IAPL GROUP

TURBOJET Series ターボジェット

COOLING HO TOH

HEAVY DUTY

HYPER INVERTER

MITSUBISHI HEAVY INDUSTRIES

AIR CONDITIONERS

HEAVY DUTY

Country of Origin : Thailand

HYPER INVERTER

DC PAM Inverter Twin Rotary Compressor

Mitsubishi Heavy Duty AC of 2.0 ton & above capacity units uses DC PAM Inverter Twin Rotary Compressor which performs high efficiency operation under the wide range capacity variance from low 10% to high 120% of its nominal capacities using DC PAM Technology.

Besides low vibration & low sound level, high efficiency is achieved by the optimization of mechanical parts dimension and by the application of high power Neodymium motor.

Advantages:

- Neodymium motor
- 1.5 times Higher compression ratio
- Wider range of operation
- Lower vibration & noise
- Zero Starting currents
- Improved efficiency with 0.1Hz step up
- Higher efficiency

Fuzzy Auto Mode

The temperature and humidity sensors check room conditions.
The unit automatically controls the operation mode and the setting temperature to operate efficiently.
Operation mode and cooling/heating capacity is controlled automatically according to one setting temperature.
Fuzzy auto mode offers automatic comfort temperature control even if weather condition changes quickly.

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

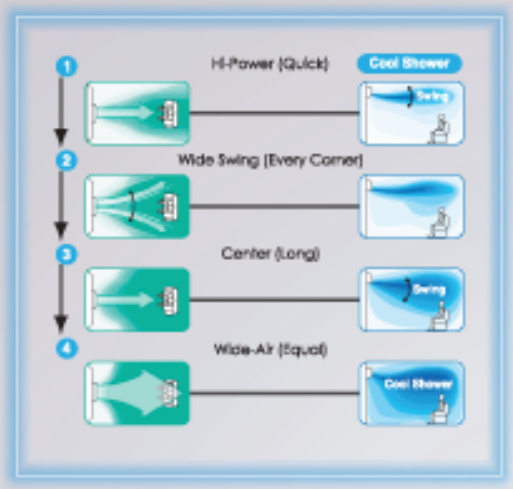
EEV = Electronic Expansion Valve

Compressor Protection With AI

Big Outdoor Unit

3D Air Flow

3D AIR VERTICAL + HORIZONTAL AIR SCROLL
3 MOTORS MAKE 3 INDEPENDENT CONTROLS



AUTO SETTING (3D AUTO)

Thanks to automatic control of air flow volume and air flow direction, comfortable air conditioning of the entire room can be done effectively.

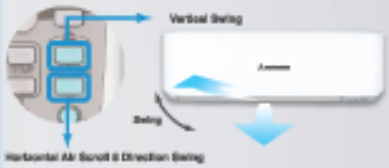
In cooling operation cooled air flows directly to the ceiling. The cooled air does not flow directly to the occupants of the room and the comfort cooled air flow comes from the ceiling like a soft shower.

In heating operation warm air flows to the floor directly and spreads along the floor. Due to concentration of the warm air on the floor level, optimum comfort can be achieved.

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.

SURROUND COOLING

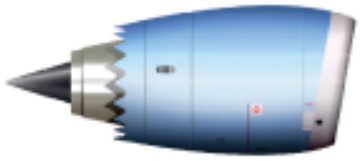


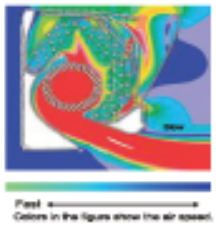
3D Auto

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.

TURBOJET
ターボジェット

JET FLOW TECHNOLOGY
POWERFUL & SILENT AIR FLOW



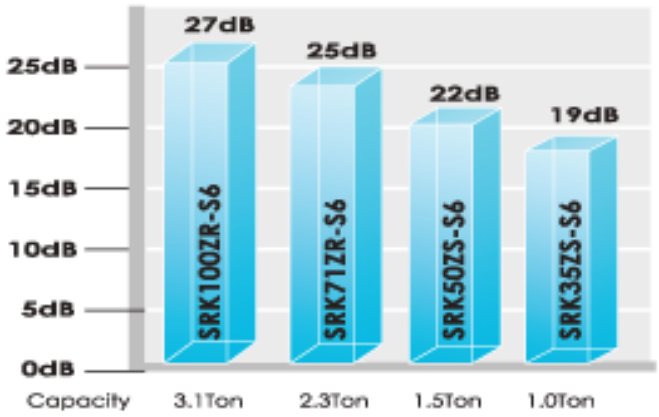


JET ENGINE TECHNOLOGY

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.

Silent Operation
Indoor Unit

19dB



SRK35ZS-S6, SRK50ZS-S6, SRK35ZSA-W, SRK50ZSA-W, SRK71ZR-S6, SRK100ZR-S6, SRK24YRV-S6

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.

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.

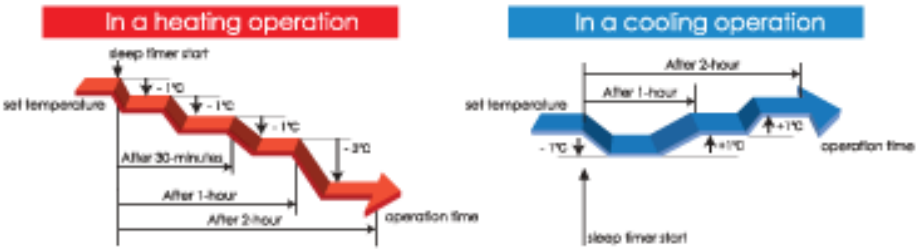
Night Setback Operation

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.

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.



