



# YUKON

## *Split System Air Conditioner*

*Tall Floor Type 36,000-120,000 Btu/h MCV Series 50/60 Hz*



# YUKON-Human Comfort Solution



## Comfort and Reliability

- Full Range of Capacity
- Energy Savings
- Washable Filter
- Low Maintenance
- Easy to Service
- Lower Noise

## Quality

All major components are individually inspected and tested, and every unit undergoes a run- test prior to shipment from the factory.

## High Efficiency

- Compact in size for easy installation into small spaces
- Galvanized steel with a powder paint finish for corrosion resistance
- Synchronous motor for supply grille as standard for better airflow

## Serviceability

The unit can be easily serviced and minimum area required just only at the front after panel.

Trane is proud to present its complete line of Tall Floor split system air conditioners with modern design. This system has been not only carefully designed and manufactured according to Trane Worldwide Quality Standards but also luxuriously designed to provide you with years of comfortable, convenient cooling with minimal service required and also easy to service.

The benefits of a system have been extended to a broader range of full cooling capacity, making Yukon the perfect to your new or replacement application.



# Digital Control



## Digital Control

With microprocessor and digital technology, Yukon provides accurate room temperature control with a numerical temperature display.

## Power

The power button is used to turn the air conditioner on and off operating according to the last program stored in the non-volatile memory.

The display unit will show:

- Room temperature in degrees celcius
- Fan speed

## Temperature

The TEMP + and - buttons are used to adjust the set temperature from 15°C to 30 °C. When the button is pressed, the control unit will display the set temperature (blinking) instead of the room temperature. After the process is finished, it will revert back to the room temperature.

## Fan

Fan speed (Auto, High, Medium, or Low) can be selected by pressing the FAN button.

## Auto Fan

Fan speed can be put in the AUTO mode so that the fan speed will change automatically depending on the difference between the room and set temperatures.

If the difference is large, it will operate at high speed



for faster cooling. As the smaller, the fan speed will be changed automatically to Medium and then Low as indicated by the position of the fan speed LED indicator.

## Time Delay

A 3-minute time delay protects against power interruptions and rapid compressor cycling which could damage the air conditioning unit.

## Freeze protection

The freeze protection function will protect coil from freezing by turning off the compressor.

## Swing

The auto vertical vane swing can be selected by pressing the SWING button.



