

BACKWARD INCLINED & AIRFOIL CENTRIFUGAL FANS

One of the most popular choices of IAP products fulfilling many industrial performance requirements with high efficiencies at economical prices.



Backward Inclined (Type 'B') and Airfoil (Type 'A') fans utilize the same continuously welded heavy gauge housings, spun inlet cones & wheel shrouds, plate steel pedestals and structural steel bases. This attention to robust construction is coupled with engineered blade profiles and housing scrolls for highly efficient air movement at low to moderate pressures. Both fan types are available in single (SWSI) and double (DWDI) width and inlet.

ARRANGEMENT 3 SWSI ON UNITARY BASE

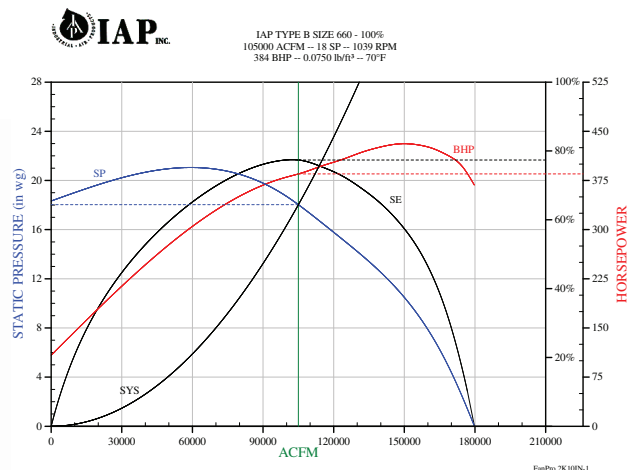


ARRANGEMENT 1 SWSI ON UNITARY BASE WITH NESTED VIV

TYPE B & A centrifugal fans are non-overloading and suited for a wide range of industrial applications which include: VENTILATION SUPPLY & RETURN AIR, CLEAN SIDE DUST COLLECTION, SPRAY DRYERS, COMBUSTION AIR SUPPLY, FILTRATION, POLLUTION CONTROL, & FUME EXHAUST.



Type B SWSI fans are licensed to bear the AMCA seal for Air Performance. Ratings are based on tests and procedures performed in accordance with AMCA publication 211 and comply with the AMCA certified ratings program.





TYPE B

BOTH BACKWARD INCLINED AND AIRFOIL FANS ARE NON-OVERLOADING TO FREE DELIVERY.

Each wheel type has backward sloping blades that are recognized as the most efficient blade orientation in the industry. These highly efficient wheel designs reduce energy consumption and have significantly lower noise levels than other fan types.



TYPE A



Arrangement 1 size 365 (above, left) 36,000 ACFM dust collection fan on unitary base with motor and v-belt drive. Installed DWDI Tunnel Exhaust Fan (above, right) size 660 94,000 ACFM exhaust fan with inlet boxes, damper, actuator and inlet & outlet expansion joints.



No matter how big or small, all IAP fans go through rigorous checks, continuous quality management, static & dynamic wheel balance, proper assembly alignment checks, drive train trim balance, & proper final coating mil thickness.