

Square Centrifugal Inline Fan, Product # BSQ-180-LMDX-QD, 1907-5414 CFM

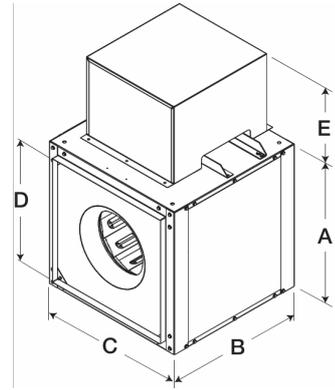


Model BSQ centrifugal inline fan features a unique combination of installation flexibility, rugged construction, ease of service, high efficiency and low sound levels. These compact fans are the ideal selection for indoor clean air applications including intake, exhaust, return or make-up air.

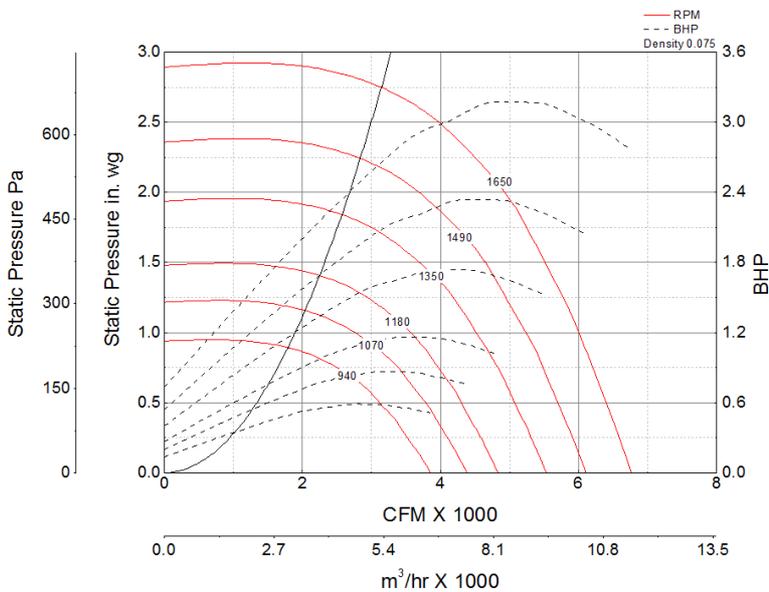
- 23.875 x 23.875 inch inlet width x height
- 23.875 x 23.875 inch outlet width x height
- Multiple motor and drive options available to meet any performance and application need

Certifications

AMCA Sound & Air
UL/cUL 705



Performance Characteristics



Note: The maximum FRPM for each motor horsepower is shown. For additional performance ranges available for this fan, refer to the performance table.

Construction Features

| | |
|---------------------------|---------------------------|
| Drive Type | Belt Drive |
| Impeller Type | Centrifugal Wheel |
| Impeller Material | Aluminum |
| Housing Material | Galvanized Steel |
| Includes | Motor cover |
| Certifications | AMCA Sound & Air |
| Certifications | UL/cUL 705 |
| Drive Package Description | No drive package included |

Motor Information

| | |
|----------------|----|
| Motor Included | No |
|----------------|----|

Air and Sound Performance

| Motor HP | Max BHP | Max Fan RPM | Min Fan RPM | Ps (in. wg) | 0 | 0.125 | 0.25 | 0.375 | 0.5 | 0.625 | 0.75 | 0.875 | 1 | 1.25 | 1.5 | 1.75 | 2 | 2.25 | 2.5 |
|----------|---------|-------------|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2 | 0.16 | 610 | 590 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 1/2 | 0.31 | 760 | 610 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 1/2 | 0.59 | 940 | 760 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 3/4 | 0.45 | 860 | 710 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 3/4 | 0.86 | 1070 | 860 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 1 | 0.60 | 950 | 760 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 1 | 1.16 | 1180 | 950 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 1 1/2 | 0.89 | 1080 | 890 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 1 1/2 | 1.74 | 1350 | 1080 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 2 | 1.22 | 1200 | 1030 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 2 | 2.33 | 1490 | 1200 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 3 | 1.62 | 1320 | 1180 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |
| 3 | 3.17 | 1650 | 1320 | CFM | 2,502 | 2,244 | 1,907 | 2,406 | 1,973 | 2,858 | 2,491 | 1,909 | 2,750 | 2,925 | 3,689 | 2,985 | 3,674 | 4,491 | 3,949 |
| | | | | Sones | 8 | 7.4 | 7.4 | 10 | 9.2 | 12.1 | 11.6 | 11.1 | 13.6 | 14.8 | 17.8 | 16.8 | 19.7 | 24 | 23 |



- Greenheck Fan Corporation certifies that the model shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.
- Performance certified is for installation type B: Free inlet, Ducted outlet.
- Power rating (BHP/kW) includes transmission losses.
- Performance ratings do not include the effects of appurtenances (accessories).
- The inlet sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type B: free inlet hemispherical sone levels.