PROCOOL SXT80 FAN SERIES RACK MOUNT COOLING SYSTEMS

Intake Models: SXT280, SXT380, SXT480, SXT2280, SP280XT and SP480XT

Exhaust Models: SXT280-E, SXT380-E, SXT480-E, SXT2280-E, SP280XT-E and SP480XT-E

Model No.	SXT280, SXT280-E, *SP280XT, SP280XT-E	SXT380, SXT380-E	SXT480, SXT480-E	SXT2280, SXT2280-E *SP480XT, SP480XT-E
Panel Size:	2U (19"w x 3.5"h x 1.75”d)	2U (19"w x 3.5"h x 1.75”d)	2U (19"w x 3.5"h x 1.75”d)	2U (19"w x 3.5"h x 1.75”d)
Panel color/material:	Black/metal	Black/metal	Black/metal	Black/metal
Fan Size:	80mm x 80mm x 25mm	80mm x 80mm x 25mm	80mm x 80mm x 25mm	80mm x 80mm x 25mm
Number of Fans:	2	3	4	4
Fan Speed (per fan):	1200-2400 RPM	1200-2400 RPM	1200-2400 RPM	1200-2400 RPM
Air Flow Direction	INTAKE (*E = EXHAUST)	INTAKE (*E = EXHAUST)	INTAKE (*E = EXHAUST)	INTAKE (*E = EXHAUST)
Air Flow (combined):	28-64 CFM	42-96 CFM	56-128 CFM	56-128 CFM
Static Pressure (per fan):	2.52mm H^2O	2.52mm H^2O	2.52mm H^2O	2.52mm H^2O
Noise (combined):	9-17 dBA	11-19 dBA	12-20 dBA	12-20 dBA
Thermistor Probe length	24”	24”	24”	24”
Grills/Guards:	Black Wire	Black Wire	Black Wire	Black Wire
Bearings:	Fluid Dynamic	Fluid Dynamic	Fluid Dynamic	Fluid Dynamic
Power Supply:	100-240 VAC - 12 VDC	100-240 VAC - 12 VDC	100-240 VAC - 12 VDC	100-240 VAC - 12 VDC
Power Supply Plug:	NEMA 1-15 – 2.1mm	NEMA 1-15 – 2.1mm	NEMA 1-15 – 2.1mm	NEMA 1-15 – 2.1mm
Power Supply Cable:	36"	36"	36"	36"
Current draw:	0.34A	0.51A	0.68A	0.68A
Power consumption:	4.08w	6.12w	8.16w	8.16w
Weight	2 lbs.	2 lbs.	2 lbs.	2 lbs.
Operating Temperature	-10°/+70° C	-10°/+70° C	-10°/+70° C	-10°/+70° C
Storage Temperature	-40°/+80° C	-40°/+80° C	-40°/+80° C	-40°/+80° C
				

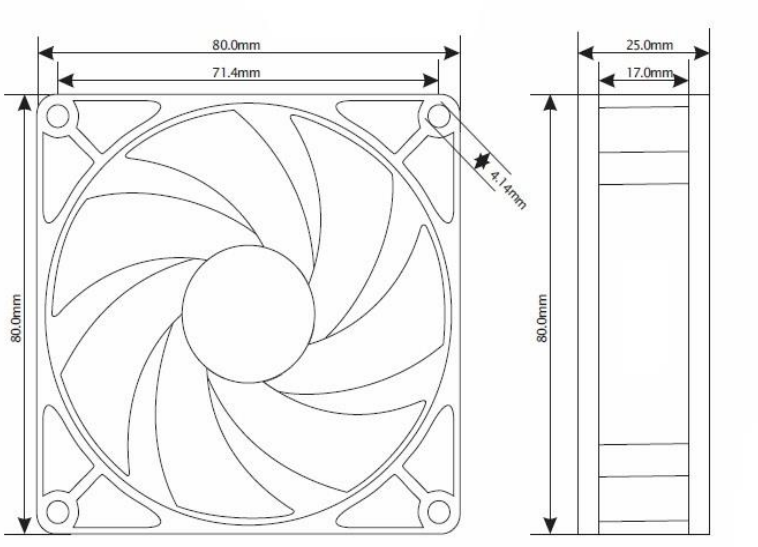
- Specifications are subject to change without notice.

