



COMPACT COOL COOLING UNIT  
MANUFACTURERS (PTY) LTD.  
Reg. No: 197600414707  
60 - 3rd STREET, BOOYSENS RESERVE 2091  
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ISO 9001 : 2008  
Proudly South African™ member  
BEE Certified

## WATER CHILLERS Type PAC/STA



PAC 70 S



PAC 52



PAC 30



MODEL	COOLING CAPACITY @ 35 °C Ambient WATER SUPPLY TEMPERATURE 6 ° C	CONDENSER FAN(S)	COMPRESSOR POWER INPUT	WATER FLOW @ 250 kPa PUMP HEAD	CURRENT AT START UP (MAXIMUM)	Dimensions WIDTH X LENGTH X HEIGHT	MASS (approximate)
PAC/STA	kW	No X kW	No X kW	l/hr	A	mm	kg
10	11	1 X 0.64	1 x 4.4	2000	13	790 x 1480 x 1970	500
12	13	1 x 0.55	1 x 7.2	2400	16	790 x 1480 x 1970	530
15	16	1 x 0.64	1 x 8.2	3200	19	790 x 1480 x 1970	550
20	21	1 x 0.64	1 x 10	4000	24	1600 x 920 x 2200	600
25	26	2 x 0.64	1 x 11.5	5000	29	1600 x 920 x 2200	650
30	33	2 x 0.64	1 x 15	6000	39	1600 x 920 x 2200	700
52	54	4 x 0.64	2 x 11.5	10000	56	2460 x 920 x 2200	830
62	64	2 x 1.6	2 x 15	12000	62	2240 x 1250 x 2200	900

#### COMPONENTS

- Hermetic scroll/reciprocating compressors
- Condenser coils with Copper tubes. Aluminium fins, wide fin spacing
- High efficiency axial impeller fans
- Shell and tube or brazed plate evaporator
- Close-coupled centrifugal pump
- Electrical panel (IP 55) incorporating:
  - Main isolator
  - Circuit breaker(s)
  - Contactor(s) and overload(s)
  - Compressor anti-cycle timer
  - 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
  - Compressor hour meters
  - Suction strainer for pump
  - Isolating valves on water circuit

#### 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
- R22/R407/ R410 refrigerant
- Wide fin spacing on condensers (for dusty environments)
- Condenser filters
- Low noise axial condenser fans

#### FEATURES

- Units are self-contained and compact for easy installation
- 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 in South Africa
- Independent refrigeration circuits to do total load, on certain models (PAC 52, PAC 62). In the event 1 circuit failing, unit continues to operate with remaining circuits with water at a slightly higher temperature
- 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

- Low ambient control by condenser fan speed control or/and cycling of fans
- Adjustable feet