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# Exhaust Fan

## Forward & Backward Curved

## Utility Type

# General Description

## Features

TAHVIEH provides a wide range of utility type exhaust fans for different air volume flows and static pressures. This allows the designer to select the best and the most economic size for optimized operation

## Construction Specification

### Fan

TAHVIEH utility type exhaust fans are available in both forward and backward curved blades, specially designed for maximum efficiency and low noise operation.
In forward curved fans, wheel and housing shall be constructed from galvanized steel sheet.
In backward curved fans, the wheels are made of mild steel, which is coated with proper layer of epoxy painting and the housing is made of galvanized sheet of proper thickness.
All fans are statically and dynamically balanced and tested according to AMCA Standard 210-99.
All forward curved fans are equipped with adjustable stay rods for maximum rigidity and preventing from accidental deformation. Stay rods are factory adjusted during balancing procedure.
All fans are equipped with a circular flange and a mesh screen at air outlet to prevent external objects from entering when the fan is off.
All fans can be manufactured to become anti spark, anti corrosion, explosion proof, and suitable for operation at high temperatures upon request.

### Shaft , Pulley & Belt

Shafts are turned, ground and polished from CK 45 carbon steel and coated with synthetic material to be protected against humid air.
Pulleys are made of aluminum to reduce the weight of units and the load on the shaft and bearing.
High Quality V Type belts are used in the units.

### Frame

Frame shall be made of steel angular bars. To protect against corrosion, all external parts shall be covered with Epoxy Zinc-Rich Coating.
All units are provided with rubber vibration isolator.

### Bearing

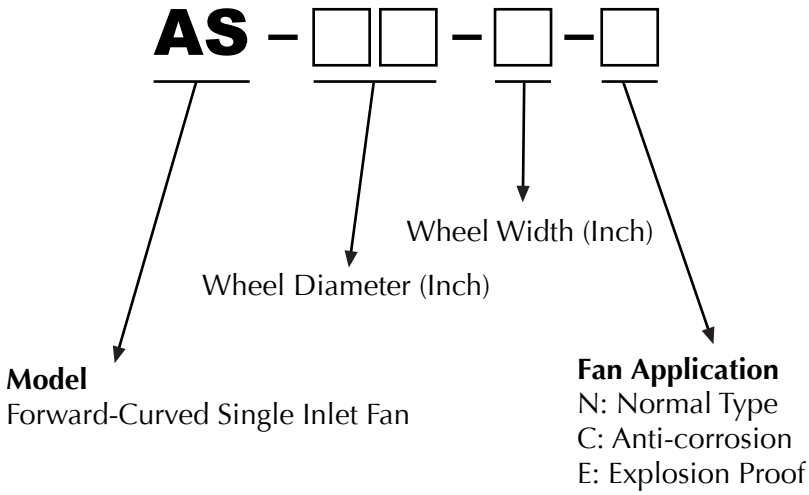
Bearings are of self-aligning type with cast iron housing and grease fitting to secure full performance and longer service life.
Bearings shall be double-sealed with a combination of heat resistant oil-proof synthetic rubber and steel slinger.

### Electric Motors

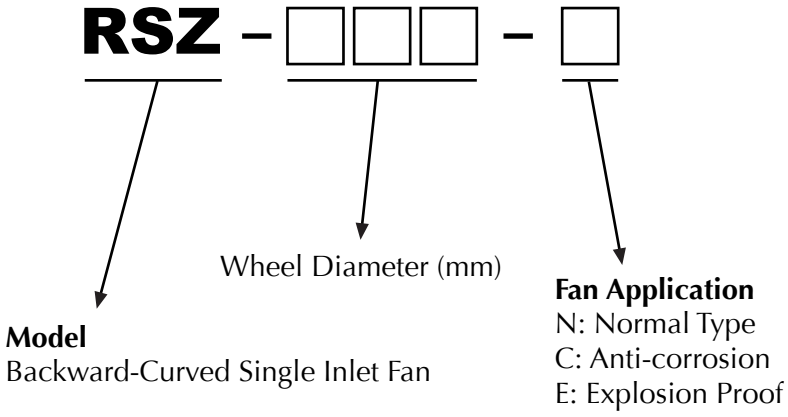
All electric motors are of IP 54 protection and class F insulation. Other IPs are also available upon request. Electric motors up to 1 hp are available both in one and three phase types. Those above 1 hp will only be offered in three phase type.

# Model Nomenclature

Example for Forward Curved Fans: AS 18 - 6 - N




Example for Backward Curved Fans: RSZ 450 - N



## Selection Procedure

The following 4-step procedure is recommended for unit selection:

### 1. Establish system parameters:

A. Altitude & air temperature
B. Air volume flow
C. External static pressure
D. Outlet air status (Free outlet / Ducted outlet).
**Note:**
Free outlet means, there is not any connecting duct or obstruction in the outlet of fan.
Duct outlet means, there is a connecting duct in the outlet of the fan.

### 2. Correct static pressure:

Turn to altitude & air temperature, obtain correction factor for air density from figure-1 (page 4). Calculate static pressure at sea level by dividing the static pressure at altitude by the air density ratio.
Also modify static pressure for free outlet status from the following formula and table-1 (page 4).
$ESP = TSP_m - A - (CFM)^2 - 10^{-8} - CF$
TSPm: Modified external static pressure (in rating table)
ESP: External static pressure
A: Factor from table-1
CF: Correction factor from figure-1
**Note:**
For ducted outlet status $ESP = TSP_m$

### 3. Select unit size from tables:

Refer to rating tables, select unit size with respect to the appropriate noise level and fan RPM.

### 4. Determine the dimensional data and weight of the selected unit.

**Note:**
1. Mentioned noise levels are sound power levels.
2. Motor powers are calculated by multiplying the fan break horse power (BHP) by a factor of 1.44, which accounts for the belt and pulley friction loss and also acts as a safety factor.
3. All the tabulated data are at sea level, based on free outlet configuration.

## Example 1:

### 1. Select a utility exhaust fan according to the following system parameters:

A. Altitude 0 ft above sea level with an air temperature 70 F.
B. Air volume flow 1000 CFM
C. Static pressure 1.1 in.w.g.
D. Free outlet configuration.

