.50)	2120 (390 - 3120)	4.01
	18 + 60	1.70 + 5.40	7.00 (2.00 - 7.50)	2100 (380 - 2980)	3.33	2.17 + 6.33	8.50 (2.20 - 9.50)	2150 (390 - 3120)	3.95
	25 + 25	2.50 + 2.50	5.00 (2.00 - 5.50)	1410 (380 - 1720)	3.55	3.40 + 3.40	6.80 (2.20 - 9.50)	1850 (390 - 3120)	3.68
	25 + 35	2.50 + 3.50	6.00 (2.00 - 6.60)	1850 (380 - 2380)	3.24	3.60 + 4.30	7.70 (2.20 - 9.50)	2120 (390 - 3120)	3.63
	25 + 42	2.50 + 4.20	6.70 (2.00 - 7.50)	2100 (380 - 2980)	3.19	2.92 + 5.58	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
	25 + 50	2.33 + 4.67	7.00 (2.00 - 7.50)	2100 (380 - 2980)	3.33	2.92 + 5.58	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
	25 + 60	2.06 + 4.94	7.00 (2.00 - 7.50)	2100 (380 - 2980)	3.33	2.70 + 5.80	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
	35 + 35	3.50 + 3.50	7.00 (2.00 - 7.40)	1890 (380 - 2940)	3.70	4.25 + 4.25	8.50 (2.20 - 9.50)	2020 (390 - 3120)	4.21
	35 + 42	3.18 + 3.82	7.00 (2.00 - 7.50)	2100 (380 - 2890)	3.33	3.38 + 5.12	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
	35 + 50	2.88 + 4.12	7.00 (2.00 - 7.50)	2100 (380 - 2890)	3.33	3.38 + 5.12	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62
35 + 60	2.58 + 4.42	7.00 (2.00 - 7.80)	2100 (380 - 3100)	3.33	3.15 + 5.35	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
42 + 42	3.50 + 3.50	7.00 (2.00 - 8.00)	2100 (380 - 3170)	3.33	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
42 + 50	3.20 + 3.80	7.00 (2.00 - 8.00)	2100 (380 - 3170)	3.33	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
42 + 60	2.88 + 4.12	7.00 (2.00 - 8.00)	2100 (380 - 3170)	3.33	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
50 + 50	3.50 + 3.50	7.00 (2.00 - 8.00)	2100 (380 - 3170)	3.33	4.25 + 4.25	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	
50 + 60	3.18 + 3.82	7.00 (2.00 - 8.00)	2100 (380 - 3170)	3.33	4.00 + 4.50	8.50 (2.20 - 9.50)	2350 (390 - 3120)	3.62	

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.
 ** RAM-70NP4E + RAK-35RPE + RAK-35RPE.

Cooler lengths

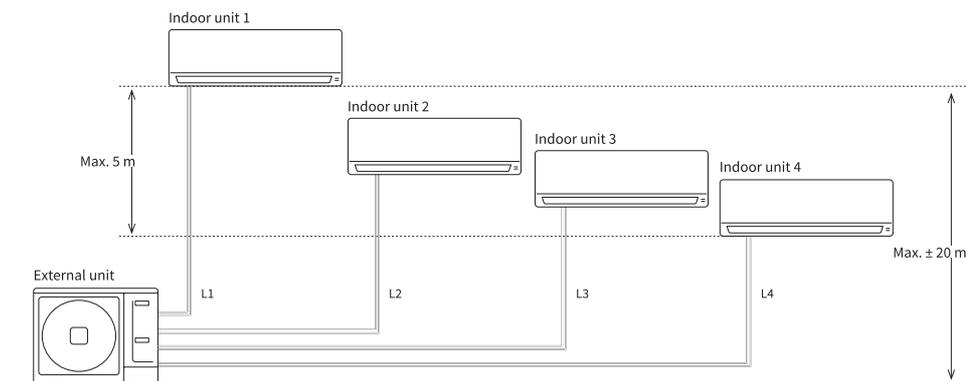
RAM-70NP4E

L1 + L2 + L3 + L4 < 60 m
 L1 ; L2 ; L3 ; L4 < 25 m

The max. level difference between 2 indoor units is 5m.

Prefilled for 30 m.
 Beyond 30 m, allow an additional 20 g/m. The max. height between the highest indoor unit and the lowest indoor unit: 5 m.

Always connect the most powerful indoor unit to the lowest connector.





Indoor unit combinations

Standard multi-split

RAM - 70NP4E	COOLING MODE				HEATING MODE				COP
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)		
15 + 15 + 15	1.50 + 1.50 + 1.50	4.50 (2.20 - 5.00)	1400 (420 - 1680)	3.21	2.00 + 2.00 + 2.00	6.00 (2.40 - 6.50)	1650 (430 - 1800)	3.64	
15 + 15 + 18	1.50 + 1.50 + 1.80	4.80 (2.20 - 5.50)	1480 (240 - 1880)	3.24	2.00 + 2.00 + 2.50	6.50 (2.40 - 7.00)	1750 (430 - 2100)	3.71	
15 + 15 + 25	1.50 + 1.50 + 2.50	5.50 (2.20 - 6.00)	1680 (420 - 2280)	3.27	2.00 + 2.00 + 3.40	7.40 (2.20 - 9.30)	2010 (430 - 2200)	3.68	
15 + 15 + 35	1.50 + 1.50 + 3.50	6.50 (2.20 - 7.00)	2010 (420 - 2480)	3.23	2.00 + 2.00 + 4.30	8.30 (2.40 - 9.50)	2260 (430 - 2500)	3.67	
15 + 15 + 42	1.46 + 1.46 + 4.08	7.00 (2.20 - 7.50)	2100 (420 - 2890)	3.33	1.62 + 1.62 + 5.26	8.50 (2.40 - 9.50)	2300 (430 - 2600)	3.70	
15 + 15 + 50	1.31 + 1.31 + 4.38	7.00 (2.20 - 7.50)	2100 (420 - 2890)	3.33	1.62 + 1.62 + 5.26	8.50 (2.40 - 9.50)	2300 (430 - 2600)	3.70	
15 + 15 + 60	1.17 + 1.17 + 4.67	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.53 + 1.38 + 5.59	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 18 + 18	1.50 + 1.80 + 1.80	5.10 (2.20 - 5.60)	1550 (420 - 2280)	3.29	2.00 + 2.50 + 2.50	7.00 (2.20 - 9.30)	1900 (430 - 2400)	3.68	
15 + 18 + 25	1.50 + 1.80 + 2.50	5.80 (2.20 - 6.30)	1800 (420 - 2480)	3.22	2.00 + 2.50 + 3.40	7.90 (2.40 - 9.50)	2150 (430 - 2600)	3.67	
15 + 18 + 35	1.50 + 1.80 + 3.50	6.80 (2.20 - 7.50)	2100 (420 - 2480)	3.24	1.93 + 2.41 + 4.15	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 18 + 42	1.40 + 1.68 + 3.92	7.00 (2.20 - 7.50)	2100 (420 - 2890)	3.33	1.55 + 1.93 + 5.02	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 18 + 50	1.27 + 1.52 + 4.22	7.00 (2.20 - 7.50)	2100 (420 - 2890)	3.33	1.55 + 1.93 + 5.02	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 18 + 60	1.13 + 1.35 + 4.52	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.44 + 1.80 + 5.26	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 25 + 25	1.50 + 2.50 + 2.50	6.50 (2.20 - 7.00)	2020 (420 - 2480)	3.22	1.93 + 3.28 + 3.28	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 25 + 35	1.40 + 2.33 + 3.27	7.00 (2.20 - 7.80)	2100 (420 - 2890)	3.33	1.75 + 2.98 + 3.77	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
15 + 25 + 42	1.28 + 2.13 + 3.59	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.43 + 2.43 + 4.64	8.50 (2.40 - 9.50)	2310 (430 - 2600)	3.68	
15 + 25 + 50	1.17 + 1.94 + 3.89	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.43 + 2.43 + 4.64	8.50 (2.40 - 9.50)	2310 (430 - 2600)	3.68	
15 + 25 + 60	1.05 + 1.75 + 4.20	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.34 + 2.28 + 4.89	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 35 + 35	1.24 + 2.88 + 2.88	7.00 (2.20 - 8.00)	2100 (420 - 2890)	3.33	1.60 + 3.45 + 3.45	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 35 + 42	1.14 + 2.66 + 3.20	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.33 + 2.86 + 4.32	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 35 + 50	1.05 + 2.45 + 3.50	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.33 + 2.86 + 4.32	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 35 + 60	0.95 + 2.23 + 3.82	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.25 + 2.69 + 4.56	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 42 + 42	1.06 + 2.97 + 2.97	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.13 + 3.68 + 3.68	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 42 + 50	0.98 + 2.75 + 3.27	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.13 + 3.68 + 3.68	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
15 + 50 + 50	0.91 + 3.04 + 3.04	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.13 + 3.68 + 3.68	8.50 (2.40 - 9.50)	2260 (430 - 2600)	3.76	
18 + 18 + 18	1.80 + 1.80 + 1.80	5.40 (2.20 - 5.90)	1450 (420 - 2190)	3.72	2.50 + 2.50 + 2.50	7.50 (2.40 - 9.50)	2050 (430 - 2600)	3.66	
18 + 18 + 25	1.80 + 1.80 + 2.50	6.10 (2.20 - 6.70)	1720 (420 - 2480)	3.55	2.50 + 2.50 + 3.40	8.40 (2.40 - 9.50)	2290 (430 - 2600)	3.67	
18 + 18 + 35	1.77 + 1.77 + 3.45	7.00 (2.20 - 7.80)	2080 (420 - 2890)	3.37	2.28 + 2.28 + 3.93	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
18 + 18 + 42	1.62 + 1.62 + 3.77	7.00 (2.20 - 8.00)	2080 (420 - 2890)	3.37	1.85 + 1.85 + 4.80	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 18 + 50	1.47 + 1.47 + 4.07	7.00 (2.20 - 8.00)	2080 (420 - 2890)	3.37	1.85 + 1.85 + 4.80	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 18 + 60	1.35 + 1.35 + 4.40	7.00 (2.20 - 8.00)	2100 (420 - 2960)	3.33	1.73 + 1.73 + 5.04	8.50 (2.40 - 9.50)	2320 (430 - 2600)	3.66	
18 + 25 + 25	1.80 + 2.50 + 2.50	6.8 (2.20 - 7.50)	2080 (420 - 2780)	3.27	2.28 + 3.11 + 3.11	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
18 + 25 + 35	1.62 + 2.24 + 3.14	7.00 (2.20 - 8.00)	2080 (420 - 2890)	3.37	2.08 + 2.83 + 3.58	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
18 + 25 + 42	1.48 + 2.06 + 3.46	7.00 (2.20 - 8.00)	2080 (420 - 2770)	3.37	1.71 + 2.33 + 4.46	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 25 + 50	1.35 + 1.88 + 3.76	7.00 (2.20 - 8.00)	2080 (420 - 2770)	3.37	1.71 + 2.33 + 4.46	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 25 + 60	1.25 + 1.70 + 4.15	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	1.61 + 2.19 + 4.70	8.50 (2.40 - 9.50)	2320 (430 - 2600)	3.66	
18 + 35 + 35	1.43 + 2.78 + 2.78	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	1.91 + 3.29 + 3.29	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
18 + 35 + 42	1.33 + 2.58 + 3.09	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	1.60 + 2.75 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 35 + 50	1.22 + 2.38 + 3.40	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	1.60 + 2.75 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 42 + 42	1.24 + 2.88 + 2.88	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	1.60 + 2.75 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
18 + 42 + 50	1.15 + 2.67 + 3.18	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	1.60 + 2.75 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 25 + 25	2.33 + 2.33 + 2.33	7.00 (2.20 - 7.80)	2080 (420 - 2890)	3.37	2.83 + 2.83 + 2.83	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
25 + 25 + 35	2.06 + 2.06 + 2.88	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.60 + 2.60 + 3.29	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
25 + 25 + 42	1.90 + 1.90 + 3.20	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.17 + 2.17 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 25 + 50	1.75 + 1.75 + 3.50	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.17 + 2.17 + 4.15	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 25 + 60	1.60 + 1.60 + 3.90	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.05 + 2.05 + 4.40	8.50 (2.40 - 9.50)	2320 (430 - 2600)	3.66	
25 + 35 + 35	1.84 + 2.58 + 2.58	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.41 + 3.05 + 3.05	8.50 (2.40 - 9.50)	2290 (430 - 2600)	3.71	
25 + 35 + 42	1.72 + 2.40 + 2.88	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.04 + 2.57 + 3.89	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
25 + 35 + 50	1.59 + 2.23 + 3.18	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.04 + 2.57 + 3.89	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	
35 + 35 + 35	2.33 + 2.33 + 2.33	7.00 (2.20 - 8.00)	2080 (420 - 2960)	3.37	2.83 + 2.83 + 2.83	8.50 (2.40 - 9.50)	2280 (430 - 2600)	3.73	

** RAM-70NP4E + RAK-35RPE + RAK-35RPE.

RAM - 70NP4E		COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
4 units	15 + 15 + 15 + 15	1.50 + 1.50 + 1.50 + 1.50	6.00 (2.20 - 6.50)	1600 (200 - 1660)	3.75	2.00 + 2.00 + 2.00 + 2.00	8.00 (2.60 - 9.00)	2150 (460 - 2420)	3.72
	15 + 15 + 15 + 18	1.50 + 1.50 + 1.50 + 1.80	6.30 (2.20 - 6.70)	1650 (420 - 2010)	3.82	2.00 + 2.00 + 2.00 + 2.50	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 15 + 15 + 25	1.50 + 1.50 + 1.50 + 2.50	7.00 (2.20 - 7.50)	1890 (420 - 2010)	3.70	1.81 + 1.81 + 1.81 + 3.07	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 15 + 35	1.31 + 1.31 + 1.31 + 3.06	7.00 (2.40 - 7.90)	2100 (450 - 2650)	3.33	1.65 + 1.65 + 1.65 + 3.55	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 15 + 42	1.21 + 1.21 + 1.21 + 3.38	7.00 (2.40 - 8.50)	2100 (450 - 2650)	3.33	1.36 + 1.36 + 1.36 + 4.42	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 15 + 50	1.11 + 1.11 + 1.11 + 3.68	7.00 (2.40 - 8.50)	2100 (450 - 2650)	3.33	1.36 + 1.36 + 1.36 + 4.42	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 15 + 60	1.00 + 1.00 + 1.00 + 4.00	7.00 (2.40 - 8.50)	2100 (450 - 2650)	3.33	1.28 + 1.28 + 1.28 + 4.67	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 18 + 18	1.50 + 1.50 + 1.80 + 1.80	6.60 (2.20 - 7.00)	1850 (420 - 2010)	3.57	1.89 + 1.89 + 2.36 + 2.36	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 18 + 25	1.44 + 1.44 + 1.73 + 2.40	7.00 (2.40 - 7.50)	2010 (420 - 2310)	3.48	1.72 + 1.72 + 2.15 + 2.92	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 18 + 35	1.27 + 1.27 + 1.52 + 2.95	7.00 (2.40 - 7.70)	2100 (450 - 2650)	3.33	1.57 + 1.57 + 1.97 + 3.38	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 18 + 42	1.17 + 1.17 + 1.40 + 3.27	7.00 (2.40 - 7.70)	2100 (450 - 2650)	3.33	1.31 + 1.31 + 1.63 + 4.25	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 18 + 50	1.07 + 1.07 + 1.29 + 3.57	7.00 (2.40 - 7.70)	2100 (450 - 2650)	3.33	1.31 + 1.31 + 1.63 + 4.25	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 18 + 60	0.97 + 0.97 + 1.17 + 3.89	7.00 (2.40 - 7.70)	2100 (450 - 3020)	3.33	1.23 + 1.23 + 1.54 + 4.50	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 15 + 25 + 25	1.31 + 1.31 + 2.19 + 2.19	7.00 (2.40 - 7.90)	2100 (450 - 2650)	3.33	1.57 + 1.57 + 2.68 + 2.68	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 25 + 35	1.17 + 1.17 + 1.94 + 2.72	7.00 (2.40 - 7.90)	2100 (450 - 2650)	3.33	1.45 + 1.45 + 2.47 + 3.12	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 25 + 42	1.08 + 1.08 + 1.80 + 3.03	7.00 (2.40 - 8.50)	2100 (450 - 2650)	3.33	1.22 + 1.22 + 2.08 + 3.97	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 15 + 25 + 50	1.00 + 1.00 + 1.67 + 3.33	7.00 (2.40 - 8.50)	2100 (450 - 2650)	3.33	1.22 + 1.22 + 2.08 + 3.97	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 15 + 25 + 60	0.91 + 0.91 + 1.52 + 3.65	7.00 (2.40 - 8.80)	2100 (450 - 3020)	3.33	1.16 + 1.16 + 1.97 + 4.22	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 15 + 35 + 35	1.05 + 1.05 + 2.45 + 2.45	7.00 (2.40 - 8.50)	2100 (450 - 2650)	3.33	1.35 + 1.35 + 2.90 + 2.90	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 15 + 35 + 42	0.98 + 0.98 + 2.29 + 2.75	7.00 (2.40 - 8.80)	2100 (450 - 3020)	3.33	1.15 + 1.15 + 2.47 + 3.73	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 15 + 35 + 50	0.91 + 0.91 + 2.13 + 3.04	7.00 (2.40 - 8.80)	2100 (450 - 3020)	3.33	1.15 + 1.15 + 2.47 + 3.73	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 18 + 18 + 18	1.50 + 1.80 + 1.80 + 1.80	6.90 (2.40 - 7.50)	2010 (420 - 2310)	3.43	1.79 + 2.24 + 2.24 + 2.24	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 18 + 18 + 25	1.38 + 1.66 + 1.66 + 2.30	7.00 (2.40 - 7.90)	2100 (450 - 2650)	3.33	1.63 + 2.04 + 2.04 + 2.78	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 18 + 18 + 35	1.22 + 1.47 + 1.47 + 2.85	7.00 (2.40 - 7.90)	2100 (450 - 2650)	3.33	1.50 + 1.88 + 1.88 + 3.23	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 18 + 18 + 42	1.13 + 1.35 + 1.35 + 3.16	7.00 (2.40 - 8.80)	2100 (450 - 2650)	3.33	1.26 + 1.57 + 1.57 + 4.09	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 18 + 18 + 50	1.04 + 1.25 + 1.25 + 3.47	7.00 (2.40 - 8.80)	2100 (450 - 2650)	3.33	1.26 + 1.57 + 1.57 + 4.09	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 18 + 18 + 60	0.95 + 1.14 + 1.14 + 3.78	7.00 (2.40 - 8.80)	2110 (450 - 3020)	3.32	1.19 + 1.49 + 1.49 + 4.34	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 18 + 25 + 25	1.27 + 1.52 + 2.11 + 2.11	7.00 (2.40 - 7.90)	2110 (450 - 2650)	3.32	1.50 + 1.88 + 2.56 + 2.56	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 18 + 25 + 35	1.13 + 1.35 + 1.88 + 2.63	7.00 (2.40 - 7.90)	2110 (450 - 2650)	3.32	1.39 + 1.74 + 2.37 + 3.00	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 18 + 25 + 42	1.05 + 1.26 + 1.75 + 2.94	7.00 (2.40 - 8.80)	2110 (450 - 3020)	3.32	1.18 + 1.48 + 2.01 + 3.84	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 18 + 25 + 50	0.97 + 1.17 + 1.62 + 3.24	7.00 (2.40 - 8.80)	2110 (450 - 3020)	3.32	1.18 + 1.48 + 2.01 + 3.84	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	15 + 18 + 35 + 35	1.02 + 1.22 + 2.38 + 2.38	7.00 (2.40 - 7.90)	2110 (450 - 3020)	3.32	1.30 + 1.62 + 2.79 + 2.79	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 25 + 25 + 25	1.17 + 1.94 + 1.94 + 1.94	7.00 (2.40 - 7.90)	2110 (450 - 2650)	3.32	1.39 + 2.37 + 2.37 + 2.37	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 25 + 25 + 35	1.05 + 1.75 + 1.75 + 2.45	7.00 (2.40 - 8.80)	2110 (450 - 2650)	3.32	1.30 + 2.21 + 2.21 + 2.79	8.50 (2.60 - 9.50)	2200 (480 - 2580)	3.86
	15 + 25 + 35 + 35	0.95 + 1.59 + 2.23 + 2.23	7.00 (2.40 - 8.80)	2110 (450 - 3020)	3.32	1.21 + 2.06 + 2.61 + 2.61	8.50 (2.60 - 9.50)	2180 (460 - 2520)	3.90
	18 + 18 + 18 + 18	1.75 + 1.75 + 1.75 + 1.75	7.00 (2.40 - 7.90)	2110 (450 - 2870)	3.32	2.13 + 2.13 + 2.13 + 2.13	8.50 (2.60 - 9.50)	2120 (480 - 2580)	4.01
	18 + 18 + 18 + 25	1.59 + 1.59 + 1.59 + 2.22	7.00 (2.40 - 7.90)	2110 (450 - 3020)	3.32	1.95 + 1.95 + 1.95 + 2.65	8.50 (2.60 - 9.50)	2120 (480 - 2580)	4.01
	18 + 18 + 18 + 35	1.42 + 1.42 + 1.42 + 2.75	7.00 (2.40 - 8.50)	2110 (450 - 3090)	3.32	1.80 + 1.80 + 1.80 + 3.10	8.50 (2.60 - 9.50)	2120 (460 - 2520)	4.01
	18 + 18 + 18 + 42	1.31 + 1.31 + 1.31 + 3.06	7.00 (2.40 - 8.80)	2110 (450 - 3200)	3.32	1.52 + 1.52 + 1.52 + 3.95	8.50 (2.60 - 9.50)	2110 (460 - 2520)	4.03
	18 + 18 + 18 + 50	1.21 + 1.21 + 1.21 + 3.37	7.00 (2.40 - 8.80)	2110 (450 - 3200)	3.32	1.52 + 1.52 + 1.52 + 3.95	8.50 (2.60 - 9.50)	2110 (460 - 2520)	4.03
18 + 18 + 25 + 25	1.47 + 1.47 + 2.03 + 2.03	7.00 (2.40 - 8.50)	2110 (450 - 3090)	3.32	1.80 + 1.80 + 2.45 + 2.45	8.50 (2.60 - 9.50)	2120 (460 - 2520)	4.01	
18 + 18 + 25 + 35	1.31 + 1.31 + 1.82 + 2.55	7.00 (2.40 - 8.50)	2100 (450 - 3090)	3.33	1.67 + 1.67 + 2.28 + 2.88	8.50 (2.60 - 9.50)	2120 (460 - 2520)	4.01	
18 + 18 + 35 + 35	1.19 + 1.19 + 2.31 + 2.31	7.00 (2.40 - 8.80)	2100 (450 - 3200)	3.33	1.56 + 1.56 + 2.69 + 2.69	8.50 (2.60 - 9.50)	2110 (460 - 2520)	4.03	
18 + 25 + 25 + 25	1.35 + 1.88 + 1.88 + 1.88	7.00 (2.40 - 8.50)	2100 (450 - 3090)	3.33	1.67 + 2.28 + 2.28 + 2.28	8.50 (2.60 - 9.50)	2120 (460 - 2520)	4.01	
18 + 25 + 25 + 35	1.22 + 1.70 + 1.70 + 2.38	7.00 (2.40 - 8.80)	2100 (450 - 3200)	3.33	1.56 + 2.13 + 2.13 + 2.69	8.50 (2.60 - 9.50)	2110 (460 - 2520)	4.03	
18 + 25 + 25 + 42	1.15 + 1.59 + 1.59 + 2.67	7.00 (2.40 - 8.80)	2100 (450 - 3200)	3.33	1.56 + 2.13 + 2.13 + 2.69	8.50 (2.60 - 9.50)	2110 (460 - 2520)	4.03	
25 + 25 + 25 + 25	1.75 + 1.75 + 1.75 + 1.75	7.00 (2.40 - 8.80)	2100 (450 - 3200)	3.33	2.13 + 2.13 + 2.13 + 2.13	8.50 (2.60 - 9.50)	2110 (460 - 2520)	4.03	
25 + 25 + 25 + 35	1.59 + 1.59 + 1.59 + 2.23	7.00 (2.40 - 8.80)	2100 (450 - 3200)	3.33	1.99 + 1.99 + 1.99 + 2.52	8.50 (2.60 - 9.50)	2110 (460 - 2520)	4.03	

** RAM-70NP4E + RAK-35RPE + RAK-35RPE.



Indoor unit combinations

Standard multi-split

	RAM - 90NP5E	COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
1 unit*	15	1.50	1.50 (1.00 - 1.60)	420 (320 - 480)	3.57	2.00	2.00 (1.50 - 2.20)	620 (360 - 850)	3.23
	18	2.00	1.80 (1.70 - 2.00)	500 (320 - 610)	3.60	2.50	2.50 (2.00 - 3.00)	780 (360 - 920)	3.21
	25	2.50	2.50 (1.70 - 2.80)	700 (320 - 860)	3.57	3.40	3.40 (2.00 - 4.00)	1140 (360 - 1340)	2.98
	35	3.50	3.50 (1.70 - 3.90)	1040 (320 - 1270)	3.37	4.30	4.30 (2.00 - 5.20)	1420 (360 - 1720)	3.03
	42	4.20	4.20 (1.70 - 4.20)	1250 (320 - 1270)	3.36	5.20	4.30 (2.00 - 6.50)	1420 (360 - 1720)	3.66
	50	5.00	5.00 (1.70 - 5.50)	1540 (320 - 1860)	3.25	6.50	6.50 (2.00 - 7.30)	2300 (360 - 2580)	2.83
	60	6.00	6.00 (1.70 - 6.60)	1630 (320 - 1860)	3.68	7.50	7.50 (2.00 - 8.20)	2300 (360 - 2950)	3.26
2 units	15 + 15	1.50 + 1.50	3.00 (2.40 - 3.50)	850 (500 - 1020)	3.53	2.00 + 2.00	4.00 (2.70 - 4.50)	950 (500 - 1140)	4.21
	15 + 18	1.50 + 1.80	3.30 (2.40 - 3.80)	950 (500 - 1140)	3.47	2.00 + 2.50	4.50 (2.70 - 5.00)	1180 (500 - 1416)	3.81
	15 + 25	1.50 + 2.50	4.00 (2.40 - 4.50)	1250 (500 - 1500)	3.20	2.00 + 3.40	5.40 (2.70 - 5.90)	1320 (500 - 1584)	4.09
	15 + 35	1.50 + 3.50	5.00 (2.40 - 5.50)	1550 (500 - 1860)	3.23	2.00 + 4.30	6.30 (2.70 - 6.80)	1550 (500 - 1860)	4.06
	15 + 42	1.50 + 4.20	5.70 (2.40 - 7.00)	1600 (500 - 1860)	3.56	2.00 + 5.20	7.20 (2.70 - 8.0)	1850 (500 - 2560)	3.89
	15 + 50	1.50 + 5.00	6.50 (2.40 - 7.00)	2100 (500 - 2520)	3.10	2.00 + 6.50	8.50 (2.70 - 9.00)	2300 (500 - 2760)	3.70
	15 + 60	1.50 + 6.00	7.50 (2.40 - 7.00)	2100 (500 - 2520)	3.57	2.00 + 7.50	9.50 (2.70 - 10.0)	2300 (500 - 2760)	4.13
	18 + 18	1.80 + 1.80	3.60 (2.40 - 4.00)	970 (500 - 860)	3.71	2.50 + 2.50	5.00 (2.70 - 6.90)	1240 (500 - 1710)	4.03
	18 + 25	1.80 + 2.50	4.30 (2.40 - 4.70)	1000 (500 - 1190)	4.30	2.50 + 3.40	5.90 (2.70 - 7.70)	1530 (500 - 1990)	3.86
	18 + 35	1.80 + 3.50	5.30 (2.40 - 5.80)	1590 (500 - 1900)	3.33	2.50 + 4.30	6.80 (2.70 - 8.50)	1870 (500 - 2320)	3.64
	18 + 42	1.80 + 4.20	6.00 (2.40 - 5.80)	1850 (500 - 1900)	3.24	2.50 + 5.20	7.70 (2.70 - 10.00)	2200 (500 - 2880)	3.50
	18 + 50	1.80 + 5.00	6.80 (2.40 - 7.50)	2370 (450 - 2970)	2.87	2.50 + 6.50	9.00 (2.70 - 10.00)	2470 (500 - 2880)	3.64
	18 + 60	1.80 + 6.00	7.80 (2.40 - 8.50)	2370 (450 - 3120)	3.29	2.50 + 7.50	10.00 (2.70 - 10.00)	2470 (500 - 2880)	4.05
	25 + 25	2.50 + 2.50	5.00 (2.40 - 5.50)	1370 (500 - 1640)	3.65	3.40 + 3.40	6.80 (2.70 - 8.50)	1920 (500 - 2250)	3.54
	25 + 35	2.50 + 3.50	6.00 (2.40 - 6.60)	2000 (500 - 2400)	3.00	3.40 + 4.30	7.70 (2.70 - 9.20)	2280 (500 - 2590)	3.38
	25 + 42	2.50 + 4.20	6.70 (2.40 - 6.60)	2000 (500 - 3470)	3.35	3.40 + 5.20	8.60 (2.70 - 9.20)	2400 (500 - 3110)	3.58
	25 + 50	2.50 + 5.00	7.50 (2.40 - 7.00)	2580 (500 - 3470)	2.91	3.40 + 6.50	9.90 (2.70 - 10.50)	2720 (500 - 3110)	3.64
	25 + 60	2.50 + 6.00	8.50 (2.40 - 8.80)	2580 (500 - 3470)	3.29	3.12 + 6.88	10.00 (2.70 - 11.00)	2720 (500 - 3110)	3.68
	35 + 35	3.50 + 3.50	7.00 (2.40 - 7.70)	2490 (450 - 2990)	2.81	4.30 + 4.30	8.60 (2.70 - 10.00)	2460 (500 - 2860)	3.50
	35 + 42	3.50 + 4.20	7.70 (2.40 - 7.70)	2490 (500 - 2990)	3.09	4.30 + 5.20	9.50 (2.70 - 11.00)	2680 (500 - 3320)	3.54
	35 + 50	3.50 + 5.00	8.50 (2.40 - 8.80)	2900 (500 - 3270)	2.93	3.98 + 6.02	10.00 (2.70 - 11.00)	2940 (500 - 3320)	3.40
	35 + 60	3.13 + 5.37	8.50 (2.40 - 9.10)	2900 (500 - 3270)	2.93	3.64 + 6.36	10.00 (2.70 - 11.40)	2940 (500 - 3320)	3.40
	42 + 42	4.20 + 4.20	8.40 (2.40 - 8.80)	2490 (450 - 3270)	3.37	4.30 + 4.30	8.60 (2.70 - 11.00)	2460 (500 - 3200)	3.50
	42 + 50	3.88 + 4.62	8.50 (2.40 - 8.80)	2900 (450 - 3270)	2.93	4.30 + 5.20	9.50 (2.70 - 11.00)	2940 (500 - 3200)	3.23
42 + 60	3.50 + 5.00	8.50 (2.40 - 9.10)	2900 (450 - 3420)	2.93	3.98 + 6.02	10.00 (2.70 - 11.40)	2940 (500 - 3200)	3.40	
50 + 50	4.25 + 4.25	8.50 (2.40 - 9.20)	2900 (450 - 3460)	2.93	5.00 + 5.00	10.00 (2.70 - 11.40)	2940 (500 - 3200)	3.40	
50 + 60	3.86 + 4.64	8.50 (2.40 - 9.60)	2900 (450 - 3570)	2.93	4.44 + 5.56	10.00 (2.70 - 11.60)	2940 (500 - 3200)	3.40	
60 + 60	4.25 + 4.25	8.50 (2.40 - 9.90)	2900 (450 - 3870)	2.93	5.00 + 5.00	10.00 (2.70 - 12.10)	2940 (500 - 3200)	3.40	

