

THINGAP® ANNOUNCES:  
2" DIAMETER 400-WATT (0.5-HP) BRUSH MOTOR

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VENTURA, CALIFORNIA – FEBRUARY 15, 2008 – ThinGap LLC, the leader in high power density DC motors, today announced the TGB2013 brush motor that delivers extremely high shaft output power from a very small package. The high power-to-size ratio and long-lasting brush life of the TGB 2013 motor provides a superior solution for hand-held and battery-powered devices and machines.

“The TGB 2013 brush motor is prime example of the benefits of ThinGap’s innovative ironless-core motor technology,” said Rean Pretorius, CEO, ThinGap LLC. “We are providing cutting-edge solutions for battery-powered applications requiring high power density coupled with extended life.”

The small package – 2.0" diameter by 3.87" long – weighs only 34 oz. It delivers 400 watts (0.5 HP) of continuous shaft power with a maximum efficiency of 86%. At 18-volts the motor runs at 13,400 rpm producing 40 oz-in of torque while drawing 26 amps. The linearity between torque and current allows a very high peak torque of 240 oz-in. The low inductance architecture of the motor permits faster current reversal at the commutation point, which reduces brush arcing and drastically improves brush life expectancy.

For the full specs on the TGB 2013, please visit: <http://www.thingap.com/pdf/tgb2013ss.pdf>

For more information about ThinGap LLC and its products, please visit <http://www.ThinGap.com>.

**About ThinGap**

ThinGap LLC designs and manufactures an innovative line of standard and custom brushless and brush motors for applications that require high power, efficiency, low weight, and small package size. The technology helps OEM’s innovate more powerful, efficient, responsive, controllable and precise products not possible with the use of conventional motors.

Since its first production motor was introduced in 2000, ThinGap has developed a complete line of brush and NEMA 23 brushless motors for medical industry applications and such industrial applications as handheld power tools and fan/blower/compressor motors.

ThinGap’s technology allows high copper-packing density and higher copper-to-total stator-volume ratio than motors with conventional wire windings. By replacing the iron core/laminations and wire windings used by conventional motors with a precision thin copper sheet, the motors provide higher power-to-weight ratios, a wider range of speed and torque capabilities, improved heat dissipation and lower electrical resistance. ThinGap has been granted seven patents and has twenty-six patents pending.