


















Line up

RESIDENTIAL MULTISPLIT R32

| | | kW | 4,00 | 4,50 | 5,00 | 6,00 | 7,10 | 8,00 | 10,00 |
|---|--|----|---|---|---|---|---|---|---|
| No. connectable indoor units | | | 2-2 | 2-2 | 2-3 | 2-3 | 2-4 | 2-4 | 2-5 |
| | | |  |  |  |  |  |  |  |
| | | | SCM 40 ZS-W | SCM 45 ZS-W | SCM 50 ZS-W | SCM 60 ZS-W | SCM 71 ZS-W | SCM 80 ZS-W | SCM 100 ZS-W |
|  | SRK 20 ZSX-WF(T)/W(T) | | ● | ● | ● | ● | ● | ● | ● |
| | SRK 25 ZSX-WF(T)/W(T) | | ● | ● | ● | ● | ● | ● | ● |
| | SRK 35 ZSX-WF(T)/W(T) | | ● | ● | ● | ● | ● | ● | ● |
|  | SRK 50 ZSX-WF(T)/W(T) | | | | ● | ● | ● | ● | ● |
| | SRK 60 ZSX-WF(T)/W(T) | | | | | ● | ● | ● | ● |
| | SRK 71 ZSX-WF(T)/W(T) | | | | | | ● | ● | ● |
|  | SRK 20 ZS-WF(T)/W(T) | | ● | ● | ● | ● | ● | ● | ● |
| | SRK 25 ZS-WF(T)/W(T) | | ● | ● | ● | ● | ● | ● | ● |
| | SRK 35 ZS-WF(T)/W(T) | | ● | ● | ● | ● | ● | ● | ● |
| | SRK 50 ZS-WF(T)/W(T) | | | | ● | ● | ● | ● | ● |
|  | SRK 71 ZR-W | | | | | | ● | ● | ● |
| | SRK 80 ZR-W NEW | | | | | | | | ● |
|  | SKM 20 ZSP-W | | ● | ● | ● | ● | ● | ● | ● |
| | SKM 25 ZSP-W | | ● | ● | ● | ● | ● | ● | ● |
| | SKM 35 ZSP-W | | ● | ● | ● | ● | ● | ● | ● |
|  | SRF 25 ZS-W | | ● | ● | ● | ● | ● | ● | ● |
| | SRF 35 ZS-W | | ● | ● | ● | ● | ● | ● | ● |
| | SRK 50 ZSX-W | | | | ● | ● | ● | ● | ● |
|  | SRR 25 ZS-W | | ● | ● | ● | ● | ● | ● | ● |
| | SRR 35 ZS-W | | ● | ● | ● | ● | ● | ● | ● |
| | SRR 50 ZS-W | | | | ● | ● | ● | ● | ● |
| | SRR 60 ZS-W | | | | | ● | ● | ● | ● |
|  | FDUM 50 VH | | | | ● | ● | ● | ● | |
|  | FDE 50 VH | | | | ● | ● | ● | ● | |
|  | FDTC 25 VH1 | | ● | ● | ● | ● | ● | ● | ● |
| | FDTC 35 VH1 | | ● | ● | ● | ● | ● | ● | ● |
| | FDTC 50 VH | | | | ● | ● | ● | ● | ● |
| | FDTC 60 VH | | | | | ● | ● | ● | ● |

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++ |
| SCM 100 ZS-W | 3.70 | 4.41 | 8.60 / A+++ | 4.50 / A+ |

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

OPERATING RANGE

-15°C / +46°C

cooling operation

OPERATING RANGE

-15°C / +24°C

in heating

HIGHLY COMPACT

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

SCM 40-45 ZS-W



SCM 50-60 ZS-W



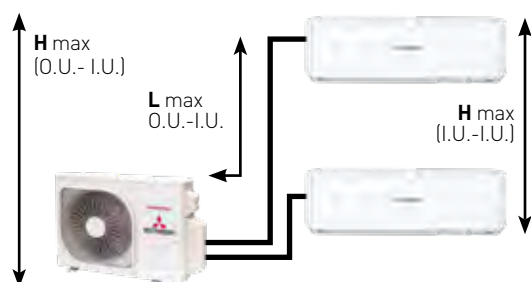
SCM 71-80 ZS-W



SCM 100 ZS-W



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 |

SCM 100 ZS-W

| | | |
|---|---------------|--------|
| L | TOT PIPING | = 75 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