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

Cooler lengths

RAM-90NP5E

$L1 + L2 + L3 + L4 + L5 = \text{Max. } 75 \text{ m}$;

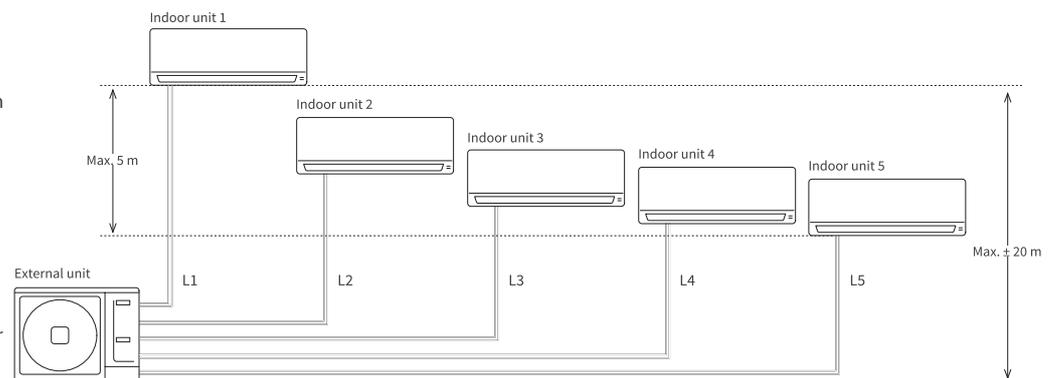
$L1 < 25 \text{ m}$; $L2 < 25 \text{ m}$;

$L3 < 25 \text{ m}$; $L4 < 25 \text{ m}$; $L5 < 25 \text{ m}$

The max. level difference between 2 indoor units is 5m.

Prefilled for 30 m. Beyond 30 m, allow an additional 15 g/m.

Always connect the most powerful indoor unit to the lowest connector. Connection 3 is intended for indoor units 18, 25 or 35, otherwise you need a 3/8-to-1/2 adapter.



RAM - 90NP5E		COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
3 units	15 + 15 + 15	1.50 + 1.50 + 1.50	4.50 (2.70 - 5.00)	1250 (510 - 1500)	3.60	2.00 + 2.00 + 2.00	6.00 (2.90 - 6.50)	1540 (520 - 1848)	3.90
	15 + 15 + 18	1.50 + 1.50 + 1.80	4.80 (2.70 - 5.30)	1350 (510 - 1620)	3.56	2.00 + 2.00 + 2.50	6.50 (2.90 - 7.00)	1800 (520 - 2160)	3.61
	15 + 15 + 25	1.50 + 1.50 + 2.50	5.50 (2.70 - 6.00)	1490 (510 - 1788)	3.69	2.00 + 2.00 + 3.40	7.40 (2.90 - 7.90)	2010 (520 - 2412)	3.68
	15 + 15 + 35	1.50 + 1.50 + 3.50	6.50 (2.70 - 7.00)	2100 (510 - 2678)	3.10	2.00 + 2.00 + 4.30	8.30 (2.90 - 8.80)	2420 (520 - 2904)	3.43
	15 + 15 + 42	1.50 + 1.50 + 4.20	7.20 (2.70 - 8.50)	2150 (510 - 2676)	3.35	2.00 + 2.00 + 5.20	9.20 (2.90 - 11.00)	2180 (520 - 1848)	4.22
	15 + 15 + 50	1.50 + 1.50 + 5.00	8.00 (2.70 - 8.50)	2230 (510 - 2676)	3.59	1.90 + 1.90 + 6.19	10.00 (2.90 - 11.00)	2730 (520 - 1848)	3.66
	15 + 15 + 60	1.42 + 1.42 + 5.67	8.50 (2.70 - 8.50)	2230 (510 - 2676)	3.81	1.74 + 1.74 + 6.52	10.00 (2.90 - 11.50)	2730 (520 - 1848)	3.66
	15 + 18 + 18	1.50 + 1.80 + 1.80	5.10 (2.70 - 5.60)	1350 (510 - 1620)	3.78	2.00 + 2.50 + 2.50	7.00 (2.90 - 7.50)	1880 (520 - 2280)	3.72
	15 + 18 + 25	1.50 + 1.80 + 2.50	5.80 (2.70 - 6.30)	1350 (510 - 1620)	4.30	2.00 + 2.50 + 3.40	7.90 (2.90 - 8.40)	2130 (520 - 2616)	3.71
	15 + 18 + 35	1.50 + 1.80 + 3.50	6.80 (2.70 - 7.30)	1850 (510 - 2844)	3.68	2.00 + 2.50 + 4.30	8.80 (2.90 - 9.30)	2350 (520 - 1848)	3.74
	15 + 18 + 42	1.50 + 1.80 + 4.20	7.50 (2.40 - 7.00)	1950 (510 - 2844)	3.85	2.00 + 2.50 + 5.20	9.70 (2.90 - 11.00)	2350 (520 - 3360)	4.13
	15 + 18 + 50	1.50 + 1.80 + 5.00	8.30 (2.70 - 8.80)	2230 (510 - 2844)	3.72	1.82 + 2.27 + 5.91	10.00 (2.90 - 11.50)	2850 (520 - 3360)	3.51
	15 + 18 + 60	1.37 + 1.65 + 5.48	8.50 (2.70 - 8.80)	2230 (510 - 2844)	3.81	1.67 + 2.08 + 6.25	10.00 (2.90 - 11.50)	2850 (520 - 3360)	3.51
	15 + 25 + 25	1.50 + 2.50 + 2.50	6.50 (2.70 - 7.00)	1800 (510 - 2520)	3.61	2.00 + 3.40 + 3.40	8.80 (2.90 - 9.30)	2350 (520 - 1848)	3.74
	15 + 25 + 35	1.50 + 2.50 + 3.50	7.50 (2.40 - 7.00)	2100 (510 - 3096)	3.57	2.00 + 3.40 + 4.30	9.70 (2.90 - 10.20)	2620 (520 - 1848)	3.70
	15 + 25 + 42	1.50 + 2.50 + 4.20	8.20 (2.70 - 9.50)	2200 (510 - 3360)	3.73	1.89 + 3.21 + 4.91	10.00 (2.70 - 11.00)	2620 (520 - 1848)	3.82
	15 + 25 + 50	1.42 + 2.36 + 4.72	8.50 (2.70 - 9.50)	2680 (510 - 3360)	3.17	1.68 + 2.86 + 5.46	10.00 (2.70 - 11.50)	2890 (520 - 3360)	3.46
	15 + 25 + 60	1.28 + 2.13 + 5.10	8.50 (2.70 - 9.50)	2680 (510 - 3360)	3.17	1.55 + 2.64 + 5.81	10.00 (2.70 - 11.50)	2890 (520 - 3360)	3.46
	15 + 35 + 35	1.50 + 3.50 + 3.50	8.50 (2.70 - 9.00)	2560 (510 - 3360)	3.32	1.89 + 4.06 + 4.06	10.00 (2.90 - 11.10)	2990 (520 - 3360)	3.34
	15 + 35 + 42	1.39 + 3.23 + 3.88	8.50 (2.70 - 9.50)	2560 (510 - 3216)	3.32	1.74 + 3.74 + 4.52	10.00 (2.90 - 11.10)	2990 (520 - 3360)	3.34
	15 + 35 + 50	1.28 + 2.98 + 4.25	8.50 (2.70 - 9.50)	2740 (510 - 3216)	3.10	1.56 + 3.36 + 5.08	10.00 (2.90 - 11.50)	2890 (520 - 3360)	3.46
	15 + 35 + 60	1.16 + 2.70 + 4.64	8.50 (2.70 - 9.50)	2740 (510 - 3216)	3.10	1.45 + 3.12 + 5.43	10.00 (2.90 - 11.50)	2890 (520 - 3360)	3.46
	15 + 42 + 42	1.29 + 3.61 + 3.61	8.50 (2.70 - 9.50)	2560 (510 - 3216)	3.32	1.61 + 4.19 + 4.19	10.00 (2.90 - 11.10)	2990 (520 - 3360)	3.34
	15 + 42 + 50	1.19 + 3.34 + 3.97	8.50 (2.70 - 9.50)	2740 (510 - 3216)	3.10	1.46 + 3.80 + 4.74	10.00 (2.90 - 11.50)	2890 (520 - 3360)	3.46
	15 + 42 + 60	1.09 + 3.05 + 4.36	8.50 (2.70 - 9.50)	2740 (510 - 3216)	3.10	1.36 + 3.54 + 5.10	10.00 (2.90 - 11.50)	2890 (520 - 3360)	3.46
	15 + 50 + 50	1.11 + 3.70 + 3.70	8.50 (2.70 - 9.50)	2740 (510 - 3216)	3.10	1.33 + 4.33 + 4.33	10.00 (2.90 - 11.50)	2890 (520 - 3360)	3.46
	15 + 50 + 60	1.02 + 3.40 + 4.08	8.50 (2.70 - 9.50)	2740 (510 - 3216)	3.10	1.25 + 4.06 + 4.69	10.00 (2.90 - 11.50)	2890 (520 - 3360)	3.46
	15 + 60 + 60	0.94 + 3.78 + 3.78	8.50 (2.70 - 9.50)	2740 (510 - 3288)	3.10	1.18 + 4.41 + 4.41	10.00 (2.90 - 11.50)	2890 (520 - 3360)	3.46
	18 + 18 + 18	1.80 + 1.80 + 1.80	5.40 (2.70 - 5.90)	1480 (510 - 1780)	3.65	2.50 + 2.50 + 2.50	7.50 (2.90 - 9.10)	2020 (520 - 2440)	3.71
	18 + 18 + 25	1.80 + 1.80 + 2.50	6.10 (2.70 - 6.70)	1780 (510 - 2150)	3.43	2.50 + 2.50 + 3.40	8.40 (2.90 - 9.50)	2210 (520 - 2620)	3.80
	18 + 18 + 35	1.80 + 1.80 + 3.50	7.10 (2.70 - 7.80)	1910 (510 - 2310)	3.72	2.50 + 2.50 + 4.29	9.30 (2.90 - 10.20)	2370 (520 - 2740)	3.92
	18 + 18 + 42	1.80 + 1.80 + 4.20	7.80 (2.70 - 7.80)	1910 (510 - 3260)	4.08	2.45 + 2.45 + 5.09	10.00 (2.90 - 10.20)	2370 (520 - 3060)	4.22
	18 + 18 + 50	1.78 + 1.78 + 4.94	8.50 (2.70 - 9.50)	2650 (510 - 3260)	3.21	2.17 + 2.17 + 5.64	10.00 (2.90 - 11.30)	2730 (520 - 3060)	3.66
	18 + 18 + 60	1.59 + 1.59 + 5.31	8.50 (2.70 - 9.90)	2650 (510 - 3270)	3.21	2.00 + 2.00 + 5.99	10.00 (2.90 - 11.60)	2730 (520 - 3060)	3.66
	18 + 25 + 25	1.80 + 2.50 + 2.50	6.80 (2.70 - 7.50)	1860 (510 - 2260)	3.66	2.49 + 3.41 + 3.41	9.30 (2.90 - 10.00)	2370 (520 - 2760)	3.92
	18 + 25 + 35	1.80 + 2.50 + 3.50	7.80 (2.7 - 8.6)	2190 (510 - 2660)	3.56	2.45 + 3.33 + 4.22	10.00 (2.90 - 10.70)	2530 (520 - 2880)	3.95
	18 + 25 + 42	1.80 + 2.50 + 4.20	8.50 (2.7 - 8.6)	2190 (510 - 3270)	3.88	2.25 + 3.06 + 4.68	10.00 (2.90 - 11.00)	2530 (520 - 3220)	3.95
	18 + 25 + 50	1.66 + 2.26 + 4.58	8.50 (2.70 - 9.90)	2550 (510 - 3270)	3.33	2.02 + 2.74 + 5.24	10.00 (2.90 - 11.60)	2890 (520 - 3220)	3.46
	18 + 25 + 60	1.50 + 2.04 + 4.96	8.50 (2.70 - 9.90)	2550 (510 - 3320)	3.33	1.87 + 2.54 + 5.60	10.00 (2.90 - 11.60)	2890 (520 - 3220)	3.46
	18 + 35 + 35	1.74 + 3.38 + 3.38	8.50 (2.70 - 9.70)	2600 (510 - 3260)	3.27	2.25 + 3.87 + 3.87	10.00 (2.90 - 11.60)	2750 (520 - 3060)	3.64
18 + 35 + 42	1.61 + 3.13 + 3.76	8.50 (2.70 - 9.70)	2600 (510 - 3320)	3.27	2.08 + 3.58 + 4.33	10.00 (2.90 - 11.60)	2750 (520 - 3330)	3.64	
18 + 35 + 50	1.47 + 2.88 + 4.16	8.50 (2.70 - 9.90)	2590 (510 - 3320)	3.28	1.88 + 3.23 + 4.90	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
18 + 35 + 60	1.33 + 2.62 + 4.54	8.50 (2.70 - 9.90)	2590 (510 - 3320)	3.28	1.75 + 3.01 + 5.25	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
18 + 42 + 42	1.50 + 3.50 + 3.50	8.50 (2.70 - 9.90)	2600 (510 - 3320)	3.27	2.25 + 3.87 + 3.87	10.00 (2.90 - 11.60)	2750 (520 - 3330)	3.64	
18 + 42 + 50	1.37 + 3.24 + 3.89	8.50 (2.70 - 9.90)	2590 (510 - 3320)	3.28	2.08 + 3.58 + 4.34	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
18 + 42 + 60	1.26 + 2.97 + 4.28	8.50 (2.70 - 9.90)	2590 (510 - 3320)	3.28	1.88 + 3.23 + 4.90	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
18 + 50 + 50	1.31 + 3.60 + 3.60	8.50 (2.70 - 9.90)	2590 (510 - 3320)	3.28	1.52 + 3.94 + 4.55	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
18 + 50 + 60	1.21 + 3.32 + 3.98	8.50 (2.70 - 9.90)	2590 (510 - 3280)	3.28	1.94 + 4.03 + 4.03	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34	
18 + 60 + 60	1.12 + 3.70 + 3.70	8.50 (2.70 - 9.90)	2590 (510 - 3320)	3.28	1.76 + 3.66 + 4.58	10.00 (2.90 - 12.10)	2990 (520 - 3330)	3.34	
25 + 25 + 25	2.50 + 2.50 + 2.50	7.50 (2.40 - 7.00)	2120 (510 - 2580)	3.54	3.33 + 3.33 + 3.33	10.00 (2.90 - 10.40)	2540 (520 - 2920)	3.94	
25 + 25 + 35	2.50 + 2.50 + 3.50	8.50 (2.70 - 9.4)	2560 (510 - 3110)	3.32	3.06 + 3.06 + 3.87	10.00 (2.90 - 11.20)	2730 (520 - 3070)	3.66	
25 + 25 + 42	2.31 + 2.31 + 3.88	8.50 (2.70 - 9.4)	2560 (510 - 3360)	3.32	2.83 + 2.83 + 4.33	10.00 (2.90 - 11.60)	2730 (520 - 3330)	3.66	
25 + 25 + 50	2.13 + 2.13 + 4.25	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.56 + 2.56 + 4.89	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
25 + 25 + 60	1.93 + 1.93 + 4.64	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.38 + 2.38 + 5.24	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	
25 + 35 + 35	2.23 + 3.13 + 3.13	8.50 (2.70 - 9.90)	2600 (510 - 3330)	3.27	2.83 + 3.58 + 3.58	10.00 (2.90 - 11.60)	2890 (520 - 3220)	3.46	
25 + 35 + 42	2.07 + 2.92 + 3.50	8.50 (2.70 - 9.90)	2600 (510 - 3350)	3.27	2.64 + 3.33 + 4.03	10.00 (2.90 - 11.60)	2890 (520 - 3330)	3.46	
25 + 35 + 50	1.93 + 2.69 + 3.87	8.50 (2.70 - 9.90)	2620 (510 - 3350)	3.24	2.39 + 3.02 + 4.59	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34	

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

Indoor unit combinations

Standard multi-split



	RAM - 90NP5E	COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
3 units	25 + 35 + 60	1.77 + 2.47 + 4.26	8.50 (2.70 - 9.90)	2620 (510 - 3350)	3.24	2.24 + 2.82 + 4.94	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	25 + 42 + 42	1.94 + 3.28 + 3.28	8.50 (2.70 - 9.90)	2600 (510 - 3360)	3.27	2.83 + 3.58 + 3.58	10.00 (2.90 - 11.70)	2890 (520 - 3330)	3.46
	25 + 42 + 50	1.82 + 3.04 + 3.64	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.64 + 3.32 + 4.04	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34
	25 + 42 + 60	1.67 + 2.80 + 4.03	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.39 + 3.02 + 4.59	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	25 + 50 + 50	1.70 + 3.40 + 3.40	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	1.95 + 3.74 + 4.31	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	25 + 50 + 60	1.57 + 3.15 + 3.78	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.46 + 3.77 + 3.77	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	25 + 60 + 60	1.47 + 3.52 + 3.52	8.50 (2.70 - 9.90)	2620 (510 - 3350)	3.24	2.25 + 3.44 + 4.30	10.00 (2.90 - 12.10)	2990 (520 - 3330)	3.34
	35 + 35 + 35	2.83 + 2.83 + 2.83	8.50 (2.70 - 9.90)	2600 (510 - 3320)	3.27	3.33 + 3.33 + 3.33	10.00 (2.90 - 11.60)	2990 (520 - 3330)	3.34
	35 + 35 + 42	2.66 + 2.66 + 3.19	8.50 (2.70 - 9.90)	2600 (510 - 3360)	3.27	3.12 + 3.12 + 3.77	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	35 + 35 + 50	2.50 + 2.50 + 3.49	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.85 + 2.87 + 4.25	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	35 + 35 + 60	2.31 + 2.31 + 3.87	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.67 + 2.69 + 4.61	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	35 + 42 + 42	2.50 + 3.00 + 3.00	8.50 (2.70 - 9.90)	2600 (510 - 3360)	3.27	2.93 + 3.54 + 3.54	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	35 + 42 + 50	2.36 + 2.83 + 3.30	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.69 + 3.27 + 4.01	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	35 + 42 + 60	2.19 + 2.63 + 3.67	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.53 + 3.08 + 4.36	10.00 (2.90 - 11.70)	2990 (520 - 3330)	3.34
	35 + 50 + 50	2.17 + 3.17 + 3.17	8.50 (2.70 - 9.90)	2620 (510 - 3360)	3.24	2.49 + 3.78 + 3.78	10.00 (2.90 - 12.10)	2990 (520 - 3330)	3.34
	35 + 50 + 60	2.02 + 2.95 + 3.54	8.50 (2.70 - 9.90)	2620 (510 - 3450)	3.24	2.35 + 3.57 + 4.12	10.00 (2.90 - 12.10)	2990 (520 - 3330)	3.34
	35 + 60 + 60	1.89 + 3.31 + 3.31	8.50 (2.70 - 9.90)	2620 (510 - 3450)	3.24	2.23 + 3.91 + 3.91	10.00 (2.90 - 12.10)	2990 (520 - 3330)	3.34
	42 + 42 + 42	2.80 + 2.85 + 2.85	8.50 (2.70 - 9.90)	2620 (510 - 3450)	3.24	3.33 + 3.35 + 3.35	10.00 (2.90 - 12.10)	2990 (520 - 3180)	3.34
	42 + 42 + 50	2.63 + 2.68 + 3.19	8.50 (2.70 - 9.90)	2620 (510 - 3450)	3.24	3.08 + 3.10 + 3.87	10.00 (2.90 - 12.10)	2990 (520 - 3180)	3.34
	42 + 42 + 60	2.45 + 2.50 + 3.56	8.50 (2.70 - 9.90)	2620 (510 - 3450)	3.24	2.91 + 2.93 + 4.21	10.00 (2.90 - 12.10)	2990 (520 - 3180)	3.34
42 + 50 + 50	2.48 + 3.01 + 3.01	8.50 (2.70 - 9.90)	2620 (510 - 3450)	3.24	2.91 + 2.93 + 4.21	10.00 (2.90 - 12.10)	2990 (520 - 3180)	3.34	
42 + 50 + 60	2.32 + 2.82 + 3.38	8.50 (2.70 - 9.90)	2620 (510 - 3450)	3.24	2.91 + 2.93 + 4.21	10.00 (2.90 - 12.10)	2990 (520 - 3180)	3.34	
50 + 50 + 50	2.83 + 2.83 + 2.83	8.50 (2.70 - 9.90)	2690 (510 - 3450)	3.16	3.33 + 3.33 + 3.33	10.00 (2.90 - 12.10)	2890 (520 - 3180)	3.46	
4 units	15 + 15 + 15 + 15	1.50 + 1.50 + 1.50 + 1.50	6.00 (2.90 - 6.50)	1580 (550 - 1620)	3.80	2.00 + 2.00 + 2.00 + 2.00	8.00 (3.00 - 8.50)	2000 (540 - 2652)	4.00
	15 + 15 + 15 + 18	1.50 + 1.50 + 1.50 + 1.80	6.30 (2.90 - 6.50)	1630 (550 - 1776)	3.87	2.00 + 2.00 + 2.00 + 2.50	8.50 (3.00 - 9.00)	2200 (540 - 2760)	3.86
	15 + 15 + 15 + 25	1.50 + 1.50 + 1.50 + 2.50	7.00 (2.90 - 7.50)	1780 (550 - 2136)	3.93	2.00 + 2.00 + 2.00 + 3.40	9.40 (3.00 - 9.90)	2390 (540 - 3036)	3.93
	15 + 15 + 15 + 35	1.50 + 1.50 + 1.50 + 3.50	8.00 (2.90 - 8.50)	2500 (550 - 3180)	3.20	1.94 + 1.94 + 1.94 + 4.17	10.00 (3.00 - 10.80)	2550 (540 - 3468)	3.92
	15 + 15 + 15 + 42	1.47 + 1.47 + 1.47 + 4.10	8.50 (2.90 - 8.50)	2600 (550 - 3180)	3.27	1.79 + 1.79 + 1.79 + 4.64	10.00 (3.00 - 11.50)	2550 (540 - 3360)	3.92
	15 + 15 + 15 + 50	1.34 + 1.34 + 1.34 + 4.47	8.50 (2.90 - 8.50)	2650 (550 - 3180)	3.21	1.60 + 1.60 + 1.60 + 5.20	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 15 + 60	1.21 + 1.21 + 1.21 + 4.86	8.50 (2.90 - 8.50)	2650 (550 - 3180)	3.21	1.48 + 1.48 + 1.48 + 5.56	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 18 + 18	1.50 + 1.50 + 1.80 + 1.80	6.60 (2.90 - 7.10)	1750 (550 - 2100)	3.77	2.00 + 2.00 + 2.50 + 2.50	9.00 (3.00 - 9.50)	2380 (540 - 3048)	3.78
	15 + 15 + 18 + 25	1.50 + 1.50 + 1.80 + 2.50	7.30 (2.90 - 7.80)	1850 (550 - 2220)	3.95	2.00 + 2.00 + 2.50 + 3.40	9.90 (3.00 - 10.40)	2530 (540 - 3144)	3.91
	15 + 15 + 18 + 35	1.50 + 1.50 + 1.80 + 3.50	8.30 (2.90 - 8.80)	2180 (550 - 2616)	3.81	1.85 + 1.85 + 2.31 + 3.98	10.00 (3.00 - 11.30)	2480 (540 - 3468)	4.03
	15 + 15 + 18 + 42	1.42 + 1.42 + 1.70 + 3.97	8.50 (2.90 - 8.50)	2350 (550 - 3120)	3.62	1.71 + 1.71 + 2.14 + 4.44	10.00 (3.00 - 11.30)	2480 (540 - 3360)	4.03
	15 + 15 + 18 + 50	1.30 + 1.30 + 1.56 + 4.34	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.54 + 1.54 + 1.92 + 5.00	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 18 + 60	1.18 + 1.18 + 1.42 + 4.72	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.43 + 1.43 + 1.79 + 5.36	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 25 + 25	1.50 + 1.50 + 2.50 + 2.50	8.00 (2.90 - 8.50)	2150 (550 - 2580)	3.72	1.85 + 1.85 + 3.15 + 3.15	10.00 (3.00 - 11.30)	2480 (540 - 3420)	4.03
	15 + 15 + 25 + 35	1.42 + 1.42 + 2.36 + 3.31	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.71 + 1.71 + 2.91 + 3.68	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 25 + 42	1.31 + 1.31 + 2.19 + 3.68	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.59 + 1.59 + 2.70 + 4.13	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 25 + 50	1.21 + 1.21 + 2.02 + 4.05	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.44 + 1.44 + 2.45 + 4.68	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 25 + 60	1.11 + 1.11 + 1.85 + 4.43	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.34 + 1.34 + 2.28 + 5.03	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 35 + 35	1.28 + 1.28 + 2.98 + 2.98	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.59 + 1.59 + 3.41 + 3.41	10.00 (3.00 - 11.30)	2890 (540 - 3480)	3.46
	15 + 15 + 35 + 42	1.19 + 1.19 + 2.78 + 3.34	8.50 (2.90 - 8.50)	2600 (550 - 3210)	3.27	1.48 + 1.48 + 3.19 + 3.85	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46
	15 + 15 + 35 + 50	1.11 + 1.11 + 2.59 + 3.70	8.50 (2.90 - 8.50)	2600 (550 - 3210)	3.27	1.35 + 1.35 + 2.91 + 4.39	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46
	15 + 15 + 35 + 60	1.02 + 1.02 + 2.38 + 4.08	8.50 (2.90 - 8.50)	2600 (550 - 3210)	3.27	1.27 + 1.27 + 2.72 + 4.75	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46
	15 + 15 + 42 + 42	1.12 + 1.12 + 3.13 + 3.13	8.50 (2.90 - 8.50)	2600 (550 - 3120)	3.27	1.59 + 1.59 + 3.41 + 3.41	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46
	15 + 15 + 42 + 50	1.05 + 1.05 + 2.93 + 3.48	8.50 (2.90 - 8.50)	2600 (550 - 3210)	3.27	1.48 + 1.48 + 3.19 + 3.85	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46
	15 + 15 + 42 + 60	0.97 + 0.97 + 2.70 + 3.86	8.50 (2.9 - 8.50)	2600 (550 - 3210)	3.27	1.35 + 1.35 + 2.91 + 4.39	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46
	15 + 15 + 50 + 50	0.98 + 0.98 + 3.27 + 3.27	8.50 (2.50 - 8.50)	2600 (550 - 3210)	3.27	1.39 + 1.39 + 3.61 + 3.61	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 50 + 60	0.91 + 0.91 + 3.04 + 3.64	8.50 (2.50 - 8.50)	2600 (550 - 3210)	3.27	1.27 + 1.27 + 3.31 + 4.14	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 15 + 60 + 60	0.85 + 0.85 + 3.40 + 3.40	8.50 (2.50 - 8.50)	2600 (550 - 3210)	3.27	1.27 + 1.27 + 3.31 + 4.14	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
15 + 18 + 18 + 18	1.50 + 1.80 + 1.80 + 1.80	6.90 (2.50 - 7.40)	2140 (550 - 2244)	3.22	2.00 + 2.50 + 2.50 + 2.50	9.50 (3.00 - 10.0)	2750 (540 - 3144)	3.45	
15 + 18 + 18 + 25	1.50 + 1.80 + 1.80 + 2.50	7.60 (2.50 - 8.10)	2140 (550 - 2568)	3.55	1.92 + 2.40 + 2.40 + 3.27	10.00 (3.00 - 10.90)	2750 (540 - 3468)	3.64	
15 + 18 + 18 + 35	1.48 + 1.78 + 1.78 + 3.46	8.50 (2.50 - 8.50)	2140 (550 - 3060)	3.97	1.77 + 2.21 + 2.21 + 3.81	10.00 (3.00 - 11.50)	2750 (540 - 3360)	3.64	

