

## Blazer generator as fan

Can a radiator fan be turned into a generator?

I was wondering if it was possible to grab a car radiator fan (which has a 12V DC motor), face it into the wind, and turn the motor into a generator. All well and good in theory. But most if not all modern radiator motors lack permanent magnets so that when you spin the fan, nothing is generated except a light sweat.

Can a fan be used as a generator?

Taking apart such a motor would likely allow one to make a generator, though I doubt it could produce much power. Mains-powered fans often use a different style of brushless motor which won't work well as a generator unless there's already AC voltage present.

Can a DC fan be used as a generator?

DC-powered fans often use a brushless permanent-magnet motor along with some control electronics. The motor itself could act as a generator, but the electronics generally won't allow any power the motor could generate to escape. Taking apart such a motor would likely allow one to make a generator, though I doubt it could produce much power.

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