



Risense International Co., Ltd.

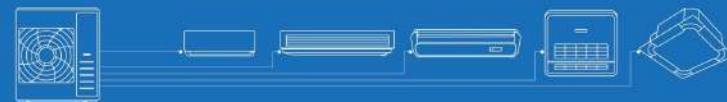
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**KELON HVAC**

# HI-MULTI SOLUTION EU

## CATALOG 2025



# HI-MULTI

Kelon Multi is committed to providing customers with more reliable and more efficient products, and adheres to high-quality standards for products to different countries and regions around the world



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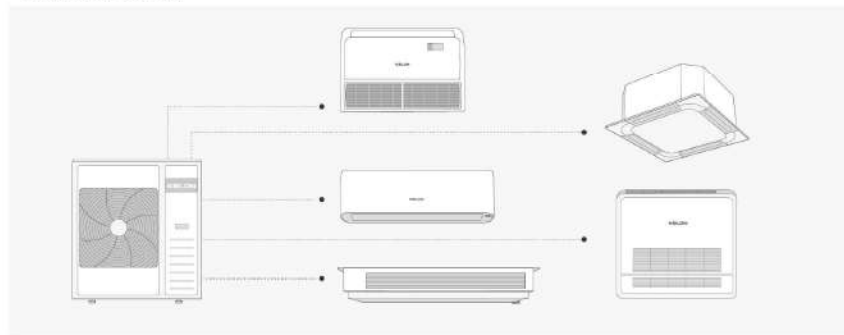
MULTISPLIT · FREEMATCH

# HI-MULTI SP SOLUTION

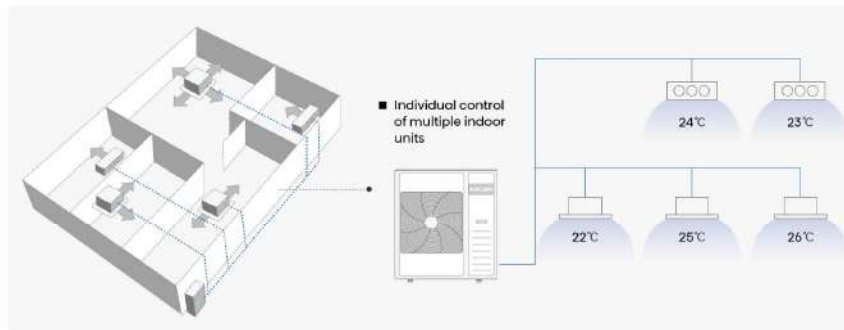
## Simply Extend Your Comfort

**Hi-Multi SP brings free match comfort to your home or office.**

- Up to 5 indoor units connectable to only one outdoor unit.
- Up to 5 kinds of indoor units connectable to Hi-Multi SP outdoor unit, wall-mounted, cassette, duct, ceiling suspended, console.



- Every indoor unit can be controlled separately.
- Use small capacity indoor units specially for small rooms which can only be connected to the multi split system.



## Flexibility Makes Installation Simple

For installation, it always needs to be as simple and fast as possible and minimize the interference to comfortable life. Hi-Multi SP brings the installation simple and easy.

### Space Saving

Saving the space occupied by multiple outdoor units.

### Time Saving

Multi split can save the time of connecting the cable, adding refrigerant, installing the bracket, and debugging after installation.

### Installation Easier

Only one set of bracket and cable from power supply.

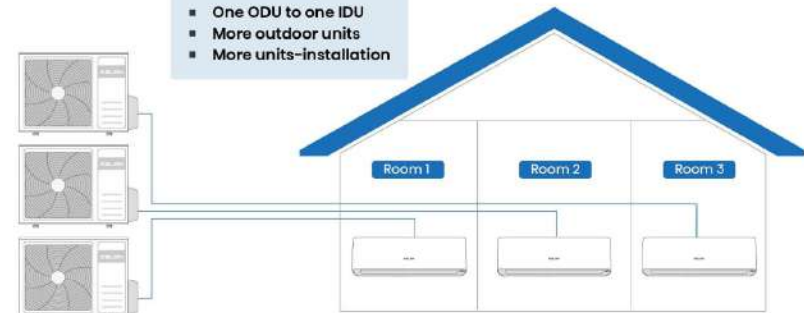
### Piping Longer

With the help of strong compressor, the Hi-Multi SP can provide a long distance up to 25m length from outdoor to one indoor unit and 15m height difference.