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

RAM - 90NP5E	COOLING MODE				HEATING MODE				
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
4 units	15 + 18 + 18 + 42	1.37 + 1.65 + 1.65 + 3.84	8.50 (2.50 - 8.50)	2550 (550 - 3120)	3.33	1.64 + 2.05 + 2.05 + 4.26	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 18 + 50	1.26 + 1.51 + 1.51 + 4.21	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.48 + 1.85 + 1.85 + 4.81	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 18 + 60	1.15 + 1.38 + 1.38 + 4.59	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.38 + 1.72 + 1.72 + 5.17	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 25 + 25	1.50 + 1.80 + 2.50 + 2.50	8.30 (2.50 - 8.3)	2740 (550 - 3288)	3.03	1.77 + 2.21 + 3.01 + 3.01	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 25 + 35	1.37 + 1.65 + 2.28 + 3.20	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.64 + 2.05 + 2.79 + 3.52	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 25 + 42	1.28 + 1.53 + 2.13 + 3.57	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.53 + 1.91 + 2.60 + 3.97	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 25 + 50	1.18 + 1.42 + 1.97 + 3.94	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.39 + 1.74 + 2.36 + 4.51	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 25 + 60	1.08 + 1.30 + 1.80 + 4.32	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.30 + 1.62 + 2.21 + 4.87	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 35 + 35	1.24 + 1.49 + 2.89 + 2.89	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.53 + 1.91 + 3.28 + 3.28	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 35 + 42	1.16 + 1.39 + 2.70 + 3.25	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.43 + 1.79 + 3.07 + 3.71	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 35 + 50	1.08 + 1.30 + 2.52 + 3.60	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.31 + 1.63 + 2.81 + 4.25	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 18 + 35 + 60	1.00 + 1.20 + 2.32 + 3.98	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.23 + 1.53 + 2.64 + 4.60	10.00 (3.00 - 11.30)	2890 (540 - 3360)	3.46
	15 + 18 + 42 + 42	1.09 + 1.31 + 3.05 + 3.05	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.53 + 1.91 + 3.28 + 3.28	10.00 (3.00 - 10.50)	2800 (540 - 3360)	3.57
	15 + 18 + 42 + 50	1.02 + 1.22 + 2.86 + 3.40	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.43 + 1.79 + 3.07 + 3.71	10.00 (3.00 - 10.50)	2800 (540 - 3360)	3.57
	15 + 18 + 42 + 60	0.94 + 1.13 + 2.64 + 3.78	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.31 + 1.63 + 2.81 + 4.25	10.00 (3.00 - 10.50)	2800 (540 - 3360)	3.57
	15 + 18 + 50 + 50	0.96 + 1.15 + 3.20 + 3.20	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.34 + 1.68 + 3.49 + 3.49	10.00 (3.00 - 10.50)	#N/A	#N/A
	15 + 18 + 50 + 60	0.89 + 1.07 + 2.97 + 3.57	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.23 + 1.54 + 3.21 + 4.01	10.00 (3.00 - 10.50)	2800 (540 - 3360)	3.57
	15 + 18 + 60 + 60	0.83 + 1.00 + 3.33 + 3.33	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.14 + 1.43 + 3.71 + 3.71	10.00 (3.00 - 10.50)	2800 (540 - 3360)	3.57
	15 + 25 + 25 + 25	1.42 + 2.36 + 2.36 + 2.36	8.50 (2.50 - 8.50)	2600 (550 - 3132)	3.27	1.64 + 2.79 + 2.79 + 2.79	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 25 + 35	1.28 + 2.13 + 2.13 + 2.98	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.53 + 2.60 + 2.60 + 3.28	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 25 + 42	1.19 + 1.99 + 1.99 + 3.34	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.43 + 2.43 + 2.43 + 3.71	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 25 + 50	1.11 + 1.85 + 1.85 + 3.70	8.50 concrete pipe (TBA)	2600 (550 - 3120)	3.27	1.31 + 2.22 + 2.22 + 4.25	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 25 + 60	1.02 + 1.70 + 1.70 + 4.08	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.23 + 2.09 + 2.09 + 4.60	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 35 + 35	1.16 + 1.93 + 2.70 + 2.70	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.43 + 2.43 + 3.07 + 3.07	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 35 + 42	1.09 + 1.82 + 2.54 + 3.05	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.34 + 2.28 + 2.89 + 3.49	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 35 + 50	1.02 + 1.70 + 2.38 + 3.40	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.23 + 2.10 + 2.65 + 4.01	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 35 + 60	0.94 + 1.57 + 2.20 + 3.78	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.16 + 1.98 + 2.50 + 4.36	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 42 + 42	1.03 + 1.71 + 2.88 + 2.88	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.27 + 2.15 + 3.29 + 3.29	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 42 + 50	0.97 + 1.61 + 2.70 + 3.22	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.17 + 1.99 + 3.04 + 3.80	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 42 + 60	0.90 + 1.50 + 2.51 + 3.59	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.10 + 1.88 + 2.87 + 4.14	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 50 + 50	0.91 + 1.52 + 3.04 + 3.04	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.09 + 1.85 + 3.53 + 3.53	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 25 + 50 + 60	0.85 + 1.42 + 2.83 + 3.40	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.03 + 1.75 + 3.35 + 3.87	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 35 + 35	1.06 + 2.48 + 2.48 + 2.48	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.34 + 2.89 + 2.89 + 2.89	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 35 + 42	1.00 + 2.34 + 2.34 + 2.81	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.27 + 2.72 + 2.72 + 3.29	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 35 + 50	0.94 + 2.20 + 2.20 + 3.15	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.17 + 2.51 + 2.51 + 3.80	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 35 + 60	0.88 + 2.05 + 2.05 + 3.52	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.10 + 2.38 + 2.38 + 4.14	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 42 + 42	0.95 + 2.22 + 2.66 + 2.66	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.20 + 2.57 + 3.11 + 3.11	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 42 + 50	0.90 + 2.10 + 2.51 + 2.99	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.11 + 2.39 + 2.89 + 3.61	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 42 + 60	0.84 + 1.96 + 2.35 + 3.36	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.05 + 2.26 + 2.74 + 3.95	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 35 + 50 + 50	0.85 + 1.98 + 2.83 + 2.83	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.04 + 2.23 + 3.37 + 3.37	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 42 + 42 + 42	0.90 + 2.53 + 2.53 + 2.53	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.14 + 2.95 + 2.95 + 2.95	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
	15 + 42 + 42 + 50	0.86 + 2.40 + 2.40 + 2.85	8.50 (2.50 - 8.50)	2600 (550 - 3120)	3.27	1.06 + 2.75 + 2.75 + 3.44	10.00 (3.00 - 11.50)	2890 (540 - 3360)	3.46
18 + 18 + 18 + 18	1.80 + 1.80 + 1.80 + 1.80	7.20 (2.90 - 7.90)	2330 (550 - 2292)	3.09	2.50 + 2.50 + 2.50 + 2.50	10.00 (3.00 - 10.90)	2400 (540 - 2720)	4.17	
18 + 18 + 18 + 25	1.80 + 1.80 + 1.80 + 2.50	7.90 (2.90 - 8.70)	2380 (550 - 3120)	3.32	2.29 + 2.29 + 2.29 + 3.12	10.00 (3.00 - 11.10)	2700 (540 - 3050)	3.70	
18 + 18 + 18 + 35	1.72 + 1.72 + 1.72 + 3.34	8.50 (2.90 - 9.80)	2630 (550 - 3120)	3.23	2.12 + 2.12 + 2.12 + 3.64	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 18 + 42	1.59 + 1.59 + 1.59 + 3.72	8.50 (2.90 - 9.80)	2640 (550 - 3260)	3.22	1.97 + 1.97 + 1.97 + 4.09	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 18 + 50	1.46 + 1.46 + 1.46 + 4.11	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.79 + 1.78 + 1.78 + 4.66	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 18 + 60	1.33 + 1.33 + 1.33 + 4.49	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.67 + 1.66 + 1.66 + 5.02	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 25 + 25	1.78 + 1.78 + 2.47 + 2.47	8.50 (2.90 - 9.50)	2690 (550 - 3040)	3.16	2.12 + 2.12 + 2.88 + 2.88	10.00 (3.00 - 11.20)	2700 (540 - 3020)	3.70	
18 + 18 + 25 + 35	1.59 + 1.59 + 2.21 + 3.10	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.97 + 1.97 + 2.68 + 3.39	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 25 + 42	1.49 + 1.49 + 2.06 + 3.47	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.84 + 1.84 + 2.50 + 3.82	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 25 + 50	1.37 + 1.37 + 1.90 + 3.88	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.68 + 1.67 + 2.27 + 4.41	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 25 + 60	1.25 + 1.25 + 1.75 + 4.26	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.57 + 1.56 + 2.13 + 4.77	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 35 + 35	1.44 + 1.44 + 2.81 + 2.81	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.84 + 1.84 + 3.16 + 3.16	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 35 + 42	1.35 + 1.35 + 2.63 + 3.16	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.72 + 1.72 + 2.97 + 3.59	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 35 + 50	1.27 + 1.27 + 2.46 + 3.49	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.58 + 1.59 + 2.72 + 4.09	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 18 + 35 + 60	1.18 + 1.18 + 2.27 + 3.87	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.49 + 1.50 + 2.56 + 4.44	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

Indoor unit combinations

Standard multi-split



RAM - 90NP5E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
18 + 18 + 42 + 42	1.28 + 1.28 + 2.98 + 2.98	8.50 (2.90 - 9.90)	2390 (550 - 3230)	3.56	1.62 + 1.62 + 3.38 + 3.38	10.00 (3.00 - 11.60)	2700 (540 - 3020)	3.70	
18 + 18 + 42 + 50	1.21 + 1.21 + 2.79 + 3.30	8.50 (2.90 - 9.90)	2390 (550 - 3230)	3.56	1.50 + 1.51 + 3.11 + 3.87	10.00 (3.00 - 11.60)	2700 (540 - 3020)	3.70	
18 + 18 + 42 + 60	1.12 + 1.12 + 2.59 + 3.68	8.50 (2.90 - 9.90)	2390 (550 - 3230)	3.56	1.41 + 1.42 + 2.94 + 4.22	10.00 (3.00 - 11.60)	2700 (540 - 3020)	3.70	
18 + 18 + 50 + 50	1.14 + 1.14 + 3.12 + 3.12	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.39 + 1.40 + 3.60 + 3.60	10.00 (3.00 - 11.60)	2700 (540 - 3020)	3.70	
18 + 18 + 50 + 60	1.06 + 1.06 + 2.90 + 3.48	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.32 + 1.33 + 3.41 + 3.94	10.00 (3.00 - 12.10)	2700 (540 - 3020)	3.70	
18 + 25 + 25 + 25	1.68 + 2.28 + 2.28 + 2.28	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.97 + 2.70 + 2.70 + 2.62	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 25 + 35	1.52 + 2.08 + 2.08 + 2.83	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.84 + 2.52 + 2.52 + 3.10	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 25 + 42	1.42 + 1.92 + 1.92 + 3.24	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.72 + 2.33 + 2.33 + 3.58	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 25 + 50	1.33 + 1.79 + 1.79 + 3.59	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.58 + 2.14 + 2.14 + 4.10	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 25 + 60	1.23 + 1.65 + 1.65 + 3.97	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.49 + 2.01 + 2.01 + 4.45	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 35 + 35	1.32 + 1.89 + 2.64 + 2.64	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.72 + 2.35 + 2.98 + 2.98	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 35 + 42	1.25 + 1.78 + 2.49 + 2.99	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.62 + 2.22 + 2.80 + 3.39	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 35 + 50	1.23 + 1.65 + 2.31 + 3.30	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.50 + 2.03 + 2.56 + 3.87	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 35 + 60	1.14 + 1.53 + 2.15 + 3.68	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.41 + 1.91 + 2.42 + 4.22	10.00 (3.00 - 11.40)	2700 (540 - 3020)	3.70	
18 + 25 + 42 + 42	1.22 + 1.65 + 2.81 + 2.81	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.53 + 2.07 + 3.19 + 3.19	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 25 + 42 + 50	1.15 + 1.55 + 2.64 + 3.15	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.42 + 1.91 + 2.95 + 3.69	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 25 + 42 + 60	1.08 + 1.45 + 2.46 + 3.52	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.34 + 1.81 + 2.80 + 4.03	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 25 + 50 + 50	1.09 + 1.47 + 2.97 + 2.97	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.32 + 1.78 + 3.44 + 3.44	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 25 + 50 + 60	1.02 + 1.37 + 2.78 + 3.33	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.26 + 1.69 + 3.27 + 3.77	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 35 + 35 + 35	1.21 + 2.43 + 2.43 + 2.43	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.62 + 2.80 + 2.80 + 2.80	10.00 (3.00 - 12.10)	2700 (540 - 3020)	3.70	
18 + 35 + 35 + 42	1.15 + 2.30 + 2.30 + 2.76	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.53 + 2.65 + 2.65 + 3.20	10.00 (3.00 - 12.10)	2700 (540 - 3080)	3.70	
18 + 35 + 35 + 50	1.14 + 2.15 + 2.15 + 3.06	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.42 + 2.43 + 2.43 + 3.67	10.00 (3.00 - 12.10)	2700 (540 - 3080)	3.70	
18 + 35 + 35 + 60	1.06 + 2.00 + 2.00 + 3.43	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.34 + 2.30 + 2.30 + 4.01	10.00 (3.00 - 12.10)	2700 (540 - 3080)	3.70	
18 + 35 + 42 + 42	1.14 + 2.15 + 2.61 + 2.61	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.45 + 2.48 + 3.02 + 3.02	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 35 + 42 + 50	1.08 + 2.03 + 2.46 + 2.93	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.35 + 2.30 + 2.81 + 3.51	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 35 + 42 + 60	1.01 + 1.90 + 2.30 + 3.29	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.28 + 2.19 + 2.67 + 3.85	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
4 units 18 + 35 + 50 + 50	1.02 + 1.92 + 2.78 + 2.78	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.26 + 2.15 + 3.28 + 3.28	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 42 + 42 + 42	1.08 + 2.46 + 2.48 + 2.48	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.38 + 2.85 + 2.87 + 2.87	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
18 + 42 + 42 + 50	1.03 + 2.33 + 2.35 + 2.80	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.21 + 2.49 + 3.14 + 3.14	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
25 + 25 + 25 + 25	2.13 + 2.13 + 2.13 + 2.13	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.50 + 2.50 + 2.50 + 2.50	10.00 (3.00 - 11.4)	2700 (540 - 3020)	3.70	
25 + 25 + 25 + 35	1.93 + 1.93 + 1.93 + 2.69	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.34 + 2.34 + 2.34 + 2.96	10.00 (3.00 - 11.4)	2700 (540 - 3010)	3.70	
25 + 25 + 25 + 42	1.82 + 1.82 + 1.82 + 3.04	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.21 + 2.21 + 2.21 + 3.37	10.00 (3.00 - 11.4)	2700 (540 - 3010)	3.70	
25 + 25 + 25 + 50	1.70 + 1.70 + 1.70 + 3.40	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.04 + 2.04 + 2.04 + 3.89	10.00 (3.00 - 11.60)	2700 (540 - 3010)	3.70	
25 + 25 + 25 + 60	1.57 + 1.57 + 1.57 + 3.78	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	1.92 + 1.92 + 1.92 + 4.24	10.00 (3.00 - 11.60)	2700 (540 - 3010)	3.70	
25 + 25 + 35 + 35	1.77 + 1.77 + 2.47 + 2.47	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.21 + 2.21 + 2.78 + 2.78	10.00 (3.00 - 11.4)	2700 (540 - 3020)	3.70	
25 + 25 + 35 + 42	1.67 + 1.67 + 2.33 + 2.80	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	2.09 + 2.09 + 2.63 + 3.18	10.00 (3.00 - 12.10)	2700 (540 - 3010)	3.70	
25 + 25 + 35 + 50	1.57 + 1.57 + 2.20 + 3.15	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	1.93 + 1.93 + 2.44 + 3.69	10.00 (3.00 - 12.10)	2700 (540 - 3010)	3.70	
25 + 25 + 35 + 60	1.47 + 1.47 + 2.05 + 3.52	8.50 (2.90 - 9.90)	2370 (550 - 3260)	3.59	1.83 + 1.83 + 2.31 + 4.03	10.00 (3.00 - 12.10)	2700 (540 - 3010)	3.70	
25 + 25 + 42 + 42	1.59 + 1.59 + 2.65 + 2.65	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.98 + 1.98 + 3.01 + 3.01	10.00 (3.00 - 12.10)	2700 (540 - 2890)	3.70	
25 + 25 + 42 + 50	1.50 + 1.50 + 2.51 + 2.99	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.93 + 1.93 + 2.44 + 3.69	10.00 (3.00 - 12.10)	2700 (540 - 2890)	3.70	
25 + 25 + 42 + 60	1.40 + 1.40 + 2.35 + 3.36	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.83 + 1.83 + 2.31 + 4.03	10.00 (3.00 - 12.10)	2700 (540 - 2890)	3.70	
25 + 25 + 50 + 50	1.42 + 1.42 + 2.83 + 2.83	8.50 (2.90 - 9.90)	2370 (550 - 3230)	3.59	1.72 + 1.72 + 3.28 + 3.28	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
25 + 35 + 35 + 35	1.64 + 2.29 + 2.29 + 2.29	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	2.09 + 2.64 + 2.64 + 2.64	10.00 (3.00 - 11.60)	2700 (540 - 3010)	3.70	
25 + 35 + 35 + 42	1.56 + 2.17 + 2.17 + 2.61	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.98 + 2.50 + 2.50 + 3.02	10.00 (3.00 - 12.10)	2700 (540 - 2890)	3.70	
25 + 35 + 35 + 50	1.48 + 2.05 + 2.05 + 2.93	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.84 + 2.32 + 2.32 + 3.51	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
25 + 35 + 35 + 60	1.38 + 1.92 + 1.92 + 3.29	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.74 + 2.21 + 2.21 + 3.85	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
25 + 35 + 42 + 42	1.49 + 2.07 + 2.48 + 2.48	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.88 + 2.38 + 2.87 + 2.87	10.00 (3.00 - 12.10)	2700 (540 - 2890)	3.70	
25 + 35 + 42 + 50	1.41 + 1.96 + 2.35 + 2.80	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.75 + 2.22 + 2.68 + 3.35	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
25 + 42 + 42 + 42	1.42 + 2.36 + 2.36 + 2.36	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	1.75 + 2.22 + 2.68 + 3.35	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
35 + 35 + 35 + 35	2.13 + 2.13 + 2.13 + 2.13	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	2.50 + 2.50 + 2.50 + 2.50	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
35 + 35 + 35 + 42	2.02 + 2.02 + 2.02 + 2.43	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	2.38 + 2.38 + 2.38 + 2.87	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
35 + 35 + 35 + 50	1.92 + 1.92 + 1.92 + 2.74	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	2.22 + 2.22 + 2.22 + 3.35	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	
35 + 35 + 42 + 42	1.93 + 1.93 + 2.32 + 2.32	8.50 (2.90 - 9.90)	2390 (550 - 3260)	3.56	2.22 + 2.22 + 2.22 + 3.35	10.00 (3.00 - 12.10)	2630 (540 - 2890)	3.80	

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

RAM - 90NP5E	COOLING MODE				HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
15 + 15 + 15 + 15 + 15	1.50 + 1.50 + 1.50 + 1.50 + 1.50	7.50 (2.40 - 7.00)	2200 (550 - 2800)	3.41	2.00 + 2.00 + 2.00 + 2.00 + 2.00	10.00 (3.40 - 10.50)	2350 (610 - 2820)	4.26
15 + 15 + 15 + 15 + 18	1.50 + 1.50 + 1.50 + 1.50 + 1.80	7.80 (2.70 - 8.60)	2280 (550 - 2800)	3.42	1.90 + 1.90 + 1.90 + 1.90 + 2.38	10.00 (3.40 - 11.00)	2360 (610 - 2832)	4.24
15 + 15 + 15 + 15 + 25	1.50 + 1.50 + 1.50 + 1.50 + 2.50	8.50 (2.90 - 9.90)	2330 (550 - 2800)	3.65	1.75 + 1.75 + 1.75 + 1.75 + 2.98	10.00 (3.40 - 11.50)	2400 (610 - 2880)	4.17
15 + 15 + 15 + 15 + 35	1.34 + 1.34 + 1.34 + 1.34 + 3.13	8.50 (2.90 - 9.90)	2590 (550 - 3260)	3.28	1.63 + 1.63 + 1.63 + 1.63 + 3.50	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 15 + 42	1.25 + 1.25 + 1.25 + 1.25 + 3.50	8.50 (2.90 - 9.90)	2590 (550 - 3260)	3.28	1.52 + 1.52 + 1.52 + 1.52 + 3.94	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 15 + 50	1.16 + 1.16 + 1.16 + 1.16 + 3.86	8.50 (2.90 - 9.90)	2590 (550 - 3260)	3.28	1.38 + 1.38 + 1.38 + 1.38 + 4.48	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 15 + 60	1.06 + 1.06 + 1.06 + 1.06 + 4.25	8.50 (2.90 - 9.90)	2590 (550 - 3260)	3.28	1.29 + 1.29 + 1.29 + 1.29 + 4.84	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 18 + 18	1.50 + 1.50 + 1.50 + 1.80 + 1.80	8.10 concrete pipe (TBA)	2150 (550 - 2292)	3.77	1.82 + 1.82 + 1.82 + 2.27 + 2.27	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 18 + 25	1.45 + 1.45 + 1.45 + 1.74 + 2.41	8.50 (2.90 - 9.90)	2200 (550 - 2292)	3.86	1.68 + 1.68 + 1.68 + 2.10 + 2.86	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 18 + 35	1.30 + 1.30 + 1.30 + 1.56 + 3.04	8.50 (2.90 - 9.90)	2620 (550 - 3260)	3.24	1.56 + 1.56 + 1.56 + 1.95 + 3.36	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 18 + 42	1.21 + 1.21 + 1.21 + 1.46 + 3.40	8.50 (2.90 - 9.90)	2620 (550 - 3260)	3.24	1.46 + 1.46 + 1.46 + 1.82 + 3.80	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 18 + 50	1.13 + 1.13 + 1.13 + 1.35 + 3.76	8.50 (2.90 - 9.90)	2620 (550 - 3260)	3.24	1.33 + 1.33 + 1.33 + 1.67 + 4.33	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 18 + 60	1.04 + 1.04 + 1.04 + 1.24 + 4.15	8.50 (2.90 - 9.90)	2680 (550 - 3260)	3.17	1.25 + 1.25 + 1.25 + 1.56 + 4.69	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 25 + 25	1.34 + 1.34 + 1.34 + 2.24 + 2.24	8.50 (2.90 - 9.90)	2480 (550 - 3260)	3.43	1.56 + 1.56 + 1.56 + 2.66 + 2.66	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 25 + 35	1.21 + 1.21 + 1.21 + 2.02 + 2.83	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.46 + 1.46 + 1.46 + 2.48 + 3.14	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 25 + 42	1.14 + 1.14 + 1.14 + 1.90 + 3.19	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.37 + 1.37 + 1.37 + 2.33 + 3.56	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 25 + 50	1.06 + 1.06 + 1.06 + 1.77 + 3.54	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.26 + 1.26 + 1.26 + 2.14 + 4.09	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 25 + 60	0.98 + 0.98 + 0.98 + 1.63 + 3.92	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.18 + 1.18 + 1.18 + 2.01 + 4.44	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 35 + 35	1.11 + 1.11 + 1.11 + 2.59 + 2.59	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.37 + 1.37 + 1.37 + 2.95 + 2.95	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 35 + 42	1.05 + 1.05 + 1.05 + 2.44 + 2.93	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.29 + 1.29 + 1.29 + 2.77 + 3.35	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 35 + 50	0.98 + 0.98 + 0.98 + 2.29 + 3.27	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.19 + 1.19 + 1.19 + 2.56 + 3.87	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 35 + 60	0.91 + 0.91 + 0.91 + 2.13 + 3.64	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.12 + 1.12 + 1.12 + 2.42 + 4.21	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 42 + 42	0.99 + 0.99 + 0.99 + 2.77 + 2.77	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.22 + 1.22 + 1.22 + 3.17 + 3.17	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 42 + 50	0.93 + 0.93 + 0.93 + 2.61 + 3.10	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.13 + 1.13 + 1.13 + 2.94 + 3.67	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 42 + 60	0.87 + 0.87 + 0.87 + 2.43 + 3.47	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.07 + 1.07 + 1.07 + 2.78 + 4.01	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 50 + 50	0.88 + 0.88 + 0.88 + 2.93 + 2.93	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.05 + 1.05 + 1.05 + 3.42 + 3.42	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 15 + 50 + 60	0.82 + 0.82 + 0.82 + 2.74 + 3.29	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.00 + 1.00 + 1.00 + 3.25 + 3.75	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 18 + 18	1.50 + 1.50 + 1.80 + 1.80 + 1.80	8.40 concrete pipe (TBA)	2180 (550 - 2292)	3.85	1.74 + 1.74 + 2.17 + 2.17 + 2.17	10.00 (3.40 - 11.50)	2460 concrete pipe (TBA)	4.07
15 + 15 + 18 + 18 + 25	1.40 + 1.40 + 1.68 + 1.68 + 2.34	8.50 (2.90 - 9.90)	2490 (550 - 3260)	3.41	1.61 + 1.61 + 2.02 + 2.02 + 2.74	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 18 + 35	1.26 + 1.26 + 1.51 + 1.51 + 2.95	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.50 + 1.50 + 1.88 + 1.88 + 3.23	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 18 + 42	1.18 + 1.18 + 1.42 + 1.42 + 3.31	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.41 + 1.41 + 1.76 + 1.76 + 3.66	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 18 + 50	1.10 + 1.10 + 1.32 + 1.32 + 3.66	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.29 + 1.29 + 1.61 + 1.61 + 4.19	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 18 + 60	1.01 + 1.01 + 1.21 + 1.21 + 4.05	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.21 + 1.21 + 1.52 + 1.52 + 4.55	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 25 + 25	1.30 + 1.30 + 1.56 + 2.17 + 2.17	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.50 + 1.50 + 1.88 + 2.56 + 2.56	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 25 + 35	1.18 + 1.18 + 1.42 + 1.97 + 2.75	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.41 + 1.41 + 1.76 + 2.39 + 3.03	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 25 + 42	1.11 + 1.11 + 1.33 + 1.85 + 3.10	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.32 + 1.32 + 1.66 + 2.25 + 3.44	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 25 + 50	1.04 + 1.04 + 1.24 + 1.73 + 3.46	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.22 + 1.22 + 1.52 + 2.07 + 3.96	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 25 + 60	0.96 + 0.96 + 1.15 + 1.60 + 3.83	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.15 + 1.15 + 1.44 + 1.95 + 4.31	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 35 + 35	1.08 + 1.08 + 1.30 + 2.52 + 2.52	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.32 + 1.32 + 1.66 + 2.85 + 2.85	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 35 + 42	1.02 + 1.02 + 1.22 + 2.38 + 2.86	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.25 + 1.25 + 1.56 + 2.69 + 3.25	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 35 + 50	0.96 + 0.96 + 1.15 + 2.24 + 3.20	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.16 + 1.16 + 1.45 + 2.49 + 3.76	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 35 + 60	0.89 + 0.89 + 1.07 + 2.08 + 3.57	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.09 + 1.09 + 1.37 + 2.35 + 4.10	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 42 + 42	0.97 + 0.97 + 1.16 + 2.70 + 2.70	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.18 + 1.18 + 1.48 + 3.08 + 3.08	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 42 + 50	0.91 + 0.91 + 1.09 + 2.55 + 3.04	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.10 + 1.10 + 1.37 + 2.86 + 3.57	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 42 + 60	0.85 + 0.85 + 1.02 + 2.38 + 3.40	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.04 + 1.04 + 1.30 + 2.71 + 3.91	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 18 + 50 + 50	0.86 + 0.86 + 1.03 + 2.87 + 2.87	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.03 + 1.03 + 1.28 + 3.33 + 3.33	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 25 + 25	1.21 + 1.21 + 2.02 + 2.02 + 2.02	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.41 + 1.41 + 2.39 + 2.39 + 2.39	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 25 + 35	1.11 + 1.11 + 1.85 + 1.85 + 2.59	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.32 + 1.32 + 2.25 + 2.25 + 2.85	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 25 + 42	1.05 + 1.05 + 1.74 + 1.74 + 2.93	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.25 + 1.25 + 2.13 + 2.13 + 3.25	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 25 + 50	0.98 + 0.98 + 1.63 + 1.63 + 3.27	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.16 + 1.16 + 1.97 + 1.97 + 3.76	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 25 + 60	0.91 + 0.91 + 1.52 + 1.52 + 3.64	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.09 + 1.09 + 1.86 + 1.86 + 4.10	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 35 + 35	1.02 + 1.02 + 1.70 + 2.38 + 2.38	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.25 + 1.25 + 2.13 + 2.69 + 2.69	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 35 + 42	0.97 + 0.97 + 1.61 + 2.25 + 2.70	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.18 + 1.18 + 2.01 + 2.54 + 3.08	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 35 + 50	0.91 + 0.91 + 1.52 + 2.13 + 3.04	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.10 + 1.10 + 1.87 + 2.36 + 3.57	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 35 + 60	0.85 + 0.85 + 1.42 + 1.98 + 3.40	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.04 + 1.04 + 1.77 + 2.24 + 3.91	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 42 + 42	0.92 + 0.92 + 1.53 + 2.57 + 2.57	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.12 + 1.12 + 1.91 + 2.92 + 2.92	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 25 + 42 + 50	0.87 + 0.87 + 1.45 + 2.43 + 2.89	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.05 + 1.05 + 1.78 + 2.72 + 3.40	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

