

CP 5003 BI-LOBE BLOWER PRESSURE CURVE

0.132 CFR DISPL

Finding Operating Results:

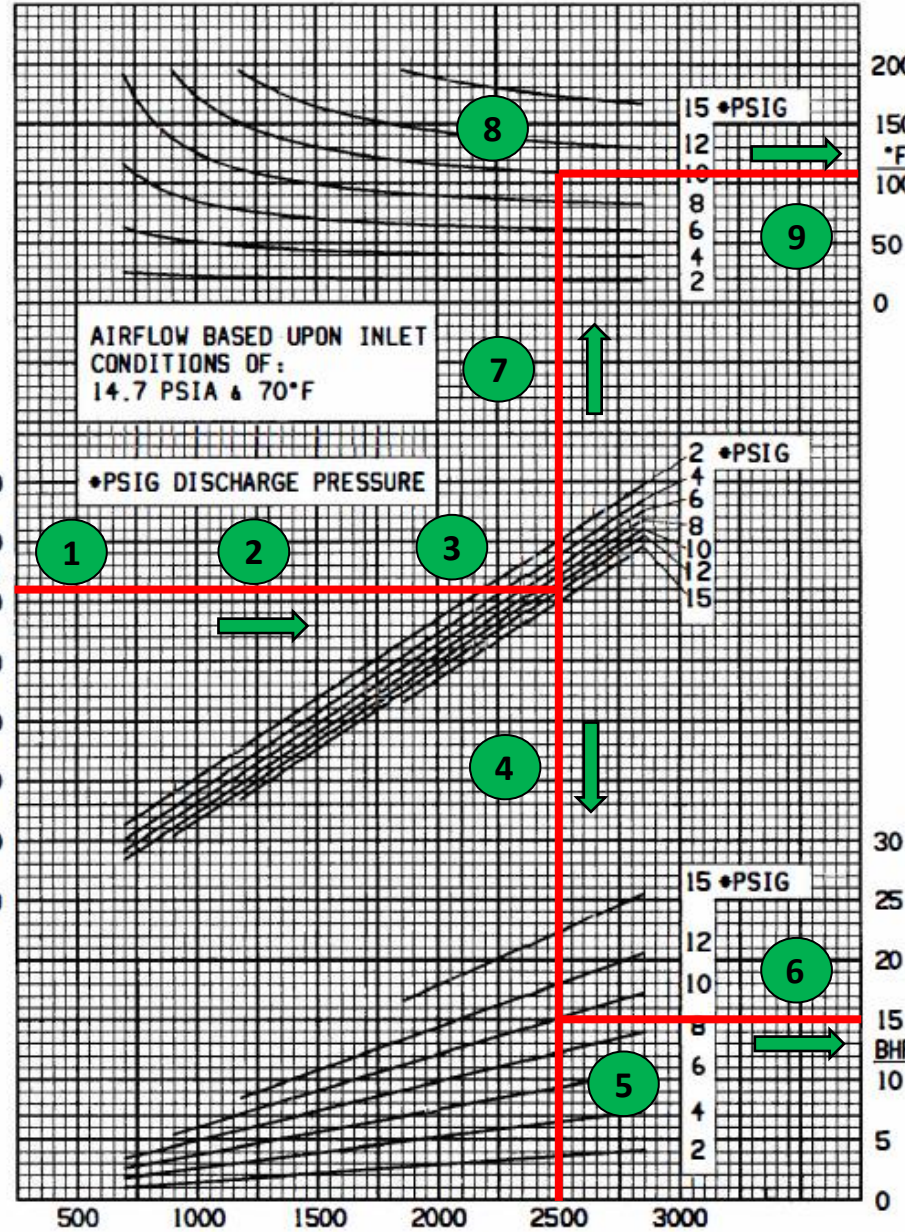
1. Select calculated ICFM
2. Traverse right to pressure curve
3. Intercept at blower discharge pressure
4. Traverse down to HP curves
5. Intercept at blower discharge pressure
6. Traverse right to Brake HP result
7. At point 3 traverse up to temperature rise curve
8. Intercept at blower discharge pressure
9. Traverse right to temperature rise result

260 ICFM flow

TEMPERATURE RISE

INLET AIRFLOW, CFM

INPUT POWER, HP



110°F temp rise

Discharge temp =
70°F + 110°F = 180°F

10 PSIG discharge pressure

15 BHP required

SPEED, RPM Blower @2500 RPM