## Multi Split VS Mono Split

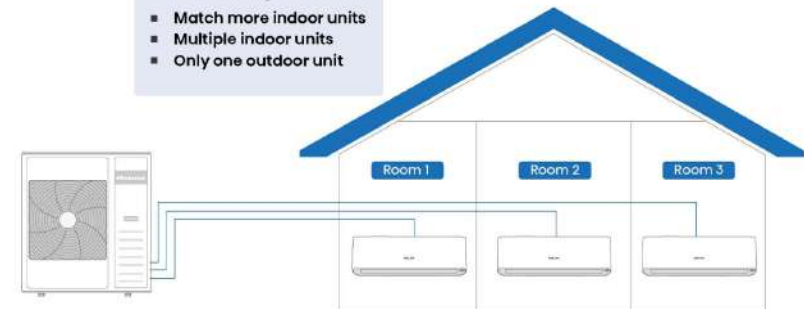
### Mono Split

- One ODU to one IDU
- More outdoor units
- More units-installation



### Multi Split

- Match more indoor units
- Multiple indoor units
- Only one outdoor unit



## I Maximize Environmental Benefits

Minimum number of outdoor units, which can enable us to benefit from the environment. Hi-Multi SP brings greener solutions.



### Less Power Consumption

Hi-Multi SP will keep the compressor running in the speed with high efficiency and brings higher SEER and SCOP.



### Less Noise

Only one unit in operation is much quieter than two or more units. And we can install the only one unit in the place far away from the working space.



### Less Refrigerant Charge

Hi-Multi SP needs less refrigerant charge than the sum of mono split solution. And Less refrigerant brings less global warming.

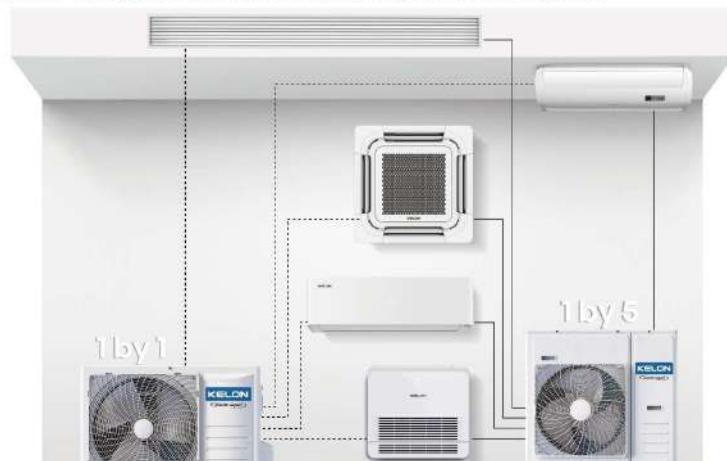


### Less Storage And Shipment

Hi-Multi SP need stock and ship only one unit, which can save the energy and cost of transportation and storage.

## I Universal Indoor Model Brings Flexible Combinations

The indoor unit is universal indoor unit, which means it can not only connect with multi split system but also can connect with mono split system. And this can benefit the whole sales and installers.



## 4 REASONS TO CHOOSE HI-MULTI SP



### High Efficiency

- SEER up to 8.10
- SCOP up to 4.40
- EER up to 5.00
- COP up to 4.82
- The design of Coil and System comes from the balance of cooling and heating.
- Adhere to the full DC design to spread to areas of 50Hz and 60Hz.



### Reliable Design

- Cooling: -15~50 °C
- Heating: -20~24 °C
- Hi-Checker solution.
- PCB Insect-proof design.
- Ensure the system stability by compressor E-heater.
- Ensure the outdoor unit bottom non-blocked by the Bottom E-heater for extra-low heating.
- 7-Segment display for easy checking.



