



LONG LASTING COMFORT

THAT FEELS JUST RIGHT



VSGN/VPRL Ducted Series (60Hz)



Learn more at: www.ruud-mea.com

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Ruud Middle East and Africa

RELY ON RUUD.™

FEATURE & BENEFIT

High Efficiency Units

The system has an **Energy efficiency ratio of 12+**, which means it is very efficient, **provides power savings and lowers energy bills.**



Operating up to 52 °C ambient

Designed specifically for KSA market, the system provides **uninterrupted cooling even during extreme weather conditions.**



Made in Thailand

The system is **made in Thailand** for superior all-round performance.



Low Height units for installation flexibility

The installation-friendly low height design **ensures installation even in tight spaces.**

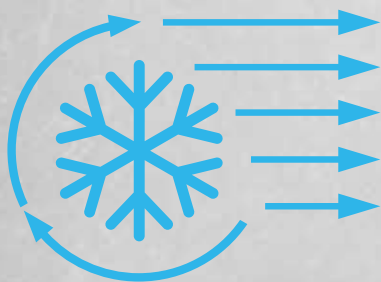


Multiple Airflow options

Multiple fan speeds (high, medium, low or auto) offer **convenient airflow distribution** options.

In Auto mode, the speed will be adjusted automatically according to the difference between the room temperature and set temperature.

- If the difference is 3°C or more, the speed is high.
- If the difference is 2°C, the speed is medium.
- If the difference is 1°C or less, the speed is low.



Cool, Fan & Dry Mode

• In Cool mode, system will operate as an air-conditioner. The compressor will

- operate if $T_{\text{room}} \geq T_{\text{set}} + 1$
- stop if $T_{\text{room}} \leq T_{\text{set}}$

However, the compressor is subjected to a 3-minute delay protection, each time it stops.

- In Fan mode, the system operates as a fan only.
- In Dry mode compressor and fan works based on different zones



FEATURE & BENEFIT

LED temperature display

Temperature can be set by pressing \wedge or \vee button. The 7 segments LED on the wired display unit shows the set temperature by blinking for 5 seconds. After that it goes back to display the room temperature.



Turbo Mode

Press TURBO button in cool mode to start **fast cooling** during hot summer days. The compressor will always operate and the fan speed remains high.



ECONO

Save energy with ECONO mode. In ECONO mode, the system operates at auto fan speed and the temperature is set at 25°C



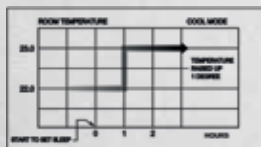
Timer

Automatically turns the air conditioner ON or OFF within a 15-hour period.



Sleep mode

Avoids over-cooling while you are asleep. While set on sleep mode, the air conditioner will automatically increase set temperature by 1°C (ST+1°C) an hour later.



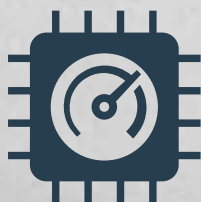
Child lock

Buttons will be deactivated in this function. It **avoids faulty operation** by children & keeps them away from health problems like catching a cold by faulty operation.



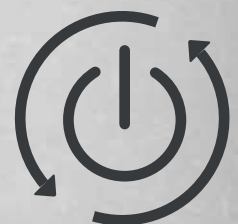
Watchdog microprocessor

The watchdog circuit looks over the operation of the microprocessor. If it malfunctions, this circuit will **reset the microprocessor automatically** and hence **avoiding breakdowns.**



Auto Restart

In the case of power shutdown, this feature allows for the **automatic restart with the previous settings** (except the sleep and timer function which will be canceled), when the power resumes.



FEATURE & BENEFIT

Painted Indoor Unit for longer life

Enjoy **complete peace of mind**. The indoor unit is coated with thick powder coat paint, which **enhances system life**.



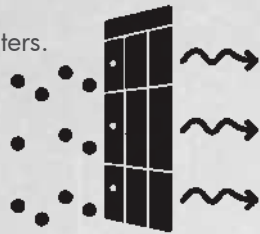
Easy maintenance

Easy maintenance features ensures quick fixing of issues and **reducing the overall maintenance cost**.



Aluminum mesh filter

Aluminum mesh filter lasts longer compared to the conventional plastic mesh filters.



Scroll Compressor* *Models above 2TR

Scroll compressors are more durable and efficient compared to conventional compressors.



Main Power Supply in Outdoor unit for safety

As the main power supply is to the outdoor unit, **your family's safety is not compromised, even if any rare electrical damage occurs**.