19.81 METERS* SRK100ZR-S6 (3.1 Ton)

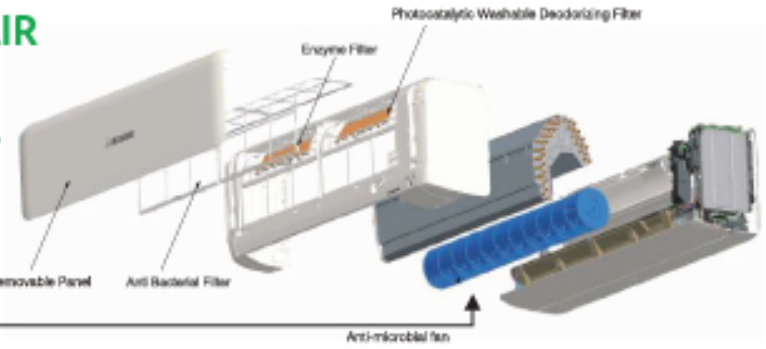
SRK100ZR-S6 (3.1 Ton) -> 19.81 Meter | SRK71ZR-S6 (2.3 Ton) -> 18.28 Meter
SRK24YRV-S6 (2.2 Ton) -> 18.28 Meter | SRK24YW-W6 (1.98 Ton) -> 18.28 Meter

CLEAN AIR

ANTI-MICROBIAL FAN

ANTI MICRO BIAL FAN

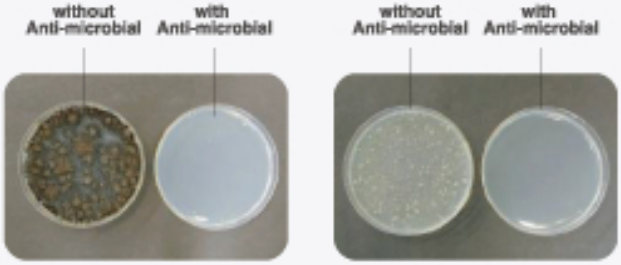
FOR GERM FREE AIR
ANTI - MOULD
ANTI - BACTERIAL



The blower fan has undergone anti-microbial treatment to resist mold and germs, making the system clean and safe. Foul odors and molds, etc. which can occur when an air conditioning system is not in operation are prevented.

- Intestinal bacteria (Escherichia coli IFO 3972)
- Staphylococcus aureus subsp. aureus IFO 12732
  Testing Authority: Japan Food Analysis Center
  Test Results Issued: 2004-4-7.
  Test Report No.: 104034022-001
  Tests were conducted with reference to the antimicrobial strength tests in JIS Z 2801 2000 "Antimicrobial Products-Antimicrobial Test Method" –5.2 Antimicrobial Effects: Test Methods for Plastic Products, etc.
- Aperglllus niger IFO 6341
  Testing Authority: Japan Food Analysis Center
  Test Results Issued: 2004-4-23.
  Test Report No.: 104034022-002
  Tests were conducted with reference to the antimicrobial strength tests in JIS Z 2801 2000 "Antimicrobial Products-Antimicrobial Test Method" –5.2 Antimicrobial Effects: Test Methods for Plastic Products- etc.

Comparison of growth of bacteria and mold on fan surfaces (microscopic image)



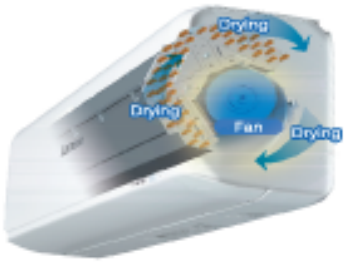
Aspergillus niger IFO 6341 **Escherichia coli IFO 3972**

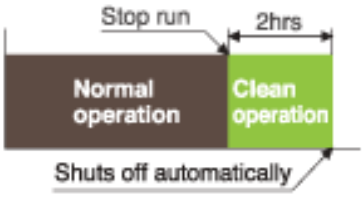
In tests conducted at the Mitsubishi Heavy Industries Nagoya Research Lab, 24 hrs after contact with bacteria- cultured on agar media

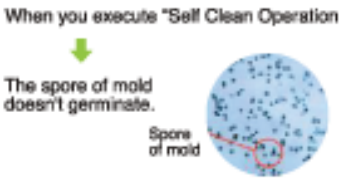
SELF CLEAN OPERATION

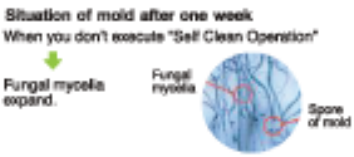
Always Keeping Indoor Unit Clean

"Self Clean Operation" is operated for 2 hours after the unit has stopped its normal operation. The indoor unit is dried up and the growth of mold is restrained. Users can select whether this mode is utilized or not.









ALLERGEN CLEAR OPERATION

This can be activated by pressing the "allergen" button on the remote control and lasts 90 minutes before stopping automatically. It neutralizes all the bacteria collected on the surface of the anti-allergenic filter thanks to its sophisticated interaction between temperature and humidity controls.

Catching Allergen on the Filter

Cooling Operation
To make condensing water.

Heating Operation
To give moisture to the Filter to inactivate allergen

AIR Purify
Self-Clean Operation
To dry up the indoor unit

ALLERGEN CLEAR FILTER

Enzyme + Urea deactivates allergens and bacteria.

The allergen clear filter breaks down the pollen, lice, and allergens that live on cat skins, etc. and deactivates them. The secret of deactivation is the Enzyme-ureacompound. It deactivates not only allergens but also all kinds of bacteria, molds and viruses. Even if allergens and bacteria, etc. fly of the filter, they are deactivated, so the

PHOTOCATALYTIC DEODORIZING FILTER

THE DEODORIZING ABILITY OF THIS FILTER CAN BE EASILY RESTORED
SIMPLY BY CLEANING AND EXPOSING TO THE SUNLIGHT

Solar Filter

It will keep the air fresh by deodorizing the molecules causing odor. Its deodorizing power can be restored by washing with water and drying under the sun, as such it is capable of repeat use.