### 2. Correct static pressure:

According to figure-1 the air density ratio is determined to be 1 and static pressure to be 1.1 / 1.0 = 1.1 in.w.g.

### 3. Select unit size from tables:

Turn to 1000 CFM air flow and 1.1 in.w.g. static pressure (interpolation is allowed in the tables), six forward curved and five backward curved models can be selected. Due to the fan noise level and fan speed, the best choice is AS 12 -6, with a noise level 71.9 dbA, a fan speed of 905 rpm and a fan power 0.75 HP.

### 4. Determine dimensional data and weight from pages 30 to 33.

## Example 2:

### 1. Select a utility exhaust fan according to the following system parameters:

A. Altitude 4000 ft above sea level and air temperature 100 F.
B. Air volume flow 1200 CFM.
C. Static pressure 1.5 in.w.g.
D. Ducted outlet configuration.

### 2. Correct static pressure:

According to figure-1 the air density ratio is determined to be 0.82 and external static pressure to be 1.5 / 0.82 = 1.83 in.w.g.

### 3. Select unit size from tables:

Turn to 1200 CFM air flow and 1.83 in.w.g. external static pressure (interpolation is allowed in the tables), four forward curved and five backward curved models can be selected.
Due to the fan noise level and fan speed, the best choice is determined to be AS 15-5, with a noise level 76 dbA, a fan speed of 963 rpm & fan power 1 HP.
Turn to ducted outlet configuration; modify fan external static pressure as following:
A = 0.927
CF= 0.82
$ESP = 1.83 - 0.927 - (1200)^2 - 10^{-8} - 0.82 = 1.819$ in.w.g.
Then the fan specifications are modified to be of a noise level of 76 dbA, fan speed of 952 rpm and a fan power of 1 HP.

### 4. Determine dimensional data and weight from pages 30 to 33.

# Available Sizes & Air Flow Range

## Forward Curved Fans (AS)*

| UNIT SIZE | AIR FLOW RANGE (CFM) |
|---|---|
| 9 - 3 | 200 to 1000 |
| 10 - 4 | 200 to 1300 |
| 10 - 5 | 200 to 1300 |
| 12 - 4 | 300 to 1800 |
| 12 - 6 | 600 to 2400 |
| 15 - 5 | 600 to 2600 |
| 15 - 7 | 800 to 3200 |
| 18 - 6 | 1000 to 3700 |
| 18 - 9 | 1000 to 4600 |
| 20 - 7 | 1400 to 4800 |
| 20 - 10 | 1600 to 5000 |
| 22 - 11 | 1800 to 6000 |
| 25 - 10 | 2600 to 8000 |
| 25 - 12 | 2800 to 8500 |
| 30 - 10 | 3000 to 11000 |
| 30 - 14 | 3400 to 12000 |

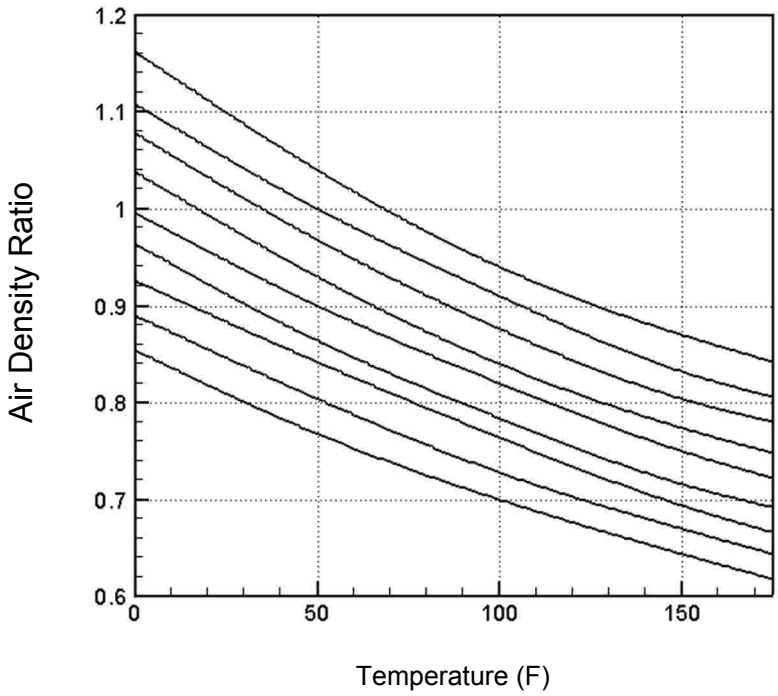
* For 0.2 to 3.0 in.w.g Static Pressure.

## Backward Curved Fans (RSZ)*

| UNIT SIZE | AIR FLOW RANGE (CFM) |
|---|---|
| 315 | 500 to 2400 |
| 400 | 800 to 3400 |
| 450 | 1000 to 4200 |
| 500 | 1400 to 5500 |
| 560 | 1600 to 7000 |
| 630 | 2000 to 8000 |
| 710 | 2000 to 10000 |
| 800 | 3500 to 13000 |
| 900 | 4000 to 18000 |

* For 0.5 to 6.0 in.w.g Static pressure.