### Easy Installation

- Compact design to get the most compact 1 drive 2 outdoor unit.
- Lightweight design.
- Adopt the unified stop-valve design, so the installer can select the flexible connection.
- Piping adapters can help to connect to different piping of indoor units with different capacity.
- Big Valve design.
- Wooden bottom support design for easy moving.



### Flexible ATA Heat Pump

- Energy Pro X with smart eye and Hi-NANO.
- Uni HA/HB with Easy Installation.
- Hi Comfort with economical budget.
- Slim Duct with only 190mm height.
- Compact Cassette with the most compact design.
- Console for effective heating.



# HI-SERVICE SOLUTION

## Intelligent Service Management Platform

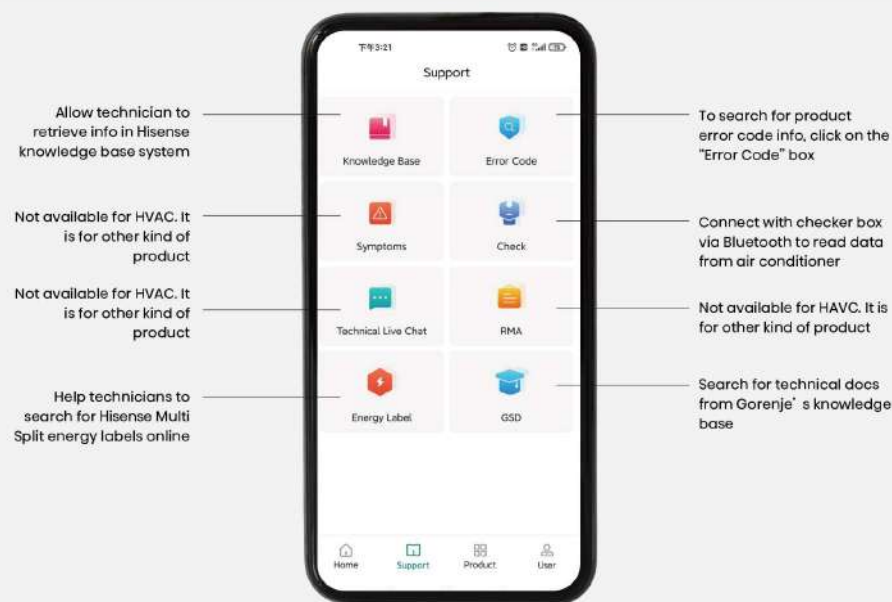
Hi-Service is a mobile management platform provided by Hisense for service provider and technician, mainly realizing functions such as work order management, technical support, spare parts management, and technician management. It can assist technician in conveniently, quickly, and professionally search error codes, troubleshooting solutions, and repair plans. It can also allow technician communicate with Hisense's technical team in real-time online, improving service efficiency and symptom resolution rates.

### Easy to Access

- Step 1:** Scan the QR code to download the installation file.  
**Step 2:** Install HI-service APP on the phone.  
**Step 3:** Open and use it.



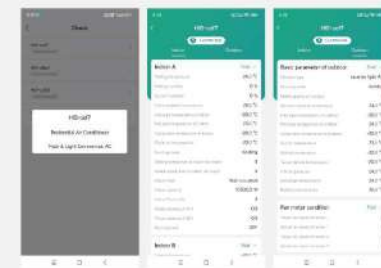
Follow the following steps to login



Note:



• **Error code:**  
App will display detailed information of the error code selected. Technician can view fault description, reason, trigger condition and its solution of the error code selected.



• **Check:**  
Data returned from Hi-Checker 3.0 will be shown here. It will be refreshed automatically every few seconds.



# MULTISPLIT FREEMATCH



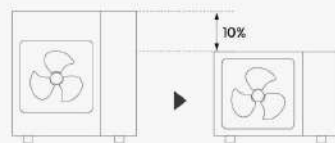
## Compact Design

Lighter and more compact units for easier and more flexible installation, as well as easier transportation with a higher potential volume of ACs per transportation unit.