Indoor unit combinations

Standard multi-split



RAM - 90NP5E	COOLING MODE				HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
15 + 15 + 25 + 50 + 50	0.82 + 0.82 + 1.37 + 2.74 + 2.74	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	0.98 + 0.98 + 1.67 + 3.19 + 3.19	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 35 + 35 + 35	0.94 + 0.94 + 2.20 + 2.20 + 2.20	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.18 + 1.18 + 2.54 + 2.54 + 2.54	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 35 + 35 + 42	0.90 + 0.90 + 2.10 + 2.10 + 2.51	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.12 + 1.12 + 2.42 + 2.42 + 2.92	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 35 + 35 + 50	0.85 + 0.85 + 1.98 + 1.98 + 2.83	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.05 + 1.05 + 2.25 + 2.25 + 3.40	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 15 + 35 + 42 + 42	0.86 + 0.86 + 2.00 + 2.40 + 2.40	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.05 + 1.05 + 2.25 + 2.25 + 3.40	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 18 + 18	1.47 + 1.76 + 1.76 + 1.76 + 1.76	8.50 (2.90 - 9.90)	2530 (550 - 3260)	3.36	1.67 + 2.08 + 2.08 + 2.08 + 2.08	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 18 + 25	1.36 + 1.63 + 1.63 + 1.63 + 2.26	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.55 + 1.94 + 1.94 + 1.94 + 2.64	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 18 + 35	1.23 + 1.47 + 1.47 + 1.47 + 2.86	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.45 + 1.81 + 1.81 + 1.81 + 3.12	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 18 + 42	1.15 + 1.38 + 1.38 + 1.38 + 3.22	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.36 + 1.70 + 1.70 + 1.70 + 3.54	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 18 + 50	1.07 + 1.29 + 1.29 + 1.29 + 3.57	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.25 + 1.56 + 1.56 + 1.56 + 4.06	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 18 + 60	0.99 + 1.19 + 1.19 + 1.19 + 3.95	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.18 + 1.47 + 1.47 + 1.47 + 4.41	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 25 + 25	1.26 + 1.51 + 1.51 + 2.10 + 2.10	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.45 + 1.81 + 1.81 + 2.46 + 2.46	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 25 + 35	1.15 + 1.38 + 1.38 + 1.91 + 2.68	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.36 + 1.70 + 1.70 + 2.31 + 2.93	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 25 + 42	1.08 + 1.30 + 1.30 + 1.80 + 3.03	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.28 + 1.60 + 1.60 + 2.18 + 3.33	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 25 + 50	1.01 + 1.21 + 1.21 + 1.69 + 3.37	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.18 + 1.48 + 1.48 + 2.01 + 3.85	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 25 + 60	0.94 + 1.13 + 1.13 + 1.56 + 3.75	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.12 + 1.40 + 1.40 + 1.90 + 4.19	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 35 + 35	1.05 + 1.26 + 1.26 + 2.46 + 2.46	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.28 + 1.60 + 1.60 + 2.76 + 2.76	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 35 + 42	1.00 + 1.20 + 1.20 + 2.32 + 2.79	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.21 + 1.52 + 1.52 + 2.61 + 3.15	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 35 + 50	0.94 + 1.13 + 1.13 + 2.19 + 3.13	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.12 + 1.40 + 1.40 + 2.42 + 3.65	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 35 + 60	0.87 + 1.05 + 1.05 + 2.04 + 3.49	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.06 + 1.33 + 1.33 + 2.29 + 3.99	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 42 + 42	0.94 + 1.13 + 1.13 + 2.64 + 2.64	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.15 + 1.44 + 1.44 + 2.99 + 2.99	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 42 + 50	0.89 + 1.07 + 1.07 + 2.50 + 2.97	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.07 + 1.34 + 1.34 + 2.78 + 3.48	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 42 + 60	0.83 + 1.00 + 1.00 + 2.33 + 3.33	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.02 + 1.27 + 1.27 + 2.64 + 3.81	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 18 + 50 + 50	0.84 + 1.01 + 1.01 + 2.81 + 2.81	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.00 + 1.25 + 1.25 + 3.25 + 3.25	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 25 + 25	1.18 + 1.42 + 1.97 + 1.97 + 1.97	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.36 + 1.70 + 2.31 + 2.31 + 2.31	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 25 + 35	1.08 + 1.30 + 1.80 + 1.80 + 2.52	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.28 + 1.60 + 2.18 + 2.18 + 2.76	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 25 + 42	1.02 + 1.22 + 1.70 + 1.70 + 2.86	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.21 + 1.52 + 2.06 + 2.06 + 3.15	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 25 + 50	0.96 + 1.15 + 1.60 + 1.60 + 3.20	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.12 + 1.40 + 1.91 + 1.91 + 3.65	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 25 + 60	0.89 + 1.07 + 1.49 + 1.49 + 3.57	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.06 + 1.33 + 1.81 + 1.81 + 3.99	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 35 + 35	1.00 + 1.20 + 1.66 + 2.32 + 2.32	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.21 + 1.52 + 2.06 + 2.61 + 2.61	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 35 + 42	0.94 + 1.13 + 1.57 + 2.20 + 2.64	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.15 + 1.44 + 1.95 + 2.47 + 2.99	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 35 + 50	0.89 + 1.07 + 1.49 + 2.08 + 2.97	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.07 + 1.34 + 1.82 + 2.30 + 3.48	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 35 + 60	0.83 + 1.00 + 1.39 + 1.94 + 3.33	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.02 + 1.27 + 1.73 + 2.18 + 3.81	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 42 + 42	0.90 + 1.08 + 1.50 + 2.51 + 2.51	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.09 + 1.37 + 1.86 + 2.84 + 2.84	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 25 + 42 + 50	0.85 + 1.02 + 1.42 + 2.38 + 2.83	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.02 + 1.28 + 1.73 + 2.65 + 3.32	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 35 + 35 + 35	0.92 + 1.11 + 2.16 + 2.16 + 2.16	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.15 + 1.44 + 2.47 + 2.47 + 2.47	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 35 + 35 + 42	0.88 + 1.06 + 2.05 + 2.05 + 2.46	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.09 + 1.37 + 2.35 + 2.35 + 2.84	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 35 + 35 + 50	0.83 + 1.00 + 1.94 + 1.94 + 2.78	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.02 + 1.28 + 2.19 + 2.19 + 3.32	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 18 + 35 + 42 + 42	0.84 + 1.01 + 1.96 + 2.35 + 2.35	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.02 + 1.28 + 2.19 + 2.19 + 3.32	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 25 + 25	1.11 + 1.85 + 1.85 + 1.85 + 1.85	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.28 + 2.18 + 2.18 + 2.18 + 2.18	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 25 + 35	1.02 + 1.70 + 1.70 + 1.70 + 2.38	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.21 + 2.06 + 2.06 + 2.06 + 2.61	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 25 + 42	0.97 + 1.61 + 1.61 + 1.61 + 2.70	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.15 + 1.95 + 1.95 + 1.95 + 2.99	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 25 + 50	0.91 + 1.52 + 1.52 + 1.52 + 3.04	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.07 + 1.82 + 1.82 + 1.82 + 3.48	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 25 + 60	0.85 + 1.42 + 1.42 + 1.42 + 3.40	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.02 + 1.73 + 1.73 + 1.73 + 3.81	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 35 + 35	0.94 + 1.57 + 1.57 + 2.20 + 2.20	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.15 + 1.95 + 1.95 + 2.47 + 2.47	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 35 + 42	0.90 + 1.50 + 1.50 + 2.10 + 2.51	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.09 + 1.86 + 1.86 + 2.35 + 2.84	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 35 + 50	0.85 + 1.42 + 1.42 + 1.98 + 2.83	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.02 + 1.73 + 1.73 + 2.19 + 3.32	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 25 + 42 + 42	0.86 + 1.43 + 1.43 + 2.40 + 2.40	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.15 + 1.95 + 1.95 + 2.47 + 2.47	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 35 + 35 + 35	0.88 + 1.47 + 2.05 + 2.05 + 2.05	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.09 + 1.86 + 2.35 + 2.35 + 2.35	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 25 + 35 + 35 + 42	0.84 + 1.40 + 1.96 + 1.96 + 2.35	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.04 + 1.77 + 2.24 + 2.24 + 2.71	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
15 + 35 + 35 + 35 + 35	0.82 + 1.92 + 1.92 + 1.92 + 1.92	8.50 (2.90 - 9.90)	2690 (550 - 3260)	3.16	1.04 + 1.77 + 2.24 + 2.24 + 2.71	10.00 (3.40 - 11.50)	2460 (610 - 2952)	4.07
18 + 18 + 18 + 18 + 18	1.70 + 1.70 + 1.70 + 1.70 + 1.70	8.50 (2.90 - 9.90)	2530 (600 - 3040)	3.36	2.00 + 2.00 + 2.00 + 2.00 + 2.00	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
18 + 18 + 18 + 18 + 25	1.58 + 1.58 + 1.58 + 1.58 + 2.19	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.87 + 1.87 + 1.87 + 1.87 + 2.54	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
18 + 18 + 18 + 18 + 35	1.43 + 1.43 + 1.43 + 1.43 + 2.78	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.75 + 1.75 + 1.75 + 1.75 + 3.01	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
18 + 18 + 18 + 18 + 42	1.34 + 1.34 + 1.34 + 1.34 + 3.13	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.64 + 1.64 + 1.64 + 1.64 + 3.42	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

RAM - 90NP5E	COOLING MODE				HEATING MODE				
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
5 units	18 + 18 + 18 + 18 + 50	1.25 + 1.25 + 1.25 + 1.25 + 3.48	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.52 + 1.52 + 1.52 + 1.52 + 3.94	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 18 + 60	1.16 + 1.16 + 1.16 + 1.16 + 3.86	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.43 + 1.43 + 1.43 + 1.43 + 4.29	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 25 + 25	1.47 + 1.47 + 1.47 + 2.04 + 2.04	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.75 + 1.75 + 1.75 + 2.38 + 2.38	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 25 + 35	1.34 + 1.34 + 1.34 + 1.86 + 2.61	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.64 + 1.64 + 1.64 + 2.24 + 2.83	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 25 + 42	1.26 + 1.26 + 1.26 + 1.76 + 2.95	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.55 + 1.55 + 1.55 + 2.11 + 3.23	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 25 + 50	1.19 + 1.19 + 1.19 + 1.65 + 3.29	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.44 + 1.44 + 1.44 + 1.95 + 3.74	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 25 + 60	1.10 + 1.10 + 1.10 + 1.53 + 3.67	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.36 + 1.36 + 1.36 + 1.85 + 4.08	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 35 + 35	1.23 + 1.23 + 1.23 + 2.40 + 2.40	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.55 + 1.55 + 1.55 + 2.67 + 2.67	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 35 + 42	1.17 + 1.17 + 1.17 + 2.27 + 2.73	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.47 + 1.47 + 1.47 + 2.53 + 3.06	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 35 + 50	1.10 + 1.10 + 1.10 + 2.14 + 3.06	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.37 + 1.37 + 1.37 + 2.35 + 3.55	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 35 + 60	1.03 + 1.03 + 1.03 + 2.00 + 3.42	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.37 + 1.37 + 1.37 + 2.35 + 3.55	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 42 + 42	1.11 + 1.11 + 1.11 + 2.59 + 2.59	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.40 + 1.40 + 1.40 + 2.91 + 2.91	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 42 + 50	1.05 + 1.05 + 1.05 + 2.45 + 2.91	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.30 + 1.30 + 1.30 + 2.71 + 3.39	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 18 + 50 + 50	0.99 + 0.99 + 0.99 + 2.76 + 2.76	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.30 + 1.30 + 1.30 + 2.71 + 3.39	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 25 + 25	1.38 + 1.38 + 1.91 + 1.91 + 1.91	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.64 + 1.64 + 2.24 + 2.24 + 2.24	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 25 + 35	1.26 + 1.26 + 1.76 + 1.76 + 2.46	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.55 + 1.55 + 2.11 + 2.11 + 2.67	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 25 + 42	1.20 + 1.20 + 1.66 + 1.66 + 2.79	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.47 + 1.47 + 2.00 + 2.00 + 3.06	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 25 + 50	1.13 + 1.13 + 1.56 + 1.56 + 3.13	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.37 + 1.37 + 1.86 + 1.86 + 3.55	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 25 + 60	1.05 + 1.05 + 1.46 + 1.46 + 3.49	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.30 + 1.30 + 1.76 + 1.76 + 3.89	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 35 + 35	1.17 + 1.17 + 1.62 + 2.27 + 2.27	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.47 + 1.47 + 2.00 + 2.53 + 2.53	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 35 + 42	1.11 + 1.11 + 1.54 + 2.16 + 2.59	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.40 + 1.40 + 1.90 + 2.40 + 2.91	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 35 + 50	1.05 + 1.05 + 1.46 + 2.04 + 2.91	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.30 + 1.30 + 1.77 + 2.24 + 3.39	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 42 + 42	1.06 + 1.06 + 1.47 + 2.46 + 2.46	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.33 + 1.33 + 1.81 + 2.77 + 2.77	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 25 + 42 + 50	1.00 + 1.00 + 1.39 + 2.33 + 2.78	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.33 + 1.33 + 1.81 + 2.77 + 2.77	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 35 + 35 + 35	1.09 + 1.09 + 2.11 + 2.11 + 2.11	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.40 + 1.40 + 2.40 + 2.40 + 2.40	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 35 + 35 + 42	1.03 + 1.03 + 2.01 + 2.01 + 2.41	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.33 + 1.33 + 2.29 + 2.29 + 2.77	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 18 + 35 + 42 + 42	0.99 + 0.99 + 1.92 + 2.30 + 2.30	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.33 + 1.33 + 2.29 + 2.29 + 2.77	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 25 + 25	1.30 + 1.80 + 1.80 + 1.80 + 1.80	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.55 + 2.11 + 2.11 + 2.11 + 2.11	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 25 + 35	1.20 + 1.66 + 1.66 + 1.66 + 2.32	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.47 + 2.00 + 2.00 + 2.00 + 2.53	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 25 + 42	1.13 + 1.57 + 1.57 + 1.57 + 2.64	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.40 + 1.90 + 1.90 + 1.90 + 2.91	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 25 + 50	1.07 + 1.49 + 1.49 + 1.49 + 2.97	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	6.00 + 0.82 + 0.82 + 0.82 + 1.56	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 25 + 60	1.00 + 1.39 + 1.39 + 1.39 + 3.33	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.24 + 1.68 + 1.68 + 1.68 + 3.71	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 35 + 35	1.11 + 1.54 + 1.54 + 2.16 + 2.16	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.40 + 1.90 + 1.90 + 2.40 + 2.40	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 35 + 42	1.06 + 1.47 + 1.47 + 2.05 + 2.46	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.33 + 1.81 + 1.81 + 2.29 + 2.77	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 35 + 50	1.00 + 1.39 + 1.39 + 1.94 + 2.78	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.24 + 1.69 + 1.69 + 2.14 + 3.23	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 25 + 42 + 42	1.01 + 1.40 + 1.40 + 2.35 + 2.35	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.27 + 1.73 + 1.73 + 2.64 + 2.64	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 35 + 35 + 35	1.03 + 1.44 + 2.01 + 2.01 + 2.01	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.33 + 1.81 + 2.29 + 2.29 + 2.29	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	18 + 25 + 35 + 35 + 42	0.99 + 1.37 + 1.92 + 1.92 + 2.30	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.27 + 1.73 + 2.18 + 2.18 + 2.64	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	25 + 25 + 25 + 25 + 25	1.70 + 1.70 + 1.70 + 1.70 + 1.70	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	2.00 + 2.00 + 2.00 + 2.00 + 2.00	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
	25 + 25 + 25 + 25 + 35	1.57 + 1.57 + 1.57 + 1.57 + 2.20	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.90 + 1.90 + 1.90 + 1.90 + 2.40	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07
25 + 25 + 25 + 25 + 42	1.50 + 1.50 + 1.50 + 1.50 + 2.51	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.81 + 1.81 + 1.81 + 1.81 + 2.77	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07	
25 + 25 + 25 + 25 + 50	1.42 + 1.42 + 1.42 + 1.42 + 2.83	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.69 + 1.69 + 1.69 + 1.69 + 3.23	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07	
25 + 25 + 25 + 35 + 35	1.47 + 1.47 + 1.47 + 2.05 + 2.05	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.81 + 1.81 + 1.81 + 2.29 + 2.29	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07	
25 + 25 + 25 + 35 + 42	1.40 + 1.40 + 1.40 + 1.96 + 2.35	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.73 + 1.73 + 1.73 + 2.18 + 2.64	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07	
25 + 25 + 35 + 35 + 35	1.37 + 1.37 + 1.92 + 1.92 + 1.92	8.50 (2.90 - 9.90)	2690 (600 - 3040)	3.16	1.73 + 1.73 + 2.18 + 2.18 + 2.18	10.00 (3.40 - 12.10)	2460 (610 - 2710)	4.07	