## Figure - 1 Correction Factor




## Table-1 'A' Factor

| AS | 9 - 3 | 10 - 4 | 10 - 5 | 12 - 4 | 12 - 6 | 15 - 5 | 15 - 7 | 18 - 6 | 18 - 9 | 20 - 7 | 20 - 10 | 22 - 11 | 25 - 10 | 25 - 12 | 30 - 10 | 30 -14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A Factor | 0.57 | 3.25 | 2 | 1.56 | 0.9 | 0.93 | 0.54 | 0.41 | 0.23 | 0.25 | 0.14 | 0.11 | 0.1 | 0.06 | 0.05 | 0.03 |

| RSZ | 315 | 400 | 450 | 500 | 560 | 630 | 710 | 800 | 900 |
|---|---|---|---|---|---|---|---|---|---|
| A Factor | 10.4 | 3.94 | 2.45 | 1.59 | 1.01 | 0.65 | 0.4 | 0.25 | 0.16 |

# AS 9 - 3

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 200 | | | 250 | | | 300 | | | 350 | | | 400 | | | 500 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 51.6 | 473 | 0.75 | 53.4 | 1161 | 0.75 | 55.3 | 485 | 0.75 | 57.4 | 503 | 0.75 | 59.3 | 524 | 0.75 | 63.3 | 585 |
| 0.40 | 0.75 | 56.2 | 674 | 0.75 | 57.4 | 1472 | 0.75 | 58.8 | 668 | 0.75 | 60.2 | 668 | 0.75 | 61.7 | 678 | 0.75 | 64.9 | 711 |
| 0.60 | 0.75 | 59.2 | 825 | 0.75 | 60.4 | 1727 | 0.75 | 61.5 | 821 | 0.75 | 62.7 | 816 | 0.75 | 63.9 | 818 | 0.75 | 66.5 | 833 |
| 0.80 | -- | -- | -- | 0.75 | 62.7 | 1950 | 0.75 | 63.7 | 949 | 0.75 | 64.7 | 946 | 0.75 | 65.8 | 944 | 0.75 | 68.1 | 948 |
| 1.00 | -- | -- | -- | -- | -- | -- | 0.75 | 65.8 | 1064 | 0.75 | 66.5 | 1061 | 0.75 | 67.5 | 1058 | 0.75 | 69.5 | 1056 |
| 1.25 | -- | -- | -- | -- | -- | -- | 0.75 | 67.5 | 1193 | 0.75 | 68.4 | 1189 | 0.75 | 69.3 | 1185 | 0.75 | 71.1 | 1179 |
| 1.50 | -- | -- | -- | -- | -- | -- | 0.75 | 69.2 | 1308 | 0.75 | 70.1 | 1306 | 0.75 | 70.9 | 1301 | 0.75 | 72.6 | 1294 |
| 1.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 71.5 | 1411 | 0.75 | 72.3 | 1409 | 0.75 | 73.9 | 1401 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 72.8 | 1509 | 0.75 | 73.6 | 1508 | 0.75 | 75.1 | 1500 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 75.8 | 1688 | 0.75 | 77.3 | 1683 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 77.7 | 1849 | 0.75 | 79.1 | 1845 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 600 | | | 700 | | | 750 | | | 800 | | | 900 | | | 1000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 67.0 | 656 | 0.75 | 70.3 | 732 | 0.75 | 71.9 | 770 | 0.75 | 73.5 | 811 | 0.75 | 76.4 | 893 | 0.75 | 79.2 | 976 |
| 0.40 | 0.75 | 68.1 | 763 | 0.75 | 71.2 | 825 | 0.75 | 72.7 | 855 | 0.75 | 74.1 | 891 | 0.75 | 76.9 | 965 | 0.75 | 79.6 | 1041 |
| 0.60 | 0.75 | 69.3 | 868 | 0.75 | 72.1 | 915 | 0.75 | 73.5 | 941 | 0.75 | 74.8 | 971 | 0.75 | 77.5 | 1035 | 0.75 | 80.0 | 1106 |
| 0.80 | 0.75 | 70.5 | 969 | 0.75 | 73.0 | 1003 | 0.75 | 74.3 | 1023 | 0.75 | 75.5 | 1049 | 0.75 | 78.1 | 1106 | 0.75 | 80.5 | 1169 |
| 1.00 | 0.75 | 71.6 | 1065 | 0.75 | 73.9 | 1091 | 0.75 | 75.1 | 1106 | 0.75 | 76.3 | 1126 | 0.75 | 78.6 | 1175 | -- | -- | -- |
| 1.25 | 0.75 | 73.1 | 1183 | 0.75 | 75.1 | 1198 | 0.75 | 76.1 | 1205 | 0.75 | 77.2 | 1221 | 0.75 | 79.4 | 1262 | -- | -- | -- |
| 1.50 | 0.75 | 74.3 | 1292 | 0.75 | 76.2 | 1300 | 0.75 | 77.1 | 1303 | 0.75 | 78.1 | 1315 | 0.75 | 80.2 | 1347 | -- | -- | -- |
| 1.75 | 0.75 | 75.5 | 1395 | 0.75 | 77.2 | 1392 | 0.75 | 78.1 | 1398 | 0.75 | 79.0 | 1405 | -- | -- | -- | -- | -- | -- |
| 2.00 | 0.75 | 76.7 | 1494 | 0.75 | 78.2 | 1486 | 0.75 | 79.0 | 1487 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | 0.75 | 78.7 | 1674 | 0.75 | 80.1 | 1668 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | 0.75 | 80.4 | 1839 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 10 - 4

