

SPECIFICATIONS

Specifications	BKool12	BKool16	BKool24	Features	BKool
Model No.	10970GB-US	10971GB-US	10972GB-US	Model No.	ALL
Height (inch/mm)	45 / 1130	47 / 1180	50 / 1280	On/Off Control	✓
Width (inch/mm)	20 / 500	20 / 500	20 / 500	Electronic Thermostat	✓
Depth (inch/mm)	27 / 675	27 / 675	29 / 740	Air Inlet Filter	✓
Weight (lbs/kg)	88 / 194	92 / 203	103 / 227	High Pressure Cutout	✓
Voltage	220	220	220	Low Pressure Cutout	✓
Phase	1	1	1	Bucket Fitted / Full Switches	✓
Frequency (Hz)	60	60	60	Castors	✓
Current (A)	7	10	13	Ductable Warm Air	✓
Power (kW)	1.7	2.3	3.0	Flexiable Directional Outlets	✓
Cooling Capacity @ 80°F/60% (BTU)	12,000	16,000	24,000	Condensate Pump Option	✓
Evaporator Airflow (cfm/m3/hr)	377/640	377/640	950/559		
Condenser Airflow (cfm/m3/hr)	1,120/1,900	1,120/1,900	1,120/1,900		
Refrigerant	R410a	R410a	R410a		
Noise Level (dba)	70	72	72		
Duct Diameter (inch/mm)	12/310	12/310	12/310		
Operating Conditions - Min (°F/°C)	65 / 18	65 / 18	65 / 18		
Operating Conditions - Max (°F/°C)	113 / 45	113 / 45	113 / 45		

APPLICATION

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.

KEY DESIGN FEATURES

- Robust steel construction.
- Digital thermostat.
- “Stay put” adjustable outlets.
- Large diameter castors with brake.
- Simplistic installation and operation.
- Integral Water Container.
- Ductable warm air outlet.
- Optional internal high lift pump.
- High pressure safety cutout.
- Low pressure safety cutout.



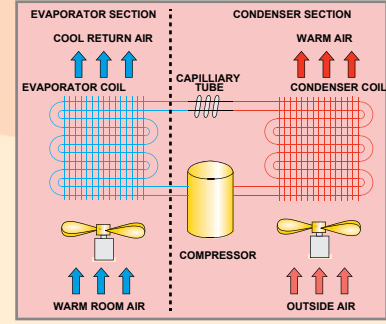
BKool12 16 & 24 SPOT COOLERS



SELF CONTAINED • HIGH CAPACITY • DIGITAL CONTROL
OFFICES • SERVER ROOMS • WORKSHOPS • WAREHOUSES

HOW A AIR CONDITIONER WORKS

- Air Conditioners comprise of two sections
 - The Evaporator section where the cooling of the room air takes place.
 - Condenser section where the rejection of the heat removed takes place
- The evaporator fan draws the room air over the cold evaporator coil where any heat is removed and the air is cooled.
- Typically this cooling effect reduces the air temperature by approximately 10°C.
- The condenser fan draws typically outside air over the condenser coil where the heat removed from the evaporator coil is added.
- This warmer air is then exhausted outside.



Applications

Warehouses
Basements
Water Damage Restoration
De-Flooding
Sports Halls
Storage Areas
Laboratories

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.

THE BKOOL RANGE

The EIPL range of Bkool Spot coolers have been sized to provide cooling for all sized applications. All units are powered from a regular 220V 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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