

INDUSTRIAL fans

Backward Incline Blowers

Avani offers multiple sizes of backward inclined blowers (BI) AMCA class II, III, IV construction. BI blowers are an excellent choice for centrifugal fan applications that require high volumes of air and pressures. Both direct drive and belt drive fans are available. Aluminum and stainless steel construction are also available.



Performance Range:

Capabilities up to 50,000CFM and 25" SPWG
Air stream temperatures up to 200°F (93°C)
for standard models

High temperature construction offered up to
750°F (398°C)

Optional Accessories:

- Outlet damper
- Belt and/or shaft guard
- Inspection door
- Shaft Seal
- Drain Connection
- Inlet & outlet flanges

Optional Arrangements & Fans



Arrangement 1 (V-Belt Drive)

- Motor not mounted on bearing base
- Wheel mounted on fan shaft with two pillow block bearings
- Maximum temperature of standard design: 300° (149°C)
- high temperature designs up to 750°F (398°C)



Arrangement 4 (Direct Drive)

- Motor mounted on motor base
- Wheel mounted on motor shaft
- Maximum temperature of standard design: 200° (93°C)
- high temperature designs not available



Duct Fans

- Use for paint spray booth exhaust, duct booster and general ventilation
- Capacities to 44,5000 CFM
- Cast aluminum, spark resistant propellers



Arrangement 9 (V-Belt Drive)

- Motor mounted on adjustable slide base on the side of the bearing base
- Wheel mounted on fan shaft with two pillow block bearings
- Maximum temperature of standard design: 300° (149°C)
- High temperature designs up to 750°F (398°C)



Propeller Fans

- Use for general ventilation
- Capacities to 38,650 CFM
- Heavy wall pipe supports bearing and motor base
- Belt or direct drive



CPF & CPAF Plug Fans

- Use for ovens, dryers or dust collectors with or without fan housing
- Available with backward inclined or airfoil wheels
- AMCA Class II, III, IV construction
- Capacities to 26,890 CFM
- Arrangements 4 and 9