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 200 | | | 300 | | | 400 | | | 500 | | | 600 | | | 700 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 50.9 | 450 | 0.75 | 54.2 | 485 | 0.75 | 57.8 | 513 | 0.75 | 61.2 | 565 | 0.75 | 64.5 | 627 | 0.75 | 67.6 | 695 |
| 0.40 | 0.75 | 55.3 | 628 | 0.75 | 57.9 | 639 | 0.75 | 60.5 | 660 | 0.75 | 63.3 | 695 | 0.75 | 66.1 | 740 | 0.75 | 68.9 | 795 |
| 0.60 | -- | -- | -- | 0.75 | 60.6 | 774 | 0.75 | 62.8 | 789 | 0.75 | 65.3 | 813 | 0.75 | 67.7 | 846 | 0.75 | 70.1 | 890 |
| 0.80 | -- | -- | -- | 0.75 | 62.8 | 889 | 0.75 | 64.8 | 901 | 0.75 | 66.9 | 919 | 0.75 | 69.1 | 945 | 0.75 | 71.3 | 981 |
| 1.00 | -- | -- | -- | 0.75 | 64.6 | 990 | 0.75 | 66.5 | 1001 | 0.75 | 68.4 | 1017 | 0.75 | 70.4 | 1037 | 0.75 | 72.4 | 1067 |
| 1.25 | -- | -- | -- | -- | -- | -- | 0.75 | 68.3 | 1114 | 0.75 | 70.1 | 1127 | 0.75 | 71.9 | 1143 | 0.75 | 73.7 | 1167 |
| 1.50 | -- | -- | -- | -- | -- | -- | 0.75 | 69.9 | 1217 | 0.75 | 71.5 | 1227 | 0.75 | 73.3 | 1246 | 0.75 | 74.9 | 1261 |
| 1.75 | -- | -- | -- | -- | -- | -- | 0.75 | 71.3 | 1310 | 0.75 | 72.9 | 1322 | 0.75 | 74.4 | 1334 | 0.75 | 76.0 | 1351 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 74.1 | 1409 | 0.75 | 75.6 | 1420 | 0.75 | 77.1 | 1435 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 76.2 | 1568 | 0.75 | 77.5 | 1580 | 0.75 | 78.9 | 1591 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 78.0 | 1713 | 1.00 | 79.3 | 1723 | 1.00 | 80.6 | 1774 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 800 | | | 900 | | | 1000 | | | 1100 | | | 1200 | | | 1300 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 70.6 | 769 | 0.75 | 73.3 | 843 | 0.75 | 75.9 | 919 | 0.75 | 78.3 | 997 | 0.75 | 80.6 | 1076 | 1.00 | 82.8 | 1156 |
| 0.40 | 0.75 | 71.5 | 855 | 0.75 | 74.1 | 921 | 0.75 | 76.5 | 991 | 0.75 | 78.9 | 1063 | 0.75 | 81.1 | 1137 | 1.00 | 83.2 | 1212 |
| 0.60 | 0.75 | 72.5 | 941 | 0.75 | 74.9 | 999 | 0.75 | 77.2 | 1062 | 0.75 | 79.4 | 1128 | 1.00 | 81.6 | 1197 | 1.00 | 83.6 | 1267 |
| 0.80 | 0.75 | 73.5 | 1024 | 0.75 | 75.7 | 1074 | 0.75 | 77.9 | 1131 | 0.75 | 80.0 | 1191 | 1.00 | 82.1 | 1256 | -- | -- | -- |
| 1.00 | 0.75 | 74.5 | 1103 | 0.75 | 76.5 | 1147 | 0.75 | 78.6 | 1198 | 1.00 | 80.6 | 1254 | 1.00 | 82.6 | 1313 | -- | -- | -- |
| 1.25 | 0.75 | 75.6 | 1197 | 0.75 | 77.5 | 1235 | 0.75 | 79.4 | 1280 | 1.00 | 81.4 | 1330 | 1.50 | 83.2 | 1385 | -- | -- | -- |
| 1.50 | 0.75 | 76.7 | 1288 | 0.75 | 78.5 | 1321 | 1.00 | 80.3 | 1359 | 1.00 | 82.1 | 1404 | -- | -- | -- | -- | -- | -- |
| 1.75 | 0.75 | 77.7 | 1373 | 0.75 | 79.4 | 1402 | 1.00 | 81.1 | 1437 | 1.50 | 82.8 | 1477 | -- | -- | -- | -- | -- | -- |
| 2.00 | 0.75 | 78.6 | 1455 | 1.00 | 80.2 | 1480 | 1.00 | 81.8 | 1511 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | 1.00 | 80.4 | 1608 | 1.00 | 81.8 | 1628 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | 1.50 | 81.9 | 1749 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 10 - 5

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 200 | | | 300 | | | 400 | | | 500 | | | 600 | | | 700 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 51.1 | 456 | 0.75 | 53.3 | 455 | 0.75 | 56.0 | 473 | 0.75 | 58.8 | 505 | 0.75 | 61.6 | 548 | 0.75 | 64.3 | 596 |
| 0.40 | 0.75 | 56.5 | 655 | 0.75 | 58.0 | 644 | 0.75 | 59.7 | 640 | 0.75 | 61.8 | 654 | 0.75 | 63.9 | 675 | 0.75 | 66.2 | 711 |
| 0.60 | -- | -- | -- | 0.75 | 61.4 | 796 | 0.75 | 62.7 | 785 | 0.75 | 64.3 | 788 | 0.75 | 66.0 | 797 | 0.75 | 67.9 | 820 |
| 0.80 | -- | -- | -- | 0.75 | 64.0 | 925 | 0.75 | 65.2 | 912 | 0.75 | 66.5 | 906 | 0.75 | 67.9 | 909 | 0.75 | 69.6 | 923 |
| 1.00 | -- | -- | -- | -- | -- | -- | 0.75 | 67.2 | 1025 | 0.75 | 68.4 | 1015 | 0.75 | 69.7 | 1014 | 0.75 | 71.0 | 1019 |
| 1.25 | -- | -- | -- | -- | -- | -- | 0.75 | 69.4 | 1151 | 0.75 | 70.5 | 1141 | 0.75 | 71.5 | 1133 | 0.75 | 72.8 | 1135 |
| 1.50 | -- | -- | -- | -- | -- | -- | 0.75 | 71.3 | 1267 | 0.75 | 72.3 | 1254 | 0.75 | 73.3 | 1246 | 0.75 | 74.3 | 1241 |
| 1.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 73.8 | 1359 | 0.75 | 74.8 | 1349 | 0.75 | 75.7 | 1341 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 75.3 | 1456 | 0.75 | 76.1 | 1445 | 0.75 | 77.1 | 1438 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 77.8 | 1636 | 0.75 | 78.6 | 1624 | 0.75 | 79.4 | 1613 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 80.7 | 1785 | 1.00 | 81.4 | 1774 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 800 | | | 900 | | | 1000 | | | 1100 | | | 1200 | | | 1300 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 66.9 | 649 | 0.75 | 69.4 | 706 | 0.75 | 71.8 | 764 | 0.75 | 74.0 | 823 | 0.75 | 76.1 | 885 | 0.75 | 78.1 | 947 |
| 0.40 | 0.75 | 68.4 | 751 | 0.75 | 70.6 | 797 | 0.75 | 72.8 | 848 | 0.75 | 74.8 | 900 | 0.75 | 76.9 | 957 | 0.75 | 78.8 | 1014 |
| 0.60 | 0.75 | 69.9 | 850 | 0.75 | 71.8 | 886 | 0.75 | 73.8 | 928 | 0.75 | 75.7 | 975 | 0.75 | 77.6 | 1026 | 0.75 | 79.4 | 1077 |
| 0.80 | 0.75 | 71.3 | 944 | 0.75 | 73.0 | 973 | 0.75 | 74.8 | 1008 | 0.75 | 76.6 | 1049 | 0.75 | 78.4 | 1093 | 1.00 | 80.1 | 1140 |
| 1.00 | 0.75 | 72.5 | 1033 | 0.75 | 74.1 | 1056 | 0.75 | 75.8 | 1085 | 0.75 | 77.5 | 1120 | 1.00 | 79.1 | 1160 | 1.00 | 80.8 | 1203 |
| 1.25 | 0.75 | 74.1 | 1142 | 0.75 | 75.5 | 1157 | 0.75 | 77.0 | 1179 | 1.00 | 78.5 | 1208 | 1.00 | 80.0 | 1242 | 1.50 | 81.6 | 1280 |
| 1.50 | 0.75 | 75.5 | 1244 | 0.75 | 76.8 | 1254 | 0.75 | 78.1 | 1271 | 1.00 | 79.5 | 1292 | 1.00 | 80.9 | 1322 | -- | -- | -- |
| 1.75 | 0.75 | 76.8 | 1341 | 0.75 | 78.0 | 1347 | 1.00 | 79.2 | 1358 | 1.00 | 80.5 | 1376 | -- | -- | -- | -- | -- | -- |
| 2.00 | 0.75 | 78.1 | 1434 | 1.00 | 79.1 | 1435 | 1.00 | 80.2 | 1442 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | 1.00 | 80.2 | 1605 | 1.50 | 81.2 | 1603 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 12 - 4

