

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.

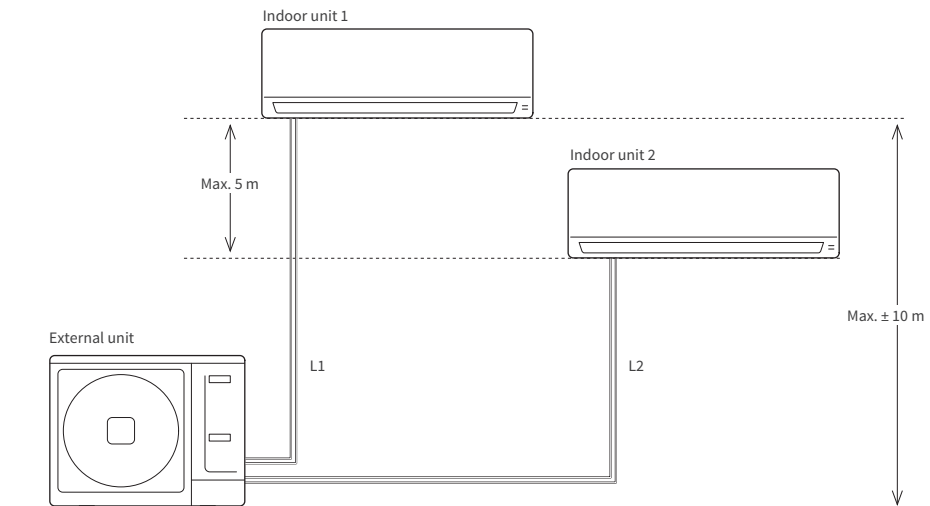
Pipe lengths

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.

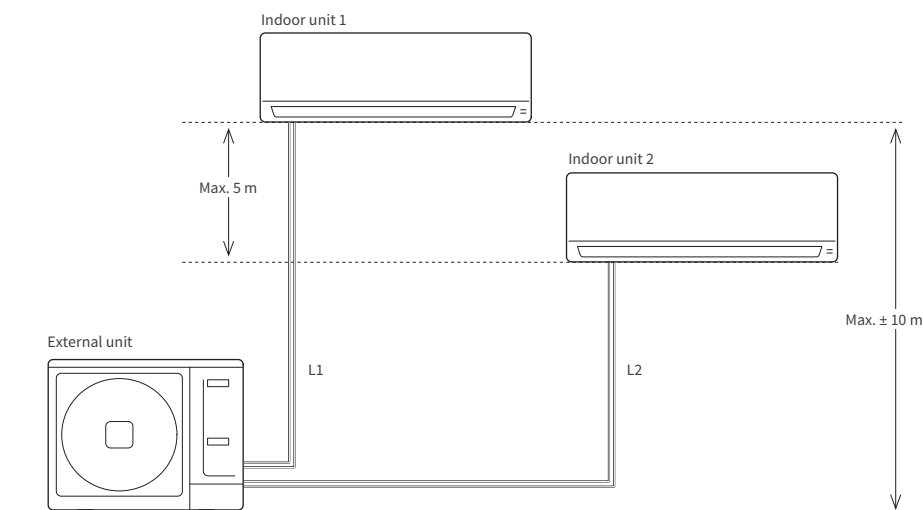
Pipe lengths

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

Multi-split

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 pipe adapter is required.

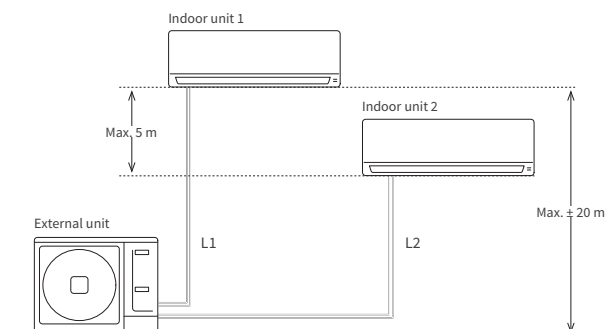
Pipe lengths

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			
	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)	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 pipe adapter is required.

