

# SCM inverter multi-split system

## SCM-ZJ (4.5-12.5 kW)

The SCM multi-split system allows a single outdoor unit to service a range of configurations of up to six indoor units, from a lineup of 6 model types ranging from 2.0kW to 6.0kW.



ZJX, ZK, ZJ

Wall mounted SRK



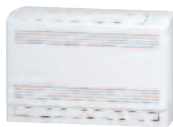
Ceiling concealed SRR



4way ceiling cassette FDTC



Fits into standard  
600 x 600 ceiling



Floor standing SRF



**NEW**

Ceiling suspended FDN



**NEW**

Duct connected FDUM



## Outdoor unit



SCM 45/60 ZJ-S



SCM80ZJ-S1

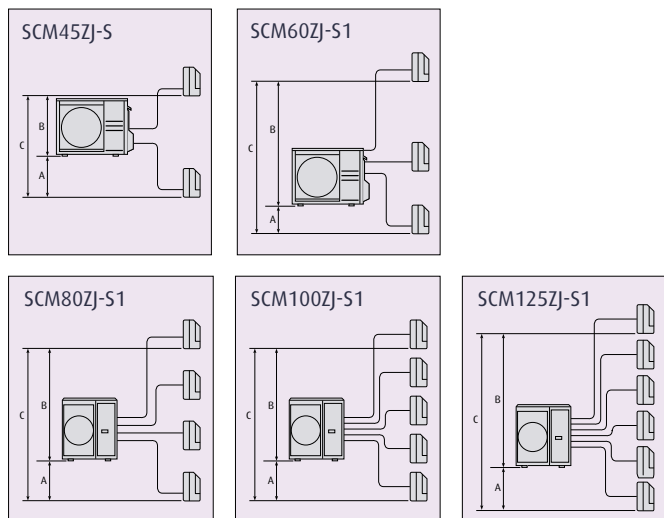


SCM 100/125 ZJ-S1



## Piping length

The maximum piping length of the refrigerant pipes for the outdoor units, and the maximum height difference for the outdoor units are as shown below.



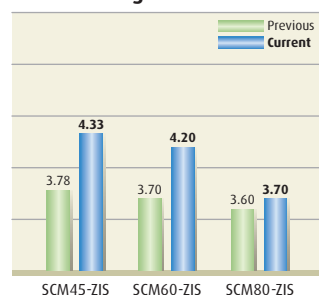
		SCM45ZJ-S	SCM60ZJ-S1	SCM80ZJ-S1	SCM100/125ZJ-S1
height difference	length for one indoor unit	under 25m	under 25m	under 25m	under 25m
	total length for all rooms	under 30m	under 40m	under 70m	under 90m
	lower installation spot of the indoor unit (A)	under 15m	under 15m	under 20m	under 20m
	upper installation spot of the indoor unit (B)	under 15m	under 15m	under 20m	under 20m
	maximum height difference of the indoor units (C)	under 25m	under 25m	under 25m	under 25m
	length of precharged refrigerant pipe	under 30m	under 40m	under 40m	under 50m

## Industry leading energy efficiency

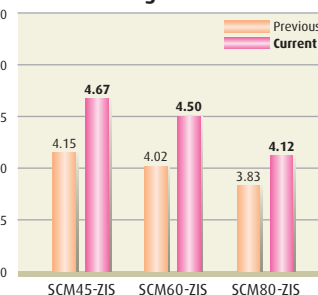
The SCM range achieves world class energy efficiency levels with newly developed indoor and outdoor units.

The outdoor units employ new advanced compressor technology with new Vector inverter control and multi dimensional M fin technology on the heat exchanger. Indoor units feature new low resistance design to improve air flow, reduce noise levels and further enhance efficiency.

### EER in Cooling



### COP in Heating



		SCM45ZJ-S	SCM60ZJ-S	SCM80ZJ-S	SCM100ZJ-S	SCM125ZJ-S
Cooling (Nominal)	kW	4.5	6.0	8.0	10.0	12.5
Cooling Range	kW	1.8 to 6.4	1.8 to 7.5	1.8 to 9.2	1.8 to 12.0	1.8 to 14.0
E.E.R (Energy Label)		4.33 (A)	4.20 (A)	3.70 (A)	3.50 (A)	3.21 (A)
Heating (Nominal)	kW	5.6	6.8	9.3	12.0	13.5
Heating Range	kW	1.4 to 7.4	1.5 to 7.8	1.5 to 9.8	1.5 - 13.5	1.5 - 14.0
C.O.P (Energy Label)		4.67 (A)	4.50 (A)	4.12 (A)	4.10 (A)	4.15 (A)
Exterior Dimensions (H x W x D)	mm	640 x 850(+65) x 290	640 x 850(+65) x 290	750 x 880(+73) x 340	945 x 970(+73) x 370	945 x 970(+73) x 370
Net Weight	kg	47	49	62	92	92
Sound Pressure Level	dB(A)	49	52	54	59	60
Number of Indoor Units	Min-Max	1-2	2-3	2-4	4-5	4-6
Operating Range (Outdoor Air) Cooling	°C DB	-15 to 43				
Operating Range (Outdoor Air) Heating	°C WB	-15 to 21				

ELECTRICAL DATA						
Power Source Rating MCB	A	20	25	25	30	30
Mains Power To	Outdoor	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz	230V/1ph/50Hz
Interconnecting Wires		3 + E (x2)	3 + E (x3)	3 + E (x4)	3 + E (x5)	3 + E (x6)
Running Current - Cooling	A	4.6	6.5	9.4	12.4	17.0
Running Current - Heating	A	5.3	6.8	10.0	12.8	14.1
Power Input - Cooling	kW	1.04	1.43	2.16	2.86	3.90
Power Input - Heating	kW	1.2	1.51	2.26	2.93	3.25
Start - Max Run Current	A	5 - 14	7 - 17	10 - 20	13 - 29	17 - 29

INSTALLATION/REFRIGERANT						
Ref. Piping Size o.d ins (mm)	Liquid	1/4" (6.35) x 2	1/4" (6.35) x 3	1/4" (6.35) x 4	1/4" (6.35) x 5	1/4" (6.35) x 5
	Gas	3/8" (9.52) x 2	3/8" (9.52) x 3	3/8" (9.52) x 4	3/8" (9.52) x 5	3/8" (9.52) x 5
Ref. Max Piping Length (Unit/Total)	m	25/30	25/40	25/70	25/90	25/90
Vertical Height Difference (Max)						
- Outdoor Unit Above Indoor Unit	m	15	15	20	20	20
- Outdoor Unit Below Indoor Unit	m	15	15	20	20	20
Refrigerant Amount Precharged	kg	1.6	2.2	3.15	6.0	6.0
- For Pipe Length Up To	m	20	30	40	50	50
Additional Refrigerant	g/m	20	20	20	20	20



Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without notice.