** RAM-90NP5E + RAK-25RPE + RAK-25RPE + RAK-35RPE.

Indoor unit combinations

Standard multi-split



RAM-110NP5E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
1 unit	15	1.50	1.50 (1.00 - 1.60)	420 (320 - 480)	3.57	2.00	2.00 (1.50 - 2.20)	620 (360 - 850)	3.23
	18	1.80	1.80 (1.70 - 2.00)	500 (320 - 610)	3.60	2.50	2.50 (2.00 - 3.00)	780 (360 - 920)	3.21
	25	2.50	2.50 (1.70 - 2.80)	700 (320 - 860)	3.57	3.40	3.40 (2.00 - 4.00)	1140 (360 - 1340)	2.98
	35	3.50	3.50 (1.70 - 3.90)	1040 (320 - 1270)	3.37	4.30	4.30 (2.00 - 5.20)	1420 (360 - 1720)	3.03
	42	4.20	4.20 (1.70 - 4.20)	1250 (320 - 1270)	3.36	5.20	4.30 (2.00 - 6.50)	1420 (360 - 1720)	3.03
	50	5.00	5.00 (1.70 - 5.50)	1540 (320 - 1860)	3.25	6.50	6.50 (2.00 - 7.30)	2300 (360 - 2580)	2.83
	60	6.00	6.00 (1.70 - 6.60)	1630 (320 - 1860)	3.68	7.50	7.50 (2.00 - 8.20)	2300 (360 - 2950)	3.26
2 units	15 + 15	1.50 + 1.50	3.00 (2.40 - 3.50)	850 (500 - 1020)	3.53	2.00 + 2.00	4.00 (2.70 - 4.70)	950 (500 - 1140)	4.21
	15 + 18	1.50 + 1.80	3.30 (2.40 - 3.80)	950 (500 - 1140)	3.47	2.00 + 2.50	4.50 (2.70 - 5.20)	1180 (500 - 1416)	3.81
	15 + 25	1.50 + 2.50	4.00 (2.40 - 4.50)	1150 (500 - 1500)	3.48	2.00 + 3.40	5.40 (2.70 - 6.10)	1320 (500 - 1584)	4.09
	15 + 35	1.50 + 3.50	5.00 (2.40 - 5.50)	1550 (500 - 1860)	3.23	2.00 + 4.30	6.30 (2.70 - 7.00)	1550 (500 - 1860)	4.06
	15 + 42	1.50 + 4.20	5.70 (2.40 - 6.20)	1700 (500 - 1860)	3.35	2.00 + 5.20	7.20 (2.70 - 7.90)	1850 (500 - 2560)	3.89
	15 + 50	1.50 + 5.00	6.50 (2.40 - 7.00)	2100 (500 - 2520)	3.10	2.00 + 6.50	8.50 (2.70 - 9.20)	2800 (500 - 3000)	3.04
	15 + 60	1.50 + 6.00	7.50 (2.40 - 8.00)	2100 (500 - 2520)	3.57	2.00 + 7.50	9.50 (2.70 - 10.20)	2800 (500 - 3000)	3.39
	18 + 18	1.80 + 1.80	3.60 (2.40 - 4.00)	1000 (500 - 1160)	3.60	2.50 + 2.50	5.00 (2.70 - 5.70)	1240 (500 - 1710)	4.03
	18 + 25	1.80 + 2.50	4.30 (2.40 - 4.70)	1200 (500 - 1590)	3.58	2.50 + 3.40	5.90 (2.70 - 6.60)	1530 (500 - 1990)	3.86
	18 + 35	1.80 + 3.50	5.30 (2.40 - 5.80)	1590 (500 - 1900)	3.33	2.50 + 4.30	6.80 (2.70 - 7.50)	1870 (500 - 2320)	3.64
	18 + 42	1.59 + 3.71	6.00 (2.40 - 5.80)	1760 (500 - 1900)	3.41	2.50 + 5.20	7.70 (2.70 - 8.40)	2200 (500 - 2880)	3.50
	18 + 50	1.80 + 5.00	6.80 (2.40 - 7.50)	2370 (500 - 2970)	2.87	2.50 + 6.50	9.00 (2.70 - 9.70)	2970 (500 - 3400)	3.03
	18 + 60	1.80 + 6.00	7.80 (2.40 - 8.20)	2370 (500 - 3120)	3.29	2.50 + 7.50	10.00 (2.70 - 10.70)	2970 (500 - 3400)	3.37
	25 + 25	2.50 + 2.50	5.00 (2.40 - 5.50)	1370 (500 - 1640)	3.65	3.40 + 3.40	6.80 (2.70 - 7.50)	1920 (500 - 2250)	3.54
	25 + 35	2.50 + 3.50	6.00 (2.40 - 6.60)	2000 (500 - 2400)	3.00	3.40 + 4.30	7.70 (2.70 - 8.40)	2280 (500 - 2590)	3.38
	25 + 42	2.50 + 4.20	6.70 (2.40 - 7.00)	2000 (500 - 2400)	3.35	3.40 + 5.20	8.60 (2.70 - 9.30)	2400 (500 - 3110)	3.58
	25 + 50	2.50 + 5.00	7.50 (2.40 - 8.00)	2580 (500 - 3270)	2.91	3.40 + 6.50	9.90 (2.70 - 10.60)	3220 (500 - 3400)	3.07
	25 + 60	2.50 + 6.00	8.50 (2.40 - 9.00)	2580 (500 - 3270)	3.29	3.40 + 7.50	10.90 (2.70 - 11.60)	3220 (500 - 3400)	3.39
	35 + 35	3.50 + 3.50	7.00 (2.40 - 7.80)	2490 (450 - 2990)	2.81	4.30 + 4.30	8.60 (2.70 - 9.30)	2460 (500 - 2860)	3.50
	35 + 42	3.50 + 4.20	7.70 (2.40 - 8.10)	2490 (500 - 2990)	3.09	4.30 + 5.20	9.50 (2.70 - 10.20)	2680 (500 - 3320)	3.54
	35 + 50	3.50 + 5.00	8.50 (2.40 - 8.80)	2700 (500 - 3270)	3.15	4.30 + 6.50	10.80 (2.70 - 11.50)	3290 (500 - 3600)	3.28
	35 + 60	3.50 + 6.00	9.50 (2.40 - 10.10)	2700 (500 - 3270)	3.52	4.30 + 7.50	11.80 (2.70 - 12.50)	3290 (500 - 3600)	3.59
	42 + 42	4.20 + 4.20	8.40 (2.40 - 8.80)	2700 (500 - 3270)	3.11	5.20 + 5.20	10.40 (2.70 - 11.10)	2460 (500 - 2860)	4.23
	42 + 50	4.20 + 5.00	9.20 (2.40 - 9.70)	2900 (500 - 3470)	3.17	5.20 + 6.50	11.70 (2.70 - 12.40)	3440 (500 - 3800)	3.40
42 + 60	3.99 + 5.70	10.00 (2.40 - 10.59)	2900 (500 - 3470)	3.45	4.91 + 7.09	12.00 (2.70 - 12.70)	3440 (500 - 3800)	3.49	
50 + 50	5.00 + 5.00	10.00 (2.40 - 11.00)	3100 (500 - 3670)	3.23	6.00 + 6.00	12.00 (2.70 - 12.70)	3440 (500 - 3800)	3.49	
50 + 60	4.55 + 5.45	10.00 (2.40 - 11.00)	3200 (500 - 3780)	3.13	5.57 + 6.43	12.00 (2.70 - 12.70)	3440 (500 - 3800)	3.49	
60 + 60	5.00 + 5.00	10.00 (2.40 - 11.00)	3300 (500 - 3870)	3.03	6.00 + 6.00	12.00 (2.70 - 12.70)	3440 (500 - 3800)	3.49	
3 units	15 + 15 + 15	1.50 + 1.50 + 1.50	4.50 (2.70 - 5.00)	1250 (510 - 1500)	3.60	2.00 + 2.00 + 2.00	6.00 (2.90 - 6.70)	1540 (520 - 1848)	3.90
	15 + 15 + 18	1.50 + 1.50 + 1.80	4.80 (2.70 - 5.30)	1350 (510 - 1620)	3.56	2.00 + 2.00 + 2.50	6.50 (2.90 - 7.20)	1800 (520 - 2160)	3.61
	15 + 15 + 25	1.50 + 1.50 + 2.50	5.50 (2.70 - 6.00)	1550 (510 - 1988)	3.55	2.00 + 2.00 + 3.40	7.40 (2.90 - 8.10)	2010 (520 - 2412)	3.68
	15 + 15 + 35	1.50 + 1.50 + 3.50	6.50 (2.70 - 7.00)	2100 (510 - 2676)	3.10	2.00 + 2.00 + 4.30	8.30 (2.90 - 9.00)	2420 (520 - 2904)	3.43
	15 + 15 + 42	1.50 + 1.50 + 4.20	7.20 (2.70 - 7.80)	2150 (510 - 2676)	3.35	2.00 + 2.00 + 5.20	9.20 (2.90 - 9.90)	2580 (520 - 2904)	3.57
	15 + 15 + 50	1.50 + 1.50 + 5.00	8.00 (2.70 - 8.50)	2400 (510 - 2876)	3.33	2.00 + 2.00 + 6.50	10.50 (2.90 - 11.20)	3030 (520 - 3448)	3.47
	15 + 15 + 60	1.50 + 1.50 + 6.00	9.00 (2.70 - 9.50)	2470 (510 - 2876)	3.64	2.00 + 2.00 + 7.50	11.50 (2.90 - 12.20)	3030 (520 - 3448)	3.80
	15 + 18 + 18	1.50 + 1.80 + 1.80	5.10 (2.70 - 5.60)	1450 (510 - 1620)	3.52	2.00 + 2.50 + 2.50	7.00 (2.90 - 7.70)	1880 (520 - 2280)	3.72
	15 + 18 + 25	1.50 + 1.80 + 2.50	5.80 (2.70 - 6.30)	1650 (510 - 1820)	3.52	2.00 + 2.50 + 3.40	7.90 (2.90 - 8.60)	2130 (520 - 2616)	3.71
	15 + 18 + 35	1.50 + 1.80 + 3.50	6.80 (2.70 - 7.30)	1850 (510 - 2844)	3.68	2.00 + 2.50 + 4.30	8.80 (2.90 - 9.50)	2580 (520 - 3030)	3.41
	15 + 18 + 42	1.50 + 1.80 + 4.20	7.50 (2.70 - 8.00)	2200 (510 - 2844)	3.41	2.00 + 2.50 + 5.20	9.70 (2.90 - 10.40)	2630 (520 - 3030)	3.69
	15 + 18 + 50	1.50 + 1.80 + 5.00	8.30 (2.70 - 9.10)	2400 (510 - 2844)	3.46	2.00 + 2.50 + 6.50	11.00 (2.90 - 11.70)	3150 (520 - 3690)	3.49
	15 + 18 + 60	1.50 + 1.80 + 6.00	9.30 (2.70 - 10.20)	2550 (510 - 2844)	3.65	2.00 + 2.50 + 7.50	12.00 (2.90 - 12.70)	3150 (520 - 3690)	3.81
	15 + 25 + 25	1.50 + 2.50 + 2.50	6.50 (2.70 - 7.00)	1800 (510 - 2520)	3.61	2.00 + 3.40 + 3.40	8.80 (2.90 - 9.50)	2350 (520 - 3030)	3.74
	15 + 25 + 35	1.50 + 2.50 + 3.50	7.50 (2.70 - 8.30)	2100 (510 - 3096)	3.57	2.00 + 3.40 + 4.30	9.70 (2.90 - 10.40)	2620 (520 - 3030)	3.70
	15 + 25 + 42	1.50 + 2.50 + 4.20	8.20 (2.70 - 8.70)	2200 (510 - 3360)	3.73	2.00 + 3.40 + 5.20	10.60 (2.90 - 11.30)	2750 (520 - 3030)	3.85
	15 + 25 + 50	1.50 + 2.50 + 5.00	9.00 (2.70 - 9.90)	2680 (510 - 3360)	3.36	2.00 + 3.40 + 6.50	11.90 (2.90 - 12.60)	3290 (520 - 3690)	3.62
	15 + 25 + 60	1.50 + 2.50 + 6.00	10.00 (2.70 - 10.60)	2780 (510 - 3360)	3.60	1.86 + 3.16 + 6.98	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	15 + 35 + 35	1.50 + 3.50 + 3.50	8.50 (2.70 - 9.40)	2560 (510 - 3360)	3.32	2.00 + 4.30 + 4.30	10.60 (2.90 - 11.30)	2990 (520 - 3360)	3.55
	15 + 35 + 42	1.50 + 3.50 + 4.20	9.20 (2.70 - 9.70)	2700 (510 - 3460)	3.41	2.00 + 4.30 + 5.20	11.50 (2.90 - 12.20)	2990 (520 - 3360)	3.85
	15 + 35 + 50	1.50 + 3.50 + 5.00	10.00 (2.70 - 10.70)	3000 (510 - 3460)	3.33	1.88 + 4.03 + 6.09	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	15 + 35 + 60	1.36 + 3.18 + 5.46	10.00 (2.70 - 11.00)	3100 (510 - 3460)	3.23	1.74 + 3.74 + 6.52	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	15 + 42 + 42	1.50 + 4.20 + 4.20	9.90 (2.70 - 10.50)	3000 (510 - 3460)	3.30	1.94 + 5.03 + 5.03	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	15 + 42 + 50	1.40 + 3.93 + 4.67	10.00 (2.70 - 10.56)	3210 (510 - 3460)	3.12	1.75 + 4.55 + 5.69	12.00 (2.90 - 12.70)	3390 (520 - 3690)	3.54
	15 + 42 + 60	1.28 + 3.59 + 5.13	10.00 (2.70 - 10.60)	3300 (510 - 3800)	3.03	1.63 + 4.24 + 6.12	12.00 (2.90 - 12.70)	3390 (520 - 3690)	3.54
	15 + 50 + 50	1.30 + 4.35 + 4.35	10.00 (2.70 - 10.70)	3500 (510 - 3800)	2.86	1.60 + 5.20 + 5.20	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	15 + 50 + 60	1.20 + 4.00 + 4.80	10.00 (2.70 - 10.80)	3600 (510 - 3800)	2.78	1.50 + 4.88 + 5.63	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	15 + 60 + 60	1.11 + 4.44 + 4.44	10.00 (2.70 - 10.96)	3680 (510 - 3800)	2.72	1.41 + 5.29 + 5.29	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	18 + 18 + 18	1.80 + 1.80 + 1.80	5.40 (2.70 - 6.00)	1480 (510 - 1780)	3.65	2.50 + 2.50 + 2.50	7.50 (2.90 - 8.20)	2420 (520 - 2860)	3.10
	18 + 18 + 25	1.80 + 1.80 + 2.50	6.10 (2.70 - 6.80)	1780 (510 - 2150)	3.43	2.50 + 2.50 + 3.40	8.40 (2.90 - 9.10)	2420 (520 - 3060)	3.47
	18 + 18 + 35	1.80 + 1.80 + 3.50	7.10 (2.70 - 7.90)	2050 (510 - 2310)	3.46	2.50 + 2.50 + 4.30	9.30 (2.90 - 10.00)	2630 (520 - 3060)	3.54
	18 + 18 + 42	1.80 + 1.80 + 4.20	7.80 (2.70 - 8.20)	2250 (510 - 3460)	3.47	2.50 + 2.50 + 5.20	10.20 (2.90 - 10.90)	2670 (520 - 3060)	3.82
	18 + 18 + 50	1.80 + 1.80 + 5.00	8.60 (2.70 - 9.50)	2650 (510 - 3460)	3.25	2.50 + 2.50 + 6.50	11.50 (2.90 - 12.20)	3230 (520 - 3690)	3.56
	18 + 18 + 60	1.80 + 1.80 + 6.00	9.60 (2.70 - 10.60)	2650 (510 - 3460)	3.62	2.40 + 2.40 + 7.20	12.00 (2.90 - 12.70)	3230 (520 - 3690)	3.72
	18 + 25 + 25	1.80 + 2.50 + 2.50	6.80 (2.70 - 7.60)	1860 (510 - 2260)	3.66	2.50 + 3.40 + 3.40	9.30 (2.90 - 10.00)	2450 (520 - 2760)	3.80
	18 + 25 + 35	1.80 + 2.50 + 3.50	7.80 (2.70 - 8.70)	2250 (510 - 3270)	3.47	2.50 + 3.40 + 4.30	10.20 (2.90 - 10.90)	2530 (520 - 2880)	4.03
	18 + 25 + 42	1.80 + 2.50 + 4.20	8.50 (2.70 - 9.00)	2450 (510 - 3270)	3.47	2.50 + 3.40 + 5.20	11.10 (2.90 - 11.80)	2830 (520 - 3220)	3.92
	18 + 25 + 50	1.80 + 2.50 + 5.00	9.30 (2.70 - 10.30)	2750 (510 - 3270)	3.38	2.42 + 3.29 + 6.29	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65

RAM-110NP5E		COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
3 units	18 + 25 + 60	1.75 + 2.43 + 5.83	10.00 (2.70 - 10.80)	2850 (510 - 3320)	3.51	2.24 + 3.04 + 6.72	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	18 + 35 + 35	1.80 + 3.50 + 3.50	8.80 (2.70 - 9.80)	2600 (510 - 3460)	3.38	2.50 + 4.30 + 4.30	11.10 (2.90 - 11.80)	3050 (520 - 3330)	3.64
	18 + 35 + 42	1.80 + 3.50 + 4.20	9.50 (2.70 - 10.10)	2800 (510 - 3460)	3.39	2.50 + 4.30 + 5.20	12.00 (2.90 - 12.70)	3050 (520 - 3330)	3.93
	18 + 35 + 50	1.75 + 3.40 + 4.85	10.00 (2.70 - 10.80)	3080 (510 - 3580)	3.25	2.26 + 3.88 + 5.86	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	18 + 35 + 60	1.59 + 3.10 + 5.31	10.00 (2.70 - 10.50)	4000 (510 - 3580)	2.50	2.10 + 3.61 + 6.29	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	18 + 42 + 42	1.76 + 4.12 + 4.12	10.00 (2.70 - 10.50)	3000 (510 - 3580)	3.33	2.33 + 4.84 + 4.84	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	18 + 42 + 50	1.64 + 3.82 + 4.55	10.00 (2.70 - 10.64)	3290 (510 - 3580)	3.04	2.11 + 4.39 + 5.49	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	18 + 42 + 60	1.50 + 3.50 + 5.00	10.00 (2.70 - 11.00)	3400 (510 - 4000)	2.94	1.97 + 4.11 + 5.92	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	18 + 50 + 50	1.53 + 4.24 + 4.24	10.00 (2.70 - 10.80)	3580 (510 - 4000)	2.79	1.94 + 5.03 + 5.03	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	18 + 50 + 60	1.41 + 3.91 + 4.69	10.00 (2.70 - 12.00)	3680 (510 - 4000)	2.72	1.82 + 4.73 + 5.45	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	18 + 60 + 60	1.30 + 4.35 + 4.35	10.00 (2.70 - 12.50)	3780 (510 - 4000)	2.65	1.71 + 5.14 + 5.14	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	25 + 25 + 25	2.50 + 2.50 + 2.50	7.50 (2.70 - 8.40)	2120 (510 - 2580)	3.54	3.40 + 3.40 + 3.40	10.20 (2.90 - 10.90)	2540 (520 - 2920)	4.02
	25 + 25 + 35	2.50 + 2.50 + 3.50	8.50 (2.70 - 9.50)	2560 (510 - 3110)	3.32	3.40 + 3.40 + 4.30	11.10 (2.90 - 11.80)	2730 (520 - 3070)	4.07
	25 + 25 + 42	2.50 + 2.50 + 4.20	9.20 (2.70 - 9.80)	2650 (510 - 3360)	3.47	3.40 + 3.40 + 5.20	12.00 (2.90 - 12.70)	2930 (520 - 3330)	4.10
	25 + 25 + 50	2.50 + 2.50 + 5.00	10.00 (2.70 - 11.10)	3000 (510 - 3360)	3.33	3.07 + 3.07 + 5.86	12.00 (2.90 - 12.70)	3190 (520 - 3560)	3.76
	25 + 25 + 60	2.27 + 2.27 + 5.45	10.00 (2.70 - 11.09)	3000 (510 - 3360)	3.33	2.85 + 2.85 + 6.29	12.00 (2.90 - 12.70)	3190 (520 - 3560)	3.76
	25 + 35 + 35	2.50 + 3.50 + 3.50	9.50 (2.70 - 10.60)	2800 (510 - 3330)	3.39	3.40 + 4.30 + 4.30	12.00 (2.90 - 12.70)	2890 (520 - 3220)	4.15
	25 + 35 + 42	2.45 + 3.43 + 4.12	10.00 (2.70 - 10.69)	3000 (510 - 3660)	3.33	3.16 + 4.00 + 4.84	12.00 (2.90 - 12.70)	2990 (520 - 3330)	4.01
	25 + 35 + 50	2.27 + 3.18 + 4.55	10.00 (2.70 - 11.09)	3280 (510 - 3660)	3.05	2.87 + 3.63 + 5.49	12.00 (2.90 - 12.70)	3190 (520 - 3690)	3.76
	25 + 35 + 60	2.08 + 2.92 + 5.00	10.00 (2.70 - 11.50)	3380 (510 - 3660)	2.96	2.68 + 3.39 + 5.92	12.00 (2.90 - 12.70)	3190 (520 - 3690)	3.76
	25 + 42 + 42	2.29 + 3.85 + 3.85	10.00 (2.70 - 10.28)	3200 (510 - 3660)	3.13	2.96 + 4.52 + 4.52	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	25 + 42 + 50	2.14 + 3.59 + 4.27	10.00 (2.70 - 10.68)	3500 (510 - 4000)	2.86	2.70 + 4.13 + 5.17	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	25 + 42 + 60	1.97 + 3.31 + 4.72	10.00 (2.70 - 12.00)	3500 (510 - 4000)	2.86	2.53 + 3.88 + 5.59	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	25 + 50 + 50	2.00 + 4.00 + 4.00	10.00 (2.70 - 11.6)	3500 (510 - 4000)	2.86	2.49 + 4.76 + 4.76	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	25 + 50 + 60	1.85 + 3.70 + 4.44	10.00 (2.70 - 12.5)	3500 (510 - 4000)	2.86	2.34 + 4.48 + 5.17	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	25 + 60 + 60	1.72 + 4.14 + 4.14	10.00 (2.70 - 12.50)	3500 (510 - 4000)	2.86	2.22 + 4.89 + 4.89	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	35 + 35 + 35	3.33 + 3.33 + 3.33	10.00 (2.70 - 11.14)	3100 (510 - 4000)	3.23	4.00 + 4.00 + 4.00	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	35 + 35 + 42	3.13 + 3.13 + 3.75	10.00 (2.70 - 10.71)	3300 (510 - 4000)	3.03	3.74 + 3.74 + 4.52	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	35 + 35 + 50	2.92 + 2.92 + 4.17	10.00 (2.70 - 12.00)	3600 (510 - 4200)	2.78	3.42 + 3.42 + 5.17	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	35 + 35 + 60	2.69 + 2.69 + 4.62	10.00 (2.70 - 12.50)	3700 (510 - 4200)	2.70	3.20 + 3.20 + 5.59	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	35 + 42 + 42	2.94 + 3.53 + 3.53	10.00 (2.70 - 10.34)	3550 (510 - 4200)	2.82	3.51 + 4.24 + 4.24	12.00 (2.90 - 12.70)	3290 (520 - 3690)	3.65
	35 + 42 + 50	2.76 + 3.31 + 3.94	10.00 (2.70 - 12.50)	3800 (510 - 4200)	2.63	3.23 + 3.90 + 4.88	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
	35 + 42 + 60	2.55 + 3.07 + 4.38	10.00 (2.70 - 12.50)	3900 (510 - 4200)	2.56	3.04 + 3.67 + 5.29	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44
35 + 50 + 50	2.59 + 3.70 + 3.70	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	2.98 + 4.51 + 4.51	12.00 (2.90 - 12.70)	3490 (520 - 3890)	3.44	
35 + 50 + 60	2.41 + 3.45 + 4.14	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	2.82 + 4.26 + 4.92	12.00 (2.90 - 12.70)	3690 (520 - 4000)	3.25	
35 + 60 + 60	2.26 + 3.87 + 3.87	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	2.67 + 4.66 + 4.66	12.00 (2.90 - 12.70)	3690 (520 - 4000)	3.25	
42 + 42 + 42	3.33 + 3.33 + 3.33	10.00 (2.70 - 11.00)	3750 (510 - 4500)	2.67	4.00 + 4.00 + 4.00	12.00 (2.90 - 12.70)	3690 (520 - 4000)	3.25	
42 + 42 + 50	3.13 + 3.13 + 3.73	10.00 (2.70 - 12.50)	4000 (510 - 4500)	2.50	3.69 + 3.69 + 4.62	12.00 (2.90 - 12.70)	3890 (520 - 4200)	3.08	
42 + 42 + 60	2.92 + 2.92 + 4.17	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	3.49 + 3.49 + 5.03	12.00 (2.90 - 12.70)	3890 (520 - 4200)	3.08	
42 + 50 + 50	2.96 + 3.52 + 3.52	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	3.43 + 4.29 + 4.29	12.00 (2.90 - 12.70)	3890 (520 - 4200)	3.08	
42 + 50 + 60	2.76 + 3.29 + 3.95	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	3.25 + 4.06 + 4.69	12.00 (2.90 - 12.70)	4190 (520 - 4500)	2.86	
50 + 50 + 50	3.33 + 3.33 + 3.33	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	4.00 + 4.00 + 4.00	12.00 (2.90 - 12.70)	4190 (520 - 4500)	2.86	
50 + 50 + 60	3.13 + 3.13 + 3.75	10.00 (2.70 - 12.50)	4100 (510 - 4500)	2.44	3.80 + 3.80 + 4.39	12.00 (2.90 - 12.70)	4190 (520 - 4500)	2.86	
4 units	15 + 15 + 15 + 15	1.50 + 1.50 + 1.50 + 1.50	6.00 (2.900 - 6.40)	1680 (550 - 1620)	3.57	2.00 + 2.00 + 2.00 + 2.00	8.00 (3.00 - 8.70)	2000 (540 - 2652)	4.00
	15 + 15 + 15 + 18	1.50 + 1.50 + 1.50 + 1.80	6.30 (2.900 - 6.80)	1780 (550 - 1776)	3.54	2.00 + 2.00 + 2.00 + 2.50	8.50 (3.00 - 9.20)	2200 (540 - 2760)	3.86
	15 + 15 + 15 + 25	1.50 + 1.50 + 1.50 + 2.50	7.00 (2.90 - 7.60)	1780 (550 - 2136)	3.93	2.00 + 2.00 + 2.00 + 3.40	9.40 (3.00 - 10.10)	2390 (540 - 3036)	3.93
	15 + 15 + 15 + 35	1.50 + 1.50 + 1.50 + 3.50	8.00 (2.90 - 8.70)	2500 (550 - 4000)	3.20	2.00 + 2.00 + 2.00 + 4.30	10.30 (3.00 - 11.00)	2750 (540 - 3468)	3.75
	15 + 15 + 15 + 42	1.50 + 1.50 + 1.50 + 4.20	8.70 (2.90 - 9.00)	2600 (550 - 4000)	3.35	2.00 + 2.00 + 2.00 + 5.20	11.20 (3.00 - 11.90)	2850 (540 - 3360)	3.93
	15 + 15 + 15 + 50	1.50 + 1.50 + 1.50 + 5.00	9.50 (2.90 - 10.30)	2650 (550 - 4000)	3.58	1.92 + 1.92 + 1.92 + 6.24	12.00 (3.00 - 12.70)	3190 (540 - 4000)	3.76
	15 + 15 + 15 + 60	1.43 + 1.43 + 1.43 + 5.71	10.00 (2.90 - 10.86)	2650 (550 - 4000)	3.77	1.78 + 1.78 + 1.78 + 6.67	12.00 (3.00 - 12.70)	3190 (540 - 4000)	3.76
	15 + 15 + 18 + 18	1.50 + 1.50 + 1.80 + 1.80	6.60 (2.90 - 7.20)	1850 (550 - 2100)	3.57	2.00 + 2.00 + 2.50 + 2.50	9.00 (3.00 - 9.70)	2380 (540 - 4000)	3.78
	15 + 15 + 18 + 25	1.50 + 1.50 + 1.80 + 2.50	7.30 (2.90 - 8.00)	2050 (550 - 2220)	3.56	2.00 + 2.00 + 2.50 + 3.40	9.90 (3.00 - 10.60)	2530 (540 - 4000)	3.91
	15 + 15 + 18 + 35	1.50 + 1.50 + 1.80 + 3.50	8.30 (2.90 - 9.10)	2350 (550 - 3120)	3.53	2.00 + 2.00 + 2.50 + 4.30	10.80 (3.00 - 11.50)	2680 (540 - 4000)	4.03
	15 + 15 + 18 + 42	1.50 + 1.50 + 1.80 + 4.20	9.00 (2.90 - 9.40)	2350 (550 - 3120)	3.83	2.00 + 2.00 + 2.50 + 5.20	11.70 (3.00 - 12.40)	2780 (540 - 4000)	4.21
	15 + 15 + 18 + 50	1.50 + 1.50 + 1.80 + 5.00	9.80 (2.90 - 10.70)	2800 (550 - 3510)	3.50	1.57 + 1.85 + 2.31 + 6.00	12.00 (3.00 - 12.70)	3290 (540 - 4000)	3.65
	15 + 15 + 18 + 60	1.39 + 1.39 + 1.67 + 5.56	10.00 (2.90 - 10.93)	2800 (550 - 3510)	3.57	1.71 + 1.71 + 2.14 + 6.43	12.00 (3.00 - 12.70)	3290 (540 - 4000)	3.65
	15 + 15 + 25 + 25	1.50 + 1.50 + 2.50 + 2.50	8.00 (2.90 - 8.80)	2150 (550 - 2580)	3.72	2.00 + 2.00 + 3.40 + 3.40	10.80 (3.00 - 11.50)	2480 (540 - 4000)	4.35
	15 + 15 + 25 + 35	1.50 + 1.50 + 2.50 + 3.50	9.00 (2.90 - 9.90)	2600 (550 - 3120)	3.46	2.00 + 2.00 + 3.40 + 4.30	11.70 (3.00 - 12.40)	2890 (540 - 4000)	4.05
	15 + 15 + 25 + 42	1.50 + 1.50 + 2.50 + 4.20	9.70 (2.90 - 10.20)	2800 (550 - 3510)	3.46	1.90 + 1.90 + 3.24 + 4.95	12.00 (3.00 - 12.70)	2890 (540 - 4000)	4.15
	15 + 15 + 25 + 50	1.43 + 1.43 + 2.38 + 4.76	10.00 (2.90 - 10.56)	3000 (550 - 3510)	3.33	1.73 + 1.73 + 2.94 + 5.61	12.00 (3.00 - 12.70)	3290 (540 - 4000)	3.65
	15 + 15 + 25 + 60	1.30 + 1.30 + 2.17 + 5.22	10.00 (2.90 - 12.50)	3000 (550 - 3510)	3.33	1.61 + 1.61 + 2.74 + 6.04	12.00 (3.00 - 12.70)	3290 (540 - 4000)	3.65
	15 + 15 + 35 + 35	1.50 + 1.50 + 3.50 + 3.50	10.00 (2.90 - 10.56)	3000 (550 - 3510)	3.33	1.90 + 1.90 + 4.10 + 4.10	12.00 (3.00 - 12.70)	2990 (540 - 4000)	4.01
	15 + 15 + 35 + 42	1.40 + 1.40 + 1.80 + 3.93	10.00 (2.90 - 10.56)	3150 (550 - 3510)	3.17	1.78 + 1.78 + 3.82 + 4.62	12.00 (3.00 - 12.70)	3190 (540 - 4000)	3.76
	15 + 15 + 35 + 50	1.30 + 1.30 + 3.04 + 4.35	10.00 (2.90 - 12.50)	3300 (550 - 3710)	3.03	1.62 + 1.62 + 3.49 + 5.27	12.00 (3.00 - 12.70)	3390 (540 - 4000)	3.54
	15 + 15 + 35 + 60	1.20 + 1.20 + 2.80 + 4.80	10.00 (2.90 - 10.96)	3300 (550 - 3710)	3.03	1.52 + 1.52 + 3.27 + 5.70	12.00 (3.00 - 12.70)	3390 (540 - 4000)	3.54
	15 + 15 + 42 + 42	1.32 + 1.32 + 3.68 + 3.68	10.00 (2.90 - 10.96)	3300 (550 - 4000)	3.03	1.67 + 1.67 + 4.33 + 4.33	12.00 (3.00 - 12.70)	3290 (540 - 4000)	3.65
	15 + 15 + 42 + 50	1.23 + 1.23 + 3.44 + 4.10	10.00 (2.90 - 11.56)	3400 (550 - 4000)	2.94	1.53 + 1.53 + 3.97 + 4.97	12.00 (3.00 - 12.70)	3490 (540 - 4500)	3.44
	15 + 15 + 42 + 60	1.14 + 1.14 + 3.18 + 4.55	10.00 (2.90 - 11.56)	3400 (550 - 4000)	2.94	1.44 + 1.44 + 3.74 + 5.39	12.00 (3.00 - 12.70)	3490 (540 - 4500)	3.44
	15 + 15 + 50 + 50	1.15 + 1.15 + 3.85 + 3.85	10.00 (2.90 - 12.00)	3500 (550 - 4000)	2.86	1.41 + 1.41 + 4.59 + 4.59	12.00 (3.00 - 12.70)	3490 (540 - 4500)	3.44
	15 + 15 + 50 + 60	1.07 + 1.07 + 3.57 + 4.29	10.00 (2.90 - 12.50)	3610 (550 - 4000)	2.77	1.33 + 1.33 + 4.33 + 5.00	12.00 (3.00 - 12.70)	3490 (540 - 4500)	3.44
	15 + 18 + 18 + 18	1.50 + 1.80 + 1.80 + 1.80	6.90 (2.90 - 7.60)	2140 (550 - 2568)	3.22	2.00 + 2.50 + 2.50 + 2.50	9.50 (3.00 - 10.20)	2750 (540 - 4000)	3.45
	15 + 18 + 18 + 25	1.50 + 1.80 + 1.80 + 2.50	7.60 (2.90 - 8.40)	2140 (550 - 2568)	3.55	2.00 + 2.50 + 2.50 + 3.40	10.40 (3.00 - 11.10)	2750 (540 - 4000)	3.78
15 + 18 + 18 + 35	1.50 + 1.80 + 1.80 + 3.50	8.60 (2.90 - 9.50)	22						