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 300 | | | 400 | | | 500 | | | 600 | | | 700 | | | 800 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 52.5 | 365 | 0.75 | 54.7 | 374 | 0.75 | 57.0 | 388 | 0.75 | 59.4 | 413 | 0.75 | 61.8 | 442 | 0.75 | 64.2 | 476 |
| 0.40 | 0.75 | 57.6 | 522 | 0.75 | 59.0 | 519 | 0.75 | 60.6 | 521 | 0.75 | 62.3 | 532 | 0.75 | 64.2 | 549 | 0.75 | 66.1 | 571 |
| 0.60 | -- | -- | -- | 0.75 | 62.2 | 637 | 0.75 | 63.5 | 635 | 0.75 | 64.9 | 638 | 0.75 | 66.4 | 647 | 0.75 | 68.0 | 661 |
| 0.80 | -- | -- | -- | -- | -- | -- | 0.75 | 65.9 | 735 | 0.75 | 67.0 | 733 | 0.75 | 68.3 | 737 | 0.75 | 69.4 | 745 |
| 1.00 | -- | -- | -- | -- | -- | -- | 0.75 | 67.9 | 825 | 0.75 | 68.9 | 821 | 0.75 | 70.0 | 820 | 0.75 | 71.2 | 825 |
| 1.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 70.9 | 919 | 0.75 | 71.9 | 916 | 0.75 | 72.9 | 917 |
| 1.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 72.2 | 1010 | 0.75 | 73.6 | 1005 | 0.75 | 74.5 | 1004 |
| 1.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 75.1 | 1089 | 0.75 | 76.0 | 1085 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 76.5 | 1166 | 0.75 | 77.3 | 1161 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 79.6 | 1303 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.00 | 81.7 | 1482 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1000 | | | 1200 | | | 1400 | | | 1500 | | | 1600 | | | 1800 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 68.6 | 550 | 0.75 | 72.6 | 629 | 0.75 | 76.3 | 714 | 0.75 | 78.1 | 757 | 1.00 | 79.7 | 800 | 1.50 | 82.9 | 887 |
| 0.40 | 0.75 | 70.0 | 629 | 0.75 | 73.6 | 697 | 0.75 | 77.1 | 771 | 0.75 | 78.7 | 811 | 1.00 | 80.1 | 851 | 1.50 | 83.4 | 933 |
| 0.60 | 0.75 | 71.3 | 706 | 0.75 | 74.6 | 762 | 0.75 | 77.9 | 829 | 1.00 | 79.5 | 864 | 1.00 | 81.0 | 902 | 1.50 | 83.9 | 979 |
| 0.80 | 0.75 | 72.6 | 779 | 0.75 | 75.6 | 826 | 1.00 | 78.7 | 885 | 1.00 | 80.2 | 917 | 1.50 | 81.6 | 951 | 1.50 | 84.5 | 1024 |
| 1.00 | 0.75 | 73.8 | 848 | 0.75 | 76.6 | 888 | 1.00 | 79.4 | 940 | 1.00 | 80.9 | 969 | 1.50 | 82.2 | 1000 | -- | -- | -- |
| 1.25 | 0.75 | 75.3 | 932 | 0.75 | 77.8 | 963 | 1.00 | 80.4 | 1006 | 1.50 | 81.7 | 1032 | 1.50 | 83.0 | 1061 | -- | -- | -- |
| 1.50 | 0.75 | 76.6 | 1012 | 0.75 | 78.9 | 1035 | 1.50 | 81.3 | 1072 | 1.50 | 82.6 | 1095 | -- | -- | -- | -- | -- | -- |
| 1.75 | 0.75 | 77.9 | 1087 | 0.75 | 80.0 | 1105 | 1.50 | 82.2 | 1136 | 1.50 | 83.4 | 1155 | -- | -- | -- | -- | -- | -- |
| 2.00 | 0.75 | 79.0 | 1160 | 1.00 | 81.0 | 1172 | 1.50 | 83.1 | 1197 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | 1.00 | 81.2 | 1295 | 1.50 | 82.9 | 1300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | 1.50 | 83.1 | 1421 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 12 - 6