Note: Kelon has the most compact 1 by 2 multi-split outdoor unit made in class.



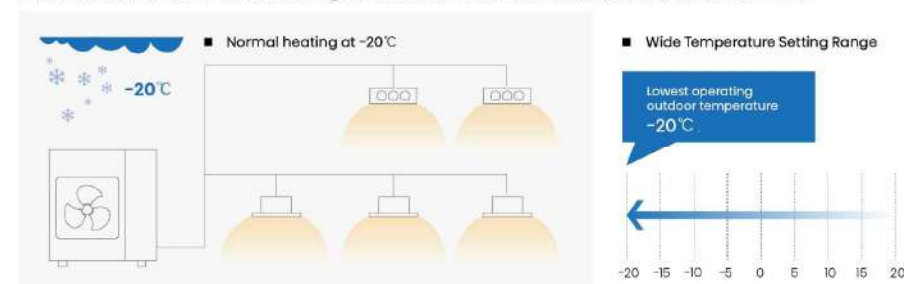
- Unit Size: Reduced By 10%
- Units Height: Reduced To 0.54m



Allows up to 392 units to be transported at once.

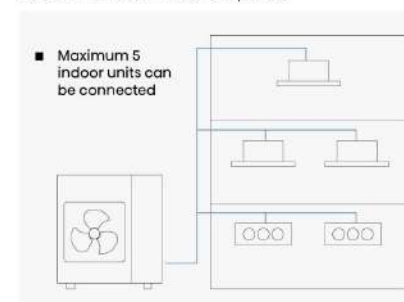
## Low Temperature Heating

The air conditioner can meet the heating demand even when outdoor temperature is down to  $-20^{\circ}\text{C}$ .



## Multi Split Up To 5

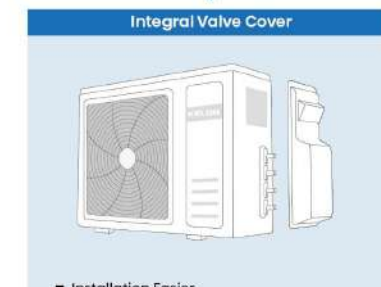
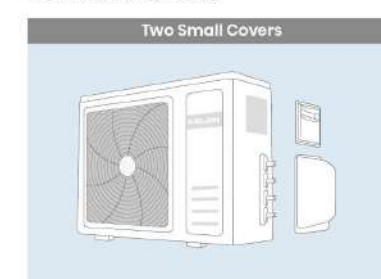
The maximum number of indoor units that the outdoor unit can match is up to 5.



- Maximum 5 indoor units can be connected

## Integral Valve Cover

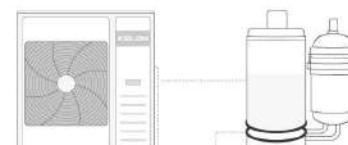
The big valve cover makes installation and after-sale service easier.



- Installation Easier

## Compressor E-Heater

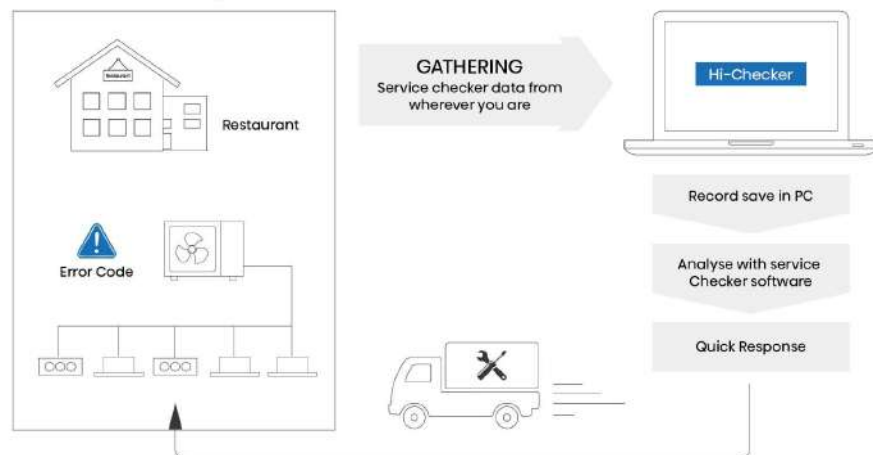
Air conditioner with compressor E-heater can still run stably in frigid regions.