Pipe lengths

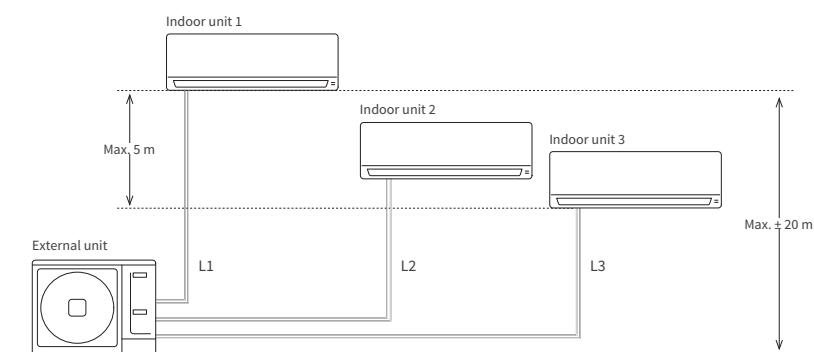
RAM-53NP3E

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

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

Pre-charged 35 m.
 Beyond 35 m, allow an additional 20g/m.

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



Indoor unit combinations

Multi-split

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
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 pipe adapter is required.

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 pipe adapter is required.

Pipe lengths

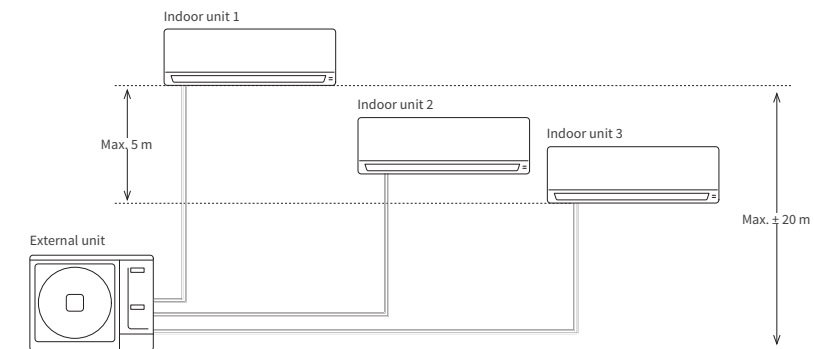
RAM-68NP3E

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

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

Pre-charged 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

Multi-split

Standard multi-split

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
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 pipe adapter is required.

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.

Pipe lengths

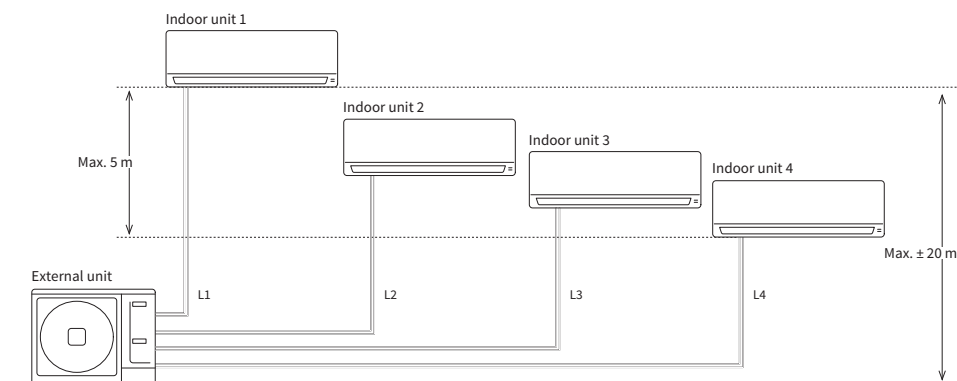
RAM-70NP4E

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

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

Pre-charged 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

Multi-split

Standard multi-split

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	
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	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	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	

Indoor unit combinations

Multi-split

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.

