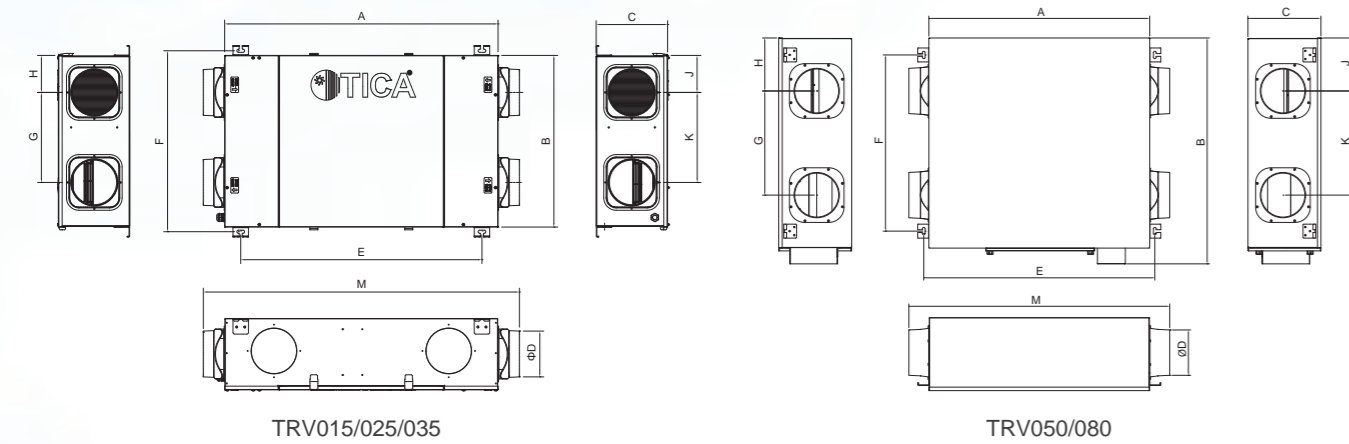


## Model Nomenclature

TRV 025 A C A 08 08

- Discharge static pressure: 08—80Pa
- Air supply static pressure: 08—80Pa
- Feature code: A-Switch type; B-Liquid crystal thermostat; C-Intelligent controller
- Function code: C-Ceiling-mounted
- Design S/N: A, B, C...
- Specification code: Air flow specification × 10m<sup>3</sup>/h
- Name code: Purifying heat recovery fresh air handling unit

## Dimensions

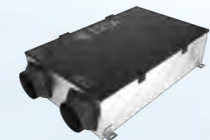


Name	A	B	C	D	E	F	G	H	J	K	M
TRV015	884	555	230	110	780	585	291	120	120	291	1022
TRV025	884	555	230	150	780	585	291	120	120	291	1022
TRV035	884	555	270	150	780	585	291	120	120	291	1022
TRV050	950	972	314	200	994	758	448	228	228	448	1122
TRV080	1030	972	395	250	1074	778	448	228	228	448	1192

## Specifications

Model	TRV015	TRV025	TRV035	TRV050	TRV080
Power supply	220V~50Hz				
Power input (W)	105	135	276	365/380	550/570
Current (A)	0.5	0.6	1.25	1.7/1.76	2.5/2.62
Air flow rate (m <sup>3</sup> /h)	150	250	350	500	800
Purification efficiency	95%	95%	95%	95%	95%
External static pressure (Pa)	80	80	80	50/100	50/100
Heat exchange efficiency (heating/cooling)	85/67	82/63	80/62	73/61	71/62
Enthalpy exchange efficiency (heating/cooling)	75/55	72/52	68/51	64/50	65/50
Sound level (dB(A))	32	34	39	43	45
Net weight (kg)	24	24	27	53	60

Appearance



Note: The GB/T 21087-2007 Air-Air Energy Recovery Device standard applies here.



## TICA, Visible Cleanness TICA, Visible Energy-Saving



## TICA CLIMATE SOLUTIONS Purifying heat recovery fresh air handling unit

High end purification customization and cutting-edge technology from Japan

Note: Due to constant improvement and innovation of TICA's products, the product models, specifications and parameters contained in this document are subject to change without prior notice.

# Purifying heat recovery fresh air handling unit

# Purifying heat recovery fresh air handling unit

# Purifying heat recovery fresh air handling unit



If a room remains closed for a long time, it will develop an unpleasant, musty smell and have excess amount of CO<sub>2</sub>. Introducing fresh air helps to improve the indoor air movement and increase the oxygen.

The foul air discharged from the room and the fresh air introduced from the outside pass through the heat exchanger core at the same time and exchange energy without being mixed, making the oxygen-enriched air imported to the room as close as possible to the indoor temperature and humidity. This not only ensures the indoor fresh air rate, but also saves the operating cost of air conditioner.

The purification filter screen can block outdoor PM2.5 and ensure cleanliness of the indoor air. Meanwhile, it protects the heat exchanger core and prolongs its service life.

## Uninterrupted operation in cold weather

Wide operating range: low speed operation at -20°C to -10°C and normal operation at -10°C to 40°C after preheating.



## Multiple haze removal, healthy home

Must-have for haze removal

Filtering offers layers of protection. The maximum PM2.5 removal rate is 95%.



## Omni-directional air replacement

Fresh air enjoyed without opening the window

The unit is ceiling-mounted in places not that noise-sentimental. With all air ports put indoors, it can ensure that air is supplied and discharged evenly and smoothly.