Feature Guide

Comfortable Air Flow Functions

Clean Air

Maintenance

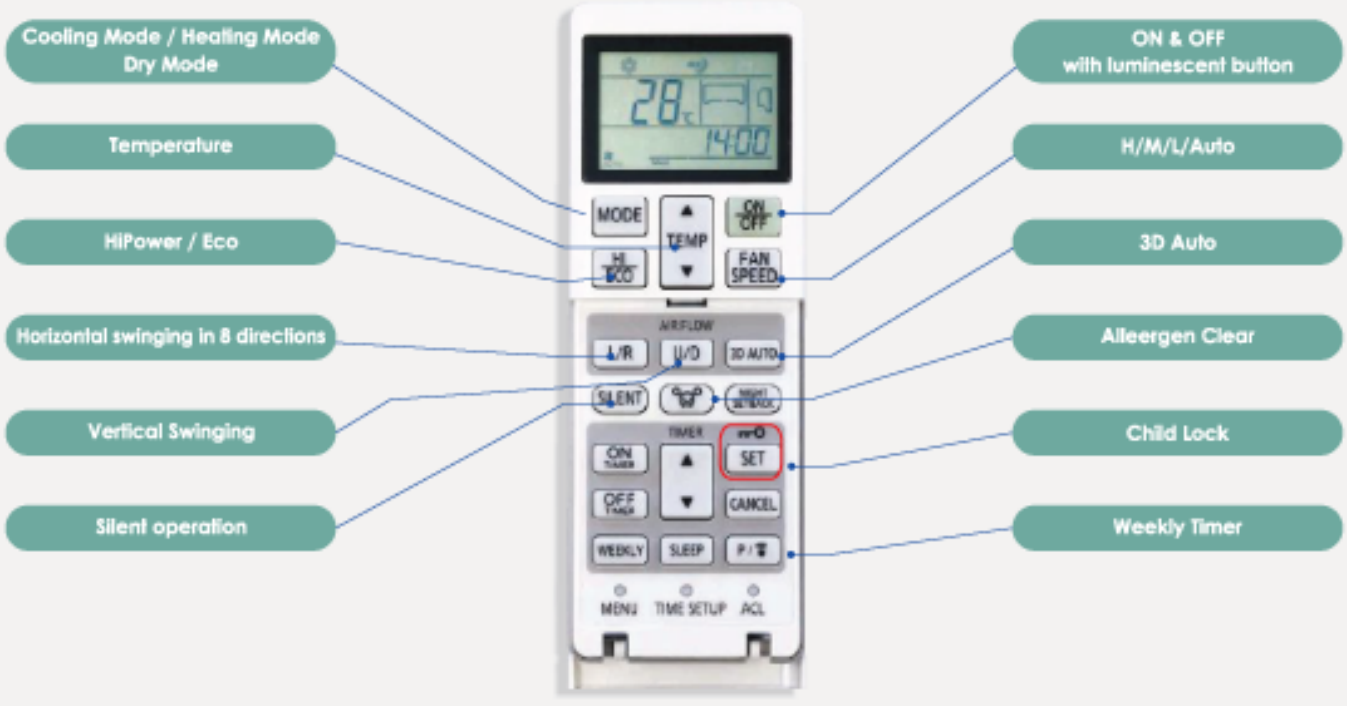
Comfortable Function

Convenient & Economy Functions

Others

Easy Controls

SRK35ZS-S6, SRK50ZS-S6
SRK35ZSA-W, SRK50ZSA-W
SRK71ZR-S6, SRK100ZR-S6
SRK24YRV-S6



DC PAM Inverter

The new MHI Hyper Inverter Airconditioners uses the Technology Next DC PAM Inverter Compressor with Vector Control for delivering very high energy efficiency for Electricity Saving upto 65%. Hyper Inverter uses a combination of PAM (Pulse Amplitude Modulation) + Vector Control for smooth transition from the low to high speed and vice versa.

Hyper Inverter uses Embedded Microprocessor – Micro Chip having 1,00,000 plus, permutation & combination of controlling the flow of refrigerant using Motorized EEV (Electronic Expansion Valve) corresponding to the speed of the DC Variable Speed compressor in accordance to the indoor temperature requirement with respect to the ambient temperature. This microprocessor electronically regulates the speed of the variable speed compressor & the flow of refrigerant thru EEV to give optimum refrigeration cycle to deliver highest cooling efficiency at minimum electricity consumption there by giving Electricity Saving upto 65% over Conventional AC. Hyper Inverter AC gives wide range of capacity deliverance from 10% to 120% using DC PAM Inverter Technology. Hyper Inverter AC compressor runs at 120% of its speed / capacity in first 15 minutes to achieve the desired temperature and once the set temperature is reached, it regulates the speed of compressor at 20% of its actual capacity thereby resulting into Electricity Saving upto 65% over to Conventional AC.