Pipe lengths

RAM-90NP5E

L1 + L2 + L3 + L4 + L5 = Max. 75 m;

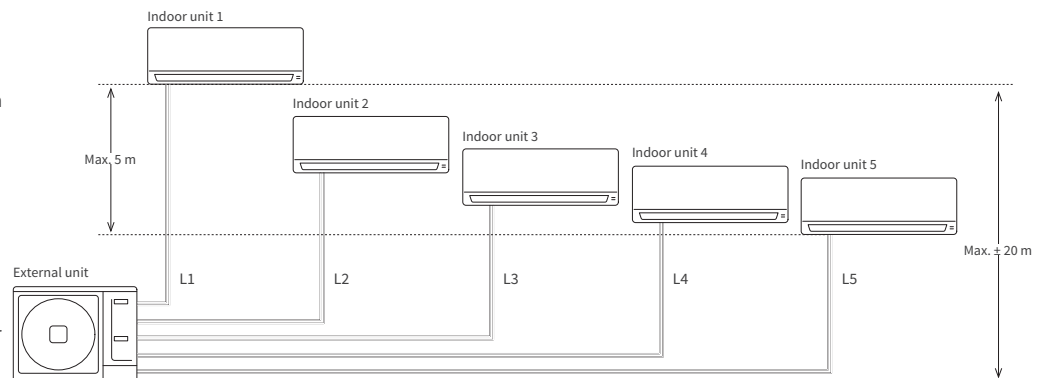
L1 < 25 m; L2 < 25 m;

L3 < 25 m; L4 < 25 m; L5 < 25 m

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

Pre-charged 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 - 90NPSE	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	



Indoor unit combinations

Standard multi-split

Multi-split

	RAM - 90NPSE	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 - 90NPSE	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	

Indoor unit combinations

Standard multi-split



Multi-split

RAM - 90NPSE	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 - 90NPSE	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	



Indoor unit combinations

Standard multi-split

Multi-split

RAM - 90NPSE	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 - 90NPSE	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 + 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	



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
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 - 2240)	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-110NPS5		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	1.85 + 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 + 3.27 + 3.93	10.00 (2.90 - 10.56)	3150 (550 - 3510)	3.17	1.78 + 1.78 + 3.82 + 6.62	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)	3.65
	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 + 5.00	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							



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+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+3.13+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+3.39+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+2.27+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+1.67+3.33+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+2.61+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	
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+3.10+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+				

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	1.85 + 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 + 2.73 + 3.18	10.00 (2.90 - 11.50)	3000 (550 - 3700)	3.33	2.81 + 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 + 2.41 + 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	
25 + 35 + 50 + 60	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)	4000 (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 - 2922)	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



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	1.05+1.05+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+1.28+1.28+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			

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+1.57+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 - 3600)	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+2.1				

Indoor unit combinations

Summit 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.