Micro positive pressure control

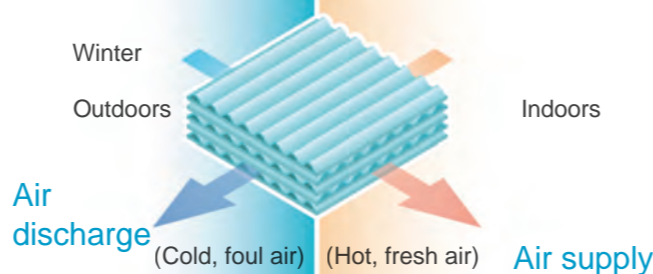
The fresh air rate can be adjusted higher than the exhaust air rate to maintain a micro positive pressure indoors and prevent dirty air from entering the room through the door and window gaps.

High external static pressure

The high static pressure design of unit makes possible the ceiling air supply or floor air supply, allowing you to make a free choice in your home decoration.

## Highly efficient energy recovery

Efficient heat exchange core

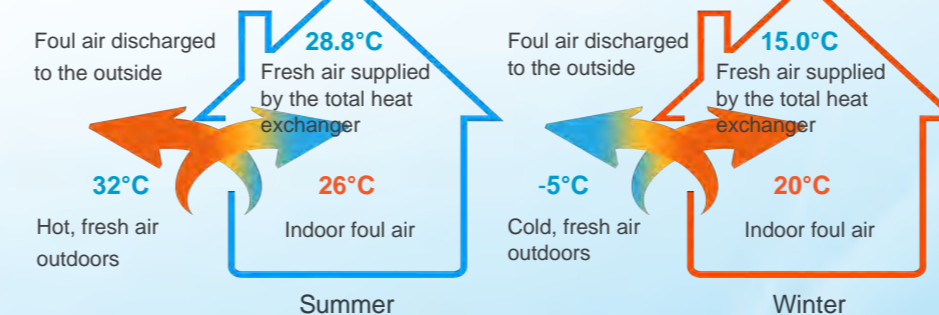


- The heat recovery core is formed by cross-laminating and rotating the single-sided corrugated, parallel paper sheets by 90°, with two mutually vertical and non-interfering channels. The fresh air and return air are able to exchange heat and humidity without being mixed when passing the two channels.
- With the latest technology of Japan, the parallel paper is even and tight, and boasts a heat recovery rate of 80%.

Internal heat preservation

The internal heat preservation structure is adopted to guarantee the low heat conduction coefficient and good insulation effects, prevent condensation effectively, and reach the flame resistance grade. The internal heat preservation design can also reduce the unit noise.

Energy heat recovery



## Exquisite life and simplified control



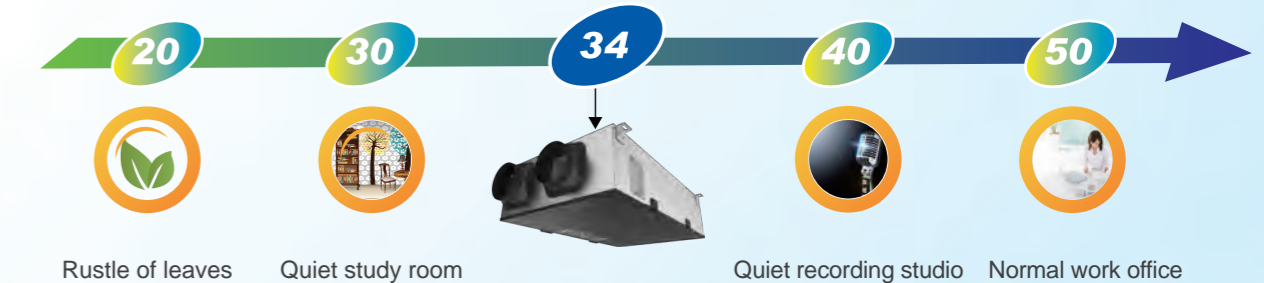
Liquid crystal thermostat  
ON/OFF, fan speed, temperature, humidity, etc.



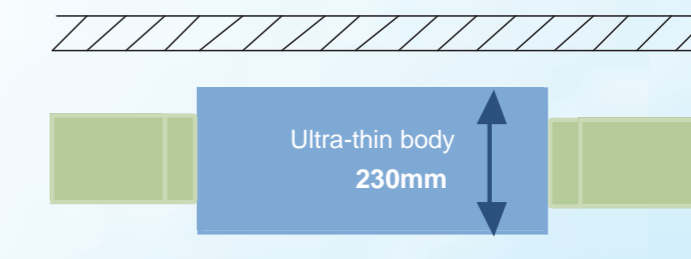
Intelligent controller  
ON/OFF, fan speed, temperature, humidity, PM2.5, CO<sub>2</sub>, TVOC, etc.

## Extreme low noise, creating a quiet environment and ensuring fresh air

The unit operates at just 34dB (A)



## Ultra-thin body to save the installation space



- The unit is only 230 mm thick at its thinnest place, and therefore takes up less ceiling space and could meet different requirements for home decoration.
- With air ports at its sides, the unit is able to adjust the air inlet angle freely in a narrow space.
- The unit can be installed on the ceiling or on its side.

## Easy to repair and operate



The access panel is connected using buckles, and the filter is removable without using any tools, making maintenance convenient and quick.

The access port is provided at the bottom, making it easy to replace filter element, filter screen, fan and electric control board.

Note: TRV015/025/035 adopts bottom overhauling, and TRV050/080 adopts side overhauling.