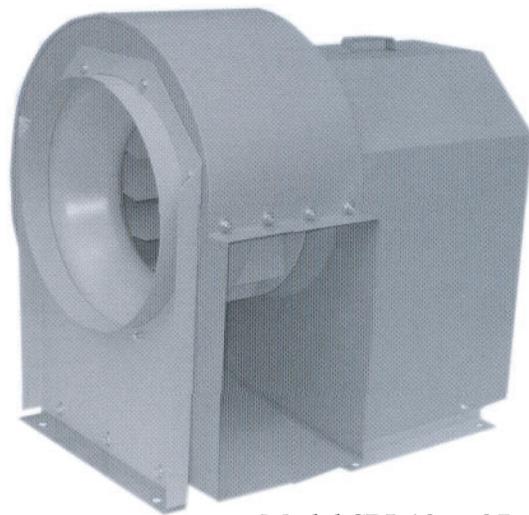
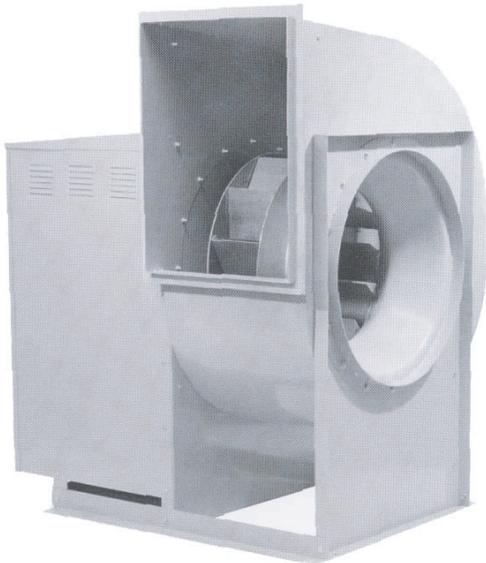


Model SBI-9 & 10



Model SBI-12 to 27



Model SBI-30 to 36

Breathe Easier...
Breathe Better!

www.sourcetecindustries.com

The future is clean air ... the future is *Sourcetec*[®]

Sourcetec Belt Drive "SBI" Series Fan



Vibration Isolator
Designed to provide even distribution of weight.



Inlet & Outlet Screens
Prevent entrance of birds or debris and provide protection of personnel.

USE:

Sourcetec SBI blowers are belt driven, and are equipped with backward inclined wheels. The backward inclined wheels feature a non overloading characteristic. The SBI blowers are used in a low to medium pressure range.

APPLICATION:

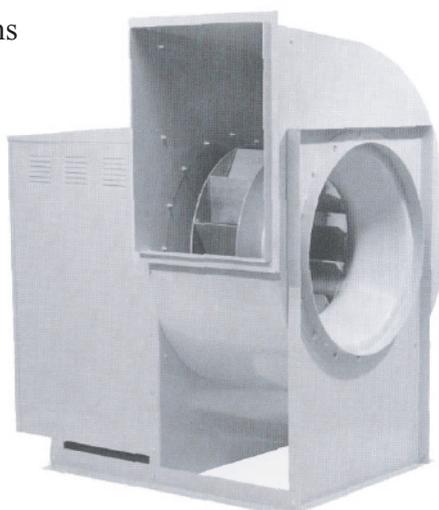
- ✓ Industrial application for exhaust systems
- ✓ Extraction of fairly dusty air
- ✓ Supplying air for cooling applications
- ✓ Exhausting fumes and vapours

CONSTRUCTION:

The blower is fabricated from 16 ga. steel or heavier. It comes complete with cover for protection against accidental injury. If necessary, the unit is easily serviced by removing the top or the side cover. The SBI blower is weather proof, and it is supplied with backed enamel coating. Unit is equipped with sealed ball bearings for continuous service.