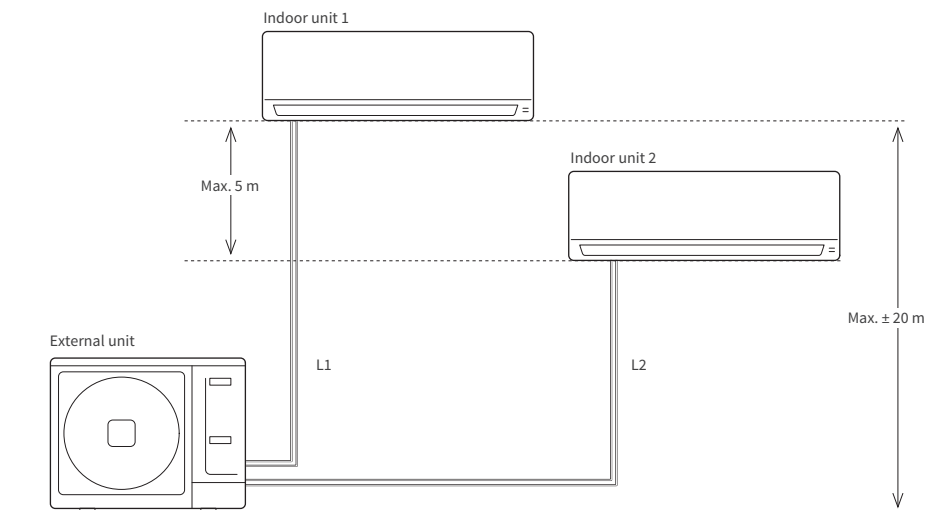
Pipe lengths

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	

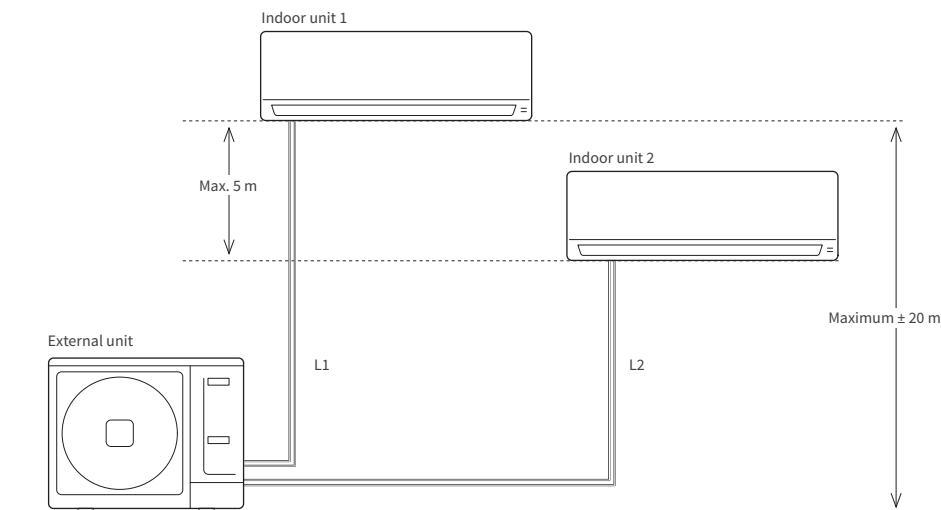
* Note: this refers to the performance with only one unit in operation. However, at least 2 units must be connected to the outside unit.
⁽¹⁾ For each output corresponding to units 50, a 3/8-to-1/2 pipe adapter is required.

Pipe 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

Multi-split

Summit 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 pipe adapter is required.

Pipe lengths

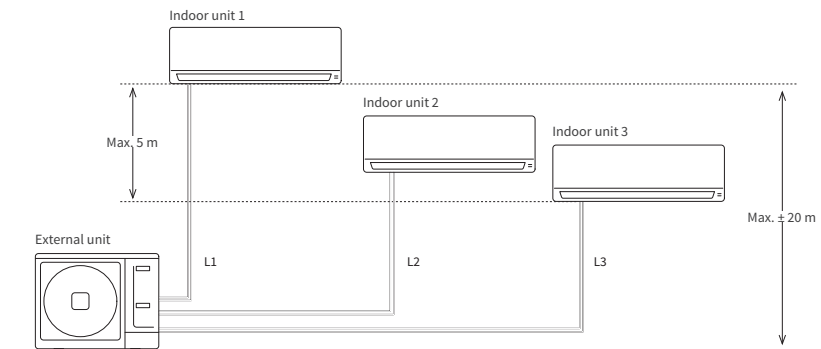
RAM-53NE3F

$L1 + L2 + L3 < 45 \text{ m}$
 $L1 < 25 \text{ m}$; $L2 < 25 \text{ m}$; $L3 < 25 \text{ m}$

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

Pre-charged for 35 m.
 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 ⁽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 - 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 ⁽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)	3.72
	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 ⁽¹⁾	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 ⁽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
	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⁾	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⁾	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 ⁽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 + 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 + 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
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 50, a 3/8-to-1/2 pipe adapter is required.