1000 Hrs. salt spray tested sheet metal

We provide solutions that last. The unit's cabinet is made with galvanized steel sheet and **tested for corrosion resistance** of 1000 hours salt spray test as per ASTM-B117 standard



Brass distributor for uniform cooling

Distributes the refrigerant evenly in all the circuits of cooling coil, to achieve uniform cooling



100% leak tested and pressure from factory

The system is 100% leak tested, ensuring **lesser maintenance and service issues**.



FEATURE & BENEFIT

High pressure and Low pressure safety switches

These standard switches ensure that the **system is protected and avoid frequent breakdowns.**



Meeting IEC safety requirements

The system complies with IEC international safety requirements, **ensuring safety of your loved ones at all times.**



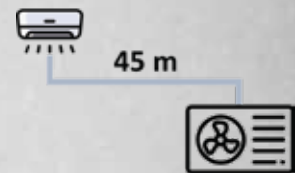
Internal overload protection for compressor

This ensures **fewer system breakdowns & lower maintenance costs.** If the compressor motor gets overheated, the overload protector will shut it down for a period of time to allow the compressor motor to cool down.



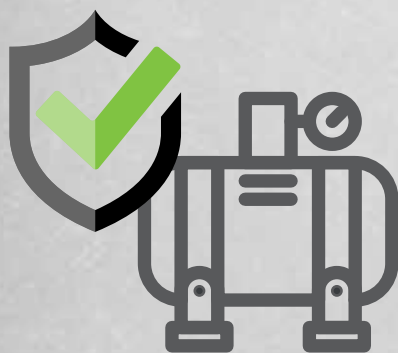
Long Piping capability

The system has total piping capability up to 45m. The outdoor unit can be installed far away from your living space **ensuring complete peace of mind.**



Compressor delay protection

For **enhanced compressor safety**, there will always be a 3-minute time delay before the compressor can start. In case of power interruption, the system will delay the operation of the compressor in the range of 3-4 minutes in random order. This is to avoid the compressors in the entire building start together.



R-410A refrigerant

Ruud® always focuses on **environmentally friendly, energy saving and high performance air conditioners** and hence today most of our products are developed with R410A refrigerant. R410A refrigerant is highly efficient and has an Ozone Depletion Potential (ODP) of 0.



TECHNICAL SPECIFICATION

Energy Consumptions

@ T1/T3 - SASO Ratings 2663

T1

ODU Model	IDU Model	Rated Capacity (Btu/Hr)	Rated EER	Rated Power (KW)	Rated Current (A)
VSGN-018JA011	VPRL-018JA	18500	12.35	1500	6.5
VSGN-024JA011	VPRL-024JA	21600	12	1800	8.5
VSGN-030JA011	VPRL-030JA	29200	12.7	2300	10
VSGN-036JA011	VPRL-036JA	33000	12	2750	16
VSGN-042VA011	VPRL-042JA	39800	12	3310	7.65
VSGN-048VA011	VPRL-048JA	46800	12.05	3890	8.6
VSGN-060VA011	VPRL-060JA	54600	12.4	4400	8.8

T3

ODU Model	IDU Model	Rated Capacity (Btu/Hr)	Rated EER	Rated Power (KW)	Rated Current (A)
VSGN-018JA011	VPRL-018JA	17500	9.7	1800	7.75
VSGN-024JA011	VPRL-024JA	19200	8.95	2150	9.6
VSGN-030JA011	VPRL-030JA	27800	10.3	2700	11.65
VSGN-036JA011	VPRL-036JA	30600	9.55	3200	18.5
VSGN-042VA011	VPRL-042JA	36600	9.1	4030	8.5
VSGN-048VA011	VPRL-048JA	43200	9.2	4700	9.7
VSGN-060VA011	VPRL-060JA	50200	9.55	5250	10

More than 100 years ago, Edwin Ruud, a Norwegian mechanical engineer, came to America and developed the first successful automatic water heater. That early success marked the beginning of a tradition of innovation and value that led to the introduction of RUUD® air conditioning and water heating equipment in the 1950s. Since then, the RUUD® has grown into one of North America's largest manufacturers of quality air conditioning and water heating products for residential and light commercial use. Today, RUUD® operates manufacturing facilities employing highly trained workers and state-of-the-art equipment. Over the years, the product lines have expanded, changed, and improved significantly as new design techniques and better manufacturing technologies have become available. What remains unchanged throughout our history, however, is our commitment to producing the most reliable, long-lasting, efficient equipment you can buy.



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