Indoor unit combinations

Standard multi-split



RAM-110NP5E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
15+18+25+35	1.50+1.80+2.50+3.50	9.30 (2.90-10.30)	2550 (550-3120)	3.65	1.97+2.46+3.34+4.23	12.00 (3.00-12.70)	2990 (540-4000)	4.01	
15+18+25+42	1.50+1.80+2.50+4.20	10.00 (2.90-10.60)	2800 (550-3120)	3.57	1.83+2.29+3.11+4.76	12.00 (3.00-12.70)	3190 (540-4000)	3.76	
15+18+25+50	1.39+1.67+2.31+4.63	10.00 (2.90-10.56)	2800 (550-3120)	3.57	1.67+2.08+2.83+5.42	12.00 (3.00-12.70)	3490 (540-4000)	3.44	
15+18+25+60	1.27+1.53+2.12+5.08	10.00 (2.90-10.80)	3150 (550-3700)	3.17	1.56+1.95+2.65+5.84	12.00 (3.00-12.70)	3490 (540-4500)	3.44	
15+18+35+35	1.46+1.75+3.40+3.40	10.00 (2.90-10.60)	3150 (550-3700)	3.17	1.83+2.29+3.94+3.94	12.00 (3.00-12.70)	3190 (540-4000)	3.76	
15+18+35+42	1.36+1.64+3.18+3.82	10.00 (2.90-10.64)	3150 (550-3700)	3.17	1.71+2.14+3.69+4.46	12.00 (3.00-12.70)	3290 (540-4000)	3.65	
15+18+35+50	1.27+1.53+2.97+4.24	10.00 (2.90-10.90)	3400 (550-4000)	2.94	1.57+1.96+3.37+5.10	12.00 (3.00-12.70)	3560 (540-4500)	3.37	
15+18+35+60	1.17+1.41+2.73+4.69	10.00 (2.90-11.00)	3400 (550-4000)	2.94	1.47+1.84+3.17+5.52	12.00 (3.00-12.70)	3560 (540-4500)	3.37	
15+18+42+42	1.28+1.54+3.59+3.59	10.00 (2.90-10.90)	3400 (550-4000)	2.94	1.61+2.01+4.19+4.19	12.00 (3.00-12.70)	3490 (540-4500)	3.44	
15+18+42+50	1.20+1.44+3.36+4.00	10.00 (2.90-11.30)	3500 (550-4000)	2.86	1.48+1.85+3.85+4.81	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+18+42+60	1.11+1.33+3.11+4.44	10.00 (2.90-11.50)	3500 (550-4000)	2.86	1.40+1.74+3.63+5.23	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+18+50+50	1.13+1.35+3.76+3.76	10.00 (2.90-11.30)	3650 (550-4000)	2.74	1.37+1.71+4.46+4.46	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+18+50+60	1.05+1.26+3.50+4.20	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.30+1.62+4.22+4.86	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+18+60+60	0.98+1.18+3.92+3.92	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.23+1.54+4.62+4.62	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+25+25+25	1.50+2.50+2.50+2.50	9.00 (2.90-10.00)	2600 (550-3132)	3.46	1.97+3.34+3.34+3.34	12.00 (3.00-12.70)	2990 (540-4000)	4.01	
15+25+25+35	1.50+2.50+2.50+3.50	10.00 (2.90-11.10)	2800 (550-3500)	3.57	1.83+3.11+3.11+3.94	12.00 (3.00-12.70)	3190 (540-4000)	3.76	
15+25+25+42	1.40+2.34+2.34+3.93	10.00 (2.90-10.65)	3000 (550-3500)	3.33	1.71+2.91+2.91+4.46	12.00 (3.00-12.70)	3390 (540-4500)	3.54	
15+25+25+50	1.30+2.17+2.17+4.35	10.00 (2.90-10.80)	3160 (550-3500)	3.16	1.57+2.67+2.67+5.10	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+25+25+60	1.20+2.00+2.00+4.8	10.00 (2.90-10.90)	3160 (550-3500)	3.16	1.47+2.50+2.50+5.52	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+25+35+35	1.36+2.37+3.13+3.18	10.00 (2.90-10.50)	3000 (550-3500)	3.33	1.71+2.91+3.69+3.69	12.00 (3.00-12.70)	3090 (540-4000)	3.88	
15+25+35+42	1.28+2.14+2.99+3.59	10.00 (2.90-10.68)	3210 (550-3700)	3.12	1.61+2.74+3.46+4.19	12.00 (3.00-12.70)	3190 (540-4000)	3.76	
15+25+35+50	1.20+2.00+2.80+4.00	10.00 (2.90-10.80)	3400 (550-3700)	2.94	1.48+2.52+3.19+4.81	12.00 (3.00-12.70)	3650 (540-4500)	3.29	
15+25+35+60	1.11+1.85+2.59+4.44	10.00 (2.90-10.90)	3400 (550-3700)	2.94	1.40+2.37+3.00+5.23	12.00 (3.00-12.70)	3650 (540-4500)	3.29	
15+25+42+42	1.21+2.02+3.39+3.39	10.00 (2.90-10.63)	3200 (550-3700)	3.13	1.52+2.58+3.95+3.95	12.00 (3.00-12.70)	3590 (540-4500)	3.34	
15+25+42+50	1.14+1.89+3.18+3.79	10.00 (2.90-10.90)	3610 (550-4500)	2.77	1.40+2.39+3.65+4.56	12.00 (3.00-12.70)	3650 (540-4500)	3.29	
15+25+42+60	1.06+1.76+2.96+4.23	10.00 (2.90-11.20)	3720 (550-4500)	2.69	1.33+2.25+3.45+4.97	12.00 (3.00-12.70)	3650 (540-4500)	3.29	
15+25+50+50	1.07+1.79+3.57+3.57	10.00 (2.90-11.50)	3800 (550-4500)	2.63	1.30+2.22+4.24+4.24	12.00 (3.00-12.70)	3650 (540-4500)	3.29	
15+25+50+60	1.00+1.72+3.18+4.00	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.24+2.10+4.02+4.64	12.00 (3.00-12.70)	3650 (540-4500)	3.29	
15+35+35+35	1.25+2.92+2.92+2.92	10.00 (2.90-12.50)	3350 (550-3700)	2.99	1.61+3.46+3.46+3.46	12.00 (3.00-12.70)	3190 (540-4000)	3.76	
15+35+35+42	1.18+2.76+2.76+3.31	10.00 (2.90-12.50)	3350 (550-3700)	2.99	1.52+3.27+3.27+3.95	12.00 (3.00-12.70)	3290 (540-4000)	3.65	
15+35+35+50	1.11+2.59+2.59+3.70	10.00 (2.90-12.50)	3800 (550-4500)	2.63	1.40+3.02+3.02+4.56	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
15+35+35+60	1.03+2.41+2.41+4.14	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.33+2.85+2.85+4.97	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
15+35+42+42	1.12+2.67+3.13+3.13	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.44+3.09+3.74+3.74	12.00 (3.00-12.70)	3490 (540-4500)	3.44	
15+35+42+50	1.06+2.46+2.96+3.52	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.33+2.87+3.47+4.33	12.00 (3.00-12.70)	3790 (540-4500)	3.17	
15+35+42+60	0.99+2.3+2.76+3.95	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.26+2.72+3.28+4.74	12.00 (3.00-12.70)	3790 (540-4500)	3.17	
15+35+50+50	1.00+2.33+3.33+3.33	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.24+2.67+4.04+4.04	12.00 (3.00-12.70)	3890 (540-4500)	3.08	
15+35+50+60	0.94+2.19+3.13+3.75	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.18+2.54+3.84+4.43	12.00 (3.00-12.70)	3890 (540-4500)	3.08	
4 units 15+42+42+42	1.06+2.98+2.98+2.98	10.00 (2.90-12.50)	3800 (550-4500)	2.63	1.36+3.55+3.55+3.55	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
15+42+42+50	1.01+2.82+2.82+3.36	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.27+3.30+3.30+4.13	12.00 (3.00-12.70)	3890 (540-4500)	3.08	
15+42+42+60	0.94+2.64+2.64+3.77	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.21+3.14+3.14+4.52	12.00 (3.00-12.70)	3890 (540-4500)	3.08	
15+42+50+50	0.96+2.68+3.18+3.18	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.19+3.09+3.86+3.86	12.00 (3.00-12.70)	3990 (540-4000)	3.01	
18+18+18+18	1.80+1.80+1.80+1.80	7.20 (2.90-8.00)	2330 (550-3120)	3.09	2.50+2.50+2.50+2.50	10.00 (3.00-10.70)	2850 (540-4000)	3.51	
18+18+18+25	1.80+1.80+1.80+2.50	7.90 (2.90-8.80)	2380 (550-3120)	3.32	2.50+2.50+2.50+3.40	10.90 (3.00-11.60)	2950 (540-4000)	3.69	
18+18+18+35	1.80+1.80+1.80+3.50	8.90 (2.90-9.90)	2630 (550-3120)	3.38	2.50+2.50+2.50+4.30	11.80 (3.00-12.50)	2950 (540-4000)	4.00	
18+18+18+42	1.80+1.80+1.80+4.20	9.60 (2.90-10.20)	2640 (550-3460)	3.64	2.36+2.36+2.36+4.91	12.00 (3.00-12.70)	3050 (540-4000)	3.93	
18+18+18+50	1.73+1.73+1.73+4.81	10.00 (2.90-11.06)	2900 (550-3460)	3.45	2.14+2.14+2.14+5.57	12.00 (3.00-12.70)	3430 (540-4000)	3.50	
18+18+18+60	1.58+1.58+1.58+5.26	10.00 (2.90-12.50)	3000 (550-3460)	3.33	2.00+2.00+2.00+6.00	12.00 (3.00-12.70)	3430 (540-4000)	3.50	
18+18+25+25	1.80+1.80+2.50+2.50	8.60 (2.90-9.60)	2690 (550-3040)	3.20	2.50+2.50+3.40+3.40	12.00 (3.00-12.70)	2950 (540-4000)	4.00	
18+18+25+35	1.80+1.80+2.50+3.50	9.60 (2.90-10.10)	2690 (550-3460)	3.57	2.36+2.36+3.21+4.06	12.00 (3.00-12.70)	3050 (540-4000)	3.93	
18+18+25+42	1.75+1.75+2.43+4.08	10.00 (2.90-10.68)	2850 (550-3460)	3.51	2.21+2.21+3.00+4.59	12.00 (3.00-12.70)	3150 (540-4000)	3.81	
18+18+25+50	1.62+1.62+2.25+4.5	10.00 (2.90-11.15)	3000 (550-3460)	3.33	2.01+2.01+2.74+5.23	12.00 (3.00-12.70)	3490 (540-4000)	3.44	
18+18+25+60	1.49+1.49+2.07+4.96	10.00 (2.90-11.60)	3000 (550-3460)	3.33	1.89+1.89+2.57+5.66	12.00 (3.00-12.70)	3490 (540-4000)	3.44	
18+18+35+35	1.70+1.70+3.30+3.30	10.00 (2.90-10.60)	2900 (550-3460)	3.45	2.21+2.21+3.79+3.79	12.00 (3.00-12.70)	3130 (540-4000)	3.83	
18+18+35+42	1.59+1.59+3.10+3.72	10.00 (2.90-10.99)	3000 (550-3460)	3.33	2.07+2.07+3.56+4.30	12.00 (3.00-12.70)	3180 (540-4000)	3.77	
18+18+35+50	1.49+1.49+2.89+4.13	10.00 (2.90-11.50)	3200 (550-3700)	3.13	1.90+1.90+3.27+4.94	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
18+18+35+60	1.37+1.37+2.67+4.58	10.00 (2.90-12.00)	3200 (550-3700)	3.13	1.79+1.79+3.07+5.36	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
18+18+42+42	1.50+1.50+3.50+3.50	10.00 (2.90-10.33)	3200 (550-3700)	3.13	1.95+1.95+4.05+4.05	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
18+18+42+50	1.41+1.41+3.28+3.91	10.00 (2.90-10.80)	3500 (550-4000)	2.86	1.80+1.80+3.74+4.67	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
18+18+42+60	1.30+1.30+3.04+4.35	10.00 (2.90-11.30)	3500 (550-4000)	2.86	1.69+1.69+3.53+5.08	12.00 (3.00-12.70)	3690 (540-4500)	3.25	
18+18+50+50	1.32+1.32+3.68+3.68	10.00 (2.90-11.20)	3680 (550-4000)	2.72	1.67+1.67+4.33+4.33	12.00 (3.00-12.70)	3790 (540-4500)	3.17	
18+18+50+60	1.23+1.23+3.42+4.11	10.00 (2.90-11.60)	3680 (550-4000)	2.72	1.58+1.58+4.11+4.74	12.00 (3.00-12.70)	3790 (540-4500)	3.17	
18+18+60+60	1.23+1.23+4.11+4.11	10.00 (2.90-12.00)	3780 (550-4000)	2.65	1.50+1.50+4.50+4.50	12.00 (3.00-12.70)	3790 (540-4500)	3.17	
18+25+25+25	1.80+2.50+2.50+2.50	9.30 (2.90-10.40)	2600 (550-3460)	3.58	2.36+3.21+3.21+3.21	12.00 (3.00-12.70)	3050 (540-4000)	3.93	
18+25+25+35	1.75+2.43+2.43+3.40	10.00 (2.90-10.99)	2740 (550-3460)	3.65	2.21+3.00+3.00+3.79	12.00 (3.00-12.70)	3150 (540-4000)	3.81	
18+25+25+42	1.64+2.27+2.27+3.82	10.00 (2.90-11.30)	2900 (550-3460)	3.45	2.07+2.81+2.81+4.30	12.00 (3.00-12.70)	3290 (540-4000)	3.65	
18+25+25+50	1.53+2.12+2.12+4.24	10.00 (2.90-11.80)	3000 (550-3460)	3.33	1.90+2.58+2.58+4.94	12.00 (3.00-12.70)	3530 (540-4000)	3.40	
18+25+25+60	1.41+1.95+1.95+4.69	10.00 (2.90-12.30)	3100 (550-3460)	3.23	1.79+2.43+2.43+5.36	12.00 (3.00-12.70)	3530 (540-4000)	3.40	
18+25+35+35	1.59+2.21+3.10+3.10	10.00 (2.90-10.99)	3000 (550-3460)	3.33	2.07+2.81+3.56+3.56	12.00 (3.00-12.70)	3180 (540-4000)	3.77	
18+25+35+42	1.50+2.08+2.92+3.50	10.00 (2.90-11.30)	3100 (550-3460)	3.23	1.95+2.65+3.35+4.05	12.00 (3.00-12.70)	3280 (540-4000)	3.66	
18+25+35+50	1.41+1.95+2.73+3.91	10.00 (2.90-11.80)	3380 (550-4000)	2.96	1.80+2.44+3.09+4.67	12.00 (3.00-12.70)	3790 (540-4500)	3.17	
18+25+35+60	1.30+1.81+2.54+4.35	10.00 (2.90-12.30)	3550 (550-4000)	2.82	1.69+2.31+2.92+5.08	12.00 (3.00-12.70)	3790 (540-4500)	3.17	
18+25+42+42	1.42+1.97+3.31+3.31	10.00 (2.90-11.30)	3200 (550-3860)	3.13	1.84+2.50+3.83+3.83	12.00 (3.00-12.70)	3750 (540-4500)	3.20	
18+25+42+50	1.33+1.85+3.11+3.70	10.00 (2.90-11.80)	3690 (550-4000)	2.71	1.70+2.32+3.55+4.43	12.00 (3.00-12.			

RAM-110NP5E		COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
4 units	18 + 25 + 50 + 60	1.18 + 1.63 + 3.27 + 3.92	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.51 + 2.05 + 3.92 + 4.52	12.00 (3.00 - 12.70)	3890 (540 - 4500)	3.08
	18 + 25 + 60 + 60	1.10 + 1.53 + 3.68 + 3.68	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.44 + 1.95 + 4.31 + 4.31	12.00 (3.00 - 12.70)	3890 (540 - 4500)	3.08
	18 + 35 + 35 + 35	1.46 + 2.85 + 2.85 + 2.85	10.00 (2.90 - 10.90)	3500 (550 - 4000)	2.86	1.95 + 3.35 + 3.35 + 3.35	12.00 (3.00 - 12.70)	3280 (540 - 4000)	3.66
	18 + 35 + 35 + 42	1.38 + 2.69 + 2.69 + 3.23	10.00 (2.90 - 11.20)	3620 (550 - 4500)	2.76	1.84 + 3.17 + 3.17 + 3.83	12.00 (3.00 - 12.70)	3350 (540 - 4000)	3.58
	18 + 35 + 35 + 50	1.30 + 2.54 + 2.54 + 3.62	10.00 (2.90 - 11.70)	3800 (550 - 4500)	2.63	1.70 + 2.93 + 2.93 + 4.43	12.00 (3.00 - 12.70)	3850 (540 - 4000)	3.12
	18 + 35 + 35 + 60	1.22 + 2.36 + 2.36 + 4.05	10.00 (2.90 - 12.30)	3800 (550 - 4500)	2.63	1.61 + 2.77 + 2.77 + 4.84	12.00 (3.00 - 12.70)	3850 (540 - 4000)	3.12
	18 + 35 + 42 + 42	1.31 + 2.55 + 3.07 + 3.07	10.00 (2.90 - 11.50)	3600 (550 - 4500)	2.78	1.74 + 3.00 + 3.63 + 3.63	12.00 (3.00 - 12.70)	2630 (540 - 4000)	4.56
	18 + 35 + 42 + 50	1.24 + 2.41 + 2.90 + 3.45	10.00 (2.90 - 12.00)	3900 (550 - 4500)	2.56	1.62 + 2.79 + 3.37 + 4.22	12.00 (3.00 - 12.70)	3850 (540 - 5000)	3.12
	18 + 35 + 42 + 60	1.16 + 2.26 + 2.71 + 3.87	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.54 + 2.65 + 3.20 + 4.62	12.00 (3.00 - 12.70)	3850 (540 - 5000)	3.12
	18 + 35 + 50 + 50	1.18 + 2.29 + 3.27 + 3.27	10.00 (2.90 - 12.30)	4000 (550 - 4500)	2.50	1.52 + 2.61 + 3.94 + 3.94	12.00 (3.00 - 12.70)	4000 (540 - 5000)	3.00
	18 + 35 + 50 + 60	1.10 + 2.15 + 3.07 + 3.68	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.44 + 2.48 + 3.75 + 4.33	12.00 (3.00 - 12.70)	4000 (540 - 5000)	3.00
	18 + 42 + 42 + 42	1.25 + 2.92 + 2.92 + 2.92	10.00 (2.90 - 12.00)	3850 (550 - 4500)	2.60	1.66 + 3.45 + 3.45 + 3.45	12.00 (3.00 - 12.70)	4000 (540 - 5000)	3.00
	18 + 42 + 42 + 50	1.18 + 2.76 + 2.76 + 3.29	10.00 (2.90 - 12.30)	4000 (550 - 4500)	2.50	1.65 + 3.22 + 3.22 + 4.02	12.00 (3.00 - 12.70)	4100 (540 - 5000)	2.93
	18 + 42 + 42 + 60	1.11 + 2.59 + 2.59 + 3.70	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.47 + 3.06 + 3.06 + 4.41	12.00 (3.00 - 12.70)	4100 (540 - 5000)	2.93
	18 + 42 + 50 + 50	1.11 + 2.59 + 3.09 + 3.09	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.45 + 3.01 + 3.77 + 3.77	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 25 + 25 + 25	2.50 + 2.50 + 2.50 + 2.50	10.00 (2.90 - 11.00)	2800 (550 - 3460)	3.57	3.00 + 3.00 + 3.00 + 3.00	12.00 (3.00 - 12.70)	3150 (540 - 4000)	3.81
	25 + 25 + 25 + 35	2.27 + 2.27 + 2.27 + 3.18	10.00 (2.90 - 11.50)	3000 (550 - 3700)	3.33	2.27 + 2.81 + 2.81 + 3.56	12.00 (3.00 - 12.70)	3290 (540 - 4000)	3.65
	25 + 25 + 25 + 42	2.14 + 2.14 + 2.14 + 3.59	10.00 (2.90 - 11.80)	3150 (550 - 3700)	3.17	2.65 + 2.65 + 2.65 + 4.05	12.00 (3.00 - 12.70)	3690 (540 - 5000)	3.25
	25 + 25 + 25 + 50	2.00 + 2.00 + 2.00 + 4.00	10.00 (2.90 - 12.30)	3450 (550 - 4000)	2.90	2.44 + 2.44 + 2.44 + 4.67	12.00 (3.00 - 12.70)	3790 (540 - 5000)	3.17
	25 + 25 + 25 + 60	1.85 + 1.85 + 1.85 + 4.44	10.00 (2.90 - 12.50)	3500 (550 - 4000)	2.86	2.31 + 2.31 + 2.31 + 5.08	12.00 (3.00 - 12.70)	3790 (540 - 5000)	3.17
	25 + 25 + 35 + 35	2.08 + 2.08 + 2.92 + 2.92	10.00 (2.90 - 11.90)	3200 (550 - 3700)	3.13	2.65 + 2.65 + 3.35 + 3.35	12.00 (3.00 - 12.70)	3490 (540 - 5000)	3.44
	25 + 25 + 35 + 42	1.97 + 1.97 + 2.76 + 3.31	10.00 (2.90 - 12.20)	3400 (550 - 4000)	2.94	2.50 + 2.50 + 3.17 + 3.83	12.00 (3.00 - 12.70)	3790 (540 - 5000)	3.17
	25 + 25 + 35 + 50	1.85 + 1.85 + 2.59 + 3.70	10.00 (2.90 - 12.60)	3600 (550 - 4500)	2.78	2.32 + 2.32 + 2.93 + 4.43	12.00 (3.00 - 12.70)	4000 (540 - 5000)	3.00
	25 + 25 + 35 + 60	1.72 + 1.72 + 4.21 + 4.14	10.00 (2.90 - 12.50)	3800 (550 - 4500)	2.63	2.19 + 2.19 + 2.77 + 4.84	12.00 (3.00 - 12.70)	4000 (540 - 5000)	3.00
	25 + 25 + 42 + 42	1.87 + 1.87 + 3.13 + 3.13	10.00 (2.90 - 12.50)	3600 (550 - 4500)	2.78	2.37 + 2.37 + 3.63 + 3.63	12.00 (3.00 - 12.70)	4000 (540 - 5000)	3.00
	25 + 25 + 42 + 50	1.76 + 1.76 + 2.96 + 3.52	10.00 (2.90 - 12.50)	3700 (550 - 4500)	2.70	2.21 + 2.21 + 3.37 + 4.22	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 25 + 42 + 60	1.64 + 1.64 + 2.76 + 3.95	10.00 (2.90 - 12.50)	3980 (550 - 4500)	2.51	2.09 + 2.09 + 3.20 + 4.62	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 25 + 50 + 50	1.67 + 1.67 + 3.33 + 3.33	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.06 + 2.06 + 3.94 + 3.94	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 25 + 50 + 60	1.56 + 1.56 + 3.13 + 3.75	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.96 + 1.96 + 3.75 + 4.33	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 35 + 35 + 35	1.92 + 2.69 + 2.69 + 2.69	10.00 (2.90 - 12.23)	3520 (550 - 4500)	2.84	2.50 + 3.17 + 3.17 + 3.17	12.00 (3.00 - 12.70)	3890 (540 - 5000)	3.08
	25 + 35 + 35 + 42	1.82 + 2.55 + 2.55 + 3.07	10.00 (2.90 - 12.50)	3630 (550 - 4500)	2.75	2.37 + 3.00 + 3.00 + 3.63	12.00 (3.00 - 12.70)	4000 (540 - 5000)	3.00
	25 + 35 + 35 + 50	1.72 + 2.41 + 2.41 + 3.45	10.00 (2.90 - 12.50)	3920 (550 - 4500)	2.55	2.21 + 2.79 + 2.79 + 4.22	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 35 + 35 + 60	1.61 + 2.26 + 2.26 + 3.87	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.09 + 2.65 + 2.65 + 4.62	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 35 + 42 + 42	1.74 + 2.43 + 2.92 + 2.92	10.00 (2.90 - 12.50)	3820 (550 - 4500)	2.62	2.25 + 2.85 + 3.45 + 3.45	12.00 (3.00 - 12.70)	4100 (540 - 5000)	2.93
	25 + 35 + 42 + 50	1.64 + 2.30 + 2.76 + 3.29	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.10 + 2.66 + 3.22 + 4.02	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 35 + 42 + 60	1.54 + 2.16 + 2.59 + 3.70	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.00 + 2.53 + 3.06 + 4.41	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	25 + 35 + 50 + 50	1.56 + 2.19 + 3.13 + 3.13	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.97 + 2.49 + 3.77 + 3.77	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	35 + 35 + 35 + 35	2.50 + 2.50 + 2.50 + 2.50	10.00 (2.90 - 12.50)	3800 (550 - 4500)	2.63	3.00 + 3.00 + 3.00 + 3.00	12.00 (3.00 - 12.70)	4200 (540 - 5000)	2.86
	35 + 35 + 35 + 42	2.38 + 2.38 + 2.38 + 2.86	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.85 + 2.85 + 2.85 + 3.45	12.00 (3.00 - 12.70)	4300 (540 - 5000)	2.79
	35 + 35 + 35 + 50	2.26 + 2.26 + 2.26 + 3.23	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.66 + 2.66 + 2.66 + 4.02	12.00 (3.00 - 12.70)	4500 (540 - 5000)	2.67
35 + 35 + 35 + 60	2.12 + 2.12 + 2.12 + 3.64	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.53 + 2.53 + 2.53 + 4.41	12.00 (3.00 - 12.70)	4500 (540 - 5000)	2.67	
35 + 35 + 42 + 42	2.27 + 2.27 + 2.73 + 2.73	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.72 + 2.72 + 3.28 + 3.28	12.00 (3.00 - 12.70)	4500 (540 - 5000)	2.67	
35 + 35 + 42 + 50	2.16 + 2.16 + 2.59 + 3.09	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	2.54 + 2.54 + 3.07 + 3.84	12.00 (3.00 - 12.70)	4500 (540 - 5000)	2.67	
5 units	15 + 15 + 15 + 15 + 15	1.50 + 1.50 + 1.50 + 1.50 + 1.50	7.50 (2.40 - 8.00)	2200 (550 - 2800)	3.41	2.00 + 2.00 + 2.00 + 2.00 + 2.00	10.00 (3.40 - 10.70)	2350 (610 - 2820)	4.26
	15 + 15 + 15 + 15 + 18	1.50 + 1.50 + 1.50 + 1.50 + 1.80	7.80 (2.70 - 8.40)	2280 (550 - 2800)	3.42	2.00 + 2.00 + 2.00 + 2.00 + 2.50	10.50 (3.40 - 11.20)	2450 (610 - 2832)	4.29
	15 + 15 + 15 + 15 + 25	1.50 + 1.50 + 1.50 + 1.50 + 2.50	8.50 (2.90 - 9.20)	2330 (550 - 2800)	3.65	2.00 + 2.00 + 2.00 + 2.00 + 3.40	11.40 (3.40 - 12.10)	2550 (610 - 2880)	4.47
	15 + 15 + 15 + 15 + 35	1.50 + 1.50 + 1.50 + 1.50 + 3.50	9.50 (2.90 - 10.30)	2720 (550 - 3460)	3.49	1.95 + 1.95 + 1.95 + 1.95 + 4.20	12.00 (3.40 - 12.70)	2850 (610 - 4000)	4.21
	15 + 15 + 15 + 15 + 42	1.47 + 1.47 + 1.47 + 1.47 + 4.12	10.00 (2.90 - 10.39)	2930 (550 - 3460)	3.41	1.82 + 1.82 + 1.82 + 1.82 + 4.73	12.00 (3.40 - 12.70)	2950 (610 - 4000)	4.07
	15 + 15 + 15 + 15 + 50	1.36 + 1.36 + 1.36 + 1.36 + 4.55	10.00 (2.90 - 10.82)	3000 (550 - 3460)	3.33	1.66 + 1.66 + 1.66 + 1.66 + 5.38	12.00 (3.40 - 12.70)	3290 (610 - 4000)	3.65
	15 + 15 + 15 + 15 + 60	1.25 + 1.25 + 1.25 + 1.25 + 5.00	10.00 (2.90 - 11.30)	3000 (550 - 3460)	3.33	1.55 + 1.55 + 1.55 + 1.55 + 5.81	12.00 (3.40 - 12.70)	3290 (610 - 4000)	3.65
	15 + 15 + 15 + 18 + 18	1.50 + 1.50 + 1.50 + 1.80 + 1.80	8.10 (2.90 - 8.80)	2150 (550 - 2292)	3.77	2.00 + 2.00 + 2.00 + 2.50 + 2.50	11.00 (3.40 - 11.70)	2480 (610 - 4000)	4.44
	15 + 15 + 15 + 18 + 25	1.50 + 1.50 + 1.50 + 1.80 + 2.50	8.80 (2.90 - 9.60)	2200 (550 - 3460)	4.00	2.00 + 2.00 + 2.00 + 2.50 + 3.40	11.90 (3.40 - 12.60)	2580 (610 - 4000)	4.61
	15 + 15 + 15 + 18 + 35	1.50 + 1.50 + 1.50 + 1.80 + 3.50	9.80 (2.90 - 10.70)	2620 (550 - 3460)	3.74	1.88 + 1.88 + 1.88 + 2.34 + 4.03	12.00 (3.40 - 12.70)	2780 (610 - 4000)	4.32
	15 + 15 + 15 + 18 + 42	1.43 + 1.43 + 1.43 + 1.71 + 4.00	10.00 (2.90 - 11.00)	2620 (550 - 3460)	3.82	1.75 + 1.75 + 1.75 + 2.19 + 4.55	12.00 (3.40 - 12.70)	2780 (610 - 4000)	4.32
	15 + 15 + 15 + 18 + 50	1.33 + 1.33 + 1.33 + 1.59 + 4.42	10.00 (2.90 - 11.30)	3000 (550 - 3460)	3.33	1.60 + 1.60 + 1.60 + 2.00 + 5.20	12.00 (3.40 - 12.70)	3490 (610 - 4000)	3.44
	15 + 15 + 15 + 18 + 60	1.22 + 1.22 + 1.22 + 1.46 + 4.88	10.00 (2.90 - 11.60)	3000 (550 - 3460)	3.33	1.50 + 1.50 + 1.50 + 1.88 + 5.63	12.00 (3.40 - 12.70)	3490 (610 - 4000)	3.44
	15 + 15 + 15 + 25 + 25	1.50 + 1.50 + 1.50 + 2.50 + 2.50	9.50 (2.90 - 9.90)	3000 (550 - 3460)	3.17	1.88 + 1.88 + 1.88 + 3.19 + 3.19	12.00 (3.40 - 12.70)	2680 (610 - 4000)	4.48
	15 + 15 + 15 + 25 + 35	1.43 + 1.43 + 1.43 + 2.38 + 3.33	10.00 (2.90 - 10.30)	3000 (550 - 3460)	3.33	1.75 + 1.75 + 1.75 + 2.98 + 3.77	12.00 (3.40 - 12.70)	2980 (610 - 4000)	4.03
	15 + 15 + 15 + 25 + 42	1.34 + 1.34 + 1.34 + 2.23 + 3.75	10.00 (2.90 - 10.80)	3000 (550 - 3460)	3.33	1.64 + 1.64 + 1.64 + 2.79 + 4.27	12.00 (3.40 - 12.70)	2980 (610 - 4000)	4.03
	15 + 15 + 15 + 25 + 50	1.25 + 1.25 + 1.25 + 2.08 + 4.17	10.00 (2.90 - 11.30)	3500 (550 - 4000)	2.86	1.51 + 1.51 + 1.51 + 2.57 + 4.91	12.00 (3.40 - 12.70)	3590 (610 - 4000)	3.34
	15 + 15 + 15 + 25 + 60	1.15 + 1.15 + 1.15 + 1.92 + 4.62	10.00 (2.90 - 11.80)	3500 (550 - 4000)	2.86	1.42 + 1.42 + 1.42 + 2.41 + 5.33	12.00 (3.40 - 12.70)	3590 (610 - 4000)	3.34
	15 + 15 + 15 + 35 + 35	1.30 + 1.30 + 1.30 + 3.04 + 3.04	10.00 (2.90 - 12.50)	3500 (550 - 4000)	2.86	1.64 + 1.64 + 1.64 + 3.53 + 3.53	12.00 (3.40 - 12.70)	2980 (610 - 4000)	4.03
	15 + 15 + 15 + 35 + 42	1.23 + 1.23 + 1.23 + 2.87 + 3.44	10.00 (2.90 - 11.50)	3500 (550 - 4000)	2.86	1.55 + 1.55 + 1.55 + 3.33 + 4.03	12.00 (3.40 - 12.70)	3290 (610 - 4000)	3.65
	15 + 15 + 15 + 35 + 50	1.15 + 1.15 + 1.15 + 2.69 + 3.85	10.00 (2.90 - 12.00)	4000 (550 - 4500)	2.50	1.43 + 1.43 + 1.43 + 3.07 + 4.64	12.00 (3.40 - 12.70)	3690 (610 - 4500)	3.25
	15 + 15 + 15 + 35 + 60	1.07 + 1.07 + 1.07 + 2.50 + 4.29	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.35 + 1.35 + 1.35 + 2.9 + 5.06	12.00 (3.40 - 12.70)	3690 (610 - 4500)	3.25
	15 + 15 + 15 + 42 + 42	1.16 + 1.16 + 1.16 + 3.26 + 3.26	10.00 (2.90 - 11.80)	4000 (550 - 4500)	2.50	1.46 + 1.46 + 1.46 + 3.80 + 3.80	12.00 (3.40 - 12.70)	3380 (610 - 4500)	3.55
	15 + 1								

