



HC Manufacturers (Pty) Ltd

AIR & WATER COOLED PACKAGED AIRCON UNIT

PAA

SL-PAA-2-01/2007

GENERAL DESCRIPTION

The HC Manufacturers Modular Aircooled split package airconditioning units are designed to provide close control and comfort airconditioning for many different applications. The equipment is used extensively for the Telecommunications and computer room and data centre environments.

The range is comprehensive and extends from 8kW to 70kW cooling capacity / heating optional. The evaporator coil incorporates high efficiency rifle bore tubes for enhanced heat transfer, resulting in reduced fan power requirement. When combined with the HC Manufacturers aircooled condensers, (HCV) they provide complete airconditioning systems. Alternative to the air cooled arrangement, the air handling equipment is also suitable for chilled water applications as well as water cooled package applications, utilising Shell and tube or plate type condensers.



CLOSE CONTROL

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PACKAGED
AIR
CONDITIONER

STANDARD FEATURES

- Quiet, high efficiency hermetic compressors.
- HP, LP and freeze-up protection.
- Motors and Switchgear to SABS standard.
- Epoxy powder coated steel casting & aluminium frame for maximum corrosion resistance.
- Robust modular construction permits transportation without damage.
- Easily removable panels provide good all round access.
- Supply air delivery can be vertical, top-horizontal or down blow.
- All components are selected for long life, 24hr continuous operation.
- Compressor Service Valves and Crankcase Heaters.
- Dehumidification coincidental.

OPTIONAL FEATURES

- Filters easily removable from front of unit. Slide or top withdrawal filters optional.
- Secondary Filters.
- Remote condensers have copper tubes and aluminium fins. Other fin materials and casing optional.
- Adjustable floor supports eliminate vibration into service floor.
- Hot gas Reheat for constant under floor temperature.
- Micro processor control standard, remote management optional.
- Pressure transducers for digital refrigeration and pressure information.
- Variable fan Speed Head Pressure Control.
- Electric heaters, humidification and control.