

# SKM

## MULTISPLIT R32



[www.mitsubishi-termal.it](http://www.mitsubishi-termal.it)

# COMFORT THROUGHOUT THE HOME WITH SMART AIR CONDITIONER

SKM is a simple and efficient air-conditioning solution that maximises energy savings. Thanks to the MHI compressors, cooling and heating are intelligently controlled.



## OPERATING RANGE

Wide operability for all sizes.

up to **46°C**  
in cooling

up to **-15°C**  
in heating

## LARGE, SILENT FLOW WITH JET AIR TECHNOLOGY

Aircraft technology for wide and silent airflow. MHI has used the same aerodynamic analysis technology in developing jet engines for its air conditioners.

## EVERYTHING IS UNDER CONTROL WITH INTESIS WIFI

Set the air conditioner wherever you are directly from your smartphone: switch it on, switch it off, set operating mode, and adjust temperature and airflow. WiFi control is optional.



# HIGH PERFORMANCE



Outdoor unit	<b>EER*</b>	<b>COP*</b>	<b>SEER*</b>	<b>SCOP*</b>
SCM 30 ZS-W	<b>5.77</b>	<b>5.41</b>	<b>8.60 / A+++</b>	<b>4.80 / A++</b>
SCM 40 ZS-W	<b>5.00</b>	<b>5.42</b>	<b>9.10 / A+++</b>	<b>4.70 / A++</b>
SCM 45 ZS-W	<b>4.69</b>	<b>5.00</b>	<b>9.10 / A+++</b>	<b>4.70 / A++</b>
SCM 41 ZS-W	<b>5.56</b>	<b>5.56</b>	<b>9.20 / A+++</b>	<b>4.60 / A++</b>
SCM 50 ZS-W	<b>4.90</b>	<b>5.17</b>	<b>8.80 / A+++</b>	<b>4.60 / A++</b>
SCM 60 ZS-W	<b>4.55</b>	<b>4.86</b>	<b>8.80 / A+++</b>	<b>4.60 / A++</b>
SCM 71 ZS-W	<b>5.00</b>	<b>4.91</b>	<b>8.30 / A++</b>	<b>4.60 / A++</b>
SCM 80 ZS-W	<b>4.71</b>	<b>4.77</b>	<b>8.20 / A++</b>	<b>4.60 / A++</b>
SCM 100 ZS-W	<b>3.70</b>	<b>4.41</b>	<b>8.60 / A+++</b>	<b>4.50 / A+</b>

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

## HIGH POWER, TURBO FUNCTION

A powerful air supply that quickly brings the room to the desired temperature.

## SLEEP TIMER NIGHT FUNCTION

Modulates the activity of the air conditioner at night, ensuring energy saving.

## HUMIDITY UNDER CONTROL

Dehumidification removes humidity from the air, lowering the perceived temperature during the summer period.

## WEEKLY TIMER

Up to 4 timer programmes are available for each day of the week. Up to 28 programmes per week can be set.

## 24-HOUR PROGRAMMABLE TIMER

You can register two Timer selections per day by combining a Start Timer with a Stop Timer.

Once set, the Timers will start and stop the system at the programmed time, repeating the operation daily.

## FLAP POSITION MEMORY

In any mode of operation, the unit automatically selects the optimum air diffusion flap angle.

## SELF CLEAN FUNCTION

At the end of the unit's operation, the automatic cleaning procedure starts, continuing for 2 hours.

The function provides for the indoor unit's drying and prevents mould formation.



# SKM MULTISPLIT

NEW



SKM 15-20-25-35 ZSP-W



SCM 30-40-45 ZS-W  
SCM 41-50-60 ZS-W



SCM 71-80 ZS-W  
SCM 100 ZS-W

Model	SKM 15 ZSP-W		SKM 20 ZSP-W		SKM 25 ZSP-W		SKM 35 ZSP-W	
Rated heating	Cooling / Heating	kW	1.50 / 2.00	2.00 / 3.00	2.50 / 3.40	3.50 / 4.50		
<b>Product specifications</b>								
Dimensions / Net weight	LxDxH mm / Kg		783x210x267 / 7.5	783x210x267 / 7.5	783x210x267 / 7.5	783x210x267 / 7.5		
Sound power level (Hi)	Cooling / Heating	dB(A)	57 / 56	57 / 56	57 / 56	58 / 58		
Sound pressure level (Hi/Me/Lo)	Cooling / Heating	dB(A)	42-35-22 / 41-36-26	42-35-22 / 41-36-26	43-36-23 / 41-36-27	44-37-25 / 42-37-30		
Treated air volume (Hi/Me/Lo)	Cooling / Heating	m <sup>3</sup> /h	510-420-300 / 480-420-330	510-420-300 / 480-420-330	510-420-300 / 480-420-330	540-450-300 / 510-420-360		
<b>Optional parts</b>								
Wi-Fi module	INWFUIN0011000							
Interface for home automation connection and wired control	Not available for this product							