## Checker Easy

It can be fast and easy to connect to Hi-Checker. And Hi-Checker can monitor the air conditioner parameters, such as discharging temperature.

### Professional Error Checking



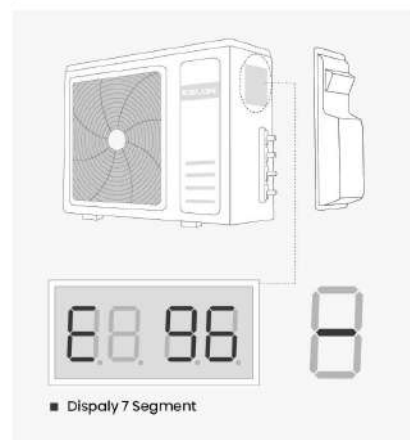
## Auto Mode For IDU

Air conditioner is operating in smart mode by pressing one button, operate mode is adjusted by ambient temperature automatically.



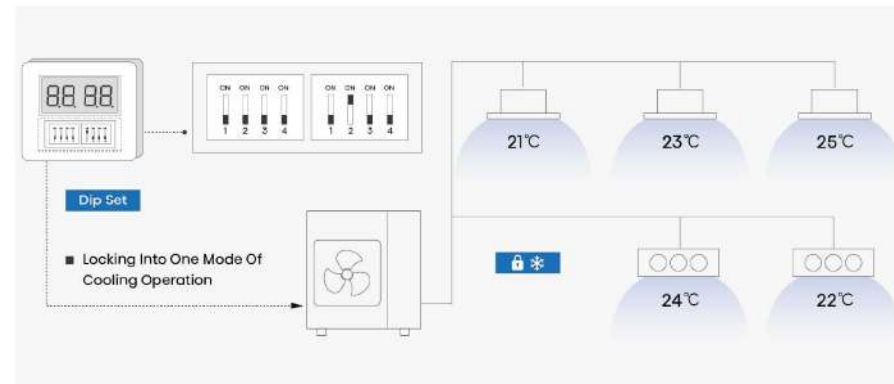
## Display 7 Segment

Displays the fault code of specific problems leading to correct diagnostics and correct operating procedures.



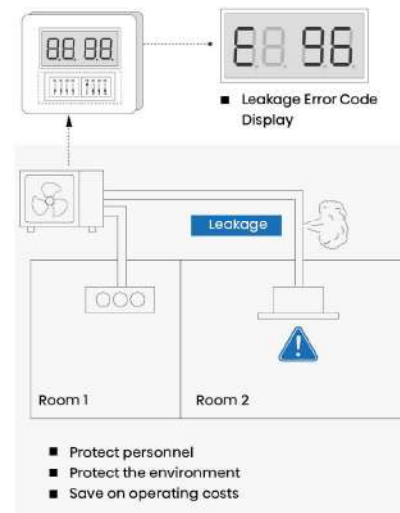
## Cooling Lock

By using the DIP switch, the external machine can lock into one mode of cooling operation, meaning that all the connected internal machines will output the same cooling mode.



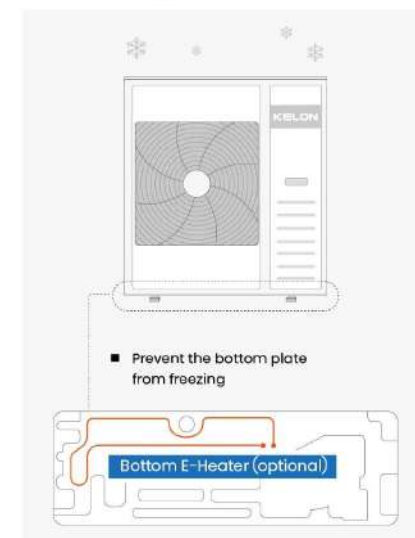
## Leakage Detective

The AC can detect and alert the refrigerant leakage if it occurs by monitoring the parameter abnormality.