Model SXT80 Thermistor Fan

Procool model SXT80: Temperature controlled variable speed 80mm x 25mm fans. Each fan has a temp sensor (thermistor) that should be located on or near the heat source. The sensor tells the fan how fast to run. The fan will automatically start at about 77°F and run at low speed of 1200 RPM. As temperature increases the fan speed will increase. The fan reaches full speed of 2400 RPM at about 104°F Likewise, the fan will decrease in speed as the temp drops and will shut off when the temp falls below 77°F.

procool AV Cooling Solutions

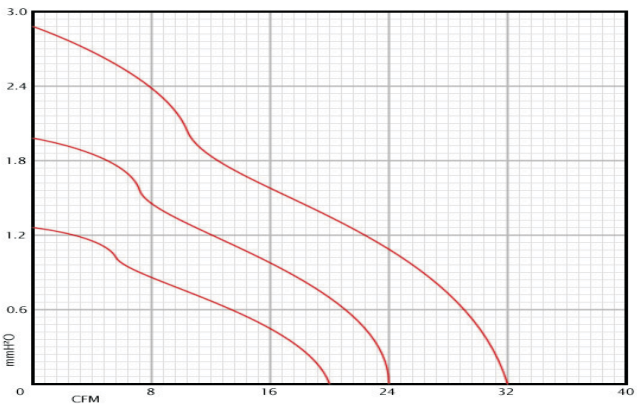
SXT series



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^2O
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:

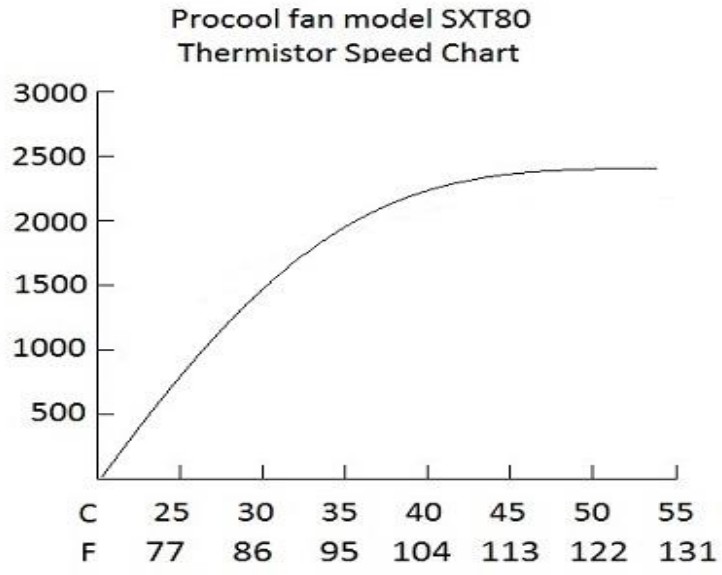
As of February 2, 2006
This "RoHS Certificate" provides information regarding the absence of certain substances in the Fan model listed on this document.
The models identified below are in compliance with the European Union
Directive 2002/95/EC on the restriction of use of certain hazardous substances ("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.

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.

Locate the temperature sensors (thermistors) on or near the heat source. The sensor tells the fan the temperature and will automatically start the fan at 77°F and run at the start speed of 1200 RPM. As temperature increases the fan speed will increase. The fan reaches full speed of 2400 RPM at about 104°F. Likewise, the fan will decrease in speed as the temp drops and will shut off when the temp falls below 77°F. This is illustrated in the fan 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 properly installed the blade will snap into place. Cleaning and inspection of the blade shaft should be done annually for best performance.

Warranty:

2 Years from the date of purchase.