# procool *AV Cooling Solutions* Model **SXT80**



| SXT80 Specifications | |
|---|---|
| Rated Voltage | 12.0 vDC |
| Voltage Range | 10.2~13.8 vDC |
| Rated Current | 0.17 A |
| Rated Power | 2.04 w |
| Rated Speed | <1200-2400 RPM |
| Airflow | <14-32 CFM |
| Static Pressure | <2.52 mm H$^2$O |
| Noise Level, 1m, xyz axes avg | <6-14 dBA |
| Noise Level, 1m, z axis | <6-17 dBA |
| Operating Temperature | -10°/+70° C |
| Storage Temperature | -40°/+80° C |
| Bearing | Fluid Dynamic |
| Weight | 2.8 oz |

| MTBF Hours | |
|---|---|
| Temperature | L10 |
| 30° C | 114223 |
| 40° C | 64072 |
| 50° C | 37224 |
| 60° C | 22336 |
| 70° C | 14012 |

## Pressure Curve
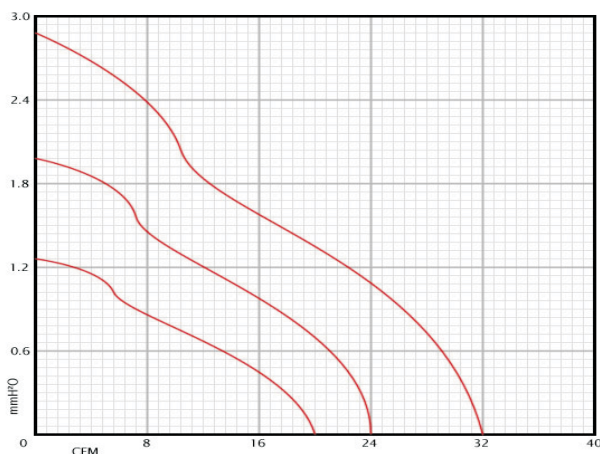


**RoHS Certificate of Compliance:**

As of February 2, 2006
This "RoHS Certificate" provides information regarding the absence of certain substances in the Fan model listed on this document.
The models identified below are in compliance with the European Union
Directive 2002/95/EC on the restriction of use of certain hazardous substances ("RoHS Directive"). The models do not contain any of the restricted
substances referred to in the European Union Commission Decision of August18, 2006 (2005/618/EC) in connection with Articles 4 and 5 of the RoHS
Directive in concentrations in excess of the values permitted thereunder.
For purposes of this RoHS Certificate, the maximum concentration values of the restricted substances by weight of homogeneous materials are:
hexavalent chromium 1,000 ppm
poly-brominated biphenyls (PBB's) 1,000 ppm
poly-brominated diphenyl ethers (PBDE's) 1,000 ppm
cadmium 100 ppm
mercury 1,000 ppm
lead 1,000 ppm

Conforms to CE - Reference 73/23/EEC Low Voltage Directive.
Fan housing and fan blade resin flammability conforms to class UL-94V-2.

*Specifications are subject to change without notice*

**Operation:**

Mount in desired location for optimal cooling. Intakes are best positioned lower or adjacent to equipment. Exhausts are best positioned at the top or above equipment.

Procool model SXT80 fans are Silent temperature controlled variable speed 80mm fans.
Speeds range from 1200 RPM idle start speed to 2400 RPM at full speed.

SXT80 fans have a thermal sensor that detects the temperature and tells the fan how fast to run. The sensor should be located on or near the heat source for optimal performance.

When the sensor detects heat above 77°F the fan speed will begin to increase. The fan will reach full speed of 2400 RPM at 104°F.



Procool fan model SXT80
Thermistor Speed Chart
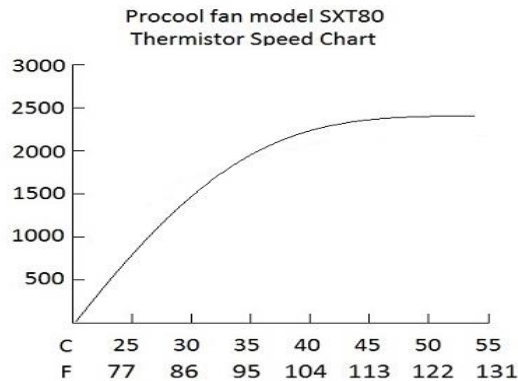
The position of the temp sensor is critical to the operation of the fan. For less responsive operation the sensors can be moved away from the heat source. The sensor acts as a fine-tuning adjustment for the responsiveness of the fan.

**Maintenance:**

Cleaning the fan is the best preventative maintenance. Cleaning frequency would depend on the environment. It is recommended that the blade be cleaned to prevent any buildup of dust. Canned air works well.

**Blade Removal:**

For cleaning and maintenance, the blade prop can be removed.

Grasp the blade prop and pull straight out of the fan body. Inspect the shaft and lubricate if needed. Any oil will work; light grease works best. Clean blade as needed with a dry cloth. Soap and water can be used if needed but should be thoroughly rinsed and dried before use. Reinstall the blade; when correctly installed the blade will snap into place. Cleaning and inspection of the blade shaft should be done annually for best performance.

**Warranty:**

3 Years from the date of purchase.