## Bottom E-Heater

AC with bottom E-Heater can prevent the bottom plate from freezing in winter.

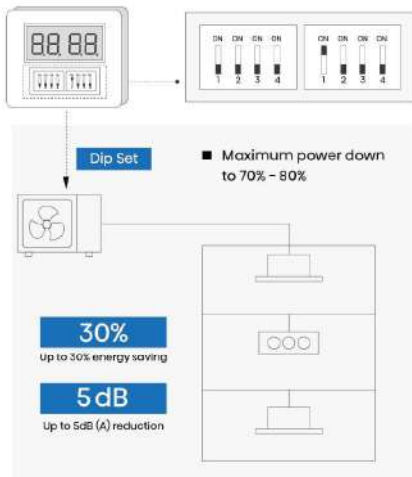




## Smart Energy Management

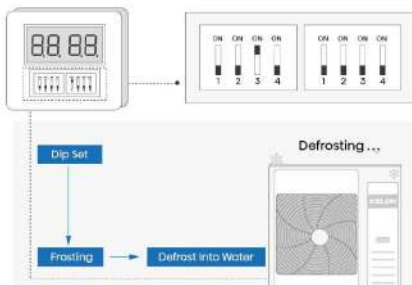
By using the DIP switch, the maximum power and current of the whole machine can be limited at any time, reducing pressure on the electrical grid and avoiding tripping.

\* This data is only for the laboratory test results, the actual use of the actual machine shall prevail



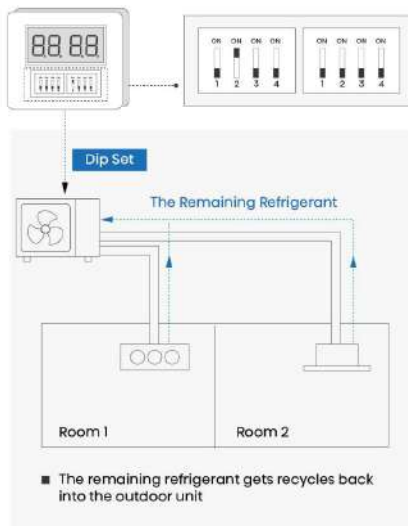
## Manual Forced Defrost

In case of automatic defrosting does not work, the user can defrost the outdoor unit forcibly simply by dialing a code on the DIP switch.



## Pump Down

Once an indoor unit is taken out of operation for repairs or maintenance, the remaining refrigerant gets recycled back into the outdoor unit. Upon reinstallation of the internal unit, the refrigerant is recovered and used again.



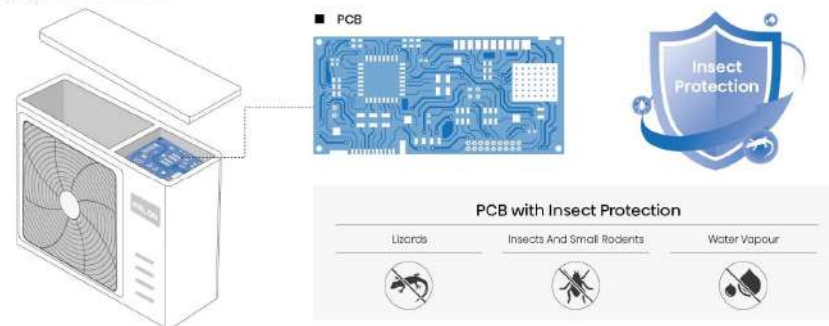
## Self-Cleaning For IDU

Internal machines can self-clean due to the evaporation of water from the external machine, ensuring continuous operation and avoiding unnecessary field trips.



## PCB with Insect Protection

Ensures the safety of electronic control components by blocking insects and small rodents & lizards from damaging the PCB board.



