

# TRENT VALLEY REFRIGERATION LTD

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## PAC 45 PORTABLE A/C UNIT

These New Generation of Portable Air Conditioners feature 'Self Evaporative' Technology which is a new breakthrough for Portable Air Conditioners.

### About 'Self Evaporative Technology'

All Air Conditioning Systems create water and this includes all Portable Air Conditioners. All water created by a Portable Air Conditioner is collected in an internal water tank. With standard portable air conditioners once the tank is full an alarm will sound and you will have to manually empty the water tank.

'Self Evaporative Technology' means that the water collected in the internal water tank is pumped internally over the condenser (which is hot in air conditioning mode) to aid in the cooling process and achieve cheaper running costs. Since the water is being pumped over the hot condenser the water evaporates (cold water over a hot surface evaporates) - hence 'Self Evaporative Technology'.

These units therefore recycle approx 75% of the water which is generated when the unit is cooling. The advantages this has over standard portable units are: -

1. Increased cooling capacity
2. Increased energy efficiency
3. Reduced running costs
4. Significantly reduced emptying of the water tank

Please note that this entire process occurs internally and no touchable parts i.e the outer casing of the Portable Air Conditioner get hot. All condensers on all Portable Air Conditioners get hot by the way they work - this new technology simply makes use of it.

### Features

- " **Self-evaporative system.** The condensing water is recycled to improve efficiency
- " Low running noise but a powerful cooling turbo fan feature
- " Easily moved via 4 easy glide castors
- " Self diagnosis function and 24 hour On/Off Timer
- " Flashing colourful screen indicating temperature and operation status
- " Wind blows omni-directionally with Auto swing feature
- " 3 Speed Control
- " Vertical Auto Swing Louver
- " Remote Control

### Installation

Portable Air Conditioners require almost no installation. There is a tumble dryer type exhaust hose (supplied with the unit) and this exhaust hose needs to be vented out of a slightly open window or into a ceiling void to vent the hot air created out of the room - alternatively you can have a hole made in your wall and you can vent the exhaust hose through this hole. Once you have vented the hose just plug the unit into a power point and the unit is ready to run.

### Technical Specifications

**Power supply:** 240v @ 13Amp  
**Compressor:** Hitachi  
**Cooling Capacity:** 15000btu's / 4400W  
**Rated Input:** 1690W  
**Rated Current:** 7.3A  
**EER:** 8.3  
**Refrigerant:** R407c  
**Moisture Removal:** 1.5 L/h



**Air Circulation:** 470m<sup>3</sup>/h  
**Maximum Noise:** 50dB(A)  
**Compressor Type:** Rotary  
**Exhaust Duct Length:** 3.0m  
**Colour:** White / Cream  
**Size (WxHxD):** 370x815x595  
**Net Weight:** 44kg  
**Application Area:** 22-30m<sup>2</sup>