

SYSTEM FEATURES & HIGHLIGHTS

ENERGY SAVING RECIRCULATING AIR TECHNOLOGY

- Lower tonnage PCA that performs like higher tonnage units

ENERGY SAVING HEAT PUMP TECHNOLOGY

- Eliminates energy robbing high failure electric heat
- Safer heating - Reduced risk of electrical fires
- Run fans at higher speeds moving more heated air through passenger compartment

ENERGY SAVING VARIABLE SPEED BLOWER + FANS

- Intelligent controlled variable speed blower and condenser fans

MICROCHANNEL CONDENSERS WITH ADVANCED FAN FEATURES

- Vertical microchannel (industry first) provides enhanced refrigerant distribution, reduced refrigerant charge and reversed heat pump operation (industry first)
- **Energy Saving** multi-blade variable speed fans reduce high pressure delivering peak performance in the high ambient environments
- High reliability in corrosive, dirty and jarring environments

LOW NOISE

- Protects your employee's hearing, while reducing stress caused by noisy environments

REFRIGERANT CHARGE

- Inherent compressor protection (refrigerant cannot flood compressor) and oil charge exceeds refrigerant charge for excellent lubricity

COMMON PLATFORM RECYCLABLE CONFIGURATION

- No matter what the size—30, 45, 60, 90 or 120 tons- 95% of the components are common
- Easy component removal and replacement; No need for expensive spare modules
- **At the unit's end-of-life 90% of unit's materials can be recycled**

CHOICE OF SCROLL OR RECIPROCATING COMPRESSORS

- Highest quality, quietest and most efficient
- Proven durability
- Fully sealed refrigeration system

VERDE-ICE™ CONTROLS²

- Intelligent control system efficiently regulates performance, resulting in energy saving operation
- All electronic system control eliminates guesswork and instability of TXV control
- Diagnostic algorithms continuously monitor and logs system operational data
- Wi-Fi, Bluetooth, Cellular, EnOcean, RS485, Modbus and CANbus communication protocols for flexible and secure control
- Plug-n-play, multi-configurable op stations with simple, large button interface
- Remote PCA system inspection
- Remote over-the-air software updates to single or multiple facility PCA units

PREMIUM EFFICIENCY UPGRADE

- Add variable speed compressor option for additional system efficiency

¹ Based on average customer usage.

² These capabilities may be disabled for any services not desired.



SPECIFICATIONS

MOBILE PRECONDITIONED AIR UNIT

Model	Input Power V/ PH/ HZ	Max Fuse*	Blower Motor	Dimensions L/ W / H (in)	Weight (lbs)	Air Flow Range	Max Air Press	Min. Discharge Temp
V30MH	480/3/50/60*	125/80A	20HP/15kW	204/104/84	8,900	0-180ppm	22"H ₂ O	25F/-4C
V60MH	480/3/50/60*	150/100A	40HP/30kW	204/104/84	9,200	0-225ppm	42"H ₂ O	25F/-4C

Cummins and Perkins Engine options available
* Transfer Switch available for grid power

PASSENGER BOARDING BRIDGE-MOUNTED OR STAND-MOUNTED EQUIPMENT

Model	Input Power V/ PH/ HZ	Max/ Min Fuse (A)***	Blower Motor	Dimensions L/ W / H (in)	Weight (lbs)	Air Flow Range	Max Air Press	Min. Discharge Temp
30	480/3/50/60*	125/80A	20HP/15kW	115/90/58	3,600	0-180ppm	22"H ₂ O	25F/-4C
45	480/3/50/60*	150/100A	20HP/15kW	115/90/58	4,100	0-180ppm	22"H ₂ O	25F/-4C
60	480/3/50/60*	200/150A	40HP/30kW	115/90/58	4,300	0-225ppm	42"H ₂ O	25F/-4C
90	480/3/50/60*	325/250A	Twin 20HP/30kW**	230/90/60	8,500	0-400ppm	42"H ₂ O	25F/-4C
120	480/3/50/60*	400A	Twin 40HP/60kW	230/90/60	8,800	0-500ppm	42"H ₂ O	25F/-4C

* Options available at other voltage/frequency supply conditions

** Optional Twin 30HP/50/kW available

*** Max Fuse is defined by the UL1995 Calculation - Min Fuse is actual Amp draw as tested by Verde GSE



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