## Hi-Multi SP Style



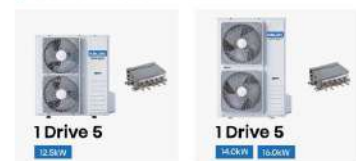


# LINE UP

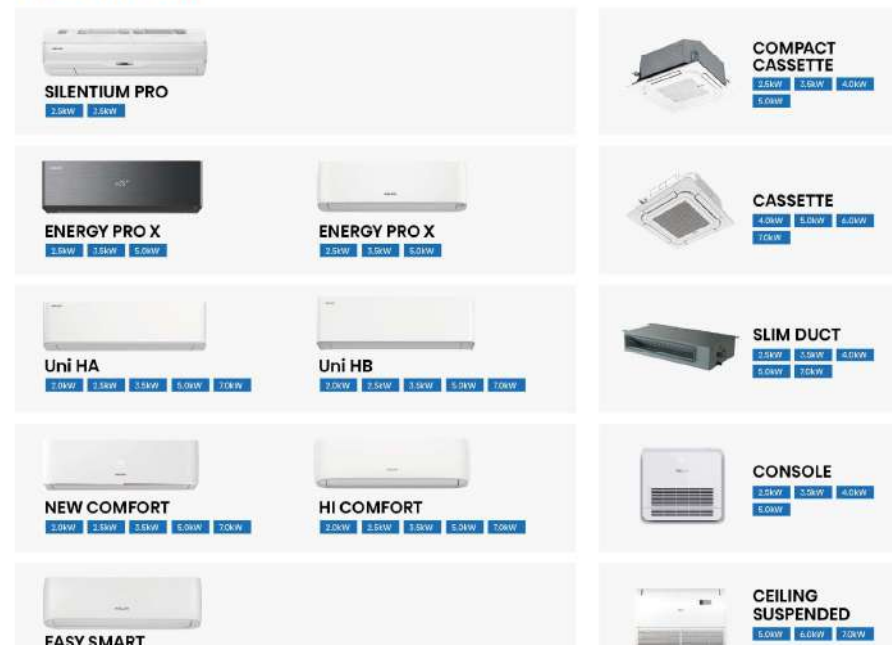
## Hi-Multi SP R32



## Hi-Multi+ R410A



## Indoor Unit



## Outdoor Unit

kW	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.5	12.5	14.0	16.0
2 IDU	KMW2-12U	KMW2-14U	AMW2-18U								
3 IDU		AMW3-14U	AMW3-18U	KMW3-21U	KMW3-24U						
4 IDU					KMW4-24U	KMW4-27U					
5 IDU							KMW5-30U	KMW5-36U	KMW-42U +F16(I)	KMW-48U +F16(I)	KMW-50U +F16(I)

## Indoor Unit

kW		1.5	2.0	2.5	3.5	4.0	5.0	6.0	7.0
9 series	Silentium Pro			QD25XU020	QD35XU020				
7 series	Energy Pro X (Black)			QH25XV4AG	QH35XV4AG		QH50BV0AG		
	Energy Pro X (White)			QH25XV4BG	QH35XV4BG		QH50BV0BG		
5 series	Uni HA		HA20XU00G	HA25XU00G	HA35XU00G		HA50BP00G		HA70KW00G
	Uni HB		HB20XU00G	HB25XU00G	HB35XU00G		HB50BP00G		HB70KW00G
3 series	New Comfort	DJ55YD00G	DJ20YD00G	DJ25VEGAG	DJ35VEGAG		DJ50KA0AG		DJ70BB0BG
	Hi-Comfort		CF20YB04G	CF25YB04G	CF35MR04G		CF50S04AG		CF70BT04G
1 series	Easy Smart			CA20LR0IG	CA35LR03G		CAS0XS0GG		CA70BT2BG

Btu/h		18	24	36	48	60
LCAC	Compact Cassette		KCM18U8	KCM24U8		
	Cassette				KC36U8	KC48U8
	Slim Duct	KDM12U8	KDM18U8	KDM24U8		
	MSP Duct				KD36U8	KD48U8
	Console					
	Ceiling Suspended				KV36U8	KV48U8