Features Comparison

SL NO.	Features	SRK10YL-S / SRK13YL-S SRK18YL-S / SRK24YRV-S6	SRK13YV5-W6 SRK18YV5-W6 SRK24YV5-W6	SRK13YW-W6 SRK18YW-W6 SRK24YW-W6	SRK35ZS-S6 / SRK50ZS-S6 SRK71ZR-S6 / SRK100ZR-S6	SRK35ZSA-W SRK50ZSA-W
1	DC PAM Inverter	✓	✓	✓	✓	✓
2	High Power Cooling	✓	✓	✓	✓	✓
3	Jet Air Flow	✓	✓	✓	✓	✓
4	3D Air	✓	✓		✓	✓
5	3D Auto	✓	✓		✓	✓
6	Auto Flap	✓	✓	✓	✓	✓
7	Memory	✓	✓	✓	✓	✓
8	Up/Down (Horizontal Louver)	✓	✓	✓	✓	✓
9	Lateral Swing (Vertical Louver)	✓	✓		✓	✓
10	Position of Installation	✓	✓		✓	✓
11	Economy Cooling	✓	✓	✓	✓	✓
12	Front Panel Detachable	✓	✓	✓	✓	✓
13	Enzyme Filter	✓	Vitamin C Filter	Vitamin C Filter	✓	✓
14	Solar Filter (Deodorizing)	✓	✓	✓	✓	✓
15	Anti Micro Biel Fan	✓	✓	✓	✓	✓
16	Self Clean Operation		✓	✓	✓	✓
17	Allergen Filter + Activated Carbon	✓	✓	✓	✓	✓
18	Auto Mode	✓	✓	✓	✓	✓
19	Fuzzy Logic	✓	✓	✓	✓	✓
20	Night Setback				✓	✓
21	Child lock		✓		✓	✓
22	Back-Up Switch	✓	✓	✓	✓	✓
23	Auto Restart	✓	✓	✓	✓	✓
24	Luminous Button	✓	✓	✓	✓	✓
25	100% Copper	✓	✓	✓	✓	✓
26	EEV	✓	✓	✓	✓	✓
27	Self Diagnostic	✓	✓	✓	✓	✓
28	Dry Mode	✓	✓	✓	✓	✓
29	Off timer	✓	✓	✓	✓	✓
30	Sleep Mode	✓	✓	✓	✓	✓
31	MC (Micro Computer)	✓	✓	✓	✓	✓
32	Silent Mode (Ulo Fan Speed)		✓		✓	✓
33	Super Silent in Low Fan	✓	✓		✓	✓
34	R410A	✓			✓	
35	R32		✓	✓		✓
36	Weekly Timer		✓	✓	✓	✓

Hyper Inverter

ECO SMART

Cooling Only

TURBOJET
ターボジェット
Series

2.2 Ton

SRK24YRV-S6

SRK10YL-S/ SRK13YL-S / SRK18YL-S

Super High Efficiency

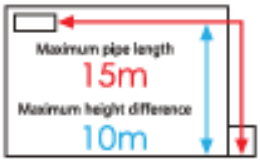
Excellent Energy Saving

SURROUND COOLING

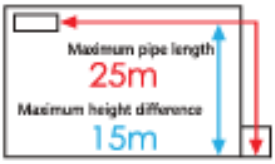
SPECIFICATIONS

			ECO SMART - HYPER INVERTER (R410A) - COOLING ONLY			
MODEL	Unit		SRK10YL-S	SRK13YL-S	SRK18YL-S	SRK24YRV-S6
	Indoor Unit		SRK10YL-S	SRK13YL-S	SRK18YL-S	SRK24YRV-S6
	Outdoor Unit		SRC10YL-S	SRC13YL-S	SRC18YL-S	SRC24YRV-S6
Maximum Tonnage**			0.80	1.1	1.6	2.2
BEE STAR RATING - 2019			5 Star	5 Star	4 Star	5 Star
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 ~ 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 Cooling Capacity at**	120% Load	BTU/hr	9861	13252	19609	26815
Rated Cooling Capacity at	100% Load	BTU/hr	9247	12454	18425	25198
Rated Cooling Capacity at	50% Load	BTU/hr	5203	6995	9646	13460
Maximum Cooling Capacity at**	120% Load	Watts	2890	3884	5747	7859
Rated Cooling Capacity at	100% Load	Watts	2710	3650	5400	7385
Rated Cooling Capacity at	50% Load	Watts	1525	2050	2827	3945
Rated Power Consumption at	100% Load	watts	670	975	1560	2000
Rated Power Consumption at	50% Load	watts	253	369	582	772
Rated EER / COP at	100% Load	W/w	4.3	3.7	3.5	3.7
Rated EER / COP at	50% Load	W/w	6.0	5.6	4.9	5.1
Rated Indian Seasonal Energy Efficiency		ISEER	5.41	5.00	4.49	4.75
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 224	268 x 790 x 224	268 x 790 x 224	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	750 x 880(+88) x 340
Weight	Indoor Unit	Kgs	9.0	9.0	10.0	18.5
	Outdoor Unit	Kgs	29	32	35	61
Cooling Coil Row	Indoor Unit	No.s	2	3	3	3
Air Flow (CMH)	Indoor Unit	m3/hr	600	790	1000	1450
Long Reach Air Flow Upto	Indoor Unit	Meters	4.57	4.57	5.18	18.28
Self Diagnosis Function	Indoor Unit		Yes	Yes	Yes	Yes
Sound Level (H/M/L)	Indoor Unit	dB	39 / 30 / 22	39 / 30 / 22	45 / 38 / 26	41/38/34/25(Silent Mode)
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-S6)			
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")	15.88 (5/8")
Main Power Supply to	Outdoor Unit		2.5 mm^2 x 3 cores (including Earthing)			
Connecting wiring	B/w IDU & OOU		2.5 mm^2 x 4 cores (including Earthing)			
Area Coverage ***		Sq.Meters	7.43 ~ 13.00	12.07 ~ 15.79	13.93 ~ 18.58	23.22 ~ 41.80

