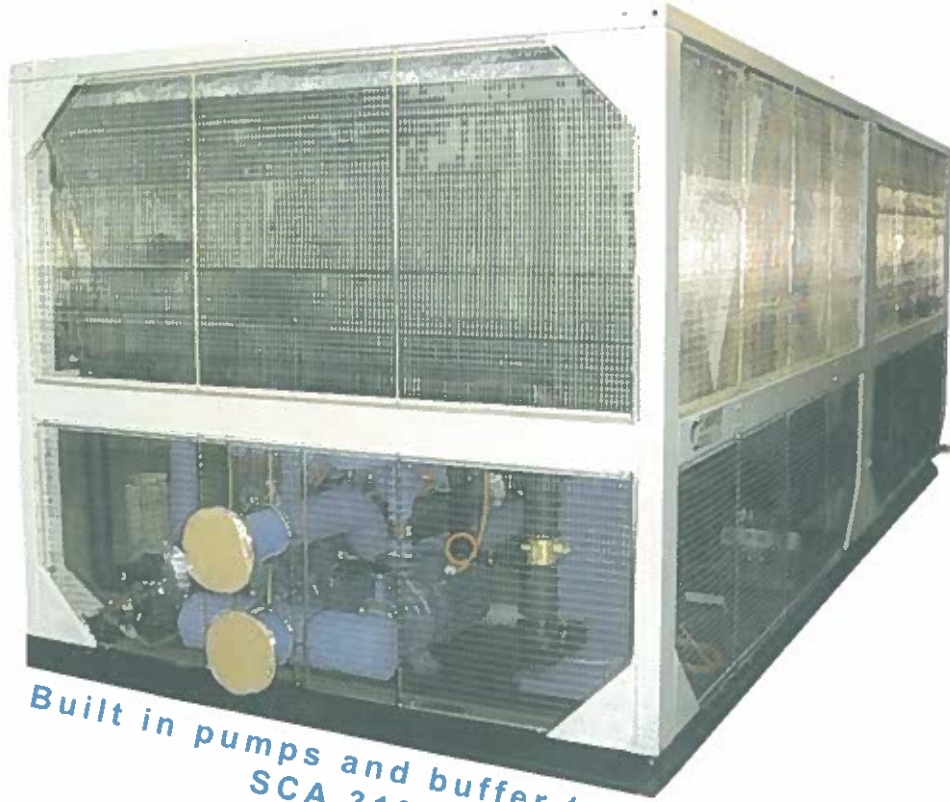


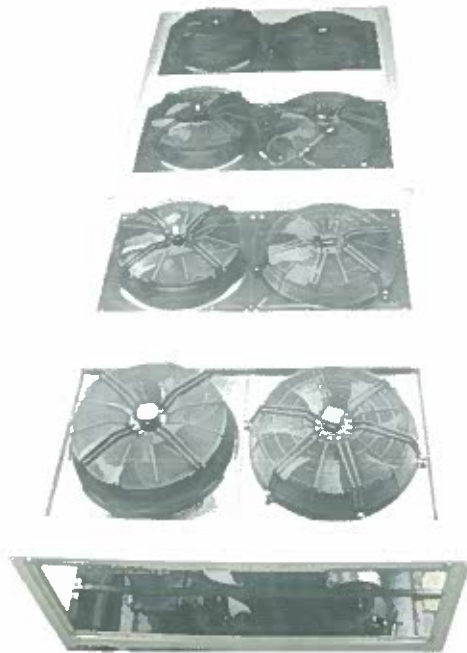


COMPACT COOL COOLING UNIT
 MANUFACTURERS (PTY) LTD.
 Reg. No: 197600414707
 60 - 3rd STREET, BOOYSENS RESERVE 2091
 P.O. BOX 1697, SOUTHDALE 2135, JOHANNESBURG
 Tel: 27 (011) 835-1131/2/3/Fax: 27 (011) 835-2386
 e-mail: sales@compactcool.com
 website: www.compactcool.com
 ISO 9001 : 2008
 Proudly South African™ member
 BEE Certified