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 600 | | | 700 | | | 800 | | | 1000 | | | 1200 | | | 1400 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 54.2 | 403 | 0.75 | 58.3 | 415 | 0.75 | 60.1 | 435 | 0.75 | 63.8 | 481 | 0.75 | 67.2 | 535 | 0.75 | 70.5 | 592 |
| **0.40** | 0.75 | 57.9 | 547 | 0.75 | 61.6 | 552 | 0.75 | 63.1 | 563 | 0.75 | 66.0 | 591 | 0.75 | 68.8 | 628 | 0.75 | 71.7 | 675 |
| **0.60** | 0.75 | 60.6 | 662 | 0.75 | 64.3 | 667 | 0.75 | 65.5 | 674 | 0.75 | 67.9 | 690 | 0.75 | 70.4 | 719 | 0.75 | 73.0 | 756 |
| **0.80** | -- | -- | -- | 0.75 | 66.5 | 766 | 0.75 | 67.5 | 769 | 0.75 | 69.7 | 782 | 0.75 | 71.9 | 803 | 0.75 | 74.2 | 833 |
| **1.00** | -- | -- | -- | 0.75 | 68.4 | 855 | 0.75 | 69.3 | 857 | 0.75 | 71.2 | 866 | 0.75 | 73.3 | 883 | 0.75 | 75.4 | 907 |
| **1.25** | -- | -- | -- | -- | -- | -- | 0.75 | 71.2 | 957 | 0.75 | 73.0 | 963 | 0.75 | 74.8 | 974 | 1.00 | 76.7 | 993 |
| **1.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 74.5 | 1051 | 1.00 | 76.2 | 1060 | 1.00 | 78.0 | 1074 |
| **1.75** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.75 | 75.9 | 1132 | 1.00 | 77.5 | 1140 | 1.50 | 79.2 | 1152 |
| **2.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.00 | 77.2 | 1208 | 1.50 | 78.7 | 1215 | 1.50 | 80.2 | 1225 |
| **2.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 80.8 | 1354 | 1.50 | 82.2 | 1361 |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 82.7 | 1481 | 2.00 | 83.9 | 1485 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1500 | | | 1600 | | | 1800 | | | 2000 | | | 2200 | | | 2400 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 70.5 | 499 | 0.75 | 73.5 | 656 | 1.00 | 76.4 | 720 | 1.50 | 79.1 | 787 | 1.50 | 81.6 | 854 | 2.00 | 84.0 | 922 |
| **0.40** | 0.75 | 71.4 | 576 | 0.75 | 74.5 | 728 | 1.00 | 77.2 | 785 | 1.50 | 79.7 | 844 | 1.50 | 82.2 | 907 | 2.00 | 84.5 | 971 |
| **0.60** | 0.75 | 72.5 | 654 | 0.75 | 75.5 | 800 | 1.00 | 78.0 | 849 | 1.50 | 80.4 | 902 | 2.00 | 82.8 | 960 | 2.00 | 85.0 | 1020 |
| **0.80** | 0.75 | 73.6 | 729 | 1.00 | 76.5 | 869 | 1.50 | 78.9 | 913 | 1.50 | 81.1 | 960 | 2.00 | 83.3 | 1012 | 3.00 | 85.5 | 1067 |
| **1.00** | 0.75 | 74.7 | 805 | 1.00 | 77.5 | 937 | 1.50 | 79.7 | 975 | 1.50 | 81.8 | 1017 | 2.00 | 83.9 | 1065 | -- | -- | -- |
| **1.25** | 1.00 | 76.1 | 895 | 1.50 | 78.7 | 1018 | 1.50 | 80.7 | 1049 | 2.00 | 82.7 | 1086 | 2.00 | 84.7 | 1130 | -- | -- | -- |
| **1.50** | 1.00 | 77.3 | 980 | 1.50 | 79.8 | 1095 | 1.50 | 81.6 | 1122 | 2.00 | 83.5 | 1155 | 3.00 | 85.4 | 1193 | -- | -- | -- |
| **1.75** | 1.50 | 78.5 | 1061 | 1.50 | 80.8 | 1169 | 2.00 | 82.6 | 1192 | 2.00 | 84.3 | 1220 | -- | -- | -- | -- | -- | -- |
| **2.00** | 1.50 | 81.5 | 1231 | 1.50 | 81.8 | 1240 | 2.00 | 83.5 | 1259 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **2.50** | 1.50 | 82.9 | 1366 | 2.00 | 83.6 | 1371 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **3.00** | 2.00 | 83.5 | 1410 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 15 - 5

