

## HOVERTOON™ Lift Fan Kit

Below: A Full-scale aluminum 33.5 inch by 14 inch 12-airfoil Lift Fan kit assembled:



Two of these fans on a 22 x 8.5 foot test-bed are currently lifting 5000 pounds with a 22hp gas engine at 90% throttle with the counter rotating fans turning at 1080 RPM at lift-off using a centrifugal clutch and a single B belt. The 5000-pound goal was patterned after 22-foot pontoon fully loaded with motor, fuel, people and gear. A single fan has been tested up to 1350 rpm. With the 22 hp motor at maximum output, the two fans turn at 1200 rpm.

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