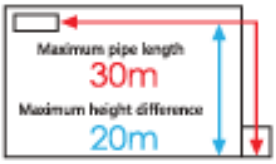
Refrigerant Pipe Length



SRK10YL-S / SRK13YL-S



SRK18YL-S



SRK24YRV-S6

Remote Control

R410A ECO-FRIENDLY

SRK10YL-S
SRK13YL-S
SRK18YL-S

SRK24YRV-S6

** 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

NEW SERIES 2019

Cooling Only

TURBOJET ターボジェット

Series

2.30 Ton

1.19 Meter

SRK24YVS-W6

SRK13YVS-W6 / SRK18YVS-W6

SURROUND COOLING

65%* Saving Electricity

Fuzzy

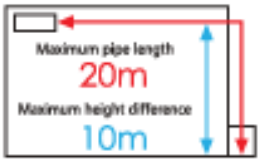
EEV

DC Pulse Amplitude Modulation PAM INVERTER

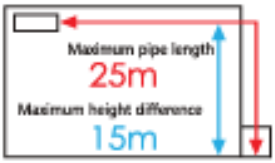
SPECIFICATIONS

SPECIFICATIONS			ECO SMART - HYPER INVERTER (R32) - COOLING ONLY		
MODEL	Unit		SRK13YVS-W6	SRK18YVS-W6	SRK24YVS-W6
	Indoor Unit		SRK13YVS-W6	SRK18YVS-W6	SRK24YVS-W6
	Outdoor Unit		SRC13YVS-W6	SRC18YVS-W6	SRC24YVS-W6
Maximum Tonnage*			1.25	1.6	2.30
BEE STAR RATING - 2019			5 Star	5 Star	5 Star
Super Tropical Compressor Type			Rotary	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 Cooling Capacity		BTU/hr	15013	18766	28320
Rated Cooling Capacity at	100% Load		12334	18220	26272
Rated Cooling Capacity at	50% Load		6653	9468	13477
Maximum Cooling Capacity		Watts	4400	5500	8300
Rated Cooling Capacity at	100% Load		3615	5340	7700
Rated Cooling Capacity at	50% Load		1950	2775	3950
Rated Power Consumption at	100% Load	watts	775	1360	1800
Rated Power Consumption at	50% Load		307	503	690
Rated EER	100% Load	W/w	4.7	3.9	4.3
Rated EER	50% Load		6.4	5.5	5.7
Rated Indian Seasonal Energy Efficiency		ISEER	5.94	5.10	5.41
Current (100% Load Capacity)		A	0.70 – 3.6	1.1 – 6.2	1.5 – 8.5
Dimension (H x W x D)	Indoor Unit	mm	290 x 870 x 230	290 x 870 x 230	339 x 1197 x 262
	Outdoor Unit	mm	540 x 780(+62) x 290	640 x 800(+71) x 290	750 x 880(+88) x 340
Weight	Indoor Unit	Kgs	11.0	12.5	17.0
	Outdoor Unit	Kgs	36	40	60
Cooling Coil Row	Indoor Unit	No.s	2	3	3
Air Flow	Indoor Unit	CMH	850	1100	1450
Long Reach Air Flow Upto	Indoor Unit	Meters	5.18	6.09	18.28
Self Diagnosis Function	Indoor Unit		Yes	Yes	Yes
Sound Level (H/M/L/ULo)	Indoor Unit	dB	43 / 34 / 27 / 19 (U-low)	43 / 36 / 28 / 22 (U-low)	43 / 40 / 36 / 24 (U-low)
Louver Swing	Indoor Unit		3D + 3D AUTO		
Special Filter	Indoor Unit		Activated Carbon + Anti - Allergen + Vitamin 'C' + Anti Bacterial - Filters		
Blower Fan	Indoor Unit		Anti - Micro Bial Fan		
DC Fan Motor Speed	Indoor Unit		Auto / Powerful / High / Medium / Low / Ulo (Silent Mode) / Dry		
Refrigerant			R32	R32	R32
Refrigerant Piping Thickness:18Gauge	Liquid Line	mm	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Line	mm	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")
Main Power Supply to	Outdoor Unit		2.5 mm^2 x 3 cores (with Earthing Cable)		
Connecting wiring	B/w IDU & ODU		2.5 mm^2 x 4 cores (with Earthing Cable)		
Area Coverage ***		Sq. Meters	12.0 – 15.7	15.3 – 18.5	27.8 – 41.8