Model	SCM 30 ZS-W		SCM 40 ZS-W		SCM 45 ZS-W		SCM 41 ZS-W		SCM 50 ZS-W		SCM 60 ZS-W		SCM 71 ZS-W		SCM 80 ZS-W		SCM 100 ZS-W	
Connectable indoor units (min - max)	no.	2 - 2	2 - 2	2 - 2	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	* 2 - 5
I.U. connectable rated capacity min/max	kW	3.00 - 5.00	4.00 - 6.00	4.50 - 7.00	4.00 - 7.00	4.00 - 8.50	4.00 - 11.00	7.00 - 12.50	8.00 - 13.50	9.00 - 16.00								
<b>Nominal data</b>																		
Rated capacity (T=+35°C)	Cooling	kW	3.00 (1.40~5.00)	4.00 (1.50~5.90)	4.50 (1.50~6.40)	4.00 (1.40~6.30)	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	0.52 (0.32~1.60)	0.80 (0.34~2.10)	0.96 (0.34~2.30)	0.72 (0.32~1.65)	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 <sup>1</sup>	5.77	5.00	4.69	5.56	4.90	4.55	5.00	4.71	3.70							
Rated capacity (T=+7°C)	Heating	kW	4.00 (1.00~5.70)	4.50 (1.00~6.30)	5.30 (1.00~6.50)	4.50 (1.00~6.90)	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	0.74 (0.25~1.49)	0.83 (0.25~1.48)	1.06 (0.25~1.48)	0.81 (0.25~1.58)	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 <sup>1</sup>	5.41	5.42	5.00	5.56	5.17	4.86	4.91	4.77	4.41							
<b>Seasonal data</b>																		
Seasonal energy efficiency index	Cooling	SEER <sup>2</sup>	8.60	9.10	9.10	9.20	8.80	8.80	8.30	8.20	8.60							
Seasonal energy efficiency class		626/20113	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A++	A++	A+++						
Annual energy consumption		kWh/a	123	154	174	153	199	239	300	342	407							
Seasonal energy efficiency index	Heating (average climate conditions)	SCOP <sup>2</sup>	4.80	4.70	4.70	4.60	4.60	4.60	4.60	4.60	4.50							
Seasonal energy efficiency class		626/20113	A++	A++	A++	A++	A++	A++	A++	A++	A+							
Annual energy consumption		kWh/a	962	1222	1222	1034	1430	1430	2038	2038	2116							
<b>Refrigerant circuit</b>																		
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)																
Quantity refrigerant pre-load	Kg	1.25	1.4	1.4	1.6	1.8	1.8	2.55	2.55	2.98								
Tons of CO2 equivalent	t	0.844	0.945	0.945	1.080	1.215	1.215	1.721	1.721	2.012								
Diameter of refrigerant piping	Liquid	mm	ø6.35 (1/4") x 2	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 3	ø6.35 (1/4") x 4	ø6.35 (1/4") x 4	ø6.35 (1/4") x 5							
	Gas	(inch)	ø9.52 (3/8") x 2	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 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	30	40	40	40	70	70	75								
Max length of a single refrigeration line	m	25	25	25	25	25	25	25	25	25								
Max height difference I.U./O.U.	m	15	15	15	15	15	15	20	20	20								
Max height difference between I.U.	m	25	25	25	25	25	25	25	25	25								
Splitting length without additional load	m	30	20	20	40	40	40	30	30	40								
Additional load per metre of splitting	g/m	20	20	20	20	20	20	20	20	20								
<b>Product specifications</b>																		
Dimensions	LxDxH	mm	780(+90)x290x595	780(+90)x290x595	780(+90)x290x595	850(+65)x290x640	850(+65)x290x640	850(+65)x290x640	880(+73)x340x750	880(+73)x340x750	970(+73)x370x945							
Net weight	Kg	35.5	40	40	42.5	48.5	48.5	61	61	73								
Sound power level	Max	dB(A)	64	64	65	64	64	67	67	72								
	Silent mode	dB(A)	51	51	52	52	52	54	54	59								
Sound pressure level	Max	dB(A)	45	46	46	44	44	50	50	50								
	Silent mode	dB(A)	45	46	46	44	44	50	50	50								
Treated air volume	Max	m <sup>3</sup> /h	1950	1950	1950	2460	2460	3360	3360	4500								
Operating limits (outside temperature)	Cooling	°C	-15~46															
	Heating	°C	-15~24															

1. 2. 3. 4. For standards, please refer to the MHI general catalogue. \* The combinations with 2 indoor units have many limitations. Always check the proposed combination with our technical office.

06-2023

