

TECHNOLOGY  
NEXT



**MITSUBISHI**  
HEAVY INDUSTRIES

AIR CONDITIONERS

**HEAVY DUTY**



Eco Smart

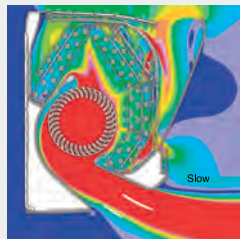
UNIVERSE OF INNOVATIVE  
CONDITIONING



HYPER  
INVERTER  
CATALOG

# JET AIR FLOW

## Jet Air Flow Technology Quiet Air Flow & Long Reach



CFD (computational fluid dynamics), used in blade shape design of jet engines, has been applied to the design of air channels in air conditioners to develop the ideal air channel system (air circulation). The air flow of the jets created in this system enable a large volume of air to be blown with minimum power consumption, yet the air flow is uniform, quiet and reaches points a long distance from the blower.



## Long Reach Air Flow

Long reach air flow is realized by Jet technology.

SRK50ZS-S6 (1.5 Ton)



20 Feet

SRK100ZR-S6 (3.1 Ton)



65 Feet



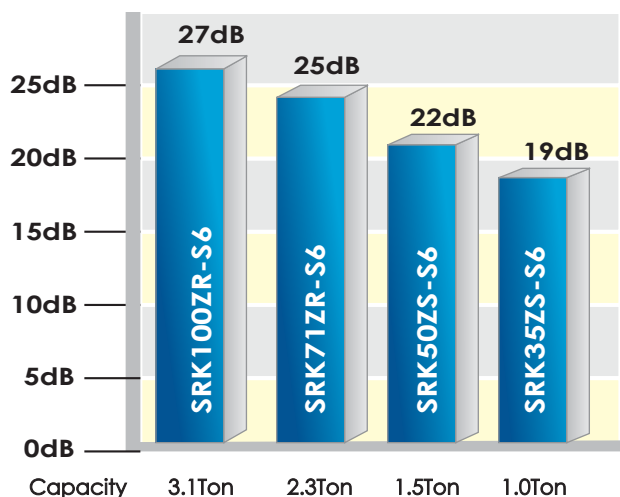
## High Power Operation In a cooling operation

This operation mode delivers powerful cool air to cool the room quickly. It blows powerful cool air when you want to be cooled down after bathing or returning home on a hot summer day so that you can enjoy a cool sensation immediately. The air conditioner automatically returns to the previous operation mode in 15 minutes to prevent the room from being cooled excessively.

## Silent Operation Indoor Unit



SUPER SILENT IN  
ULTRA LOW FAN



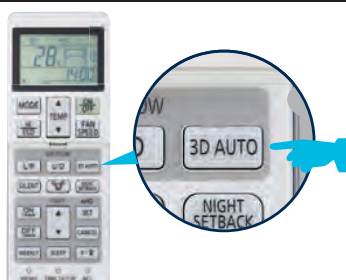
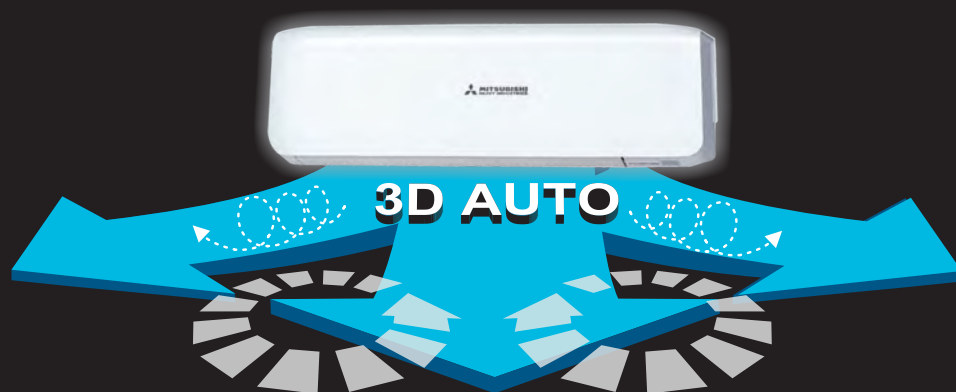
## Outdoor Unit

When Silent operation is set, the maximum pressure level of outdoor unit will be 3dB(A) lower than standard nominal level (45dB(A) or less). The compressor speed is set at a lower range than that of nominal operation, operating at 60% of nominal capacity. Maximum fan speed of outdoor unit is set lower than nominal operation.