Condensing Unit  
TTK536-060 for 50Hz  
TTK536-042 for 60Hz



Condensing Unit  
TTK 048-060 for 60Hz



Condensing Unit  
TTA 075-120

## Product Specifications: 50 Hz

| Model                  | Indoor Unit                |         | MCV036BB                  | MCV036BB   | MCV048BB  | MCV048BB  | MCV060BB         | MCV090BB      | MCV090BB      | MCV120BB      |
|------------------------|----------------------------|---------|---------------------------|------------|-----------|-----------|------------------|---------------|---------------|---------------|
|                        | Outdoor Unit               |         | TTK536KB                  | TTK536KD   | TTK042KD  | TTK048KD  | TTK060KD         | TTA075RD      | TTA100RD      | TTA120RD      |
| Electrical Data        | Power Supply               | V/ph/Hz | 220-240/1/50              |            |           |           | 380-415/3/50     |               |               |               |
| Performance Data       | Nominal Capacity           | Btu/h   | 36,000                    | 36,000     | 42,000    | 48,000    | 60,000           | 75,000        | 100,000       | 120,000       |
|                        | Nominal Airflow            | cfm     | 1,200                     | 1,200      | 1,400     | 1,600     | 2,000            | 2,400         | 2,400         | 3,200         |
| Indoor Unit            |                            |         |                           |            |           |           |                  |               |               |               |
| Expansion Device       |                            |         | Capillary Tube            |            |           |           | Expansion Device |               |               |               |
| Fan Motor              | Type                       |         | Permanent Split Capacitor |            |           |           |                  |               |               |               |
|                        | RLA/LRA                    | A       | 1.78/1.97                 | 1.78/1.97  | 2.34/2.74 | 2.34/2.74 | 3.42/3.90        | (1.78/1.97)x2 | (1.78/1.97)x2 | (2.34/2.74)x2 |
| Control Type           | Digital Thermostat         |         | .                         | .          | .         | .         | .                | .             | .             | .             |
|                        | 3-Minute Time Delay        |         | .                         | .          | .         | .         | .                | .             | .             | .             |
| Features               | Fan Speed                  |         | 3 + Auto                  | 3 + Auto   | 3 + Auto  | 3 + Auto  | 3 + Auto         | 3 + Auto      | 3 + Auto      | 3 + Auto      |
|                        | Auto Swing (Vertical Vane) |         | .                         | .          | .         | .         | .                | .             | .             | .             |
|                        | Temperature Setting        | °C      | 15 - 30                   | 15 - 30    | 15 - 30   | 15 - 30   | 15 - 30          | 15 - 30       | 15 - 30       | 15 - 30       |
|                        | Programmable Timer         | Hrs     | 15                        | 15         | 15        | 15        | 15               | 15            | 15            | 15            |
| Installed Position     | Floor                      |         | .                         | .          | .         | .         | .                | .             | .             | .             |
| Dimension              | Height                     | mm      | 1,900                     | 1,900      | 1,900     | 1,900     | 1,900            | 1,900         | 1,900         | 1,900         |
|                        | Width                      | mm      | 600                       | 600        | 600       | 600       | 848              | 1,196         | 1,196         | 1,196         |
|                        | Depth                      | mm      | 370                       | 370        | 370       | 370       | 400              | 400           | 400           | 400           |
| Weight                 |                            | kg      | 65                        | 65         | 68        | 68        | 90               | 137           | 137           | 144           |
| Outdoor Unit           |                            |         |                           |            |           |           |                  |               |               |               |
| Compressor             | Type                       |         | Rotary                    |            |           | Scroll    |                  |               |               |               |
|                        | RLA/LRA                    |         | 15.8 / 79.0               | 5.8 / 43.0 | 7.9/59.0  | 9.0/59.0  | 10.0/74.0        | 13.6/98.0     | 20.7/130.0    | 22.9/145.0    |
| Fan Motor              | Type                       |         | Permanent Split Capacitor |            |           |           |                  |               |               |               |
|                        | RLA/LRA                    |         | 1.03/1.79                 | 1.03/1.79  | 1.03/1.79 | 1.45/2.68 | 1.45/2.68        | 1.06/2.27     | 1.41/3.53     | 1.32/2.80     |
| Dimension              | Height                     | mm      | 795                       | 795        | 795       | 795       | 795              | 1,050         | 1,050         | 1,050         |
|                        | Width                      | mm      | 1,018                     | 1,018      | 1,018     | 1,018     | 1,018            | 950           | 950           | 950           |
|                        | Depth                      | mm      | 360                       | 360        | 360       | 360       | 360              | 1,060         | 1,060         | 1,060         |
| Weight                 |                            | kg      | 79                        | 79         | 87        | 87        | 92               | 164           | 180           | 192           |
| Piping Connection Type |                            |         | Flare Type                |            |           |           | Sweat Type       |               |               |               |
| Refrigerant Pipe Size  | Liquid                     | in      | 3/8                       | 3/8        | 3/8       | 3/8       | 3/8              | 1/2           | 1/2           | 1/2           |
|                        | Suction                    | in      | 3/4                       | 3/4        | 7/8       | 1 1/8     | 1 1/8            | 1 1/8         | 1 3/8         | 1 3/8         |

- At ARI system rating conditions of 80°F - DB / 67°F - WB Indoor & 95°F - DB Outdoor.
- Rated for 25 feet (7.5 meters) of evacuated refrigerant piping.
- Outdoor unit's dimensions exclude the size of the mounting feet. For more detail, please see the drawing in the installation manual.

