



ARKTIC® 59 MOTOR HELPS YOU MEET DOE WICF REGULATIONS WHILE KEEPING YOUR PRODUCE FARM-FRESH

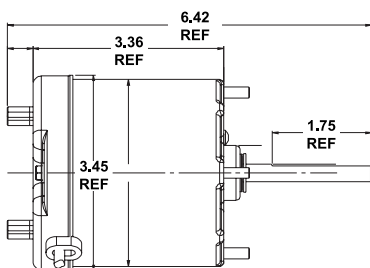
Our ARKTIC® 59 motors are primarily used in the evaporator of commercial refrigeration walk-in coolers and freezers, but can be used in many air-moving applications demanding high efficiency and dependability with output ratings up to 50 watts.

EFFICIENCY GAIN

Our ARKTIC 59 motor significantly outperforms both shaded pole and PSC technology. With efficiency three times higher than shaded pole motors and 40% higher than PSCs. The ARKTIC 59 motor provides users reliable and energy-efficient solution for their applications. It is factory programmed to meet your specifications.

ENVIRONMENTAL SUMMARY

- Storage Temps: -40 to 80° C ambient
- Operating Temps: -40 to 25° C
- Design Life: 10 years, 83,720 hours on time for typical evaporator fan application



ELECTRICAL SUMMARY

- Voltage: 115V or 208-230V Single Phase
- Output: peak output 50 watts – 1/15 HP rated at 1550 RPM
- Efficiency: 66% peak
- Speed Range: 500 – 1800 RPM
- Speeds: 1 or 2
- Rotation: CW, CCW, or CW/CCW (determined from the lead end of the motor)

MECHANICAL SUMMARY

- Type: 3.3" electronically commutated
- Shaft: 5/16" single shaft with single flat is standard
- Enclosure: totally enclosed – air over required
- Bearing: ball bearing with low temperature grease
- Mounting: standard 0.5" - #10-32 studs on shaft end (2.8" bolt circle) and 0.5" - #10-32 studs on the opposite shaft end (2.8" bolt circle)
- Operating Position: all angle
- Control: integrated to motor
- Leads: many customized fixed lead options are available.
- UL: E258064



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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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