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 600 | | | 800 | | | 1000 | | | 1200 | | | 1400 | | | 1600 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 54.5 | 323 | 0.75 | 58.0 | 352 | 0.75 | 61.6 | 396 | 0.75 | 65.0 | 444 | 0.75 | 68.2 | 535 | 0.75 | 71.1 | 550 |
| **0.40** | 0.75 | 58.7 | 449 | 0.75 | 60.9 | 452 | 0.75 | 63.7 | 477 | 0.75 | 66.5 | 513 | 0.75 | 69.4 | 628 | 0.75 | 72.1 | 604 |
| **0.60** | 0.75 | 62.0 | 557 | 0.75 | 63.6 | 548 | 0.75 | 65.6 | 555 | 0.75 | 68.0 | 580 | 0.75 | 70.5 | 719 | 0.75 | 73.0 | 656 |
| **0.80** | -- | -- | -- | 0.75 | 65.9 | 637 | 0.75 | 67.5 | 634 | 0.75 | 69.5 | 647 | 0.75 | 71.7 | 803 | 1.00 | 73.9 | 706 |
| **1.00** | -- | -- | -- | 0.75 | 67.9 | 718 | 0.75 | 69.2 | 708 | 0.75 | 70.9 | 711 | 0.75 | 72.8 | 883 | 1.00 | 74.9 | 757 |
| **1.25** | -- | -- | -- | 0.75 | 70.0 | 807 | 0.75 | 71.2 | 796 | 0.75 | 72.6 | 792 | 1.00 | 74.2 | 974 | 1.00 | 76.0 | 819 |
| **1.50** | -- | -- | -- | -- | -- | -- | 0.75 | 72.9 | 878 | 0.75 | 74.1 | 868 | 1.00 | 75.5 | 1060 | 1.50 | 77.1 | 881 |
| **1.75** | -- | -- | -- | -- | -- | -- | 1.00 | 74.5 | 952 | 1.00 | 75.6 | 941 | 1.50 | 76.8 | 1140 | 1.50 | 78.2 | 943 |
| **2.00** | -- | -- | -- | -- | -- | -- | 1.00 | 75.9 | 1022 | 1.00 | 76.9 | 1011 | 1.50 | 78.0 | 1215 | 1.50 | 79.3 | 1003 |
| **2.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 79.3 | 1138 | 1.50 | 80.2 | 1354 | 2.00 | 81.3 | 1121 |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 81.3 | 1253 | 2.00 | 82.2 | 1481 | 2.00 | 83.1 | 1231 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1800 | | | 2000 | | | 2200 | | | 2400 | | | 2500 | | | 2600 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 73.8 | 605 | 1.00 | 76.4 | 662 | 1.50 | 78.9 | 719 | 2.00 | 81.2 | 775 | 2.00 | 82.3 | 805 | 2.00 | 83.3 | 833 |
| **0.40** | 1.00 | 74.7 | 655 | 1.50 | 77.1 | 707 | 1.50 | 79.5 | 761 | 2.00 | 81.7 | 815 | 2.00 | 82.8 | 843 | 3.00 | 83.8 | 871 |
| **0.60** | 1.00 | 75.4 | 701 | 1.50 | 77.8 | 750 | 1.50 | 80.0 | 801 | 2.00 | 82.2 | 853 | 3.00 | 83.2 | 879 | 3.00 | 84.3 | 906 |
| **0.80** | 1.00 | 76.2 | 747 | 1.50 | 78.4 | 792 | 2.00 | 80.6 | 839 | 2.00 | 82.7 | 889 | 3.00 | 83.7 | 914 | 3.00 | 84.7 | 940 |
| **1.00** | 1.50 | 77.0 | 792 | 1.50 | 79.1 | 833 | 2.00 | 81.2 | 877 | 3.00 | 83.2 | 924 | 3.00 | 84.2 | 948 | 3.00 | 85.1 | 973 |
| **1.25** | 1.50 | 77.9 | 847 | 1.50 | 79.9 | 883 | 2.00 | 81.8 | 923 | 3.00 | 83.8 | 967 | 3.00 | 84.7 | 989 | -- | -- | -- |
| **1.50** | 1.50 | 78.8 | 903 | 2.00 | 80.7 | 933 | 2.00 | 82.5 | 962 | 3.00 | 84.4 | 1009 | 3.00 | 85.3 | 1031 | -- | -- | -- |
| **1.75** | 1.50 | 79.8 | 959 | 2.00 | 81.5 | 983 | 3.00 | 83.2 | 1015 | 3.00 | 85.0 | 1051 | -- | -- | -- | -- | -- | -- |
| **2.00** | 2.00 | 80.7 | 1013 | 2.00 | 82.2 | 1033 | 3.00 | 83.9 | 1060 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **2.50** | 2.00 | 82.5 | 1122 | 3.00 | 83.8 | 1132 | 3.00 | 85.2 | 1151 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **3.00** | 3.00 | 84.1 | 1226 | 3.00 | 85.3 | 1229 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 15 - 7

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 800 | | | 1000 | | | 1200 | | | 1400 | | | 1600 | | | 1800 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR( HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 55.2 | 336 | 0.75 | 57.7 | 353 | 0.75 | 60.3 | 380 | 0.75 | 62.8 | 409 | 0.75 | 65.2 | 442 | 0.75 | 67.6 | 478 |
| 0.40 | 0.75 | 59.2 | 459 | 0.75 | 61.0 | 465 | 0.75 | 63.0 | 480 | 0.75 | 65.0 | 500 | 0.75 | 67.0 | 524 | 0.75 | 69.1 | 552 |
| 0.60 | 0.75 | 62.3 | 559 | 0.75 | 63.7 | 561 | 0.75 | 65.3 | 569 | 0.75 | 67.0 | 582 | 0.75 | 68.7 | 600 | 0.75 | 70.5 | 621 |
| 0.80 | 0.75 | 64.8 | 648 | 0.75 | 66.0 | 646 | 0.75 | 67.3 | 648 | 0.75 | 68.8 | 658 | 0.75 | 70.3 | 671 | 1.00 | 71.9 | 687 |
| 1.00 | -- | -- | -- | 0.75 | 67.9 | 723 | 0.75 | 69.1 | 722 | 0.75 | 70.4 | 728 | 1.00 | 71.6 | 736 | 1.00 | 73.1 | 750 |
| 1.25 | -- | -- | -- | 0.75 | 70.0 | 810 | 0.75 | 71.0 | 808 | 1.00 | 72.1 | 809 | 1.00 | 73.3 | 815 | 1.50 | 74.6 | 824 |
| 1.50 | -- | -- | -- | -- | -- | -- | 0.75 | 72.7 | 886 | 1.00 | 73.7 | 884 | 1.50 | 74.8 | 887 | 1.50 | 76.0 | 895 |
| 1.75 | -- | -- | -- | -- | -- | -- | 1.00 | 74.3 | 958 | 1.50 | 75.2 | 955 | 1.50 | 76.2 | 956 | 1.50 | 77.2 | 961 |
| 2.00 | -- | -- | -- | -- | -- | -- | 1.50 | 75.7 | 1027 | 1.50 | 76.5 | 1023 | 1.50 | 77.4 | 1022 | 2.00 | 78.4 | 1023 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 78.9 | 1146 | 2.00 | 79.7 | 1142 | 3.00 | 80.5 | 1142 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2000 | | | 2300 | | | 2600 | | | 2800 | | | 3000 | | | 3200 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR( HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 69.8 | 515 | 1.00 | 72.9 | 572 | 1.50 | 75.9 | 632 | 1.50 | 77.7 | 673 | 2.00 | 79.5 | 714 | 2.00 | 81.2 | 755 |
| 0.40 | 0.75 | 71.1 | 582 | 1.00 | 73.9 | 633 | 1.50 | 76.7 | 686 | 2.00 | 78.4 | 723 | 2.00 | 80.1 | 761 | 3.00 | 81.8 | 800 |
| 0.60 | 1.00 | 72.3 | 647 | 1.50 | 74.9 | 690 | 1.50 | 77.5 | 737 | 2.00 | 79.2 | 772 | 2.00 | 80.8 | 807 | 3.00 | 82.4 | 843 |
| 0.80 | 1.00 | 73.5 | 709 | 1.50 | 75.9 | 746 | 2.00 | 78.3 | 788 | 2.00 | 79.9 | 820 | 3.00 | 81.5 | 852 | 3.00 | 83.0 | 885 |
| 1.00 | 1.50 | 74.6 | 768 | 1.50 | 76.9 | 799 | 2.00 | 79.1 | 838 | 3.00 | 80.6 | 865 | 3.00 | 82.1 | 895 | 3.00 | 83.5 | 927 |
| 1.25 | 1.50 | 75.9 | 838 | 2.00 | 78.0 | 865 | 2.00 | 80.1 | 897 | 3.00 | 81.5 | 923 | 3.00 | 82.9 | 950 | 3.00 | 84.3 | 979 |
| 1.50 | 1.50 | 77.2 | 905 | 2.00 | 79.1 | 927 | 3.00 | 81.0 | 956 | 3.00 | 82.3 | 977 | 3.00 | 83.7 | 1002 | 4.00 | 85.0 | 1028 |
| 1.75 | 2.00 | 78.4 | 969 | 3.00 | 80.1 | 986 | 3.00 | 81.9 | 1011 | 3.00 | 83.2 | 1031 | 4.00 | 84.4 | 1053 | 4.00 | 85.7 | 1077 |
| 2.00 | 2.00 | 79.4 | 1030 | 3.00 | 81.1 | 1044 | 3.00 | 82.8 | 1065 | 3.00 | 84.0 | 1083 | 4.00 | 85.1 | 1103 | -- | -- | -- |
| 2.50 | 3.00 | 81.4 | 1144 | 3.00 | 82.9 | 1153 | 4.00 | 84.4 | 1169 | 4.00 | 85.5 | 1183 | -- | -- | -- | -- | -- | -- |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 18 - 6

