

## High performance

Outdoor unit	EER*	COP*	SEER*	SCOP*
SCM 40 ZS-W	5.00	5.42	9.10 / A+++	4.70 / A++
SCM 45 ZS-W	4.69	5.00	9.10 / A+++	4.70 / A++
SCM 50 ZS-W	4.90	5.17	8.80 / A+++	4.60 / A++
SCM 60 ZS-W	4.55	4.86	8.80 / A+++	4.60 / A++
SCM 71 ZS-W	5.00	4.91	8.30 / A++	4.60 / A++
SCM 80 ZS-W	4.71	4.77	8.20 / A++	4.60 / A++

\* The values shown may vary depending on the combinations chosen. For further information, refer to the technical manual.

Possibility of access to the tax deduction and thermal account incentives for all power levels.

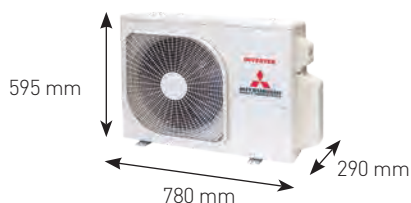
### OPERATING RANGE

# -15°C / +46°C

cooling operation

### HIGHLY COMPACT

High compactness for models 4.00 to 6.00 kW.  
Easy installation.



SCM 40-45 ZS-W



SCM 50-60 ZS-W



SCM 71-80 ZS-W

### OPERATING RANGE

# -15°C / +24°C

in heating

### INSTALLATION FLEXIBILITY



#### SCM 40-45 ZS-W

L	TOT PIPING	= 30 m
L	MAX O.U.-I.U.	= 25 m
H	MAX O.U.-I.U.	= 15 m
H	MAX I.U.-I.U.	= 25 m

#### SCM 50-60 ZS-W

L	TOT PIPING	= 40 m
L	MAX O.U.-I.U.	= 25 m
H	MAX O.U.-I.U.	= 15 m
H	MAX I.U.-I.U.	= 25 m

#### SCM 71-80 ZS-W

L	TOT PIPING	= 70 m
L	MAX O.U.-I.U.	= 25 m
H	MAX O.U.-I.U.	= 20 m
H	MAX I.U.-I.U.	= 25 m

# OUTDOOR UNITS



SCM 40-45 ZS-W



SCM 50-60 ZS-W



SCM 71-80 ZS-W

Model		SCM 40 ZS-W	SCM 45 ZS-W	SCM 50 ZS-W	SCM 60 ZS-W	SCM 71 ZS-W	SCM 80 ZS-W	
Type		Outdoor DC-Inverter heat pump unit						
Connectable indoor units (min - max)		no.	2 - 2	2 - 2	2 - 3	2 - 3	2 - 4	
I.U. connectable rated capacity min/max		kW	4.00 - 6.00	4.50 - 7.00	4.00 - 8.50	4.00 - 11.00	7.00 - 12.50	
Rated capacity (T=+35°C)		kW	4.00 (1.50~5.90)	4.50 (1.50~6.40)	5.00 (1.70~7.10)	6.00 (1.70~7.50)	7.10 (1.80~8.80)	
Rated absorbed power (T=+35°C)		kW	0.80 (0.34~2.10)	0.96 (0.34~2.30)	1.02 (0.43~2.15)	1.32 (0.43~2.28)	1.42 (0.48~2.75)	
Rated energy efficiency coefficient		EER <sup>3</sup>	5.00	4.69	4.90	4.55	5.00	
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A+++	A+++	A+++	A+++	A++	
Seasonal energy efficiency index		SEER <sup>2</sup>	9.10	9.10	8.80	8.80	8.30	
Annual energy consumption		kWh/a	154	174	199	239	300	
Theoretical load (Pdesignc)		kW	4.0	4.5	5.0	6.0	7.1	
Rated capacity (T=+7°C)		kW	4.50 (1.00~6.30)	5.30 (1.00~6.50)	6.00 (1.00~7.50)	6.80 (1.00~7.80)	8.60 (1.10~9.40)	
Rated absorbed power (T=+7°C)		kW	0.83 (0.25~1.48)	1.06 (0.25~1.48)	1.16 (0.32~2.50)	1.40 (0.32~2.80)	1.75 (0.35~3.00)	
Rated energy performance coefficient		COP <sup>3</sup>	5.42	5.00	5.17	4.86	4.91	
Energy efficiency class (average season)		626/2011 <sup>1</sup>	A++	A++	A++	A++	A++	
Seasonal energy efficiency class index (average season)		SCOP <sup>2</sup>	4.70	4.70	4.60	4.60	4.60	
Annual energy consumption		kWh/a	1222	1222	1430	1430	2038	
Theoretical load (Pdesignh) @-10°C		kW	4.1	4.1	4.7	4.7	6.7	
Operating limits (outside temperature)		Cooling	°C					-15~46
		Heating	°C					-15~24
Electrical data								
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz					
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	
Connection wires between each I.U. and O.U.		no.	4	4	4	4	4	
Rated absorbed current	Cooling	A	3.50	4.30	4.50	5.80	6.20	
	Heating	A	3.70	4.70	5.10	6.10	7.80	
Maximum current		A	14.00	14.00	15.00	15.00	20.00	
Refrigerant circuit								
Refrigerant (GWP) <sup>4</sup>			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
Quantity refrigerant pre-load	Kg		1.40	1.40	1.80	1.80	2.55	
Tons of CO2 equivalent	t		0.945	0.945	1.215	1.215	1.721	
Diameter of refrigerant piping on liquid/gas	mm (inches)		2 x ø6.35 (1/4")/ 2 x ø9.52 (3/8")	2 x ø6.35 (1/4")/ 2 x ø9.52 (3/8")	3 x ø6.35 (1/4")/ 3 x ø9.52 (3/8")	3 x ø6.35 (1/4")/ 3 x ø9.52 (3/8")	4 x ø6.35 (1/4")/ 4 x ø9.52 (3/8")	
Total splitting length	m		30	30	40	40	70	
Max length of a single refrigeration line	m		25	25	25	25	25	
Max height difference I.U./O.U.	m		15	15	15	15	20	
Max height difference between I.U.	m		25	25	25	25	25	
Splitting length without additional load	m		20	20	40	40	30	
Additional load per metre of splitting	g/m		20	20	20	20	20	
Product specifications								
Dimensions	LxDxH	mm	780(+90)x290x595	780(+90)x290x595	850(+65)x290x640	850(+65)x290x640	880(+73)x340x750	
Net weight		Kg	40	40	48.5	48.5	61	
Sound pressure level	Max	dB(A)	51	52	52	52	54	
Sound power level	Max	dB(A)	64	65	64	64	67	
Handled air (Max)		m <sup>3</sup> /h	1950	1950	2460	2460	3360	
Motor power (Output)		W	24	24	34	34	86	

The values refer to the following combinations: SCM40ZS-W + 2 x SRK 20 ZSX-W / SCM 45 ZS-W + SRK 20Z SX-W + SRK 25 ZSX-W / SCM 50 ZS-W + 3 x SRK 20 ZSX-W / SCM 60 ZM-W + 3 x SRK 20ZSX-W / SCM 71 ZS-W + 4 x SRK 20 ZSX-W / SCM 80 ZS-W + 4 x SRK 20 ZSX-W.

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5 The minimum number of connectable indoor units varies depending on the type of connected units. Always check that the proposed configuration is present in the table of possible configurations.