

# BKool16 AIR CONDITIONER

## KEY DESIGN FEATURES



### BKool16

- Digital Temperature Control
- Flexible Directional Outlets
- Status Indicator Panel
- Ductable Warm Air Outlet
- Internal Water Tank
- Recirculation Mode
- Optional Condensate Pump

HIGH CAPACITY, PORTABLE, INDUSTRIAL AIR CONDITIONER  
FOR LOCAL SPOT COOLING.

## SPECIFICATIONS

SPECIFICATIONS	BKool16 10974GB-GB	FEATURES	BKool16 10974GB-GB
Height (mm)	1180	ON/OFF Control	✓
Width (mm)	500	Digital Temperature Control (18°C - 35°C)	✓
Depth (mm)	675	Status Indicator Panel	✓
Weight (kg)	92	Bucket Fitted / Full Indication	✓
Voltage (V)	230	Castors	✓
Phase	1	High Pressure Cutout	✓
Frequency (Hz)	50	Low Pressure Cutout	✓
Current (A)	10	Air Inlet Filter	✓
Power (KW)	2.3	Ductable Warm Air	✓
Evaporator Airflow (m3/hr)	640	Compressor Restart Protection	✓
Condenser Airflow (m3/hr)	1900	High Efficiency Rotary Compressor	✓
Noise Level (dba)	72	Condensate Pump Option	○
Cooling Capacity & 27°C 60% (BTU)	16,000	Condenser Air Inlet Adaptor	○
Cool Air Duct Qty / Diameter (mm)	2 / 100	Refrigerant	R454c
Warm Air Duct Diameter (mm)	310	Steel Construction	✓
Max Operating Temp (°C)	35	Stoved Epoxy Finish	✓

# PRINCIPAL OF AIR CONDITIONING

Heat is a form of energy, cooling is means of transferring the heat from one object to another.

In the case of Air conditioning, sensible heat is removed from the indoor space and replaced with cooler air, and the warm air removed is exhausted outside the space being conditioned.

This process gradually reduces / maintains the inside temperature.

Air Conditioning is most commonly used to achieve a more comfortable interior environment, typically for humans or animals. However, air conditioning is also used to cool rooms filled with heat-producing electronic items, such as computer server rooms.

Spot Coolers allow the cool air to be directed towards specific objects or people.



## APPLICATION

The Bkool24 is the ideal choice for local, spot cooling in offices, server rooms, workshops and basically most applications requiring localised cooling.

The "Stay Put" directional outlets ensure the cool air is delivered to the specific point / area where cooling is required

The high powered backward, curved condenser ensures adequate condenser airflow.

APPLICATIONS	BKOOL16
Warehouses	✓
Factories	✓
Sports Halls	✓
Oil Rigs	✓
Storage Areas	✓
Stadiums	✓
Ships	✓
Manufacturing Areas	✓

## WHY CHOOSE EIPL ?

EIPL have for many years designed and manufactured bespoke Air Conditioning systems for the Military and Rail markets. Customers include:- BAE Systems, Airbus, Alstom, Bombardier and many more. The key requirement when designing for these markets is robustness and reliability. This experience has now been used to develop a range of Spot Coolers aimed towards the commercial / Industrial markets.

## THE PROBLEM

Whether the application is office, warehouse, or manufacturing, an air conditioning system provides many benefits. The controlled temperatures creates a healthier environment, and consequently reduced sickness absence. An Air Conditioned environment will also increase workplace efficiency as employees can focus on their job without the distraction and discomfort from heat

Computer server rooms create a significant heat load, spikes in temperature often overload existing cooling systems, and could result in systems going offline, or even damaged.

## ACCESORIES

For installations requiring unattended operation, and optional condensate pump kits is available. This replaces the internal water container with a permanent drainage system, allowing for unattended operation.

Also available is a condenser air inlet adaptor, allowing external air to be used to cool the condenser side.

Flexiable ducting is also available for the condenser Inlet and warm air outlet

## EIP

The EIPL range of Bkool Spot coolers have been sized to provide cooling for all sized applications. All units are powered from a regular 230V domestic supply available in all properties.

The self contained, "plug and play" equipment allows easy installation, just connect a suitable duct to the outlet and position, preferable outside, alternatively outside the space to be cooled, connect to a suitable power source and adjust the digital thermostat to the desired temperature.

As the BKool Spot Cooler cools the air, moisture is also removed. This water is collected in the internal container, alternatively the container can be changed for a high capacity internal condensate pump, allowing the unit to run for long periods unattended.

Safety is always an important consideration with EIPL, therefore the BKool range incorporates both High and Low Pressure stats which prevent the unit from running in unsafe conditions.

The large diameter robust castors allow the unit to be easily manoeuvred into positioned, and the brake applied to prevent movement during operation.



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