



Military Vehicle Fan Applications



The movement of air inside a Military Vehicle takes many guises but is essential for the operation, safety and comfort of both personnel and equipment.

Faced by the most challenging applications and severe operating conditions, the expertise within DAE Systems is a sure guarantee of an optimum solution to any Air Movement problem.

Typical applications in which DAE Systems air moving systems are implemented include:

Gun smoke extract –

Used to exhaust toxic fumes from the vicinity of machine gun and cannon breaches. These fans can be produced in single, twin or variable speed versions, matching the severity of the pollution, or doubling as vent fans on silent watch.

Ventilation –

Many vehicles, principally armored personnel carriers, command and communication vehicles, ambulances, missile carrying vehicles and armored cars, use brushless DC ventilation fans.

CBRN Filtration (Dust Blowers) –

Used to provide the main flow air through a CBRN filter at the same time providing a scavenge flow to particle separators, removing sand and dust. Optimizing two fans on the same shaft of a single motor, up to 65Amp DC power capability. Providing crucially filtered air to the crew in a CBRN environment.



Military Vehicle Fan Applications

Inquire at: <https://daesystemsnc.com>

email: cs@daesyst.com Phone: US +1-828 548-3192 _ UK +44 (0)7586 809 151



Scavenge Fans - used when a vehicle is in a heavy dust environment, a fan in conjunction with a cyclonic filter, ensures that dust and sand are excluded from engine combustion air and vehicle filter systems. Utilising specialist materials and processes to withstand the high erosion environment.



Equipment cooling –

With the ever increasing electronic equipment within a vehicle, the heat load increases, with high temperatures and solar energy adding to the problem, electronics are reaching their upper operating temperatures. Forced air cooling and spot cooling is provided within and without individual electronic equipment.



Engine Cooling Fans –

Today's power pack designers face an ever increasing demand for cooling air through a variety of high density radiators, including engine radiators, charge coolers, transmission and oil coolers all competing for space in the engine bay. Engine cooling fans can be driven directly by shaft or belt or hydraulic drives.

Military Vehicle Fan Applications

Inquire at: <https://daesystemsnc.com>

email: cs@daesyst.com Phone: US +1-828 548-3192 _ UK +44 (0)7586 809 151