

# Delta T Systems 16 INCH DC AXIAL FANS

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# Delta T Systems

## 16 INCH DC AXIAL FANS



**Application** - Ideally suited for small vessel engine rooms and OEM applications where compact high flow ventilation systems are required. Excellent for today's high horsepower vessels, the 16" Axial Fan provides smooth quiet operation with its reversible S-blade design.

**Design & Construction** — The 16" Axial Ventilation Fan is specifically designed and built for the rigors of the marine environment – not adapted from other industries. With a flanged shroud made of glass filled nylon, this unit provides a nearly indestructible, compact fan with superior corrosion resistance. Extended wiring leads from the motor to a mating pigtail connector provides for simple quick installation.

**Motor** — A specially marinized sealed DC direct drive motor (DIN EN 60529) provides quiet reliable service. Dust and water proof to IP68.

Motors are totally enclosed (TEAO) double shielded ball bearing type. Constructed with die cast aluminum end plates, O-ring seals, stainless steel shaft and tough black Teflon epoxy coating for superior corrosion resistance. Armatures are dynamically balanced for quiet, vibration free operation.

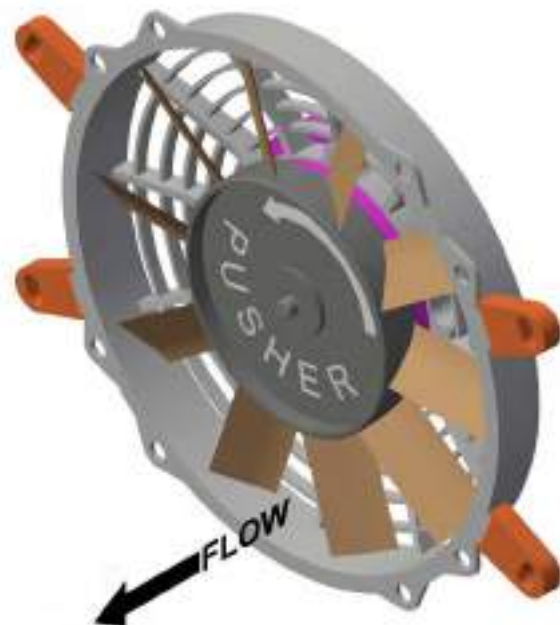
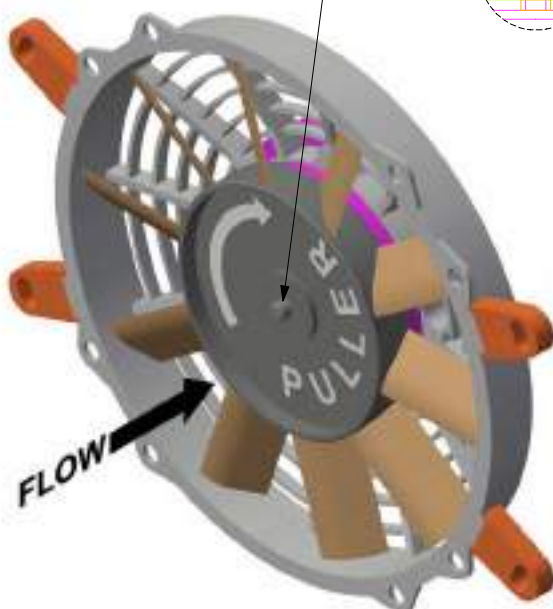
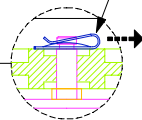
**Fan Hubs & Blades** — A 5-blade glass filled nylon hub with a brass inserted pilot is secured directly to the motor shaft.

**Finish** — Black glass filled nylon with black Teflon epoxy coating.

• 16 Inch Fan - 12 Volt DC — Part No. 500-316122



FAN HUB/BLADE RETAINING CLIP DETAIL  
(SLIDE CLIP IN DIRECTION OF ARROW TO REMOVE HUB AND REVERSE AIR FLOW DIRECTION)



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TYPICAL PERFORMANCE DATA		
M166K 16" LP REVERSIBLE CHAMPION 12V 160W		
Static In H <sub>2</sub> O	Total Flow CFM	13.5 VDC AMPS
0.00	1810	12.3
0.10	1680	12.8
0.20	1456	13.1
0.30	1181	13.0
0.40	877	12.6
0.50	556	12.0
0.60	217	11.8
0.70	STALL @ 0.7"	12.1