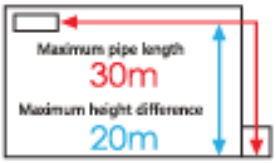
Refrigerant Pipe Length



SRK13YVS-W6



SRK18YVS-W6



SRK24YVS-W6

R32

Remote Control

SRK13YVS-W6 / SRK18YVS-W6 / SRK24YVS-W6

** 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

NEW SERIES 2019

Cooling Only

TURBOJET ターボジェット

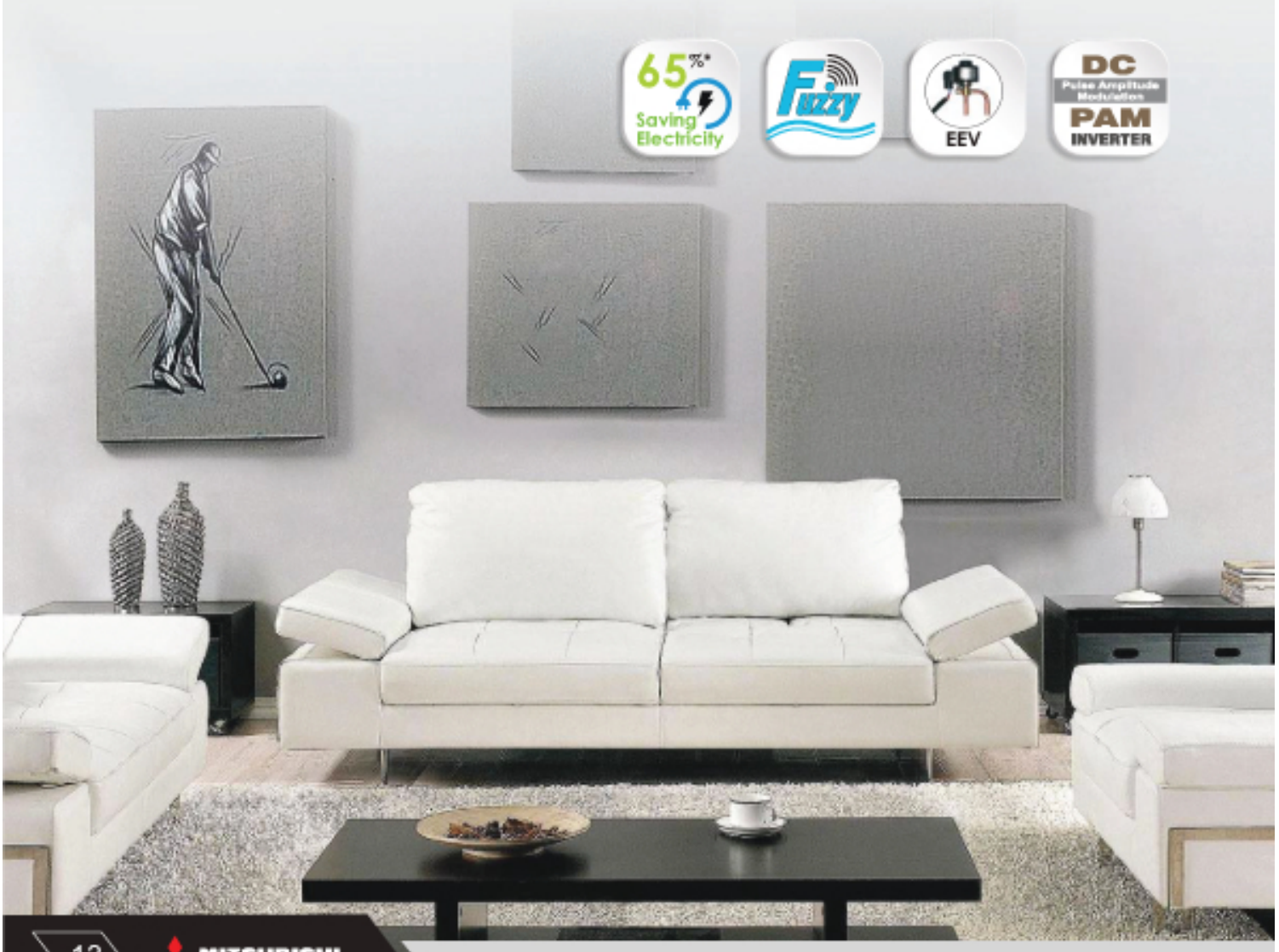
Series

1.98 Ton

1.19 Meter

SRK24YW-W6

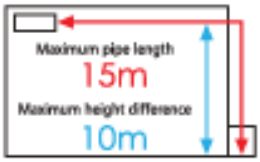
SRK13YW-W6 / SRK18YW-W6



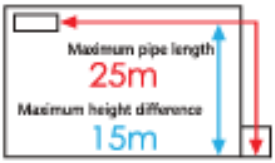
SPECIFICATIONS

SPECIFICATIONS			ECO SMART - HYPER INVERTER (R32) - COOLING ONLY		
MODEL	Unit		SRK13YW-W6	SRK18YW-W6	SRK24YW-W6
	Indoor Unit		SRK13YW-W6	SRK18YW-W6	SRK24YW-W6
	Outdoor Unit		SRC13YW-W6	SRC18YW-W6	SRC24YW-W6
Tonnage	(Cooling Only)		1.0	1.5	1.98
BEE STAR RATING - 2019			4 Star	4 Star	5 Star
Super Tropical Compressor Type			Rotary	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 Cooling Capacity		BTU/hr	12239	18879	25290
Rated Cooling Capacity at	100% Load		11502	17742	23765
Rated Cooling Capacity at	50% Load		6380	8854	12744
Maximum Cooling Capacity		Watts	3587	5533	7412
Rated Cooling Capacity at	100% Load		3371	5200	6965
Rated Cooling Capacity at	50% Load		1870	2595	3735
Rated Power Consumption at	100% Load	watts	1061	1523	1860
Rated Power Consumption at	50% Load		358	520	647
Rated EER	100% Load	W/w	3.2	3.4	3.7
Rated EER	50% Load		5.2	5.0	5.8
Rated Indian Seasonal Energy Efficiency		ISEER	4.49	4.49	5.12
Current (100% Load Capacity)		A	0.70 ~ 4.9	1.1 ~ 6.5	1.5 ~ 8.5
Dimension (H x W x D)	Indoor Unit	mm	267 x 783 x 210	267 x 783 x 210	339 x 1197 x 262
	Outdoor Unit	mm	540 x 645(+57) x 275	595 x 780(+62) x 290	640 x 800(+71) x 290
Weight	Indoor Unit	Kgs	10	10	17.0
	Outdoor Unit	Kgs	31	38	45
Cooling Coil Row	Indoor Unit	No.s	1	2	2
Air Flow	Indoor Unit	CMH	700	850	1450
Long Reach Air Flow Upto	Indoor Unit	Meters	5.18	7.62	17.06
Self Diagnosis Function	Indoor Unit		Yes	Yes	Yes
Sound Level (H/M/L/ULo)	Indoor Unit	dB	44 / 34 / 25	48 / 39 / 24	46 / 37 / 24
Louver Swing	Indoor Unit		2D		
Special Filter	Indoor Unit		Activated Carbon + Anti - Allergen + Vitamin 'C' + Anti Bacterial - Filters		
Blower Fan	Indoor Unit		Anti - Micro Bial Fan		
DC Fan Motor Speed	Indoor Unit		Auto / Powerful / High / Medium / Low / Ulo (Silent Mode) / Dry		
Refrigerant			R32	R32	R32
Refrigerant Piping Thickness:18Gauge	Liquid Line	mm	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Line	mm	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")
Main Power Supply to	Outdoor Unit		2.5 mm^2 x 3 cores (with Earthing Cable)		
Connecting wiring	B/w IDU & ODU		2.5 mm^2 x 4 cores (with Earthing Cable)		
Area Coverage ***		Sq. Meters	10.0 ~ 14.0	13.0 ~ 17.2	27.8 ~ 37.1