SCM 100 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 | SCM 100 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 | 2-4 | *2-5 |
| 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 | 8.00-13.50 | 9.00-16.00 |
| 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) | 8.00 (1.80~9.20) | 10.00 (1.70~11.50) |
| 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) | 1.70 (0.48~2.83) | 2.70 (0.48~3.65) |
| Rated energy efficiency coefficient | | | EER ³ | 5.00 | 4.69 | 4.90 | 4.55 | 5.00 | 4.71 | 3.70 |
| Seasonal energy efficiency class | | | 626/2011 ¹ | A+++ | A+++ | A+++ | A+++ | A++ | A++ | A+++ |
| Seasonal energy efficiency index | | | SEER ² | 9.10 | 9.10 | 8.80 | 8.80 | 8.30 | 8.20 | 8.60 |
| Annual energy consumption | | | kWh/a | 154 | 174 | 199 | 239 | 300 | 342 | 407 |
| Theoretical load (Pdesignc) | | | kW | 4.00 | 4.50 | 5.00 | 6.00 | 7.10 | 8.00 | 10.00 |
| 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) | 9.30 (1.10~9.80) | 10.50 (0.90~11.50) |
| 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) | 1.95 (0.35~3.12) | 2.38 (0.37~2.90) |
| Rated energy performance coefficient | | | COP ³ | 5.42 | 5.00 | 5.17 | 4.86 | 4.91 | 4.77 | 4.41 |
| Energy efficiency class (average season) | | | 626/2011 ¹ | A++ | A++ | A++ | A++ | A++ | A++ | A+ |
| Seasonal energy efficiency class index (average season) | | | SCOP ² | 4.70 | 4.70 | 4.60 | 4.60 | 4.60 | 4.60 | 4.50 |
| Annual energy consumption | | | kWh/a | 1222 | 1222 | 1430 | 1430 | 2038 | 2038 | 2116 |
| Theoretical load (Pdesignh) @-10°C | | | kW | 4.10 | 4.10 | 4.70 | 4.70 | 6.70 | 6.70 | 6.80 |
| 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 ² | 3 x 4 mm ² | 3 x 4 mm ² | 3 x 4 mm ² | 3 x 4 mm ² | 3 x 4 mm ² | 3 x 4 mm ² | 3 x 4 mm ² |
| Connection wires between each I.U. and O.U. | | no. | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Rated absorbed current | | Cooling | A | 3.50 | 4.30 | 4.50 | 5.80 | 6.20 | 7.50 | 11.90 |
| | | Heating | A | 3.70 | 4.70 | 5.10 | 6.10 | 7.80 | 8.60 | 10.50 |
| Maximum current | | A | 14.00 | 14.00 | 15.00 | 15.00 | 20.00 | 20.00 | 20.00 | 21.00 |
| Refrigerant circuit | | | | | | | | | | |
| Refrigerant (GWP) ⁴ | | | R32 (675) | R32 (675) | R32 (675) | R32 (675) | R32 (675) | R32 (675) | R32 (675) | R32 (675) |
| Quantity refrigerant pre-load | | Kg | 1.4 | 1.4 | 1.8 | 1.8 | 2.55 | 2.55 | 2.98 | |
| Tons of CO2 equivalent | | t | 0.945 | 0.945 | 1.215 | 1.215 | 1.721 | 1.721 | 2.012 | |
| Diameter of refrigerant piping | | Liquid | mm (inches) | 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 | | 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 |
| Total splitting length | | m | 30 | 30 | 40 | 40 | 70 | 70 | 75 | |
| Max length of a single refrigeration line | | m | 25 | 25 | 25 | 25 | 25 | 25 | 25 | |
| Max height difference I.U./O.U. | | m | 15 | 15 | 15 | 15 | 20 | 20 | 20 | |
| Max height difference between I.U. | | m | 25 | 25 | 25 | 25 | 25 | 25 | 25 | |
| Splitting length without additional load | | m | 20 | 20 | 40 | 40 | 30 | 30 | 40 | |
| Additional load per metre of splitting | | g/m | 20 | 20 | 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 | 880(+73)x340x750 | 970(+73)x370x945 |
| Net weight | | Kg | 40 | 40 | 48.5 | 48.5 | 61 | 61 | 73 | |
| Sound pressure level | | Max | dB(A) | 51 | 52 | 52 | 52 | 54 | 54 | 59 |
| | | Silent mode | dB(A) | 46 | 46 | 44 | 44 | 50 | 50 | 50 |
| Sound power level | | Max | dB(A) | 64 | 65 | 64 | 64 | 67 | 67 | 72 |
| Handled air | | Max | m ³ /h | 1950 | 1950 | 2460 | 2460 | 3360 | 3360 | 4500 |
| Motor power | | Output | W | 24 | 24 | 34 | 34 | 86 | 86 | 86 |

* The minimum number of connectable indoor units varies according to the type of connected units, moreover, the total capacity must always respect the minimum and maximum connectable load range. Always check that the proposed configuration is in the table of possible configurations.

The values refer to the following combinations: **SCM 40 ZS-W** + 2 x SRK 20 ZSX-W / **SCM 45 ZS-W** + SRK 20 ZSX-W + SRK 25 ZSX-W / **SCM 50 ZS-W** + 3 x SRK 20 ZSX-W / **SCM 60 ZS-W** + 3 x SRK 20 ZSX-W / **SCM 71 ZS-W** + 4 x SRK 20 ZSX-W / **SCM 80 ZS-W** + 4 x SRK 20 ZSX-W / **SCM 100 ZS-W** + 5 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 CO₂, 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.