

# VL-100U-E



## Heat Recovery Ventilators for Residential Use

Time Spent in Comfort with a Breath of Fresh Air

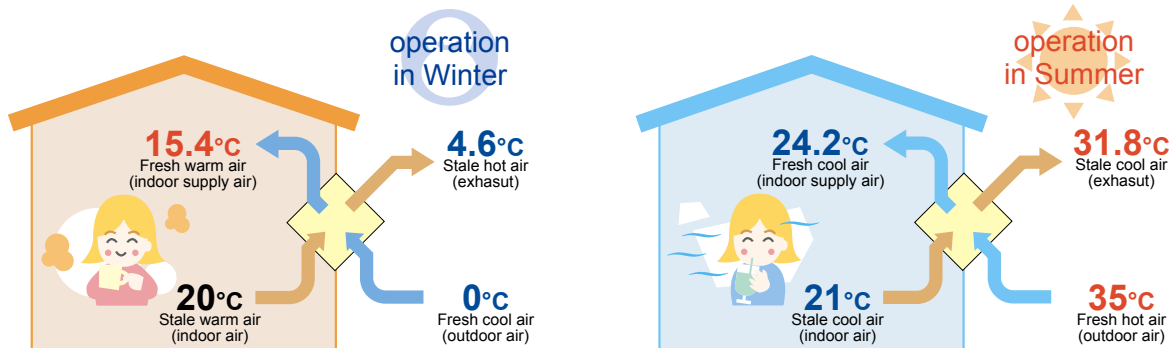
**Energy Saving**  
Reduced heat loss contributes to lower air conditioning costs.

**Quiet Operation**  
Super sound insulation and quiet operation.

**Fresh Air**  
Simultaneous air supply/exhaust function ensures that air stays fresh with efficient ventilation.

**Simple Installation**  
Easy Installation through boring of 2 installation holes.

## Total-Heat-Exchange Concept



### •Heat-exchange calculating equation

$$\text{Indoor supply-air temperature (}^{\circ}\text{C)} = \text{Outdoor temperature (}^{\circ}\text{C)} + \left\{ \text{Indoor temperature (}^{\circ}\text{C)} - \text{Outdoor temperature (}^{\circ}\text{C)} \right\} \times \text{temp exchange efficiency (\%)} \\ \text{Calculation example : } 15.4^{\circ}\text{C} = 0^{\circ}\text{C} + (20^{\circ}\text{C} - 0^{\circ}\text{C}) \times 77\% \quad (\text{Low notch})$$

### •Heat-exchange calculating equation

$$\text{Indoor supply-air temperature (}^{\circ}\text{C)} = \text{Outdoor temperature (}^{\circ}\text{C)} - \left\{ \text{Outdoor temperature (}^{\circ}\text{C)} - \text{Indoor temperature (}^{\circ}\text{C)} \right\} \times \text{temp exchange efficiency (\%)} \\ \text{Calculation example : } 24.2^{\circ}\text{C} = 35^{\circ}\text{C} - (35^{\circ}\text{C} - 21^{\circ}\text{C}) \times 77\% \quad (\text{Low notch})$$

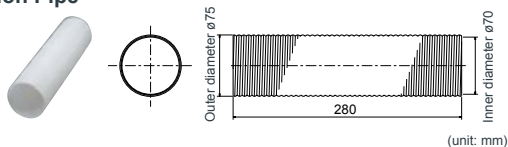
## Specification

- Simple installation through boring of 2 installation holes.
- Low-noise(Less than 30dB at low notch).
- 1-motor 2-fan system. •Air-volume:low/high 2-notch.
- Air-supply/exhaust pipes and plastic weather cover are supplied as accessories.
- Equipped with an outdoor-air shutter. •Pull-string switch

Supply Voltage (V)	Power line frequency (Hz)	Notch	Air volume (m <sup>3</sup> /h)	Power Consumption (W)	Temp.exchange efficiency (%)	Noise (dB)	Weight (kg)
220-240	50	HI	105	26	70	39	6.5
		LO	65	23	77	29.5	
220	60	HI	90	26	73	37	
		LO	50	21	80	26	

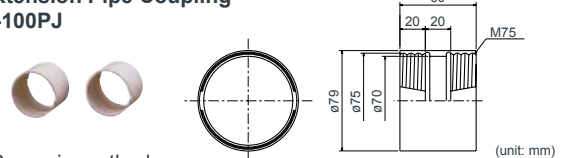
## Optional parts

### Extension Pipe P-100P



- Total length when connected to the pipe extension coupling is 300mm.

### Extension Pipe Coupling P-100PJ



- Screw-in method

Indoor Unit