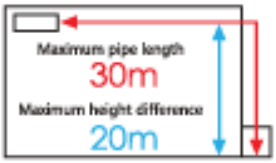
Refrigerant Pipe Length



SRK13YW-W6



SRK18YW-W6



SRK24YW-W6

Remote Control

SRK13YW-W6 / SRK18YW-W6 / SRK24YW-W6

** 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

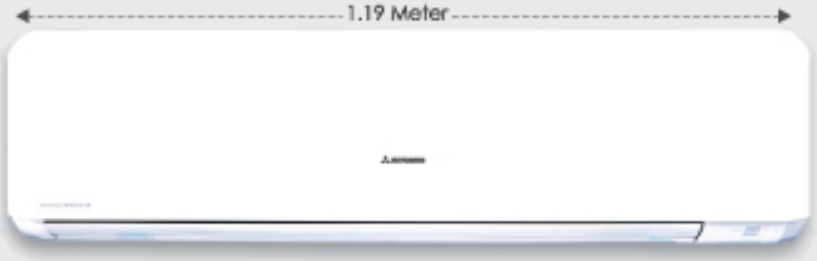
Cooling + Heating

Elegant Timeless Design

TURBOJET
ターボジェット

Series

3.1 Ton
2.3 Ton



SRK71ZR-S6, SRK100ZR-S6

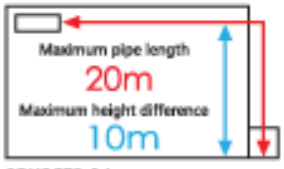
Super High Efficiency
Excellent Energy Saving

SRK35ZS-S6, SRK50ZS-S6

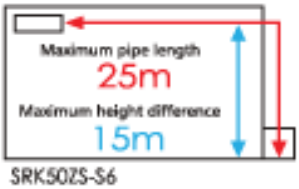
SPECIFICATIONS

			ECO SMART - HYPER INVERTER (R410A) - COOLING + HEATING			
MODEL	Unit		SRK35ZS-S6	SRK50ZS-S6	SRK71ZR-S6	SRK100ZR-S6
	Indoor Unit		SRK35ZS-S6	SRK50ZS-S6	SRK71ZR-S6	SRK100ZR-S6
	Outdoor Unit		SRC35ZS-S6	SRC50ZS-S6	SRC71ZR-S6	FDC100VNP
Maximum Tonnage**	(Cooling / Heating)		1.1 / 1.35	1.6 /1.90	2.3 / 2.85	3.1 / 3.3
BEE STAR RATING -2019			5 STAR	5 STAR	5 STAR	NOT APPLICABLE *
Compressor Type			Super Tropical - DC PAM Inverter - Return Cooled - Rotary		Super Tropical - DC PAM Inverter - Return Cooled - 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 (IntelIgent Power Module)			
Power Source			1 Phase, 220 / 230 V, 50 Hz			
Maximum Cooling Capacity at	120% Load	BTU/hr	12966	18766	27272	39579
Rated Cooling Capacity at	100% Load		12000	17231	25436	37208
Rated Cooling Capacity at	50% Load		5920	8615	12966	18664
Maximum Cooling Capacity at	120% Load	Watts	3800	5500	7933	11600
Rated Cooling Capacity at	100% Load		3517	5050	7455	10905
Rated Cooling Capacity at	50% Load		1735	2525	3800	5470
Rated Power Consumption at	100% Load	watts	980	1375	2000	3090
Rated Power Consumption at	50% Load		327	485	725	1500
Rated EER/ COP at	100% Load	W/w	3.6	3.7	3.7	3.5
Rated EER/ COP at	50% Load		5.3	5.2	5.2	3.6
Rated Indian Seasonal Energy Efficiency		ISEER	4.75	4.75	4.85	3.83#
Current (Minimum ~ Maximum)**		A	0.70 – 4.5	1.30 – 6.5	1.40 – 9.0	3.0 – 14.0
Maximum Heating Capacity**		BTU/hr	16378	22519	34200	39238
Minimum Heating Capacity			3071	5459	6825	10918
Rated Heating Capacity			13648	19790	27300	38214
Maximum Heating Capacity**		Watts	4800	6600	10023	11500
Minimum Heating Capacity			900	1600	2000	3200
Rated Heating Capacity			4000	5800	8000	11200
Maximum Power Consumption		watts	1100	1550	2060	3280
Minimum Power Consumption			200	250	375	650
Rated Power Consumption			900	1300	1950	3000
EER at Maximum HeatingCapacity		W/w	4.36	4.26	4.87	3.51
EER at Minimum Heating Capacity			4.50	6.40	5.33	4.92
EER at Rated Heating Capacity			4.44	4.46	4.10	3.73
Current (Heating mode)		A	1.0 ~ 4.0	1.0 ~ 6.0	1.5 ~ 8.5	2.5 ~ 13.7
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	845 x 970 x 370
Weight	Indoor Unit	Kgs	11.0	12.5	18.5	18.5
	Outdoor Unit	Kgs	36	38	60	72
Cooling Coil Row	Indoor Unit	No.s	2	3	3	3
Air Flow	Indoor Unit	CMH	810	1000	1450	1900
Long Reach Airflow Upto	Indoor Unit	Meters	5.18	6.09	18.28	19.81
Self Diagnosis Function	Indoor Unit		Yes	Yes	Yes	Yes
Sound Level (H/M/L/ULo)	Indoor Unit	dB	40 / 30 / 26 / 19(U-low)	45 / 36 / 28 / 22 (U-low)	44 / 41 / 37 / 25 (U-Low)	48 / 45 / 40/ 27(U-Low)
Louver Swing	Indoor Unit		3D + 3D AUTO	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 Piping Thickness: 18 Gauge (1mm)	Liquid Line	mm	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Line	mm	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")
Main Power Supply to	Outdoor Unit		2.5 mm^2 x 3 cores (with Earthing Cable)			4 mm^2 x 3 cores (with Earthing)
Connecting wiring	B/w IDU & ODU		2.5 mm^2 x 4 cores (with Earthing Cable)			2.5 mm^2 x 4 cores (with Earthing)
Operating Temperature Range	Heating	°C	-15°C ~ 24°C			
Area Coverage***	Sq. Meters		12.07 ~ 15.79	15.32 ~ 18.58	27.87 ~ 41.80	41.80 ~ 55.74

