

Motors and Fans for the HVAC & Refrigeration Industry



BTM SERIES Permanent Split Capacitor Motor

Widely used in industrial and commercial refrigeration for condensing and evaporating units, freezers, food and beverage coolers, bottle coolers, walk-in & reach-in coolers and ventilating units.

Innovative: PSC efficiency in a compact refrigeration motor.

Cost effective: Energy Saving Motor at affordable cost

Optimized performances: Suitable for all angle operation. Multiple mounting features. Perfect drop-in replacement of the shaded pole range (NU series).

Accessories: Wide choice of fan blades and shrouds for best airflow.

Features

Type	AC / PSC - permanent split capacitor / 4 poles / single speed
Range	1/125 HP, 1/80 HP and 1/50 HP (6, 9 and 15 watts)
Voltage	115V 60Hz or 230V 50-60 Hz
Enclosure	Totally enclosed
Bearings	Self lubricating and self aligning long life Sintec sleeve bearings (Ball bearings on request).
Duty	Continuous, Air Over.
Insulation/protection	Class B. Impedance or Thermally protected.
Operation	Standard operating temperatures: -40° F to 122° F (-40° C to 50° C).
Mounting	Rear cored UNF #8-36: tapped holes on 2.835" (72mm) bolt circle: [3] @ 120° & [2] @ 180°, [4] holes on single bottom boss (for condensing unit V-Type brackets) and [4] front screws for shroud/guard mounting.

Accessories

Fan Blades

Diameter:	4 sizes from 6" (154mm) to 10" (254mm). 5 blades-axial.
Construction:	Aluminum and plastic (on specific models). Suction (pull) and blow (push)
Pitch Available:	Standard stock: 22, 28, 34° - also 19, 25, 31° on request
Other Accessories:	Wide range of guards and shrouds available.

ELCO Motors Inc.

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