

OUTDOOR UNIT LIMITATION SUMMARY

CAPACITY			SCM40ZS-W	SCM45ZS-W	SCM50ZS-W	SCM60ZS-W	SCM71ZS-W	SCM80ZS-W	SCM100ZS-W
Number of connectable indoor units			2		2 to 3		2 to 4		*3 to 5
Maximum capacity of indoor units allowable (kW)			6	7	8.5	11	12.5	13.5	16
Length for one indoor unit (m)			25						
Total length for all rooms (m)			30		40		70		75
Height Difference (m)	Outdoor unit is above		15				20		
	Outdoor unit is below		15				20		
	Maximum height difference of the indoor units		25						
Pre-charged to refrigerant pipe length (m)			20		40		30		40
Outdoor air temperature (upper, lower limits)	Cooling	°C	-15 to 46						
	Heating		-15 to 24						

This model normally requires a minimum of 3 indoor units. Combination of 2 indoor units in some circumstances would be permitted. Please refer to the “combination limitations” table on page 10 for the detailed connection information

Item	Indoor Air Temperature		Outdoor Air Temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	AS/NZ 3823.2
Heating	20°C	-	7°C	6°C	

(1) The data is measured at the conditions mentioned in the table to the left.

(2) The air conditioner is manufactured and tested in conformity with the AS/NZS.

(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

(4) Select the breaker size according to applicable national standard.

(5) The operation data indicates when the air-conditioner is operated at 240V 50Hz.

SCM SERIES

OUTDOOR UNIT				SCM40ZS-W	SCM45ZS-W	SCM50ZS-W	SCM60ZS-W	SCM71ZS-W	SCM80ZS-W	SCM100ZS-W	
Power Source (Outdoor Unit)				1 Phase 240V 50Hz							
*Operation Data	Nominal Capacity (Range)	Cooling T1	kW	4.0 (1.5~5.9)	4.5(1.5~6.4)	5.0 (1.7~7.1)	6.0(1.7~7.5)	7.1 (1.8~8.8)	8.0 (1.8~9.2)	10.0 (1.7~11.5)	
		Heating H1		4.5 (1.0~6.3)	5.3(1.0~6.5)	6.0 (1.0~7.5)	6.8 (1.0~7.8)	8.6 (1.1~9.4)	9.3 (1.1~9.8)	10.5 (0.9~11.5)	
	Power Consumption	Cooling T1		0.80	0.96	1.02	1.32	1.42	1.70	2.70	
		Heating H1		0.83	1.06	1.16	1.40	1.75	1.95	2.38	
	Running Current	Cooling T1	A	3.4	4.1	4.3	5.6	6.0	7.2	11.4	
		Heating H1		3.5	4.5	4.9	5.9	7.4	8.2	10.0	
	Inrush Current, Maximum Current			dB(A)	3.7, 14	4.7, 14	5, 15	5, 15	5, 20	5, 20	5, 21
	EER	Cooling T1			5.00	4.69	4.90	4.55	5.00	4.71	3.70
		Heating H1	5.42		5.00	5.17	4.86	4.91	4.77	4.41	
	Sound Power Level (JIS C9612)	Cooling T1	62		63	62	62	63	66	67	
		Heating H1	64		65	64	64	67	67	72	
	Sound Pressure Level (JIS C9612)	Cooling T1	49		50	49	50	50	54	54	
		Heating H1	51		52	52	52	54	54	59	
	Silent Mode	Cooling T1	44		44	43	43	45	46	49	
		Heating H1	46		46	44	44	50	50	50	
External dimensions (HxWxD)			mm		595x780(+90)x290	595x780(+90)x290	640x850(+65)x290	640x850(+65)x290	750x880(+73)x340	750x880(+73)x340	945 x 970 x 370
Net weight			kg	40	40	48.5	48.5	61	61	73	
Installation Data	Refrigerant (Type, Amount, Pre-charge Length)	Quantity	kg	1.4	1.4	1.8	1.8	2.55	2.55	2.98	
		Pre-Charged to Pipe	m	20	20	40	40	30	30	40	
	Refrigerant Piping	Liquid line	mm	Ø6.35 (1/4") x 2	Ø6.35 (1/4") x 2	Ø6.35 (1/4") x 3	Ø6.35 (1/4") x 3	Ø6.35 (1/4") x 4	Ø6.35 (1/4") x 4	Ø6.35 (1/4") x 5	
		Gas line		Ø9.52 (3/8") x 2	Ø9.52 (3/8") x 2	Ø9.52 (3/8") x 3	Ø9.52 (3/8") x 3	Ø9.52 (3/8") x 4	Ø9.52 (3/8") x 4	Ø9.52 (3/8") x 5	
	Connection Method			Flare connection							
	Maximum Pipe Length to One Indoor Unit		m	25	25	25	25	25	25	25	
Total Pipe Length to All Indoor Units		30		30	40	40	70	70	75		
Max vertical height diff. between O.U. and I.U.				15 (O.U. above I.U.) / 15 (O.U. below I.U.)				20 (O.U. above I.U.) / 20 (O.U. below I.U.)			
Indoor Unit Combination		SRK-ZSA-W	kW	2.0, 2.5, 3.5	2.0, 2.5, 3.5	2.0, 2.5, 3.5, 5.0	2.0, 2.5, 3.5, 5.0	2.0, 2.5, 3.5, 5.0	2.0, 2.5, 3.5, 5.0	2.0, 2.5, 3.5, 5.0	
		SRK-ZSXA-W		2.0, 2.5, 3.5	2.0, 2.5, 3.5	2.0, 2.5, 3.5, 5.0	2.0, 2.5, 3.5, 5.0, 6.0	2.0, 2.5, 3.5, 5.0, 6.0	2.0, 2.5, 3.5, 5.0, 6.0	2.0, 2.5, 3.5, 5.0, 6.0	
		SRK-ZRA-W						7.1	7.1	7.1, 8.0	
		SRF-ZS(X)-W		2.5, 3.5	2.5, 3.5	2.5, 3.5, 5.0	2.5, 3.5, 5.0	2.5, 3.5, 5.0	2.5, 3.5, 5.0	2.5, 3.5, 5.0	
		SRR-ZS-W		2.5, 3.5	2.5, 3.5	2.5, 3.5, 5.0	2.5, 3.5, 5.0, 6.0	2.5, 3.5, 5.0, 6.0	2.5, 3.5, 5.0, 6.0	2.5, 3.5, 5.0, 6.0	
		FDTC-VH		2.5, 3.5	2.5, 3.5	2.5, 3.5, 5.0	2.5, 3.5, 5.0, 6.0	2.5, 3.5, 5.0, 6.0	2.5, 3.5, 5.0, 6.0	2.5, 3.5, 5.0, 6.0	
		FDUM-VH				5.0	5.0	5.0	5.0	5.0	
Indoor Unit Connection				2 Units	2 Units	2 to 3 Units	2 to 3 Units	2 to 4 Units	2 to 4 Units	**3 to 5 Units	
Indoor Connection Capacity			kW	4.0 to 6.0	4.5 to 7.0	5.0 to 8.5	6.0 to 11.0	7.0 to 12.5	8.0 to 13.5	9.0 to 16.0	
Outdoor air temperature (upper, lower limits)		Cooling	°C	-15 to 46							
		Heating	°C	-15 to 24							

* Operation data has been gathered in accordance with AS/NZS 3823 standards. For testing conditions please refer to Page 10.