

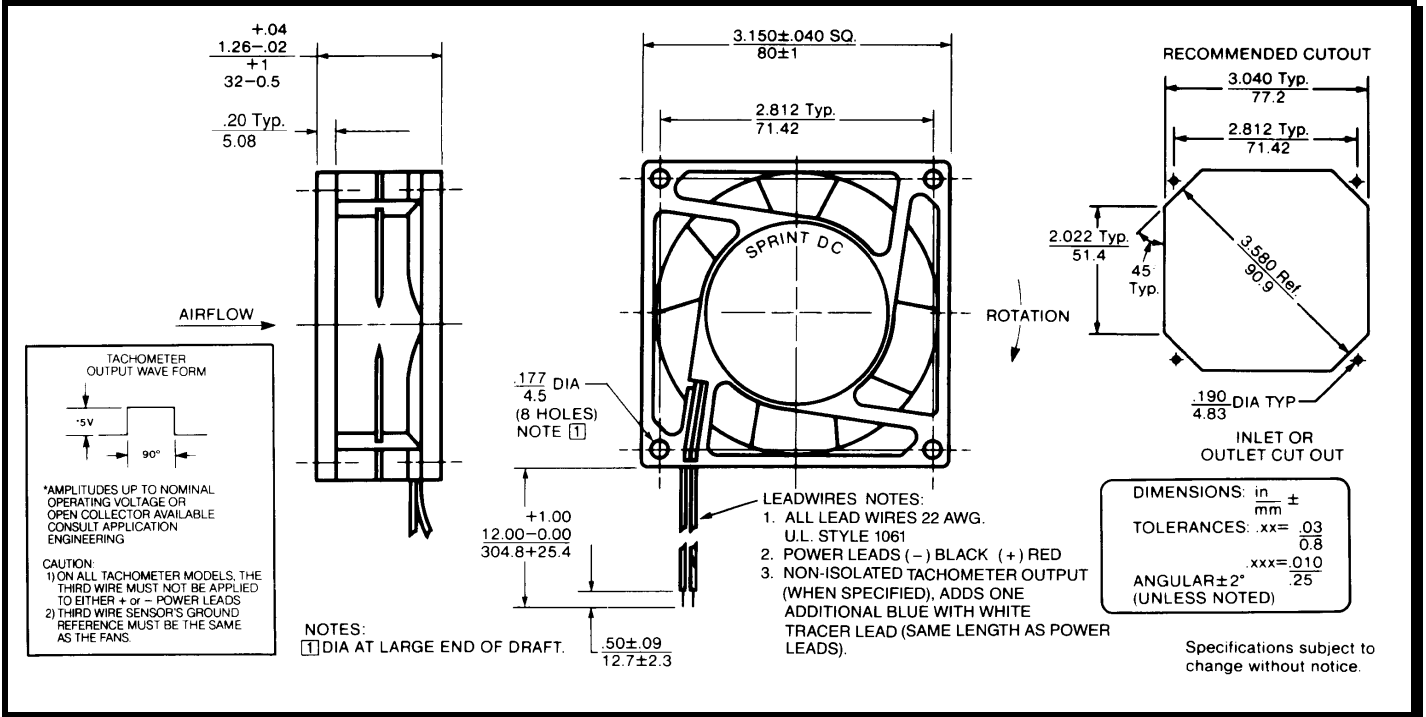
# SPECIFICATIONS



**Model Number** ST12K7  
**Part Number:** 19031530A

**Version:** 01  
**Jan. 18, 2018**

## Mechanical Drawing:



### Motor:

Nominal Voltage = 12 vdc  
 Operating Voltage Range = 6 - 14 vdc  
 Nominal Running Current = 0.38amps  
 Max. Locked Rotor Current = 1.0 amps  
 Running Power = 4.6watts  
 Average Speed = 4200 RPM  
 Bearings = Ball  
 Air Flow = 38 CFM  
 Acoustic = 44.2 dBA

### Construction:

Venturi: Plastic, Black, UL94V-0.  
 Propeller: Polypropylene, Black, UL94V-0

### Agency Approvals:

UL, CUL CE

### Life Expectancy:

This fan is designed for continuous duty life of 45,000 hours at 70°C.

### Additional Features:

Brushless DC Motor  
 Locked Rotor Protected  
 Automatic Restart Capability  
 Polarity Protected  
 Operating Temperature: -10°C to 70°C  
 Storage Temperature: -40°C to 85°C

### Tachometer:

Output: 5 VDC TTL  
 I<sub>c</sub>: 10 mA Typical  
 Pulses per Revolution: 2  
 Isolated: No

### Termination:

12" Lead wires, 22 AWG, UL 1061  
 Red = Power (+)  
 Black = Return (-)  
 Blue/White = Tachometer

PQ Curve:

