

## INVERTER MULTI-SPLIT MODEL

# Inverter Multi-split System



The multi-split system allows a single outdoor unit to service a range of configurations of up to four indoor unit ---- from a lineup of 6 units ranging from 6.0kW to 13.5kW.



ZJX, ZJR, ZJ  
Wall mounted type **SRK**



Ceiling Concealed type **SRR**



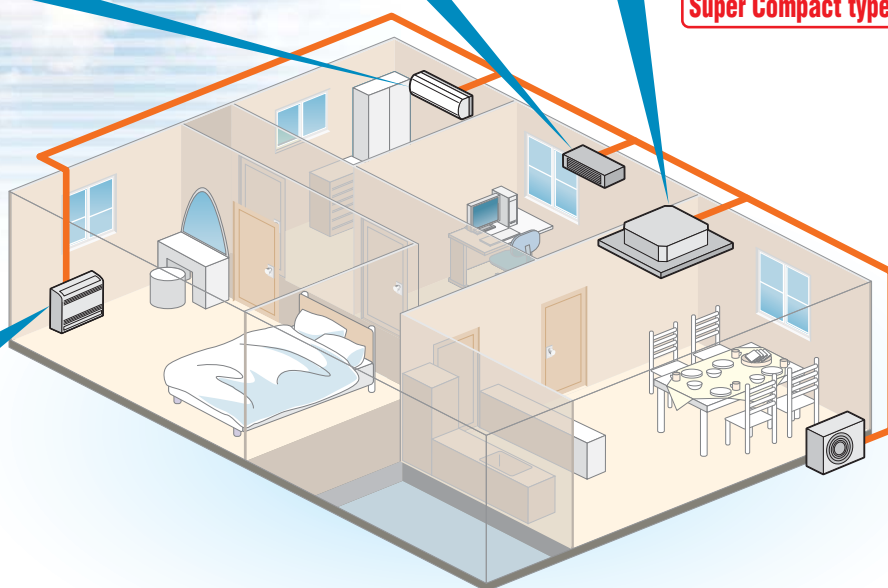
4way ceiling cassette type **FDTC**



600 x 600  
Super Compact type



Floor type **SRF**



## OUTDOOR UNIT



SCM40ZJ-S, SCM45ZJ-S  
SCM50ZJ-S, SCM60ZJ-S



SCM71ZJ-S, SCM80ZJ-S

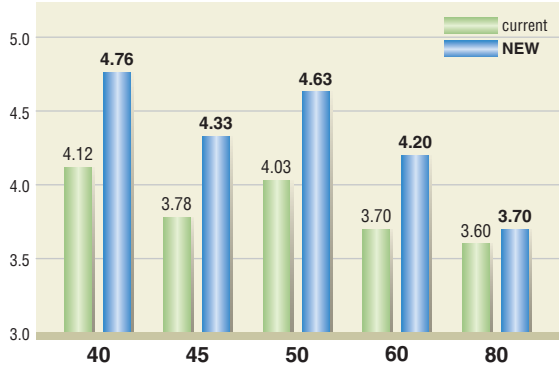
# The industry's highest COP levels

Our new models, SCM40~80ZJ-S have realized the highest level of COP (coefficient of performance) in the industry with full model change to both of outdoor and indoor (SRK series) units.

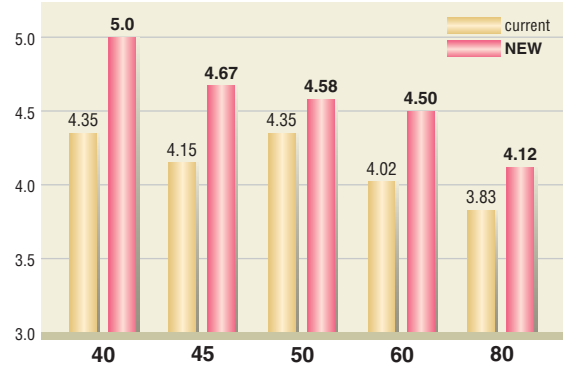
Outdoor unit uses new advanced compressors with new inverter control (Vector control) and new M shape fin.

Indoor units SRK series are the latest series, which are common to both of single and multi system, using the new heat exchanger and improved air flow system.

**EER in Cooling**



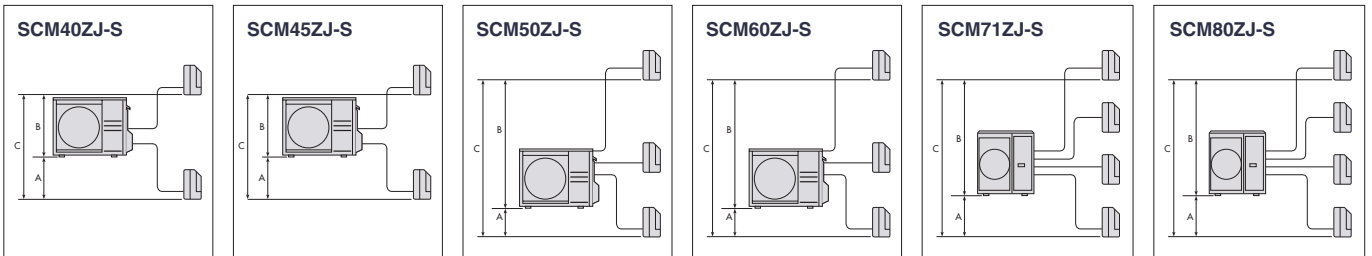
**COP in Heating**



## PIPING LENGTH

**Limit** 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.

	SCM40ZJ-S	SCM45ZJ-S	SCM50ZJ-S	SCM60ZJ-S	SCM71ZJ-S	SCM80ZJ-S
length for one indoor unit	under 25m	under 25m	under 25m	under 25m	under 25m	under 25m
total length for all rooms	under 30m	under 30m	under 40m	under 40m	under 70m	under 70m
height difference	lower installation spot of the indoor unit (A)	under 15m	under 15m	under 15m	under 15m	under 20m
	upper installation spot of the indoor unit (B)	under 15m	under 15m	under 15m	under 15m	under 20m
	maximum height difference of the indoor units (C)	under 25m	under 25m	under 25m	under 25m	under 25m
length of precharged refrigerant pipe	30m	30m	40m	40m	40m	40m



## OUTDOOR UNIT SPECIFICATIONS

Item	Model	For two rooms		For three rooms		For four rooms	
		SCM40ZJ-S	SCM45ZJ-S	SCM50ZJ-S	SCM60ZJ-S	SCM71ZJ-S	SCM80ZJ-S
Power supply		1Phase, 220/230/240V, 50Hz					
Cooling capacity	ISO-T1 kW	4.0(1.8~5.9)	4.5(1.8~6.4)	5.0(1.8~7.1)	6.0(1.8~7.5)	7.1(1.8~8.8)	8.0(1.8~9.2)
Heating capacity	ISO-T1 kW	4.5(1.4~6.9)	5.6(1.4~7.4)	6.0(1.4~7.5)	6.8(1.5~7.8)	8.6(1.5~9.4)	9.3(1.5~9.8)
COP (In cooling)		4.76	4.33	4.63	4.2	4.08	3.70
COP (In heating)		5.00	4.67	4.58	4.5	4.30	4.12
Energy label (In cooling)		A	A	A	A	A	A
Energy label (In heating)		A	A	A	A	A	A
Sound power level *	Cooling dB(A)	60	60	62	63	65	66
	Heating dB(A)	62	62	65	65	66	66
Sound pressure level *	Cooling dB(A)	47	47	49	50	52	54
	Heating dB(A)	48	49	52	52	54	54
Air flow	Cooling CMM	40.0	40.0	41.0	42.0	56.0	56.0
	Heating CMM	40.0	40.0	41.0	42.0	56.0	56.0
Exterior dimensions (H×W×D)	mm	640×850(+65)×290				750×880(+73)×340	
Net weight	kg	47	47	48	49	62	
Compressor type		Twin rotary type×1					
Refrigerant		R410A					
Indoor units to be combined		20, 25, 35		20, 25, 35, 50		20, 25, 35, 50, 60	
Total of indoor units	class kW	6.0	7.0	8.5	11.0	12.5	13.5

The data are measured under the following conditions(ISO-T1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB. \* Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.