



# Barn Kooler

## 24" Electric Dairy Parlour Fan

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## Barn Kooler Dairy Parlour Fan

Providing a more pleasant and less stressful environment for both operator and animals.

**EF01 Barn Kooler 24" Electric Dairy Parlour Fan**

**EF02 Cool Air Misting Kit**

**EF08 Variable Speed Control**



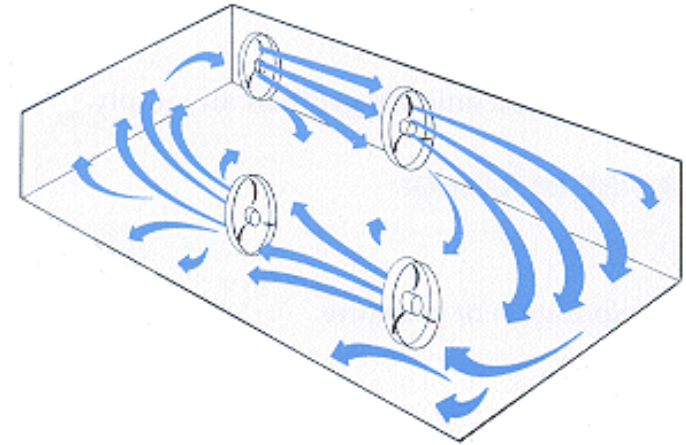
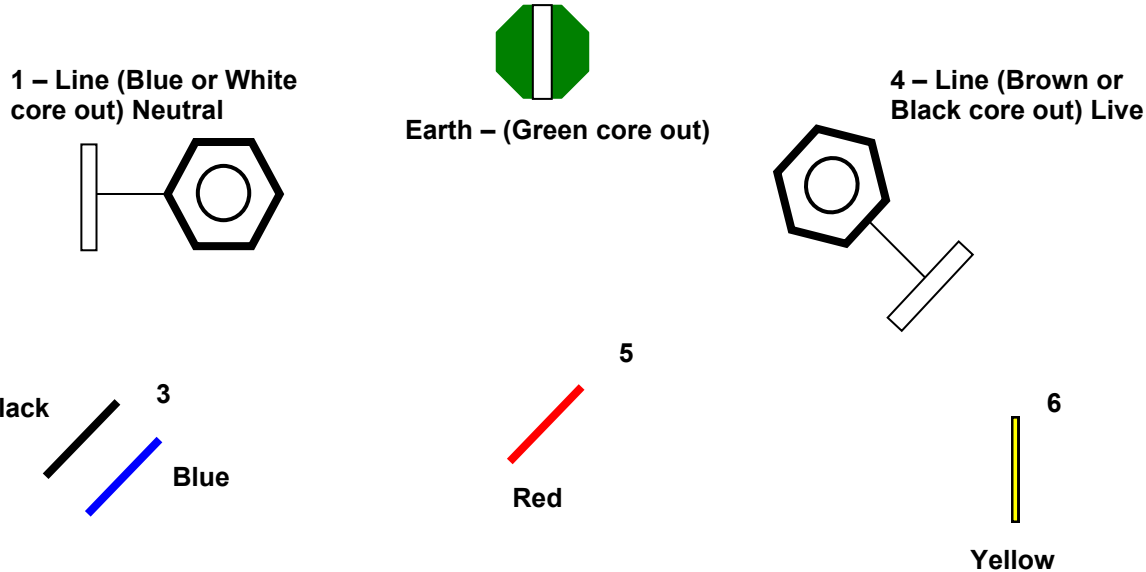
The Barn Kooler fan is proven and patented for high velocity air movement and circulation, for use in naturally ventilated or totally confined buildings. It provides air flows over and around operators and animals, to cool, ventilate and create a healthier environment.

One fly can harbour 6 million bacteria and spread diseases such as summer mastitis and New Forest eye. They reduce production through disturbance. Milk Yield can easily be reduced by 5% through the nuisance factor and up to 60% as a result of disease. Daily liveweight gain may also diminish by up to 1 kilogram as a result of poorer feeding.



- Reduction of summer heat and insect stress for improved milk production.
- Design for optimum air movement, it creates a wide stream of cooling air with no need for an oscillator. It produces **more than twice the air flow** and has a wider airstream than funnel or basket fans.
- The misting kit offers still more effective cooling with a gentle cooling mist.
- The constant air flow throughout the building discourage flies and insects, reducing the stress levels in animals, promoting good udder health and production management.
- The design of the polished aluminium blades permit greater air circulation at floor level to help lift and remove ammonia fumes while providing fresh air for the animals. In turn increasing feed intake and milk yield.

# High Voltage 230 Volts AC Non Reversible



Picture shows the correct method for attaching the fan front guard to the main guard in case of removal

## Fan Motor (Model CS102) wiring diagram 230 Volts

Fan should be wired by a suitably qualified person to local electrical regulations

### Fan Air Flow Comparison

| Model                             | Air Flow in m <sup>3</sup> /hr |
|-----------------------------------|--------------------------------|
| Barn Kooler 24" Dairy Parlour Fan | 14,450                         |
| Airforce II Parlour Fan           | 6,500                          |
| Jetfan®                           | 6,000                          |

### Barn Kooler Technical Specification

| DS Code | Blade Size    |       | Overall Dimensions                   |      |      |
|---------|---------------|-------|--------------------------------------|------|------|
|         | H/P           | Amps  | m <sup>3</sup> /hr                   | RPM  | Wt   |
| EF01    | 24" Aluminium |       | Dia 655mm (25.5"), Depth 410mm (16") |      |      |
| 230V AC | 1/2           | 2 - 4 | 14,450                               | 1725 | 17Kg |

The Barn Kooler is driven by a single phase 230V AC motor that may be run from a 13A supply. The Barn Kooler's efficient blade design maintains optimum air flow whilst achieving minimal energy consumption and a low running current.

In conjunction with the motors maintenance free ball bearings, the balanced blades reduce noise and vibration, making the Barn Kooler quieter and more durable than other fans.

The 24" blade is fully guarded to OSHA standards and the epoxy coated guard does not restrict the air flow. The mounting bracket provided permits the fan to be installed close to the ceiling providing maximum head room whilst still allowing system flexibility.

The optional misting kit promotes still more effective cooling. Each brass nozzle delivers 1/2 gallon at the low end of the 50 - 300 psi pressure range, yielding cooling of up to 25°F. With 4 nozzles the Barn Kooler produces a gentle cooling mist, ideal for use in airy shaded environments.