## Product Specifications: 60 Hz

| Model                  | Indoor Unit                |         | MCV036B1                  | MCV048B1   | MCV048B1       | MCV060B1       | MCV060B1         | MCV090B1       | MCV090B1       | MCV120B1       |
|------------------------|----------------------------|---------|---------------------------|------------|----------------|----------------|------------------|----------------|----------------|----------------|
|                        | Outdoor Unit               |         | TTK536K1                  | TTK042K1   | TTK048K1       | TTK060K1       | TTK060K3         | TTA075R3       | TTA100R3       | TTA120R3       |
| Electrical Data        | Power Supply               | V/ph/Hz |                           | 230/1/60   |                |                |                  | 230/3/60       |                |                |
| Performance Data       | Nominal Capacity           | Btu/h   | 36,000                    | 42,000     | 48,000         | 60,000         | 60,000           | 75,000         | 100,000        | 120,000        |
|                        | Nominal Airflow            | cfm     | 1,200                     | 1,400      | 1,600          | 2,000          | 2,000            | 2,400          | 2,400          | 3,200          |
| Indoor Unit            |                            |         |                           |            |                |                |                  |                |                |                |
| Expansion Device       |                            |         | Capillary Tube            |            |                |                | Expansion Device |                |                |                |
| Fan Motor              | Type                       |         | Permanent Split Capacitor |            |                |                |                  |                |                |                |
|                        | RLA/LRA                    | A       | 1.60/1.84                 | 2.20/2.53  | 2.20/2.53      | 2.40/2.76      | 2.40/2.76        | (1.60/1.84) x2 | (1.60/1.84) x2 | (2.20/2.53) x2 |
| Control Type           | Digital Thermostat         |         | .                         | .          | .              | .              | .                | .              | .              | .              |
|                        | 3-Minute Time Delay        |         | .                         | .          | .              | .              | .                | .              | .              | .              |
| Features               | Fan Speed                  |         | 3 + Auto                  | 3 + Auto   | 3 + Auto       | 3 + Auto       | 3 + Auto         | 3 + Auto       | 3 + Auto       | 3 + Auto       |
|                        | Auto Swing (Vertical Vane) |         | .                         | .          | .              | .              | .                | .              | .              | .              |
|                        | Temperature Setting        | °C      | 15 - 30                   | 15 - 30    | 15 - 30        | 15 - 30        | 15 - 30          | 15 - 30        | 15 - 30        | 15 - 30        |
|                        | Programmable Timer         | Hrs     | 15                        | 15         | 15             | 15             | 15               | 15             | 15             | 15             |
| Installed Position     | Floor                      |         | .                         | .          | .              | .              | .                | .              | .              | .              |
| Dimension              | Height                     | mm      | 1,900                     | 1,900      | 1,900          | 1,900          | 1,900            | 1,900          | 1,900          | 1,900          |
|                        | Width                      | mm      | 600                       | 600        | 600            | 848            | 848              | 1,196          | 1,196          | 1,196          |
|                        | Depth                      | mm      | 370                       | 370        | 370            | 400            | 400              | 400            | 400            | 400            |
| Weight                 |                            | kg      | 65                        | 68         | 68             | 90             | 90               | 137            | 137            | 144            |
| Outdoor Unit           |                            |         |                           |            |                |                |                  |                |                |                |
| Compressor             | Type                       |         | Scroll                    |            |                |                |                  |                |                |                |
|                        | RLA/LRA                    |         | 18.4/95.0                 | 24.3/131.0 | 24.3/131.0     | 30.1/175.0     | 20.7/128.0       | 25.0/164.0     | 33.6/231.0     | 42.0/239.0     |
| Fan Motor              | Type                       |         | Permanent Split Capacitor |            |                |                |                  |                |                |                |
|                        | RLA/LRA                    |         | 1.25/1.53                 | 1.25/1.53  | (0.66/0.80) x2 | (0.66/0.80) x2 | (0.66/0.80) x2   | 2.00/3.03      | 2.00/3.03      | 2.59/5.50      |
| Dimension              | Height                     | mm      | 795                       | 795        | 1,254          | 1,254          | 1,254            | 1,050          | 1,050          | 1,050          |
|                        | Width                      | mm      | 1,018                     | 1,018      | 988            | 988            | 988              | 950            | 950            | 950            |
|                        | Depth                      | mm      | 360                       | 360        | 350            | 350            | 350              | 1,060          | 1,060          | 1,060          |
| Weight                 |                            | kg      | 82                        | 84         | 84             | 88             | 88               | 164            | 180            | 192            |
| Piping Connection Type |                            |         | Flare Type                |            |                |                | Sweat Type       |                |                |                |
| Refrigerant Pipe Size  | Liquid                     | in      | 3/8                       | 3/8        | 3/8            | 3/8            | 3/8              | 1/2            | 1/2            | 1/2            |
|                        | Suction                    | in      | 3/4                       | 7/8        | 1 1/8          | 1 1/8          | 1 1/8            | 1 1/8          | 1 3/8          | 1 3/8          |

- At ARI system rating conditions of 80°F - DB / 67°F - WB Indoor & 95°F - DB Outdoor.
- Rated for 25 feet (7.5 meters) of evacuated refrigerant piping.
- Outdoor unit's dimensions exclude the size of the mounting feet. For more detail, please see the drawing in the installation manual.



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Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.  
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