Indoor unit combinations

Standard multi-split



Multi-split

RAM-110NP5E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
15+15+18+25+35	1.39+1.39+1.67+2.31+3.24	10.00 (2.90 - 10.80)	2690 (550 - 3460)	3.72	1.69+1.69+2.11+2.87+3.63	12.00 (3.40 - 12.70)	3030 (610 - 4000)	3.96	
15+15+18+25+42	1.30+1.30+1.57+2.17+3.65	10.00 (2.90 - 11.10)	3000 (550 - 3660)	3.33	1.59+1.59+1.99+2.70+4.13	12.00 (3.40 - 12.70)	3030 (610 - 4000)	3.96	
15+15+18+25+50	1.22+1.22+1.46+2.03+4.07	10.00 (2.90 - 11.60)	3380 (550 - 4000)	2.96	1.46+1.46+1.83+2.49+4.76	12.00 (3.40 - 12.70)	3650 (610 - 4000)	3.29	
15+15+18+25+60	1.13+1.13+1.35+1.88+4.51	10.00 (2.90 - 12.10)	3380 (550 - 4000)	2.96	1.38+1.38+1.72+2.34+5.17	12.00 (3.40 - 12.70)	3650 (610 - 4000)	3.29	
15+15+18+35+35	1.27+1.27+1.53+2.97+2.97	10.00 (2.90 - 12.50)	3380 (550 - 4000)	2.96	1.59+1.59+1.99+3.42+3.42	12.00 (3.40 - 12.70)	3190 (610 - 4000)	3.76	
15+15+18+35+42	1.20+1.20+1.44+2.80+3.36	10.00 (2.90 - 12.50)	3380 (550 - 4000)	2.96	1.50+1.50+1.88+3.23+3.90	12.00 (3.40 - 12.70)	3290 (610 - 4000)	3.65	
15+15+18+35+50	1.13+1.13+1.35+2.63+3.76	10.00 (2.90 - 12.50)	3820 (550 - 4500)	2.62	1.39+1.39+1.73+2.98+4.51	12.00 (3.40 - 12.70)	3780 (610 - 4500)	3.17	
15+15+18+35+60	1.05+1.05+1.26+2.45+4.20	10.00 (2.90 - 12.50)	3820 (550 - 4500)	2.62	1.31+1.31+1.64+2.82+4.92	12.00 (3.40 - 12.70)	3780 (610 - 4500)	3.17	
15+15+18+42+42	1.14+1.14+1.36+3.18+3.18	10.00 (2.90 - 11.60)	3820 (550 - 4500)	2.62	1.42+1.42+1.78+3.69+3.69	12.00 (3.40 - 12.70)	3780 (610 - 4500)	3.17	
15+15+18+42+50	1.07+1.07+1.29+3.00+3.57	10.00 (2.90 - 12.10)	4000 (550 - 4500)	2.50	1.32+1.32+1.65+3.43+4.29	12.00 (3.40 - 12.70)	3780 (610 - 4500)	3.17	
15+15+18+42+60	1.00+1.00+1.20+2.80+4.00	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.25+1.25+1.56+3.25+4.69	12.00 (3.40 - 12.70)	3780 (610 - 4500)	3.17	
15+15+18+50+50	1.01+1.01+1.22+3.38+3.38	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.23+1.23+1.54+4.00+4.00	12.00 (3.40 - 12.70)	3890 (610 - 4500)	3.08	
15+15+18+50+60	0.95+0.95+1.14+3.16+3.80	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.17+1.17+1.46+3.80+4.39	12.00 (3.40 - 12.70)	3890 (610 - 4500)	3.08	
15+15+25+25+25	1.43+1.43+2.38+2.38+2.38	10.00 (2.90 - 11.05)	2690 (550 - 3460)	3.72	1.69+1.69+2.87+2.87+2.87	12.00 (3.40 - 12.70)	2890 (610 - 4000)	4.15	
15+15+25+25+35	1.30+1.30+2.17+2.17+3.04	10.00 (2.90 - 11.50)	3000 (550 - 3460)	3.33	1.59+1.59+2.70+2.70+3.42	12.00 (3.40 - 12.70)	3130 (610 - 4000)	3.83	
15+15+25+25+42	1.23+1.23+2.05+2.05+3.44	10.00 (2.90 - 11.80)	3280 (550 - 3800)	3.05	1.50+1.50+2.55+2.55+3.90	12.00 (3.40 - 12.70)	3130 (610 - 4000)	3.83	
15+15+25+25+50	1.15+1.15+1.92+1.92+3.85	10.00 (2.90 - 12.10)	3480 (550 - 4000)	2.87	1.39+1.39+2.36+2.36+4.51	12.00 (3.40 - 12.70)	3780 (610 - 4000)	3.17	
15+15+25+25+60	1.07+1.07+1.79+1.79+4.29	10.00 (2.90 - 12.50)	3480 (550 - 4000)	2.87	1.31+1.31+2.23+2.23+4.92	12.00 (3.40 - 12.70)	3780 (610 - 4000)	3.17	
15+15+25+35+35	1.20+1.20+2.00+2.80+2.80	10.00 (2.90 - 12.00)	3280 (550 - 3800)	3.05	1.50+1.50+2.55+3.23+3.23	12.00 (3.40 - 12.70)	3250 (610 - 4000)	3.69	
15+15+25+35+42	1.14+1.14+1.89+2.65+3.18	10.00 (2.90 - 12.50)	3480 (550 - 4000)	2.87	1.42+1.42+2.41+3.05+3.69	12.00 (3.40 - 12.70)	3350 (610 - 4000)	3.58	
15+15+25+35+50	1.07+1.07+1.79+2.50+3.57	10.00 (2.90 - 12.50)	3620 (550 - 4000)	2.76	1.32+1.32+2.24+2.84+4.29	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+15+25+35+60	1.00+1.00+1.67+2.33+4.00	10.00 (2.90 - 12.50)	3620 (550 - 4000)	2.76	1.25+1.25+2.13+2.69+4.69	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+15+25+42+42	1.08+1.08+1.80+3.02+3.02	10.00 (2.90 - 12.50)	3620 (550 - 4000)	2.76	1.35+1.35+2.29+3.51+3.51	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+15+25+42+50	1.02+1.02+1.70+2.86+3.40	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.26+1.26+2.14+3.27+4.08	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+15+25+42+60	0.97+0.97+1.61+3.23+3.23	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.18+1.18+2.00+3.82+3.82	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+15+25+50+60	0.91+0.91+1.52+3.03+3.64	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.12+1.12+1.91+3.64+4.21	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+15+35+35+35	1.11+1.11+2.59+2.59+2.59	10.00 (2.90 - 12.50)	3620 (550 - 4000)	2.76	1.42+1.42+3.05+3.05+3.05	12.00 (3.40 - 12.70)	3360 (610 - 4000)	3.57	
15+15+35+35+42	1.06+1.06+2.46+2.46+2.96	10.00 (2.90 - 12.50)	3620 (550 - 4000)	2.76	1.35+1.35+2.90+2.90+3.51	12.00 (3.40 - 12.70)	3360 (610 - 4000)	3.57	
15+15+35+35+50	1.00+1.00+2.33+2.33+3.33	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.26+1.26+2.70+2.70+4.08	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+15+35+35+60	0.94+0.94+2.19+2.19+3.75	10.00 (2.90 - 12.50)	4000 (550 - 3460)	2.50	1.19+1.19+2.57+2.57+4.48	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+18+18+18	1.50+1.80+1.80+1.80+1.80	8.70 (2.90 - 9.60)	2530 (550 - 3460)	3.44	2.00+2.50+2.50+2.50+2.50	12.00 (3.40 - 12.70)	2630 (610 - 4000)	4.56	
15+18+18+18+25	1.50+1.80+1.80+1.80+2.50	9.40 (2.90 - 10.10)	2690 (550 - 3460)	3.49	1.86+2.33+2.33+2.33+3.16	12.00 (3.40 - 12.70)	2730 (610 - 4000)	4.40	
15+18+18+18+35	1.44+1.73+1.73+1.73+3.37	10.00 (2.90 - 10.60)	2690 (550 - 3460)	3.72	1.74+2.17+2.17+2.17+3.74	12.00 (3.40 - 12.70)	2830 (610 - 4000)	4.24	
15+18+18+18+42	1.35+1.62+1.62+1.62+3.78	10.00 (2.90 - 10.90)	3000 (550 - 3460)	3.33	1.63+2.04+2.04+2.04+4.24	12.00 (3.40 - 12.70)	3030 (610 - 4000)	3.96	
15+18+18+18+50	1.26+1.51+1.51+1.51+4.20	10.00 (2.90 - 11.40)	3260 (550 - 3460)	3.07	1.50+1.88+1.88+1.88+4.88	12.00 (3.40 - 12.70)	3690 (610 - 4000)	3.25	
15+18+18+18+60	1.16+1.40+1.40+1.40+4.65	10.00 (2.90 - 12.00)	3260 (550 - 3460)	3.07	1.41+1.76+1.76+1.76+5.29	12.00 (3.40 - 12.70)	3690 (610 - 4000)	3.25	
15+18+18+25+25	1.49+1.78+1.78+2.48+2.48	10.00 (2.90 - 10.60)	2690 (550 - 3460)	3.72	1.74+2.17+2.17+2.96+2.96	12.00 (3.40 - 12.70)	2890 (610 - 4000)	4.15	
15+18+18+25+35	1.35+1.62+1.62+2.25+3.15	10.00 (2.90 - 11.08)	2690 (550 - 3460)	3.72	1.63+2.04+2.04+2.78+3.51	12.00 (3.40 - 12.70)	2980 (610 - 4000)	4.03	
15+18+18+25+42	1.27+1.53+1.53+2.12+3.56	10.00 (2.90 - 11.40)	3260 (550 - 3800)	3.07	1.54+1.92+1.92+2.62+4.00	12.00 (3.40 - 12.70)	3130 (610 - 4000)	3.83	
15+18+18+25+50	1.19+1.43+1.43+1.98+3.97	10.00 (2.90 - 11.70)	3260 (550 - 3800)	3.07	1.42+1.78+1.78+2.41+4.62	12.00 (3.40 - 12.70)	3790 (610 - 4500)	3.17	
15+18+18+25+60	1.10+1.32+1.32+1.84+4.41	10.00 (2.90 - 12.20)	3550 (550 - 4000)	2.82	1.34+1.68+1.68+2.28+5.03	12.00 (3.40 - 12.70)	3790 (610 - 4500)	3.17	
15+18+18+35+35	1.24+1.49+1.49+2.89+2.89	10.00 (2.90 - 12.50)	3260 (550 - 4000)	3.07	1.54+1.92+1.92+3.31+3.31	12.00 (3.40 - 12.70)	3030 (610 - 4000)	3.96	
15+18+18+35+42	1.17+1.41+1.41+2.73+3.28	10.00 (2.90 - 12.50)	3550 (550 - 4000)	2.82	1.45+1.82+1.82+3.13+3.78	12.00 (3.40 - 12.70)	3250 (610 - 4000)	3.69	
15+18+18+35+50	1.10+1.32+1.32+2.57+3.68	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.35+1.69+1.69+2.9+4.38	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+18+35+60	1.03+1.23+1.23+2.40+4.11	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.28+1.60+1.60+2.74+4.79	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+18+42+42	1.11+1.33+1.33+3.11+3.11	10.00 (2.90 - 12.50)	3680 (550 - 4500)	2.72	1.38+1.72+1.72+3.59+3.59	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+18+42+50	1.05+1.26+1.26+2.94+3.50	10.00 (2.90 - 12.50)	3680 (550 - 4500)	2.72	1.28+1.60+1.60+3.34+4.17	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+18+42+60	0.98+1.18+1.18+2.75+3.92	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.22+1.52+1.52+3.17+4.57	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+18+50+50	0.99+1.19+1.19+3.31+3.31	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.20+1.50+1.50+3.90+3.90	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+18+18+50+60	0.93+1.12+1.12+3.11+3.73	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.14+1.43+1.43+3.71+4.29	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+18+25+25+25	1.39+1.67+2.31+2.31+2.31	10.00 (2.90 - 11.11)	3000 (550 - 3460)	3.33	1.63+2.04+2.78+2.78+2.78	12.00 (3.40 - 12.70)	2980 (610 - 4000)	4.03	
15+18+25+25+35	1.27+1.53+2.12+2.12+2.97	10.00 (2.90 - 12.50)	3000 (550 - 3460)	3.33	1.54+1.92+2.62+2.62+3.31	12.00 (3.40 - 12.70)	3030 (610 - 4000)	3.96	
15+18+25+25+42	1.20+1.44+2.00+2.00+3.36	10.00 (2.90 - 12.50)	3260 (550 - 3800)	3.07	1.45+1.82+2.47+2.47+3.78	12.00 (3.40 - 12.70)	3250 (610 - 4000)	3.69	
15+18+25+25+50	1.13+1.35+1.88+1.88+3.76	10.00 (2.90 - 12.50)	3680 (550 - 4000)	2.72	1.35+1.69+2.29+2.29+4.38	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+25+25+60	1.05+1.26+1.75+1.75+4.20	10.00 (2.90 - 12.50)	3680 (550 - 4000)	2.72	1.28+1.60+2.17+2.17+4.79	12.00 (3.40 - 12.70)	3890 (610 - 5000)	3.08	
15+18+25+35+35	1.17+1.41+1.95+2.73+2.73	10.00 (2.90 - 12.50)	3680 (550 - 4000)	2.72	1.45+1.82+2.47+3.13+3.13	12.00 (3.40 - 12.70)	3130 (610 - 4000)	3.83	
15+18+25+35+42	1.11+1.33+1.85+2.59+3.11	10.00 (2.90 - 12.50)	3680 (550 - 4000)	2.72	1.38+1.72+2.34+2.97+3.59	12.00 (3.40 - 12.70)	3290 (610 - 4000)	3.65	
15+18+25+35+50	1.05+1.26+1.75+2.45+3.50	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.28+1.60+2.18+2.76+4.17	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+18+25+35+60	0.98+1.18+1.63+2.29+3.92	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.22+1.52+2.07+2.62+4.57	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+18+25+42+42	1.06+1.27+1.76+2.96+2.96	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.31+1.64+2.23+3.41+3.41	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+18+25+42+50	1.00+1.20+1.67+2.80+3.33	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.22+1.53+2.08+3.18+3.98	12.00 (3.40 - 12.70)	4200 (610 - 5000)	2.86	
15+18+25+42+60	0.94+1.13+1.56+2.63+3.75	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.17+1.46+1.98+3.03+4.37	12.00 (3.40 - 12.70)	4200 (610 - 5000)	2.86	
15+18+35+35+35	1.09+1.30+2.54+2.54+2.54	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.38+1.72+2.97+2.97+2.97	12.00 (3.40 - 12.70)	3280 (610 - 4000)	3.66	
15+18+35+35+42	1.03+1.24+2.41+2.41+2.90	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.31+1.64+2.82+2.82+3.41	12.00 (3.40 - 12.70)	3390 (610 - 4000)	3.54	
15+18+35+35+50	0.98+1.18+2.29+2.29+3.27	10.00 (2.90 - 12.50)	4000 (550 - 4500)	2.50	1.22+1.53+2.63+2.63+3.98	12.00 (3.40 - 12.70)	4000 (610 - 5000)	3.00	
15+25+25+25+25	1.30+2.17+2.17+2.17+2.17	10.00 (2.90 - 12.50)	3000 (550 - 3460)	3.33	1.54+2.62+2.62+2.62+2.62	12.00 (3.40 - 12.70)	3000		

RAM-110NP5E	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
15+25+25+35+42	1.06+1.76+1.76+2.46+2.96	10.00 (2.90-12.50)	3680 (550-4000)	2.72	1.31+2.23+2.23+2.82+3.41	12.00 (3.40-12.70)	3390 (610-4000)	3.54	
15+25+25+35+50	1.00+1.67+1.67+2.33+3.33	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.22+2.08+2.08+2.63+3.98	12.00 (3.40-12.70)	4100 (610-4000)	2.93	
15+25+25+35+60	0.94+1.56+1.56+2.19+3.75	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.17+1.98+1.98+2.50+4.37	12.00 (3.40-12.70)	4100 (610-4000)	2.93	
15+25+25+42+42	1.01+1.68+1.68+2.82+2.82	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.25+2.13+2.13+3.25+3.25	12.00 (3.40-12.70)	4000 (610-4000)	3.00	
15+25+25+42+50	0.96+1.59+1.59+2.68+3.18	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.17+1.99+1.99+3.04+3.80	12.00 (3.40-12.70)	4200 (610-4000)	2.86	
15+25+25+50+50	0.91+1.52+1.52+3.03+3.03	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.10+1.87+1.87+3.58+3.58	12.00 (3.40-12.70)	4200 (610-4000)	2.86	
15+25+35+35+35	1.03+1.72+2.41+2.41+2.41	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.31+2.23+2.82+2.82+2.82	12.00 (3.40-12.70)	3390 (610-4000)	3.54	
15+25+35+35+42	0.99+1.64+2.30+2.30+2.76	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.25+2.13+2.69+2.69+3.25	12.00 (3.40-12.70)	3490 (610-4000)	3.44	
15+25+35+35+50	0.94+1.56+2.19+2.19+3.13	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.17+1.99+2.52+2.52+3.80	12.00 (3.40-12.70)	4200 (610-4000)	2.86	
15+25+35+42+42	0.94+1.57+2.20+2.64+2.64	10.00 (2.90-12.50)	4000 (550-4500)	2.50	1.19+2.03+2.57+3.10+3.10	12.00 (3.40-12.70)	4200 (610-4000)	2.86	
18+18+18+18+18	1.80+1.80+1.80+1.80+1.80	9.00 (2.90-10.00)	2530 (600-3040)	3.56	2.40+2.40+2.40+2.40+2.40	12.00 (3.40-12.70)	2780 (610-4000)	4.32	
18+18+18+18+25	1.80+1.80+1.80+1.80+2.50	9.70 (2.90-10.80)	2690 (600-3040)	3.61	2.24+2.24+2.24+2.24+3.04	12.00 (3.40-12.70)	2890 (610-4000)	4.15	
18+18+18+18+35	1.68+1.68+1.68+1.68+3.27	10.00 (2.90-11.12)	2690 (600-3040)	3.72	2.10+2.10+2.10+2.10+3.61	12.00 (3.40-12.70)	2980 (610-4000)	4.03	
18+18+18+18+42	1.58+1.58+1.58+1.58+3.68	10.00 (2.90-11.50)	3000 (600-3600)	3.33	1.97+1.97+1.97+1.97+4.11	12.00 (3.40-12.70)	3230 (610-4000)	3.72	
18+18+18+18+50	1.48+1.48+1.48+1.48+4.10	10.00 (2.90-11.90)	3260 (600-3600)	3.07	1.82+1.82+1.82+1.82+4.73	12.00 (3.40-12.70)	3890 (610-5000)	3.08	
18+18+18+18+60	1.36+1.36+1.36+1.36+4.55	10.00 (2.90-12.40)	3260 (600-3600)	3.07	1.71+1.71+1.71+1.71+5.14	12.00 (3.40-12.70)	3890 (610-5000)	3.08	
18+18+18+25+25	1.73+1.73+1.73+2.40+2.40	10.00 (2.90-11.15)	2690 (600-3040)	3.72	2.10+2.10+2.10+2.85+2.85	12.00 (3.40-12.70)	2890 (610-4000)	4.15	
18+18+18+25+35	1.58+1.58+1.58+2.19+3.07	10.00 (2.90-11.60)	3000 (600-3600)	3.33	1.97+1.97+1.97+2.68+3.39	12.00 (3.40-12.70)	2980 (610-4000)	4.03	
18+18+18+25+42	1.49+1.49+1.49+2.07+3.47	10.00 (2.90-11.90)	3260 (600-3600)	3.07	1.86+1.86+1.86+2.53+3.88	12.00 (3.40-12.70)	3360 (610-4000)	3.57	
18+18+18+25+50	1.40+1.40+1.40+1.94+3.88	10.00 (2.90-12.30)	3260 (600-3600)	3.07	1.72+1.72+1.72+2.34+4.48	12.00 (3.40-12.70)	4000 (610-5000)	3.00	
18+18+18+25+60	1.29+1.29+1.29+1.80+4.32	10.00 (2.90-12.50)	3680 (600-4000)	2.72	1.63+1.63+1.63+2.22+4.89	12.00 (3.40-12.70)	4000 (610-5000)	3.00	
18+18+18+35+35	1.45+1.45+1.45+2.82+2.82	10.00 (2.90-12.50)	3260 (600-3600)	3.07	1.86+1.86+1.86+3.20+3.20	12.00 (3.40-12.70)	2980 (610-4000)	4.03	
18+18+18+35+42	1.37+1.37+1.37+2.67+3.21	10.00 (2.90-12.50)	3680 (600-4000)	2.72	1.76+1.76+1.76+3.04+3.67	12.00 (3.40-12.70)	3480 (610-4000)	3.45	
18+18+18+35+50	1.29+1.29+1.29+2.52+3.60	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.64+1.64+1.64+2.82+4.26	12.00 (3.40-12.70)	4200 (610-5000)	2.86	
18+18+18+35+60	1.21+1.21+1.21+2.35+4.03	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.55+1.55+1.55+2.67+4.66	12.00 (3.40-12.70)	4200 (610-5000)	2.86	
18+18+18+42+42	1.30+1.30+1.30+3.04+3.04	10.00 (2.90-12.50)	3680 (600-4000)	2.72	1.68+1.68+1.68+3.49+3.49	12.00 (3.40-12.70)	3680 (610-5000)	3.26	
18+18+18+42+50	1.23+1.23+1.23+2.88+3.42	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.56+1.56+1.56+3.25+4.06	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+18+18+42+60	1.15+1.15+1.15+2.69+3.85	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.49+1.49+1.49+3.09+4.46	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+18+18+50+50	1.17+1.17+1.17+3.25+3.25	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.46+1.46+1.46+3.80+3.80	12.00 (3.40-12.70)	4400 (610-5000)	2.73	
18+18+18+50+60	1.10+1.10+1.10+3.05+3.66	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.40+1.40+1.40+3.63+4.19	12.00 (3.40-12.70)	4400 (610-5000)	2.73	
18+18+25+25+25	1.62+1.62+2.25+2.25+2.25	10.00 (2.90-11.17)	3000 (600-3600)	3.33	1.97+1.97+2.68+2.68+2.68	12.00 (3.40-12.70)	2980 (610-4000)	4.03	
18+18+25+25+35	1.49+1.49+2.07+2.07+2.89	10.00 (2.90-12.50)	3000 (600-3600)	3.33	1.86+1.86+2.53+2.53+3.20	12.00 (3.40-12.70)	3130 (610-4000)	3.83	
18+18+25+25+42	1.41+1.41+1.95+1.95+3.28	10.00 (2.90-12.50)	3260 (600-3600)	3.07	1.76+1.76+2.40+2.40+3.67	12.00 (3.40-12.70)	3450 (610-4000)	3.48	
18+18+25+25+50	1.32+1.32+1.84+1.84+3.68	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.64+1.64+2.23+2.23+4.26	12.00 (3.40-12.70)	4100 (610-5000)	2.93	
18+18+25+25+60	1.23+1.23+1.71+1.71+4.11	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.55+1.55+2.11+2.11+4.66	12.00 (3.40-12.70)	4100 (610-5000)	2.93	
18+18+25+35+35	1.37+1.37+1.91+2.67+2.67	10.00 (2.90-12.50)	3680 (600-4000)	2.72	1.76+1.76+2.40+3.04+3.04	12.00 (3.40-12.70)	3130 (610-4000)	3.83	
18+18+25+35+42	1.30+1.30+1.81+2.54+3.04	10.00 (2.90-12.50)	3680 (600-4000)	2.72	1.68+1.68+2.28+2.88+3.49	12.00 (3.40-12.70)	3580 (610-4000)	3.35	
18+18+25+35+50	1.23+1.23+1.71+2.40+3.42	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.56+1.56+2.13+2.69+4.06	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+18+25+35+60	1.15+1.15+1.60+2.24+3.85	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.49+1.49+2.02+2.55+4.46	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+18+25+42+42	1.24+1.24+1.72+2.90+2.90	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.60+1.60+2.17+3.32+3.32	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+18+25+42+50	1.18+1.18+1.63+2.75+3.27	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.49+1.49+2.03+3.10+3.88	12.00 (3.40-12.70)	4400 (610-5000)	2.73	
18+18+25+42+60	1.10+1.10+1.53+2.58+3.68	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.42+1.42+1.93+2.96+4.27	12.00 (3.40-12.70)	4400 (610-5000)	2.73	
18+18+25+50+50	1.12+1.12+1.55+3.11+3.11	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.40+1.40+1.91+3.64+3.64	12.00 (3.40-12.70)	4500 (610-5000)	2.67	
18+18+35+35+35	1.28+1.28+2.48+2.48+2.48	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.68+1.68+2.88+2.88+2.88	12.00 (3.40-12.70)	3280 (610-4000)	3.66	
18+18+35+35+42	1.22+1.22+2.36+2.36+2.84	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.60+1.60+2.74+2.74+3.32	12.00 (3.40-12.70)	3580 (610-4000)	3.35	
18+18+35+35+50	1.15+1.15+2.24+2.24+3.21	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.49+1.49+2.57+2.57+3.88	12.00 (3.40-12.70)	4200 (610-5000)	2.86	
18+18+35+35+60	1.08+1.08+2.11+2.11+3.61	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.42+1.42+2.45+2.45+4.27	12.00 (3.40-12.70)	4200 (610-5000)	2.86	
18+18+35+42+42	1.16+1.16+2.26+2.71+2.71	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.52+1.52+2.62+3.17+3.17	12.00 (3.40-12.70)	4200 (610-5000)	2.86	
18+18+35+42+50	1.10+1.10+2.15+2.58+3.07	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.43+1.43+2.46+2.97+3.71	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+25+25+25+25	1.53+2.12+2.12+2.12+2.12	10.00 (2.90-12.50)	3000 (600-3600)	3.33	1.86+2.53+2.53+2.53+2.53	12.00 (3.40-12.70)	3130 (610-4000)	3.83	
18+25+25+25+35	1.41+1.95+1.95+1.95+2.73	10.00 (2.90-12.50)	3000 (600-3600)	3.33	1.76+2.40+2.40+2.40+3.04	12.00 (3.40-12.70)	3300 (610-4000)	3.64	
18+25+25+25+42	1.33+1.85+1.85+1.85+3.11	10.00 (2.90-12.50)	3260 (600-3600)	3.07	1.68+2.28+2.28+2.28+3.49	12.00 (3.40-12.70)	3580 (610-4000)	3.35	
18+25+25+25+50	1.26+1.75+1.75+1.75+3.50	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.56+2.13+2.13+2.13+4.06	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+25+25+25+60	1.18+1.63+1.63+1.63+3.92	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.49+2.02+2.02+2.02+4.46	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+25+25+35+35	1.30+1.81+1.81+2.54+2.54	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.68+2.28+2.28+2.88+2.88	12.00 (3.40-12.70)	3300 (610-4000)	3.64	
18+25+25+35+42	1.24+1.72+1.72+2.41+2.90	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.60+2.17+2.17+2.74+3.32	12.00 (3.40-12.70)	3690 (610-4000)	3.25	
18+25+25+35+50	1.18+1.63+1.63+2.29+3.27	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.49+2.03+2.03+2.57+3.88	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+25+25+35+60	1.10+1.53+1.53+2.15+3.68	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.42+1.93+1.93+2.45+4.27	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+25+25+42+42	1.18+1.64+1.64+2.76+2.76	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.52+2.07+2.07+3.17+3.17	12.00 (3.40-12.70)	4300 (610-5000)	2.79	
18+25+25+42+50	1.13+1.56+1.56+2.63+3.13	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.43+1.94+1.94+2.97+3.71	12.00 (3.40-12.70)	4500 (610-5000)	2.67	
18+25+35+35+35	1.22+1.69+2.36+2.36+2.36	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.60+2.17+2.74+2.74+2.74	12.00 (3.40-12.70)	4000 (610-5000)	3.00	
18+25+35+35+42	1.16+1.61+2.26+2.26+2.71	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.52+2.07+2.62+2.62+3.17	12.00 (3.40-12.70)	4100 (610-5000)	2.93	
18+25+35+35+50	1.10+1.53+2.15+2.15+3.07	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.43+1.94+2.46+2.46+3.71	12.00 (3.40-12.70)	4500 (610-5000)	2.67	
18+25+35+42+42	1.11+1.54+2.16+2.59+2.59	10.00 (2.90-12.50)	4000 (600-4500)	2.50	1.46+1.98+2.50+3.03+3.03	12.00 (3.40-12.70)	4500 (610-5000)	2.67	
25+25+25+25+25	2.00+2.00+2.00+2.00+2.00	10.00 (2.90-12.50)	4000 (600-4500)	2.50	2.40+2.40+2.40+2.40+2.40	12.00 (3.40-12.70)	3300 (610-4000)	3.64	
25+25+25+25+35	1.85+1.85+1.85+1.85+2.59	10.00 (2.90-12.50)	4000 (600-4500)	2.50	2.28+2.28+2.28+2.28+2.88	12.00 (3.40-12.70)	3580 (610-4000)	3.35	
25+25+25+25+42	1.76+1.76+1.76+1.76+2.96	10.00 (2.90-12.50)	4000 (600-4500)	2.50	2.17+2.17+2.17+2.17+3.32	12.00 (3.40-12.70)	4200 (610-5000)	2.86	
25+25+25+25+50	1.67+1.67+1.67+1.67+3.33	10.00 (2.90-12.50)	4000 (600-4500)	2.50	2.03+2.03+2.03+2.03+3.88	12.00 (3.40-12.70)	4500 (610-5000)	2.67	
25+25+25+25+60	1.56+1.56+1								



