**Bearing Type**
Ball Bearings

**Material**
Impeller: Plastic (UL 94V-0)
Frame: Die-cast Aluminum

**Lead Wires:**
UL 1061 AWG #24 OR Equivalent
Red Wire Positive(*)
Black Wire Negative(-)
Blue Wire (F00)
Yellow Wire Speed Control (PWM)

**Weight:** 75g (4.237 oz)

### Specifications

#### Dimensions

- **OUTLET SIDE**
  - 40.0±0.5 mm (1.575±0.020"
  - 32.0±0.3 mm (1.260±0.012"
  - 8-Ø3.5±0.3 mm (8-0.138±0.012"
  - 335.0±10.0 mm (13.188±0.394"
  - 10.0(0.394"

- **INLET SIDE**
  - 32.0±0.3 mm (1.260±0.012"
  - 28.0±0.5 mm (1.102±0.020"

#### P & Q Curve (At Rated Voltage)

<table>
<thead>
<tr>
<th>Model</th>
<th>THA0412BN</th>
<th>PWM / F00</th>
<th>12</th>
<th>7 to 13.2</th>
<th>0.89</th>
<th>10.68</th>
<th>19000</th>
<th>0.836</th>
<th>29.52</th>
<th>61.06</th>
<th>2.404</th>
<th>59.0</th>
</tr>
</thead>
</table>

* Function type is optional.
* The max. air flow and the speed are measured in free air; max. air pressure is measured at zero air flow.
* Noise is measured in anechoic chamber in free air, one meter from intake side.
* All readings are typical values at rated voltage.
* Specifications are subject to change without notice.