SRK35ZS-S6, SRK50ZS-S6, SRK71ZR-S6,  
SRK100ZR-S6, SRK24YRV-S1



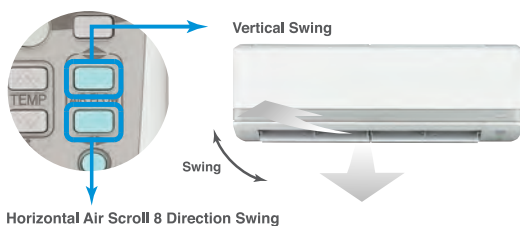
# COMFORT & CONVENIENCE



**3D AUTO** is one touch programmed and three motors ( one vertical working motor + two horizontal working motors ) make three independent air flow controls. The air flow is uniform and quiet and reaches at long distance points from the blower.

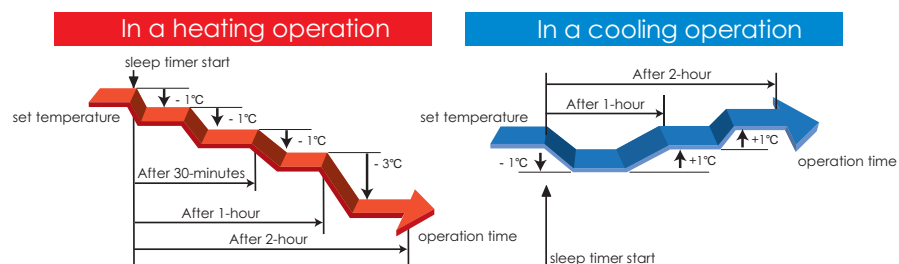
## MANUAL SETTING

By individual control of right and left part of louver, air flow direction from the right part and the left part are controlled individually. Setting the most preferable air flow direction and determining whether direct air flow is required or not at the same time minimizing of energy loss and economical operation has realized.



## Sleep Timer

Too much cooling/heating is not necessary when people go to sleep. This function achieves moderate cooling/heating by adjusting its capacity and more energy saving as well.



## Night Setback Operation

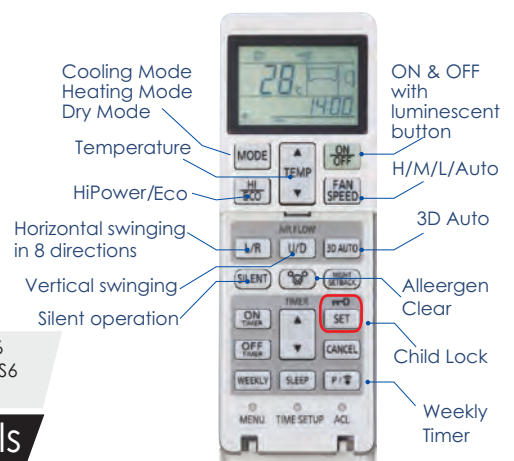
### In Heating Mode

During cold seasons, room temperature can be maintained at a comfortable level even while the room is unattended. The air conditioner keeps the temperature at 10°C.



SRK35ZS-S6, SRK50ZS-S6  
SRK71ZR-S6, SRK100ZR-S6  
SRK24YRV-S1

## Easy Controls

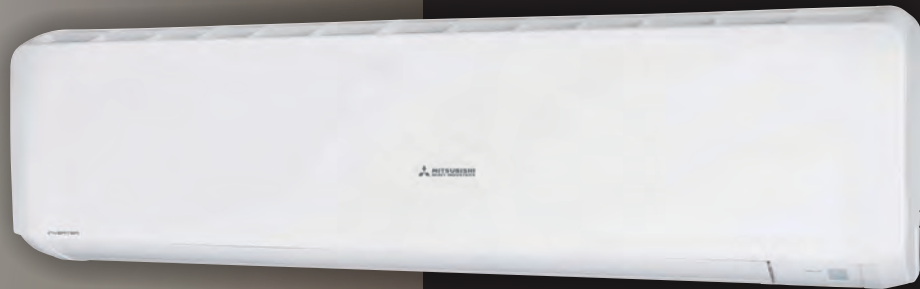




# HYPER INVERTER

ECO SMART

Cooling Only



SRK24YRV-S1



SRK10YL-S / SRK13YL-S / SRK18YL-S



SUPER HIGH EFFICIENCY  
EXCELLENT ENERGY SAVING



SUPER SILENT IN  
LOW FAN



## Comfortable Air Flow Functions



## Maintenance

## Clean Air



## Comfortable Function



## Others



## Convenient & Economy Functions



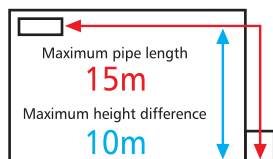
## New Inverter Vector Control

New Inverter Control has applied new advanced technology of Vector control and has realized high efficiency.