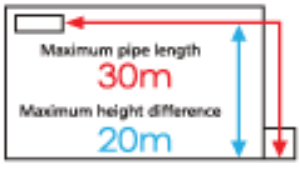
Refrigerant Pipe Length



SRK35ZS-S6



SRK50ZS-S6



SRK71ZR-S6 / SRK100ZR-S6

Remote Control

SRK35ZS-S6, SRK50ZS-S6
SRK71ZR-S6, SRK100ZR-S6

* = Model : SRK100ZR-S6 is of 3.1 ton. As per BEE notification, Star Rating is applied only for models upto 3.0 ton capacity only.
\# = This is an indicative ISEER for Model : SRK100ZR-S6, since BEE Star Rating regulations are not applicable for this model.
** 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.
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ISEER = INDIAN SEASONAL ENERGY EFFICIENCY RATIO

Hyper Inverter

ECO SMART

Cooling + Heating

Super High Efficiency

Excellent Energy Saving

SRK35ZSA-W, SRK50ZSA-W

SURROUND COOLING

65%* Saving Electricity

Fuzzy

EEV

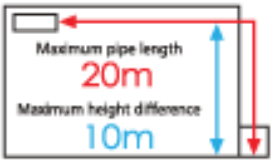
DC Pulse Amplitude Modulation PAM INVERTER

Elegant Timeless Design

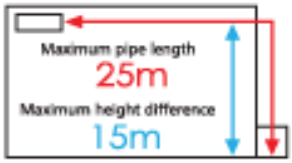
SPECIFICATIONS

			ECO SMART - HYPER INVERTER (R32) - COOLING + HEATING	
MODEL	Unit		SRK35ZSA-W	SRK50ZSA-W
	Indoor Unit		SRK35ZSA-W	SRK50ZSA-W
	Outdoor Unit		SRC35ZSA-W	SRC50ZSA-W
Maximum Tonnage**	(Cooling / Heating)		1.1 / 1.37	1.6 /1.90
BEE STAR RATING - 2019			5 Star	5 Star
Compressor Type			Super Tropical - DC PAM Inverter - Return Cooled - 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 Cooling Capacity at	120% Load	BTU/hr	13252	18937
Rated Cooling Capacity at	100% Load		12454	17435
Rated Cooling Capacity	50% Load		6312	8769
Maximum Cooling Capacity at	120% Load	Watts	3884	5550
Rated Cooling Capacity at	100% Load		3650	5110
Rated Cooling Capacity at	50% Load		1850	2570
Rated Power Consumption at	100% Load	watts	782	1340
Rated Power Consumption at	50% Load		310	474
Rated EER / COP at	100% Load	W/w	4.7	3.8
Rated EER / COP at	50% Load		6.0	5.4
Rated Indian Seasonal Energy Efficiency		ISEER	5.75	4.94
Current (Minimum ~ Maximum)**		A	0.70 ~ 3.6	1.1 ~ 6.2
Maximum Heating Capacity **		BTU/hr	16463	22690
Minimum Heating Capacity			3071	5459
Rated Heating Capacity			13989	20131
Maximum Heating Capacity **		Watts	4825	6650
Minimum Heating Capacity			900	1600
Rated Heating Capacity			4100	5900
Maximum Power Consumption		watts	950	1450
Minimum Power Consumption			200	250
Rated Power Consumption			900	1300
EER at Maximum HeatingCapacity		W/w	5.08	4.59
EER at Minimum Heating Capacity			4.50	6.40
EER at Rated Heating Capacity			4.56	4.54
Current (Heating mode)		A	1.0 ~ 3.0	1.0 ~ 6.0
Dimension (H x W x D)	Indoor Unit	mm	290 x 870 x 230	290 x 870 x 230
	Outdoor Unit	mm	540 x 780(+62) x 290	595 x 780(+62) x 290
Weight	Indoor Unit	Kgs	11.0	12.5
	Outdoor Unit	Kgs	36	38
Cooling Coil Row	Indoor Unit	No.s	2	3
Air Flow	Indoor Unit	CMH	850	1050
Long Reach Airflow Upto	Indoor Unit	Meters	5.18	6.09
Self Diagnosis Function	Indoor Unit		Yes	Yes
Sound Level (H/M/L/ULo)	Indoor Unit	dB	40 / 30 / 26 / 19(U-low)	45 / 36 / 28 / 22 (U - low)
Louver Swing	Indoor Unit		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 Piping Thickness: 18 Gauge (1mm)	Liquid Line	mm	6.35 (1/4")	
	Gas Line	mm	9.52 (3/8")	12.7 (1/2")
Main Power Supply to	Outdoor Unit		2.5 mm^2 x 3 cores (with Earthing Cable)	
Connecting wiring	B/w IOU & ODU		2.5 mm^2 x 4 cores (with Earthing Cable)	
Operating Temperature Range	Heating	°C	-15°C ~ 24°C	
Area Coverage***		Sq.Meters	13.07 ~ 15.79	15.32 ~ 18.58

Refrigerant Pipe Length



SRK35ZSA-W



SRK50ZSA-W

R32

Remote Control

SRK35ZSA-W, SRK50ZSA-W

** 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"

MITSUBISHI HEAVY INDUSTRIES
AIR CONDITIONERS
HEAVY DUTY

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.

Mitsubishi Heavy Industries- Mahajak Air Conditioners Co.Ltd. Lat krabang Industries Estate, Phase 3, 200 Moo 4, Chalongkrung Road, Lamplatiew, Lat krabang, Bangkok Thailand 10520

Sales, Service & Marketing Headquarter (India)

IAPL GROUP

IAPL House, 2/8, West Patel Nagar
Near Patel Nagar Metro Station- New Delhi- 110008 (INDIA)
Tel.: 011-47230000-99, Toll Free No.: 1800 102 0055
Email: info@iaplgroup.com, Website: www.iaplgroup.com

Sales, Service Office in India

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(Wholly-owned subsidiary of MITSUBISHI HEAVY INDUSTRIES, LTD.)

JAPAN

Our factories are ISO9001 and ISO14001 certified.