WATER CHILLERS Type SCA



Built in pumps and buffer tank
 SCA 310



Low noise & high efficiency
 axial fans



SCA Chiller with optional
 condenser filters fitted



| MODEL | COOLING CAPACITY @ 35 °C Ambient WATER SUPPLY TEMPERATURE 6 ° C | CONDENSER FAN(S) | COMPRESSOR POWER INPUT | WATER FLOW @ 300 kPa PUMP HEAD | CURRENT AT START UP (MAXIMUM) | Dimensions WIDTH X LENGTH X HEIGHT | MASS (approximate) |
|-------|---|---------------------|---------------------------|-----------------------------------|-------------------------------------|--|-----------------------|
| SCA | kW | No X kW | No X kW | m ³ /hr | A | mm | kg |
| 70 | 78 | 2x 2.2 | 1 x 35 | 11200 | 65 | 1800 x 2300 x 2300 | 1300 |
| 130 | 130 | 4 x 1.6 | 2 x 30 | 18600 | 113 | 3200 x 2300 x 2300 | 1800 |
| 150 | 156 | 4 x 2.2 | 2 x 35 | 22400 | 130 | 3200 x 2300 x 2300 | 2500 |
| 190 | 195 | 6 x 1.6 | 3 x 30 | 28000 | 168 | 4800 x 2300 x 2300 | 3000 |
| 230 | 234 | 6 x 2.2 | 3 x 35 | 33600 | 200 | 4800 x 2300 x 2300 | 3200 |
| 260 | 260 | 8 x 1.6 | 4 x 30 | 37300 | 227 | 6400 x 2300 x 2300 | 3900 |
| 310 | 312 | 8 x 2.2 | 4 x 35 | 44800 | 267 | 6400 x 2300 x 2300 | 4200 |
| 390 | 390 | 10 x 2.2 | 5 x 35 | 55900 | 335 | 8600 x 2300 x 2300 | 4500 |
| 460 | 468 | 12 x 2.2 | 6 x 35 | 67000 | 404 | 10900 x 2300 x 2300 | 4800 |

COMPONENTS

- Hermetic scroll/reciprocating compressors
- Condenser coils with Copper tubes. Aluminium fins, wide fin spacing
- Low noise, high efficiency axial impeller fans
- Shell and tube or brazed plate evaporator
- Close-coupled centrifugal pump
- Electrical panel (IP 55) incorporating:
 - o Main isolator
 - o Circuit breaker(s)
 - o Contactor(s) and overload(s)
 - o Compressor anti-cycle timer
 - o On/Off switch
 - Signal lamps for main functions
 - Microprocessor temperature controller and display or PLC controller and display with BMS capability
 - Mechanical safety thermostat as protection against high or low water temperature
 - Water pump pressure gauge

OPTIONS

- High flow/high pressure pumps to suit
- Centrifugal type condenser fans for duct application
- Voltage protection
- Standby pump(s) with automatic changeover
- Epoxy coated or Copper condensers
- Hot dipped galvanized frame
- R 22 / R 407 / R 410 refrigerant
- Wide fin spacing on condensers (for dusty environments)
- Condenser filters

FEATURES

- Units are self-contained and compact for easy installation. They can all fit into a standard container for transport
- Unit are designed for high ambient temperatures
- All components are easily sourced locally in South Africa
- We carry all parts and have 24 hour service back-up for South Africa
- Independent refrigeration circuits to do total load in the event 1 circuit failing, unit continues to operate with remaining circuits with water at a slightly higher temperature (≤ SCA 130)
- Test run and commission before delivery
- Frame constructed from heavy gauge steel or Stainless Steel. Galvanized or stainless steel covers removable for easy access to any part of unit for service
- Textured electrostatic powder coated finish
- **MANUFACTURED IN SOUTH AFRICA** for South African ambient and operating conditions

INSTALLATION

- Units are assembled, internally wired and charged with refrigerant at the factory
- All that is required is 380V/3 phase/ 50 Hz/neutral/earth