



METRA CLARK

Refrigeration & Air-Conditioning Wholesale



DYNABASE

TYPE:
CDU

CONFIGURATION:
OPEN BASE

CAPACITY RANGE:
1.2 to 83 kW



COMMENTS

The DynaBase range of air-cooled condensing units have been designed utilising first order thermodynamic principles to ensure optimal component sizing and high refrigeration efficiency. The DynaBase range has been adapted to fit BOCK semi-hermetic, Copeland scroll, Copeland reciprocating, Danfoss reciprocating, and Tecumseh reciprocating compressors. The range includes more than **700** different model variants from 0.5 HP up to 50 HP compressors, with one fan condenser bases up to six fan condenser bases, suited for low-, medium-, and high temperature applications. Therefore, the DynaBase range is the largest range of reciprocating and scroll compressor condensing units suited for every commercial refrigeration application under the Metraclark Dynamic brand. The DynaBase range is manufactured under strict ISO 9001:2015 quality management and all units are pressure tested before dispatching.

DESIGN

- DynaBase condensers and base frames utilize a modular design approach for a larger cooling capacity range of products.
- Multi-refrigerant design options available: R134a, R404a, R507a, and R407F.
- Four condenser design configurations to suite all southern African ambient conditions.
- All sheet metal is fully powder coated for corrosion resistance.

OPTIONAL EXTRAS

- Condenser fan speed control.
- BluChem treatment for condenser coil.
- BPHE for hot water recovery.
- Full integrated compressor, condenser, and evaporator electrics.

ENERGY EFFICIENCY OPTIONS

- Digital enhancement for energy saving: Digital and mechanical capacity unloading, VFD, and soft starters to reduce starting inrush current.

STANDARD COMPONENTS

- Powder coated mild steel base frame.
- Copper tube and aluminium finned condenser coil block.
- EBM Axial fans with protective grill.
- Liquid receiver with outlet isolating valve.
- Suction and discharge vibration eliminators where applicable according to compressor.
- Oil separator with oil return line where applicable according to refrigerant flow rate.
- Suction accumulator on low temperature units.
- Liquid line with drier and sight glass.
- Replaceable liquid line filter drier on units with compressors of 20 HP and up.
- Individual Danfoss HP and LP switches, and pressure gauges.
- Danfoss HP Auto pressure switches for head pressure regulation on multiple fan units.
- Service valves where applicable according to compressor type.
- Thermistor motor protection module.
- Compressor crankcase heater.
- Pre-wired compressor terminal box.