ACCESSORIES:

- Al wheel for spark resistant
- Clean out door
- Special epoxy coating for chemical or high heat application
- Drain
- Isolators & Vibration Rails
- On/Off switches with controls
- Gravity Damper
- Inlet Control Damper



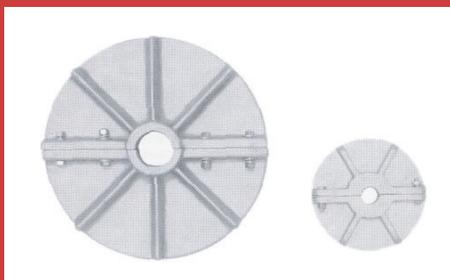
Model SBI-30 to 36

CAPACITIES:

Tested and rated in accordance with codes adopted by AMCA and ASHRAE.

ROTATION AND DISCHARGE:

The SBI series type can be easily installed in any of the eight standard discharge positions.



Heat Slinger
Designed to prevent over-heating for blowers handling air at temperatures over 250 degrees F



Automatic Backdraft Dampers
Designed to prevent reverse flow of air when blower is not operating

Sourcetec Belt Drive "SBI" Series Fan

Bearings

- ✓ Self-aligning ball bearing pillow blocks are provided on all models
- ✓ Eccentric collars securely lock the inner race to the shaft
- ✓ Pre-lubricated and sealed to retain lubricant and exclude dust and moisture
- ✓ Provide extended long life

Motor Base

- ✓ Sourcetec Motor Base is made with heavy gauge galvanized steel, pivoted at one end and supported at the other end by threaded rods for easy belt adjustment
- ✓ Hinge type construction insures that the motor shaft will remain parallel with the blower shaft when adjusting belt tension

Motors & Drives

- ✓ Standard motors are NEMA open-drip proof, available to match all requirements for HP, RPM and electrical power. TEFC, 2-speed and explosion proof motors are also available
- ✓ All Sourcetec SBI blowers with motors up to 10 HP are equipped with adjustable pitch motor pulleys
- ✓ 15 HP and larger are normally equipped with constant speed drives
- ✓ V-Belts supplied are rated to transmit 150% of motor horsepower and are oil resistant and static dissipating
- ✓ Factory installed motors and drives are carefully checked for smooth operation, and compliance with specifications for RPM amperage

Shaft

- ✓ Accurately machined from turned, ground and polished steel shafting
- ✓ Closely checked for diameter and straightness

Frame

- ✓ Sourcetec frames are made of heavy gauge, galvanized steel, all welded construction providing a rigid support for housing, motor, shaft and bearings

Wheel

- ✓ Designed to efficiently force air through the blower housing with backward inclined blades set at the proper angle to prevent overloading of the motor
- ✓ All sizes SBI-12 through SBI-36 are equipped with steel wheels as standard equipment and with aluminum wheels as optional equipment when AMCA type B spark resistant construction is specified
- ✓ Sizes SBI-9 and SBI-10 are equipped with aluminum wheels as standard equipment
- ✓ Wheels are dynamically balanced and are available in CW and CCW rotation

Housing

- ✓ Constructed of heavy gauge steel
- ✓ Available in eight discharge positions
- ✓ When ordered from factory, blower will be assembled in discharge position specified

Inlet Cone

- ✓ Sourcetec Inlet Cones are made of Spun steel construction, smoothly contoured to guide air into wheel with minimum turbulence
- ✓ Unobstructed inlet to provide quiet operation

Weather Cover

- ✓ Rust resistant galvanized steel construction protects the shaft, bearings, motor and drives from the weather
- ✓ Also serves as an OSHA approved belt guard

Standard Features

- | | | |
|---|---|--|
| <input type="checkbox"/> Baked Epoxy | <input type="checkbox"/> Rubber In Shear | <input type="checkbox"/> Back Draft Damper |
| <input type="checkbox"/> Baked Phenolic | <input type="checkbox"/> Ind. Spring Mounts | <input type="checkbox"/> Drain Fitting |
| <input type="checkbox"/> Inlet Screen | <input type="checkbox"/> Spring Rail Mounts | <input type="checkbox"/> Clean-Out Door |
| <input type="checkbox"/> Outlet Screen | <input type="checkbox"/> Roof Bracket | <input type="checkbox"/> Heat Slinger |
| | <input type="checkbox"/> Wall Bracket | |

Other Sourcetec Products



Roof Exhauster
For General Ventilation
Applications



Direct Drive Blower
Series DS



Industrial Blower
Series SIF



Pressure Blower
Series HRD-LRD



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