



Providing high reliability air moving systems since 1942 for the military, defense, and commercial aerospace markets.

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PR 19: Dynamic-Air Engineering releases new 28VDC brushless scavenge fan for desert and mountain duty. M5501A-27B-BL.

The Dynamic-Air Engineering, Inc. (DAE) product development team has completed design and qualification of a new brushless DC fan (BLDC) designed for scavenge applications. DAE successfully passed rigid military testing of the fan for sand and dust which fed over 200 pounds of dust into the fan over a 48 hour period. This fan also passed all tests for shock, EMI and temperature per MIL-STD- 810. This fan was designed to withstand serious scavenging duty of filter systems for allied battle tanks and ground vehicles doing rigorous desert and mountain duty.

The summary of the performance curve for the fan is :

- Flow: 400 to 500 cfm (11.4 to 14.5 cubic m/m)
- Static Pressure: 6 to 11.45" wg (1,494.5 to 2,852.2 Pa)

DAE also has optional coatings and bearings available that will extend the running life of its fans and blowers that are exposed to extreme environments of scavenge duty.

DAE prides itself for our 70 year history of supporting off the shelf and custom designed air moving solutions for military and aerospace applications such as:

- Ground vehicles
- Fixed Wing and Rotor Aircraft
- Naval ships
- Unmanned Vehicles
- Radar and Missile Systems
- Airships and Aerostats.

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