Indoor unit combinations

(preliminary data)

Dodai 2 multi-split units

	RAM - 40Ne2F	COOLING MODE				HEATING MODE			
		Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP
1 unit*	15	1.50	1.50 (1.00 - 2.20)	380 (200 - 480)	3.95	2.00	2.00 (1.10 - 3.20)	530 (250 - 970)	3.77
	18	1.80	1.80 (1.00 - 2.50)	455 (200 - 750)	3.96	2.50	2.50 (1.10 - 3.20)	690 (250 - 970)	3.62
	25	2.50	2.50 (1.00 - 3.10)	650 (200 - 880)	3.85	3.50	3.50 (1.10 - 4.40)	990 (250 - 1120)	3.54
	35	3.50	3.50 (1.00 - 4.00)	780 (200 - 1150)	4.49	4.80	4.80 (1.10 - 5.00)	1200 (250 - 1300)	4.00
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 2.80)	700 (200 - 780)	4.29	2.00 + 2.00	4.00 (1.50 - 4.60)	890 (250 - 950)	4.49
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	700 (200 - 930)	4.52	2.00 + 2.50	4.50 (1.50 - 5.00)	940 (250 - 1020)	4.79
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.00)	950 (200 - 1150)	4.21	1.89 + 3.31	5.20 (1.50 - 5.50)	1080 (250 - 1500)	4.81
	15 + 35	1.20 + 2.80	4.00 (1.50 - 4.20)	1100 (200 - 1150)	3.64	1.53 + 3.67	5.20 (1.50 - 5.50)	1230 (250 - 1500)	4.23
	18 + 18	1.80 + 1.80	3.60 (1.50 - 4.00)	1050 (200 - 1050)	3.43	2.50 + 2.50	5.00 (1.50 - 5.00)	1250 (250 - 1500)	4.00
	18 + 25	1.67 + 2.33	4.00 (1.50 - 4.20)	1090 (200 - 1150)	3.67	2.17 + 3.03	5.20 (1.50 - 5.50)	1250 (250 - 1500)	4.16
	18 + 35	1.36 + 2.64	4.00 (1.50 - 4.20)	1130 (200 - 1150)	3.54	1.78 + 3.42	5.20 (1.50 - 5.50)	1250 (250 - 1500)	4.16
	25 + 25	2.00 + 2.00	4.00 (1.50 - 4.20)	1150 (200 - 1150)	3.48	2.60 + 2.60	5.20 (1.50 - 5.50)	1250 (250 - 1500)	4.16

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.

** RAM-40NE2F + RAK-18REF + RAK-18REF

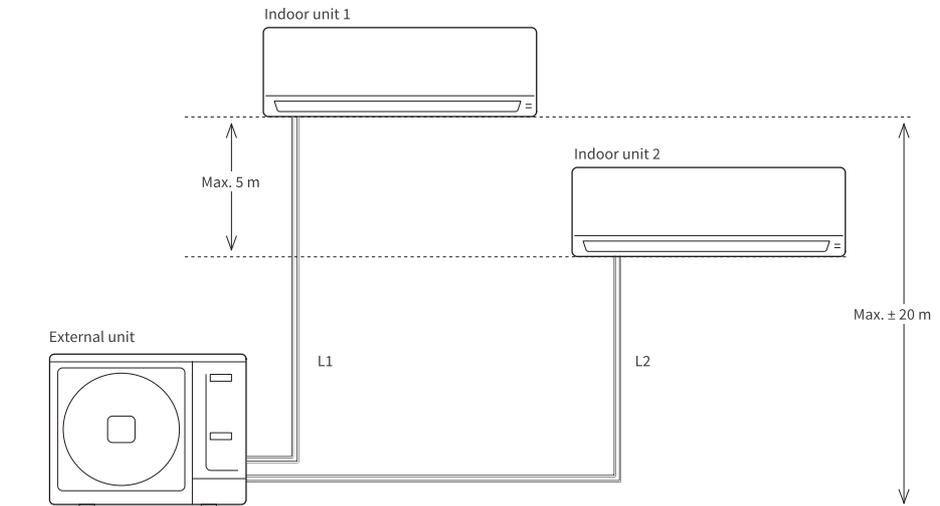
Cooler lengths

RAM - 40NE2F

L1 + L2 < 35 m
L1 < 25 m ; L2 < 25 m

The max. level difference between 2 indoor units is 5m.

Always connect the most powerful indoor unit to the lowest connector. No additional charge necessary.



RAM-53NE2F	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
1 unit*	15	1.50	1.50 (1.00 - 2.20)	430 (350 - 480)	3.49	2.00	2.00 (1.10 - 2.20)	610 (350 - 650)	3.28
	18	1.80	1.80 (1.00 - 2.00)	495 (350 - 750)	3.64	2.50	2.50 (1.10 - 3.20)	690 (350 - 1050)	3.62
	25	2.50	2.50 (1.00 - 2.80)	700 (350 - 980)	3.57	3.90	3.90 (1.10 - 4.70)	1060 (350 - 1380)	3.68
	35	3.50	3.50 (1.00 - 3.90)	1030 (350 - 1280)	3.40	4.80	4.80 (1.10 - 5.80)	1320 (350 - 1870)	3.64
	50	5.00	5.00 (1.00 - 5.50)	1510 (350 - 1660)	3.31	6.80	6.50 (1.10 - 7.20)	1680 (350 - 2010)	3.87
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 3.90)	920 (350 - 1000)	3.26	2.00 + 2.00	4.00 (1.50 - 4.70)	1060 (350 - 1380)	3.77
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.90)	1020 (350 - 1300)	3.24	2.00 + 2.50	4.50 (1.50 - 5.20)	1250 (350 - 1870)	3.6
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.50)	1180 (350 - 1250)	3.39	2.00 + 3.90	5.90 (1.50 - 6.50)	1550 (350 - 2010)	3.81
	15 + 35	1.50 + 3.50	5.00 (1.50 - 5.90)	1480 (350 - 1660)	3.38	2.00 + 4.80	6.80 (1.50 - 7.20)	1590 (350 - 2010)	4.28
	15 + 50 ⁽¹⁾	1.22 + 4.08	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	1.60 + 5.20	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	18 + 18	1.80 + 1.80	3.60 (1.50 - 4.00)	1080 (350 - 1300)	3.33	2.50 + 2.50	5.00 (1.50 - 5.20)	1290 (350 - 1550)	3.88
	18 + 25	1.80 + 2.50	4.30 (1.50 - 4.60)	1220 (350 - 1450)	3.52	2.50 + 3.90	6.40 (1.50 - 6.30)	1530 (350 - 1920)	4.18
	18 + 35	1.80 + 3.50	5.30 (1.50 - 5.60)	1260 (350 - 1660)	4.21	2.31 + 4.49	6.80 (1.50 - 7.20)	1610 (350 - 2010)	4.22
	18 + 50 ⁽¹⁾	1.40 + 3.90	5.30 (1.50 - 5.90)	1550 (350 - 1660)	3.42	1.80 + 5.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	25 + 25	2.50 + 2.50	5.00 (1.50 - 5.60)	1470 (350 - 1660)	3.40	3.40 + 3.40	6.80 (1.50 - 7.20)	1780 (350 - 2010)	3.82
	25 + 35	2.21 + 3.09	5.30 (1.50 - 5.70)	1550 (350 - 1660)	3.42	2.83 + 3.97	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	25 + 50 ⁽¹⁾	1.77 + 3.53	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	2.27 + 4.53	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	35 + 35	2.65 + 2.65	5.30 (1.50 - 5.90)	1660 (350 - 1660)	3.19	3.40 + 3.40	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74
	35 + 50 ⁽¹⁾	2.18 + 3.12	5.30 (1.50 - 6.60)	1660 (350 - 1660)	3.19	2.80 + 4.00	6.80 (1.50 - 7.20)	1820 (350 - 2010)	3.74

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.

⁽¹⁾ For each output corresponding to units 50, a 3/8-to-1/2 cooler adapter is required.

** RAM-53NE2F + RAK-18REF + RAK-18REF

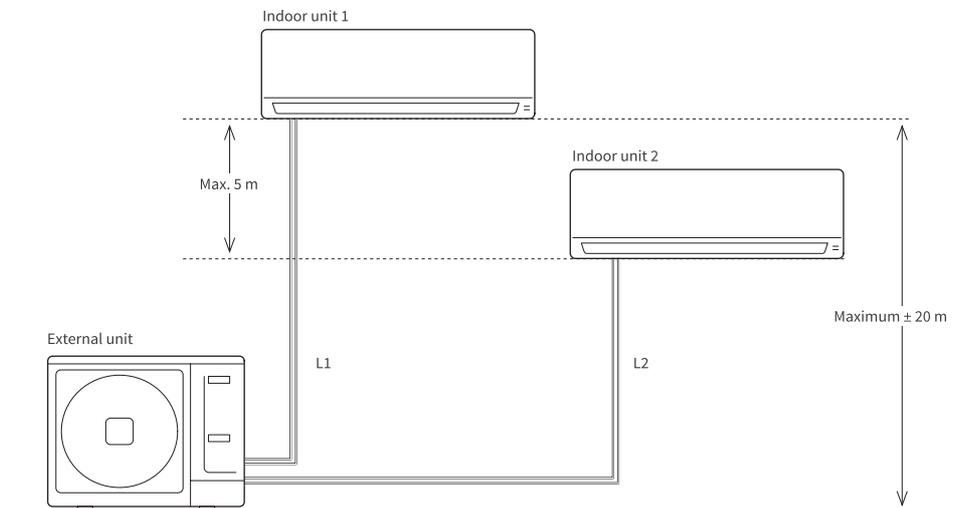
Cooler lengths

RAM-53NE2F

L1 + L2 < 35 m
L1 < 25 m ; L2 < 25 m

The max. level difference between 2 indoor units is 5m.

Always connect the most powerful indoor unit to the lowest connector. No additional charge necessary.



Indoor unit combinations

(preliminary data)

Dodai 2 multi-split units

RAM-53NE3F	COOLING MODE					HEATING MODE			
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
1 unit*	15	1.50	1.50 (1.00 - 1.60)	430 (200 - 480)	3.49	2.00	2.00 (1.10 - 2.20)	560 (320 - 850)	3.57
	18	1.80	1.80 (1.50 - 2.00)	495 (280 - 500)	3.64	2.50	2.50 (1.80 - 3.50)	720 (320 - 1130)	3.47
	25	2.50	2.50 (1.50 - 2.80)	700 (280 - 720)	3.57	3.40	3.40 (1.80 - 4.70)	980 (320 - 1480)	3.47
	35	3.50	3.50 (1.50 - 3.90)	1030 (280 - 1130)	3.40	4.30	4.30 (1.80 - 5.80)	1150 (320 - 1950)	3.74
	50	5.00	5.00 (1.50 - 5.60)	1480 (280 - 1800)	3.38	6.50	6.50 (1.80 - 7.20)	1880 (320 - 2530)	3.46
2 units	15 + 15	1.50 + 1.50	3.00 (1.50 - 3.50)	870 (380 - 980)	3.45	2.00 + 2.00	4.00 (2.20 - 4.70)	1080 (200 - 1100)	3.70
	15 + 18	1.50 + 1.80	3.30 (1.50 - 3.50)	950 (380 - 1000)	3.47	2.00 + 2.50	4.50 (2.20 - 5.20)	1200 (200 - 1300)	3.75
	15 + 25	1.50 + 2.50	4.00 (1.50 - 4.00)	1300 (380 - 1300)	3.08	2.00 + 3.40	5.40 (2.20 - 6.40)	1450 (200 - 1780)	3.72
	15 + 35	1.50 + 3.50	5.00 (1.50 - 5.20)	1450 (380 - 1450)	3.45	2.00 + 4.30	6.30 (2.20 - 7.20)	1660 (200 - 2010)	3.80
	15 + 50 ⁽¹⁾	1.22 + 4.08	5.30 (1.50 - 6.30)	1700 (380 - 2380)	3.12	1.60 + 5.20	6.80 (2.20 - 7.20)	1770 (320 - 2010)	3.84
	18 + 18	1.80 + 1.80	3.60 (1.50 - 5.90)	1020 (380 - 1020)	3.53	2.50 + 2.50	5.00 (2.20 - 6.40)	1380 (320 - 2010)	3.62
	18 + 25	1.80 + 2.50	4.30 (1.50 - 5.90)	1200 (380 - 1360)	3.58	2.50 + 3.40	5.90 (2.20 - 7.20)	1580 (320 - 2010)	3.73
	18 + 35	1.80 + 3.50	5.30 (1.50 - 5.90)	1290 (380 - 1950)	4.11	2.50 + 4.30	6.80 (2.20 - 7.20)	1650 (320 - 2010)	4.12
	18 + 50 ⁽¹⁾	1.80 + 5.00	5.30 (1.50 - 5.90)	1800 (380 - 2820)	2.94	1.89 + 4.91	6.80 (2.20 - 9.50)	2100 (430 - 2600)	3.24
	25 + 25	2.50 + 2.50	5.00 (2.00 - 5.50)	1480 (380 - 1720)	3.38	3.40 + 3.40	6.80 (2.20 - 9.50)	1770 (430 - 2010)	3.84
	25 + 35	2.50 + 3.50	5.30 (2.00 - 6.60)	1640 (380 - 2380)	3.23	3.00 + 3.80	6.80 (2.20 - 9.50)	1880 (430 - 2010)	3.62
	25 + 50 ⁽¹⁾	1.77 + 3.53	5.30 (2.00 - 7.20)	1610 (380 - 2820)	3.29	2.34 + 4.46	6.80 (2.20 - 9.50)	2100 (430 - 2600)	3.24
	35 + 35	2.65 + 2.65	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	3.40 + 3.40	6.80 (2.20 - 9.50)	1880 (430 - 3120)	3.62
	35 + 50 ⁽¹⁾	2.18 + 3.12	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	2.71 + 4.09	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62
	50 + 50 ⁽¹⁾	2.65 + 2.65	5.30 (2.00 - 7.50)	1800 (380 - 2820)	2.94	3.40 + 3.40	6.80 (2.20 - 9.50)	1880 (430 - 2600)	3.62

* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.

⁽¹⁾ For each output corresponding to units 50, a 3/8-to-1/2 cooler adapter is required.

Cooler lengths

RAM-53NE3F

L1 + L2 + L3 < 45 m

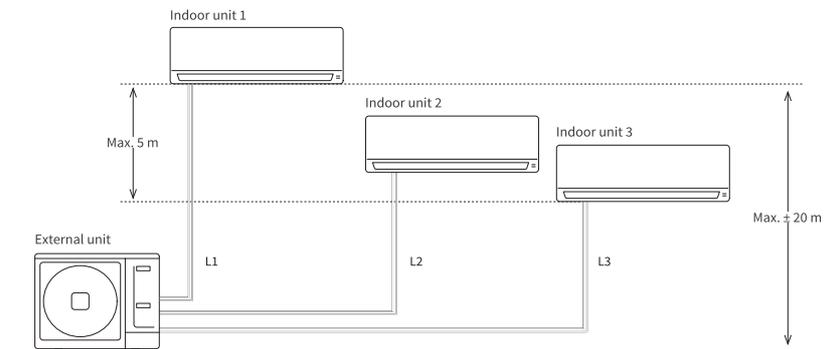
L1 < 25 m ; L2 < 25 m ; L3 < 25 m

The max. level difference between 2 indoor units is 5m.

Prefilled for 35m.

Beyond 35 m, allow an additional 20g/m.

Always connect the most powerful indoor unit to the lowest connector.



RAM-53NE3F	COOLING MODE				HEATING MODE				
	Unit power (kW)	Total power (kW)	Total power input (W)	EER	Unit power (kW)	Total power (kW)	Total power input (W)	COP	
3 units	15 + 15 + 15	1.50 + 1.50 + 1.50	4.50 (2.20 - 5.00)	1400 (420 - 1680)	3.21	2.00 + 2.00 + 2.00	6.00 (2.40 - 6.50)	1650 (430 - 1800)	3.64
	15 + 15 + 18	1.50 + 1.50 + 1.80	4.80 (2.20 - 5.50)	1480 (240 - 1880)	3.24	2.00 + 2.00 + 2.50	6.50 (2.40 - 7.00)	1750 (430 - 2100)	3.71
	15 + 15 + 25	1.45 + 1.45 + 2.41	5.30 (2.20 - 6.00)	1680 (420 - 2280)	3.15	1.84 + 1.84 + 3.12	6.80 (2.20 - 9.30)	1850 (430 - 2200)	3.68
	15 + 15 + 35	1.22 + 1.22 + 2.85	5.30 (2.20 - 7.00)	1800 (420 - 2480)	2.94	1.64 + 1.64 + 3.52	6.80 (2.40 - 9.50)	1850 (430 - 2500)	3.68
	15 + 15 + 50	0.99 + 0.99 + 3.31	5.30 (2.20 - 7.50)	1800 (420 - 2890)	2.94	1.30 + 1.30 + 4.21	6.80 (2.40 - 9.50)	2000 (430 - 2500)	3.40
	15 + 18 + 18	1.50 + 1.80 + 1.80	5.10 (2.20 - 5.60)	1500 (420 - 2280)	3.40	1.94 + 2.43 + 2.43	6.80 (2.20 - 9.30)	1850 (430 - 2400)	3.68
	15 + 18 + 25	1.37 + 1.64 + 2.28	5.30 (2.20 - 6.30)	1590 (420 - 2480)	3.33	1.72 + 2.15 + 2.93	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 18 + 35	1.17 + 1.40 + 2.73	5.30 (2.20 - 7.50)	1680 (420 - 2480)	3.15	1.55 + 1.93 + 3.32	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 18 + 50	0.96 + 1.15 + 3.19	5.30 (2.20 - 7.50)	1800 (420 - 2890)	2.94	1.24 + 1.55 + 4.02	6.80 (2.40 - 9.50)	2050 (430 - 2600)	3.72
	15 + 25 + 25	1.22 + 2.04 + 2.04	5.30 (1.50 - 7.00)	1710 (420 - 2480)	3.10	1.55 + 2.63 + 2.63	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 25 + 35	1.06 + 1.77 + 2.47	5.30 (2.20 - 7.80)	1800 (420-2890)	2.94	1.40 + 2.38 + 3.01	6.80 (2.40 - 9.50)	1850 (430 - 2600)	3.68
	15 + 25 + 50	0.88 + 1.47 + 2.97	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.14 + 1.94 + 3.71	6.80 (2.40 - 9.50)	2100 (430-2600)	3.24
	15 + 35 + 35	0.94 + 2.18 + 2.18	5.30 (2.20-8.00)	1800 (420 - 2890)	2.94	1.28 + 2.76 + 2.76	6.80 (2.40 - 9.50))	2100 (430-2600)	3.24
	15 + 35 + 50	0.80 + 1.86 + 2.65	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.06 + 2.28 + 3.45	6.80 (2.40 - 9.50)	2100 (430-2600)	3.24
	18 + 18 + 18	1.77 + 1.77 + 1.77	5.30 (2.20 - 5.90)	1500 (420 - 2190)	3.53	2.27 + 2.27 + 2.27	6.80 (2.40 - 9.50)	1860 (430 - 2600)	3.66
	18 + 18 + 25	1.56 + 1.56 + 2.17	5.30 (2.20 - 6.70)	1610 (420 - 2480)	3.29	2.02 + 2.02 + 2.75	6.80 (2.40 - 9.50)	1740 (430 - 2600)	3.91
	18 + 18 + 35	1.34 + 1.34 + 2.61	5.30 (2.20 - 7.80)	1800 (420 - 2890)	2.94	1.83 + 1.83 + 3.14	6.80 (2.40 - 9.50)	1820 (430 - 2600)	3.74
	18 + 18 + 50	1.11 + 1.11 + 3.08	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.48 + 1.48 + 3.84	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 25 + 25	1.40 + 1.95 + 1.95	5.30 (2.20 - 7.50)	1730 (420 - 2780)	3.06	1.83 + 2.49 + 2.49	6.80 (2.40 - 9.50)	1760 (430 - 2600)	3.86
	18 + 25 + 35	1.22 + 1.70 + 2.38	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.67 + 2.27 + 2.87	6.80 (2.40 - 9.50)	1820 (430 - 2600)	3.74
	18 + 25 + 50	1.03 + 1.42 + 2.85	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.37 + 1.86 + 3.56	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 35 + 35	1.08 + 2.11 + 2.11	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.53 + 2.63 + 2.63	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	18 + 35 + 50	0.93 + 1.80 + 2.57	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.28 + 2.20 + 3.32	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24
	25 + 25 + 25	1.77 + 1.77 + 1.77	5.30 (2.20 - 7.80)	1800 (420 - 2890)	2.94	2.27 + 2.27 + 2.27	6.80 (2.40 - 9.50)	1870 (430 - 2600)	3.64
25 + 25 + 35	1.56 + 1.56 + 2.18	5.30 (2.20 - 8.00)	1800 (420 - 2960)	2.94	2.08 + 2.08 + 2.63	6.80 (2.40 - 9.50)	1930 (430 - 2600)	3.52	
25 + 25 + 50	1.33 + 1.33 + 2.65	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.74 + 1.74 + 3.32	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24	
25 + 35 + 35	1.39 + 1.95 + 1.95	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.93 + 2.44 + 2.44	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24	
25 + 35 + 50	1.20 + 1.69 + 2.41	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	1.63 + 2.06 + 3.11	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24	
35 + 35 + 35	1.77 + 1.77 + 1.77	5.30 (2.20 - 8.00)	1800 (420 - 2890)	2.94	2.27 + 2.27 + 2.27	6.80 (2.40 - 9.50)	2100 (430 - 2600)	3.24	

^{|||} For each output corresponding to units 50, a 3/8-to-1/2 cooler adapter is required.
 ** RAM-53NE3F + RAK-18REF + RAK-35REF