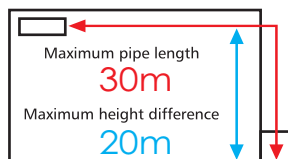
- Smooth operation from low speed to high speed
- Energy efficiency is further improved in low speed range.
- Smooth Sine Voltage Wave form are attained



## Refrigerant Pipe Length



SRK10YL-S / SRK13YL-S



SRK24YRV-S1



SRC10YL-S / SRC13YL-S



SRC18YL-S

SPECIFICATIONS		ECO SMART - HYPER INVERTER ( R410A ) - COOLING ONLY			
	Unit	SRK10YL-S	SRK13YL-S	SRK18YL-S	SRK24YRV-S1
MODEL	Indoor Unit	SRK10YL-S	SRK13YL-S	SRK18YL-S	SRK24YRV-S1
	Outdoor Unit	SRC10YL-S	SRC13YL-S	SRC18YL-S	SRK24YRV-S1
Maximum Tonnage*		0.80	1.2	1.6	2.2
Compressor Type		Super Tropical - DC PAM Inverter - Return Cooled - Rotary			Twin Rotary
VFD - Variable Frequency Drive		Inverter Vector Control Technology for Higher Efficiency			
Minimum Compressor RPM		7 RPM - Using Vector Control Technology			
Refrigerant Volume Control Using		Motorized Electronic Expansion Valve for Variable Refrigerant Flow			
LCD Remote Control ( iPM Controller )		iPM ( Intelligent Power Module )			
Power Source		1 Phase, 220 / 230 V, 50 Hz			
Maximum Cooling Capacity*	BTU/hr	10200	14200	19100	26400
Minimum Cooling Capacity		3000	3000	4000	7847
Rated Cooling Capacity		9600	13200	18015	24225
Maximum Cooling Capacity*	Watts	2989	4161	5598	7750
Minimum Cooling Capacity		880	880	1172	2300
Rated Cooling Capacity		2814	3869	5280	7100
Maximum Power Consumption **	watts	670	1010	1650	2700
Minimum Power Consumption **		120	150	200	350
Rated Power Consumption **		500	800	1250	1850
EER / COP** at Maximum Cooling Capacity*	W/w	4.5	4.1	3.4	2.9
EER / COP** at Minimum Cooling Capacity		7.3	5.9	5.9	6.6
EER / COP** at Rated Cooling Capacity		<b>EER = 5.6</b>	<b>ISEER = 5.0</b>	<b>ISEER = 4.30</b>	<b>ISEER = 4.45</b>
Current ( Minimum ~ Maximum ) **	A	0.5 ~ 3.0	0.65 ~ 4.3	0.87 ~ 7.0	1.52 ~ 9.0
Dimension (H x W x D)	Indoor Unit	mm	268 x 790 x 213		339 x 1197 x 262
	Outdoor Unit	mm	540 x 780(+62) x 290	540 x 780(+62) x 290	595 x 780(+62) x 290
Weight	Indoor Unit	Kgs	9.0	9.0	10.0
	Outdoor Unit	Kgs	29	32	35
Cooling Coil Row	Indoor Unit	No.s	2	3	3
Air Flow (CMH)	Indoor Unit	m <sup>3</sup> /hr	600	790	1000
Long Reach Air Flow Upto	Indoor Unit	Feet	15	15	17
Self Diagnosis Function	Indoor Unit		Yes	Yes	Yes
Sound Level (H/M/L)	Indoor Unit	dB	39 / 30 / 22	39 / 30 / 22	45 / 38 / 26
Louver Swing	Indoor Unit		3D + 3D AUTO		
Special Filter	Indoor Unit		Enzyme + Solar + Anti Bacterial		
Fan	Indoor Unit		Anti - Micro Bial Fan		
DC Fan Motor Speed	Indoor Unit		Auto / Powerful / High / Medium / Low / Dry/ (Ultra Low-in-silent mode in SRK24YRV-S1)		
Refrigerant			R410A		
Refrigerant Injection in Coil			4 Point - Multi Port		
Refrigerant Piping Thickness:18Gauge(1mm)	Liquid Line	mm	6.35 ( 1/4" )		
	Gas Line	mm	9.52 ( 3/8" )	9.52 ( 3/8" )	12.7 ( 1/2" )
Main Power Supply to	Outdoor Unit		2.5 mm <sup>2</sup> x 3 cores (including earthing)		
Connecting wiring	B/w IDU & ODU		1.5 mm <sup>2</sup> x 4 cores (including Earthing)		
Area Coverage ***	Sq.Feet		80 ~ 140	130 ~ 170	150 ~ 200

