



CS1000 Brushless DC Motor 550 Watts

Many vendors sell these as Industrial Sewing Machine motors. I wanted to use one to power a small lathe but I needed dimensions to determine how to mount it. The only way to accomplish that was to actually get one in hand. The distinctive attributes for this particular model are the square nose plate, the 200-4500 RPM rating, the 550 watts power rating and 110 Volt AC (via the digital controller).

Drawn without paddle fan, fan guard, controller and 65mm V-belt pulley. Weight is just under four pounds. The actual measured speed is 200-5000 RPM (with lots of torque). Now don't anybody go betting the farm on these dimensions. I am half blind, old and senile. There was a lot of guess work especially for the cross section.

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Unless otherwise noted all dimensions are in millimeters [inches].

