



Rotron Technical Products  
KENT, OHIO 44240

**BLOWER  
TEST SPECIFICATION**

ENG SPEC. **15-117459-05**

**A**  
SHEET 1 OF 1

**1. INLET VACUUM:**

- 1.1 TEST POT WITH A 5/8" ORIFICE.
- 1.2 PER TEST PROCEDURE E-51
- 1.3 MINIMUM VACUUM 35.0" H<sub>2</sub>O AT S.T.P.
- 1.4 240 VAC ±3VAC, 60 HZ. POWER TO THE BLOWER
- 1.5 10 VDC ± .1VDC ON SPEED CONTROL
- 1.6 CURRENT 4.0 AMP. MAX. AT S.T.P./ (SEE TEST PROCEDURE)
- 1.7 POWER 600 WATTS MAX. AT S.T.P. (E-22.1)
- 1.8 SPEED 11,000 RPM MINIMUM

**2 VIBRATION CHECK:**

- 2.1 SPEED APPROXIMATELY 12,000 RPM.
- 2.2 PER TEST PROCEDURE 24.2.
- 2.3 LIMIT 0.10 MIL. MAX. DISPLACEMENT
  - 2.3.1 CHECKED WITH WIDE OPEN CONDITION PER E-65.4
  - 2.3.2 ALLOWABLE PROBE MOVEMENT ± 2° PERPENDICULAR TO SHAFT.

**3. ANY ABNORMAL NOISE SHALL BE CAUSE FOR REJECTION:**

- 3.1 MOTOR NOISE
  - 3.1.1 BEARING NOISE
  - 3.1.2 ROTOR STRIKE
- 3.2 FAN NOISE
  - 3.2.1 FAN STRIKE
  - 3.2.2 RATTLE (LOOSE ASSEMBLY OF FAN PARTS)

**4. DIELECTRIC TEST**

- 4.1 PER E-64.10.

**5. 2 HOUR "BURN IN" WITH A 2 MINUTE ON AND 1 MINUTE OFF CYCLE REQUIRED OF BLOWERS PRIOR TO SHIPPING.**

ISSUED BY: A. MOORE	DATE: 9/21/01	REV. A	REV	REV.
APPROVED BY:	DATE:	ECN 58742	ECN	ECN



Technical & Industrial Products  
KENT, OHIO 44240

**BLOWER  
TEST SPECIFICATION**

ENG SPEC. **15-117459-55**

**A**  
SHEET 1 OF 1

**1. INLET VACUUM:**

- 1.1 TEST POT WITH A 5/8" ORIFICE.
- 1.2 PER TEST PROCEDURE E-51
- 1.3 MINIMUM VACUUM 35.0" H<sub>2</sub>O AT S.T.P.
- 1.4 240 VAC ±3VAC, 60 HZ. POWER TO THE BLOWER
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**4. DIELECTRIC TEST**

- 4.1 PER E-64.10.

**5. 2 HOUR "BURN IN" WITH A 2 MINUTE ON AND 1 MINUTE OFF CYCLE REQUIRED OF BLOWERS PRIOR TO SHIPPING.**

ISSUED BY: B.FRIEDLER	DATE: 4-20-06	REV. A	REV	REV.
APPROVED BY: W. ANSTINE	DATE: 4-26-06	ECN 65315	ECN	ECN