\* Cooling Capacity is derived Maximum during evening & night when the temperature is less than 35°C

\*\* Under Standard Installation & Lab Test Condition

\*\*\* Check for design condition and corresponding parameters like roof / window exposed to direction sunlight, of the area to be Air- conditioned.  
Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without any prior notice

**ISEER = INDIAN SEASONAL ENERGY EFFICIENCY RATIO**

# HYPER INVERTER

ECO SMART

Cooling + Heating

ELEGANT TIMELESS DESIGN



SRK35ZS-S6, SRK50ZS-S6



SUPER SILENT IN LOW FAN

SUPER HIGH EFFICIENCY  
EXCELLENT ENERGY SAVING



Comfortable Air Flow Functions



Clean Air



Others



Comfortable Function



Convenient & Economy Functions





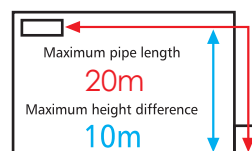


SRK71ZR-S6, SRK100ZR-S6

## New Inverter Vector Control

New Inverter Control has applied new advanced technology of Vector control and has realized high efficiency.

- Smooth operation from low speed to high speed
- Energy efficiency is further improved in low speed range.
- Smooth Sine Voltage Wave form are attained

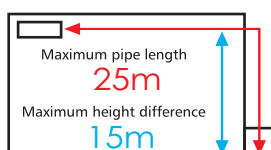


SRK35ZS-S6

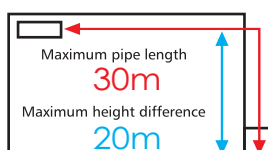


SRK35ZS-S6/ SRC50ZS-S6

## Refrigerant Pipe Length



SRK50ZS-S6



SRK71ZR-S6 / SRK100ZR-S6



SRC71ZRS-S6



FDC100VNP

SPECIFICATIONS		ECO SMART - HYPER INVERTER ( R410A ) - COOLING + HEATING			
	Unit	SRK35ZS-S6	SRK50ZS-S6	SRK71ZR-S6	SRK100ZR-S6
MODEL	Indoor Unit	SRK35ZS-S6	SRK50ZS-S6	SRK71ZR-S6	SRK100ZR-S6
	Outdoor Unit	SRC35ZS-S6	SRC50ZS-S6	SRC71ZR-S6	FDC100VNP
Maximum Tonnage*	(Cooling/Heating)	1.0 / 1.35	1.5 / 1.90	2.3 / 2.85	3.1 / 3.3
Super Tropical Compressor Type		ROTARY		TWIN ROTARY	
VFD - Variable Frequency Drive		Inverter Vector Control Technology for Higher Efficiency			
Minimum Compressor RPM		7 ~ 15 RPM - Using Vector Control Technology			
Refrigerant Volume Control Using		Motorized Electronic Expansion Valve for Variable Refrigerant Flow			
LCD Remote Control ( iPM Controller )		iPM (Intelligent Power Module)			
Power Source		1 Phase, 220 / 230 V, 50 Hz			
Maximum Capacity*	(Cooling / Heating)	BTU/hr	14000 / 16375	19200 / 22520	27600 / 34200
Minimum Capacity	(Cooling / Heating)		3400 / 3070	5800 / 5500	7850 / 6825
Rated Capacity	(Cooling / Heating)		12000 / 13650	17231 / 20500	24255 / 27300
Maximum Capacity*	(Cooling / Heating)	Watts	4100 / 4800	5627 / 6680	8090 / 10023
Minimum Capacity	(Cooling / Heating)		995 / 900	1700 / 1600	2300 / 2000
Rated Capacity	(Cooling / Heating)		3517 / 4000	5050 / 5800	7100 / 8000
Maximum Power Consumption**	(Cooling / Heating)	watts	1200 / 1100	1600 / 1550	2400 / 2600
Minimum Power Consumption**	(Cooling / Heating)		150 / 200	300 / 250	450 / 375
Rated Power Consumption**	(Cooling / Heating)		980 / 900	1375 / 1300	2000 / 1950
EER / COP** at Maximum Cap*	(Cooling / Heating)	W/w	3.42 / 4.36	3.52/ 4.31	3.33 / 3.85
EER / COP** at Minimum Cap	(Cooling / Heating)		6.25 / 6.43	5.67 / 6.40	5.11 / 5.33
EER / COP ** at Rated /Cap	(Cooling / Heating)		ISEER = 4.75 (Cooling)	ISEER = 4.75 (Cooling)	EER = 3.55 / 4.10
Rated Current Cooling Mode ( Minimum - Maximum ) **		A	0.70 ~ 4.5	1.30 ~ 6.7	1.85 ~ 8.2
Dimension (H x W x D)	Indoor Unit	mm	290 x 870 x 230		339 x 1197 x 262
	Outdoor Unit	mm	540 x 780(+62) x 290	595 x 780(+62) x 290	750 x 880(+88) x 340
Weight	Indoor Unit	Kgs	11.0	12.5	18.5
	Outdoor Unit	Kgs	36	38	72
Cooling Coil Row	Indoor Unit	No.s	2	3	3
Air Flow	Indoor Unit	CMH	810	1000	1450
Long Reach Airflow Upto	Indoor Unit	Feet	17	20	65
Self Diagnosis Function	Indoor Unit		Yes	Yes	Yes
Sound Level (H/M/L/U/Lo)	Indoor Unit	dB	40 / 30 / 26 / 19(U-low)	45 / 36 / 28 / 22 (U - low)	44 / 41 / 37 / 25 (U - Low)
Louver Swing	Indoor Unit		3D + 3D AUTO	3D + 3D AUTO	3D + 3D AUTO
Special Filter	Indoor Unit		Allergen + Solar + Anti Bacterial - Filters		
Blower Fan	Indoor Unit		Anti - Micro Biol Fan		
DC Fan Motor Speed	Indoor Unit		Auto / Powerful / High / Medium / Low / ULo (Silent Mode) / Dry		
Refrigerant			R410A	R410A	R410A
Refrigerant Piping Thickness: 18Gauge (1mm)	Liquid Line	mm	6.35 (1/4")		9.52 (3/8")
	Gas Line	mm	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")
Main Power Supply to	Outdoor Unit		2.5 mm2 x 3 cores (with Earthing Cable)		
Connecting wiring	B/w IOU & ODU		2.5 mm2 x 4 cores (with Earthing Cable)		
Operating Temperature Range	Heating	°C	-15°C ~ 24°C		
Area Coverage***		Sq.Feet	130 ~ 165	165 ~ 200	300 ~ 450

\* Cooling Capacity is derived Maximum during evening & night when the temperature is less than 35°C. \*\* Under Standard Installation & Lab Test Condition

\*\*\* Check for design condition and corresponding parameters like roof / window exposed to direction sunlight, of the area to be Air- conditioned. Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without any prior notice

ISEER = INDIAN SEASONAL ENERGY EFFICIENCY RATIO



Our Motto  
"Customer Satisfaction  
Index No.-1"



TOWARDS  
A BETTER  
FUTURE  
TOGETHER

## PRECAUTIONS

Always get the Mitsubishi Heavy Ind. Airconditioners installed by Authorized Mitsubishi Heavy Ind. Sales & Service Channel Partners only. Do not try to install the AC either by yourself or any unauthorized dealer. Improper installation can result into non performance, low cooling, refrigerant leakage, electrical shocks.

Warranty of the product shall be null & void, if not installed by an authorized Mitsubishi Heavy Ind. Sales & Service Channel Partner. In no case it will be company's responsibility if the AC unit is installed by an unauthorized dealer, is unable to perform.

Warranty of the AC unit component shall be null & void if non specified/non genuine spares are used or repaired by an unauthorized dealer.

Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without notice. In case of any adverse area to be conditioned, if it is not verified by the company/dealer engineer and selection of the AC unit is made by the customer based on the specifications without taking any prior advice, then company will not be responsible for any variance in the performance of the AC unit installed.

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