

# Simultaneous operation system combinations

## PACi NX Elite from 5,0 to 25,0 kW simultaneous operation system combinations - R32

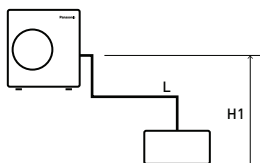
Capacity	Indoor	Outdoor						
		5,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
2,5 kW	S-25PY3E S-2545PK4E	Twin 	Triple 	Double-twin 				
3,6 kW	S-36PY3E S-3650PF3E S-2545PK4E S-3650PT3E S-3650PU3E		Twin 	Triple 	Double-twin 			
4,5 kW	S-3650PF3E S-2545PK4E S-3650PT3E S-3650PU3E				Triple 			
5,0 kW	S-50PY3E S-3650PF3E S-5010PK4E S-3650PT3E S-3650PU3E			Twin 		Triple 	Double-twin 	
6,0 kW	S-60PY3E S-6071PF3E S-5010PK4E S-6071PT3E S-6071PU3E				Twin 		Double-twin 	
7,1 kW	S-6071PF3E S-5010PK4E S-6071PT3E S-6071PU3E					Twin 	Triple 	
10,0 kW	S-1014PF3E S-5010PK4E S-1014PU3E						Twin 	
12,5 kW	S-1014PF3E S-1014PU3E						Twin 	

## PACi NX Standard from 10,0 to 14,0 kW simultaneous operation system combinations - R32

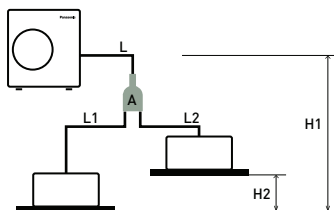
Capacity	Indoor	Outdoor		
		10,0 kW	12,5 kW	14,0 kW
5,0 kW	S-50PY3E S-3650PF3E S-5010PK4E S-3650PT3E S-3650PU3E	Twin 		
6,0 kW	S-60PY3E S-6071PF3E S-5010PK4E S-6071PT3E S-6071PU3E		Twin 	
7,1 kW	S-6071PF3E S-5010PK4E S-6071PT3E S-6071PU3E			Twin 

# Refrigerant piping arrangements

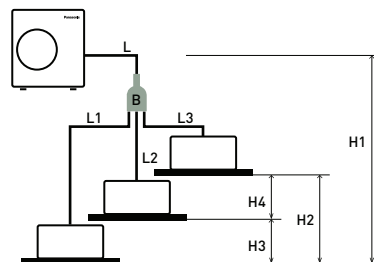
Single



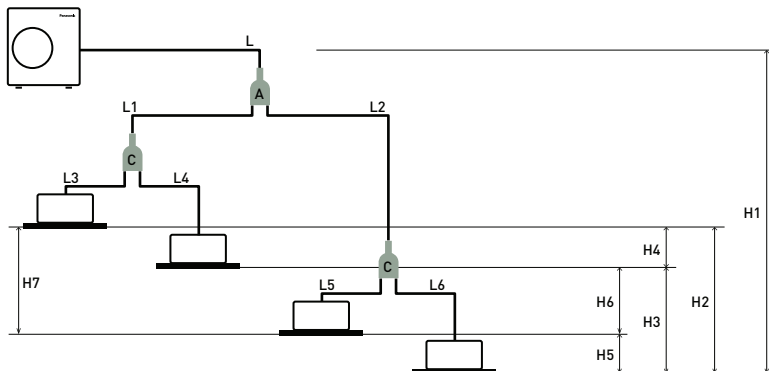
Twin



Triple



Double-twin



PACi NX Elite twin, triple and double-twin system from 5,0 to 14,0 kW

Joint distribution (sold separately)

A= CZ-P224BK2BM

B= CZ-P3 HPC2BM

C= CZ-P224BK2BM

Big PACi NX Elite twin, triple and double-twin system from 20,0 to 25,0 kW

Joint distribution (sold separately)

A= CZ-P680BK2BM

B= CZ-P3 HPC2BM

C= CZ-P224BK2BM

PACi NX Standard twin system from 10,0 to 14,0 kW

Joint distribution (sold separately)

A= CZ-P224BK2BM

Twin System	PACi NX Standard single and twin system from 7,1 to 14,0 kW		PACi NX Elite twin, triple and double-twin system from 5,0 to 25,0 kW					
	Indoor unit combinations (see examples above)	Equivalent lengths and height differences (m) for outdoor unit sizes...	Indoor unit combinations (see examples above)			Equivalent lengths and height differences (m) for outdoor unit sizes from 5,0 to 14,0 kW	Equivalent lengths and height differences (m) for outdoor unit sizes from 20,0 to 25,0 kW	
			Single	Twin	Triple			Double-twin
Total pipe length	L	$L + L1 + L2 \leq 50$	L	$L + L1 + L2$	$L + L1 + L2 + L3$	$L + L1 + L2 + L3 + L4 + L5 + L6$	U-50/60: 40 m U-71: 60 m U-100/125/140: $\leq 100$ m	U-200/250: $\leq 100$ m
Maximum pipe length from outdoor unit to most distant indoor unit	-	-	-	$L + L1$ or $L + L2$	$L + L1$ or $L + L2$ or $L + L3$	$L + L1 + L3$ or $L + L1 + L4$ or $L + L2 + L5$ or $L + L2 + L6$	-	U-200: 90 m U-250: 60 m
Maximum branch pipe length	-	$L1 \ L2 \leq 15$	-	$L1$ or $L2$	$L1$ or $L2$ or $L3$	$L1 + L3$ or $L1 + L4$ or $L2 + L5$ or $L2 + L6$	$\leq 15$ m	$\leq 20$ m
Maximum branch pipe length differences	-	$L1 > L2$ $L1 - L2 \leq 10$	-	$L1 > L2$ ; $L1 - L2$	$L1 > L2 > L3$ ; $L1 - L2$ $L2 - L3$ $L1 - L3$	$L2 + L6$ (Max.) $L1 + L3$ (Min.); $(L2 + L6) - (L1 + L3)$	$\leq 10$ m	$\leq 10$ m
Maximum pipe length differences after first branch (Double-twin)	-	-	-	-	-	$L2 > L1$ ; $L2 - L1$	$\leq 10$ m	$\leq 10$ m
Maximum pipe length differences after second branch (Double-twin)	-	-	-	-	-	$L4 > L3$ ; $L4 - L3$ $L6 > L5$ ; $L6 - L5$	$\leq 10$ m	$\leq 10$ m
Height difference (outdoor unit located higher)	H1	H1 $\leq 30$	H1	H1	H1	H1	$\leq 30$ m	$\leq 30$ m
Height difference (outdoor unit located lower)	H1	H1 $\leq 15$	H1	H1	H1	H1	$\leq 15$ m	$\leq 15$ m
Height difference between indoor units	-	H2 $\leq 0,5$	-	H2	H2 or H3 or H4	H2 or H3 or H4 or H5 or H6	$\leq 0,5$ m	$\leq 0,5$ m

Make additional charges by adding up tube length in an order of main tube (L) > branch tube (L1 > L2 > L3 wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after charge-less tube length: 30 m) liquid tube diameter and tube length from the above table. For pipe sizes and refrigerant charge, please refer to the technical instructions or design software.