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1000 | | | 1300 | | | 1600 | | | 1800 | | | 2000 | | | 2200 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 58.5 | 274 | 0.75 | 62.2 | 300 | 0.75 | 65.7 | 333 | 0.75 | 68.0 | 359 | 0.75 | 70.3 | 386 | 0.75 | 72.4 | 413 |
| 0.40 | 0.75 | 62.1 | 363 | 0.75 | 64.9 | 379 | 0.75 | 67.8 | 402 | 0.75 | 69.8 | 420 | 0.75 | 71.7 | 441 | 0.75 | 73.6 | 464 |
| 0.60 | 0.75 | 64.8 | 435 | 0.75 | 67.3 | 448 | 0.75 | 69.8 | 465 | 0.75 | 71.4 | 479 | 0.75 | 73.1 | 495 | 1.00 | 74.8 | 515 |
| 0.80 | -- | -- | -- | 0.75 | 69.2 | 509 | 0.75 | 71.5 | 523 | 0.75 | 73.0 | 534 | 1.00 | 74.5 | 547 | 1.00 | 76.0 | 563 |
| 1.00 | -- | -- | -- | 0.75 | 70.9 | 562 | 0.75 | 73.0 | 575 | 1.00 | 74.4 | 585 | 1.00 | 75.8 | 596 | 1.50 | 77.2 | 609 |
| 1.25 | -- | -- | -- | -- | -- | -- | 1.00 | 74.6 | 634 | 1.00 | 75.9 | 643 | 1.50 | 77.2 | 653 | 1.50 | 78.5 | 665 |
| 1.50 | -- | -- | -- | -- | -- | -- | 1.00 | 76.1 | 688 | 1.50 | 77.3 | 697 | 1.50 | 78.5 | 706 | 1.50 | 79.7 | 716 |
| 1.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 78.6 | 747 | 1.50 | 79.7 | 755 | 2.00 | 80.9 | 764 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 80.8 | 801 | 2.00 | 81.9 | 810 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 83.8 | 894 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2400 | | | 2700 | | | 3000 | | | 3200 | | | 3500 | | | 3700 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 74.4 | 442 | 1.00 | 77.3 | 487 | 1.50 | 79.9 | 532 | 2.00 | 81.7 | 562 | 3.00 | 84.1 | 609 | 3.00 | 85.7 | 640 |
| 0.40 | 1.00 | 75.5 | 489 | 1.50 | 78.1 | 528 | 1.50 | 80.7 | 569 | 2.00 | 82.3 | 597 | 3.00 | 84.7 | 641 | 3.00 | 86.2 | 670 |
| 0.60 | 1.00 | 76.5 | 535 | 1.50 | 79.0 | 569 | 2.00 | 81.4 | 606 | 2.00 | 83.0 | 632 | 3.00 | 85.2 | 673 | 3.00 | 86.7 | 701 |
| 0.80 | 1.50 | 77.6 | 581 | 1.50 | 79.9 | 610 | 2.00 | 82.1 | 644 | 3.00 | 83.6 | 667 | 3.00 | 85.8 | 704 | -- | -- | -- |
| 1.00 | 1.50 | 78.6 | 624 | 2.00 | 80.7 | 650 | 2.00 | 82.9 | 681 | 3.00 | 84.3 | 702 | -- | -- | -- | -- | -- | -- |
| 1.25 | 1.50 | 79.8 | 677 | 2.00 | 81.8 | 699 | 3.00 | 83.8 | 726 | 3.00 | 85.1 | 745 | -- | -- | -- | -- | -- | -- |
| 1.50 | 2.00 | 81.0 | 727 | 2.00 | 82.8 | 747 | 3.00 | 84.7 | 770 | 3.00 | 85.9 | 787 | -- | -- | -- | -- | -- | -- |
| 1.75 | 2.00 | 82.0 | 774 | 3.00 | 83.8 | 792 | 3.00 | 85.5 | 813 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.00 | 2.00 | 83.0 | 802 | 3.00 | 84.7 | 835 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | 3.00 | 84.8 | 903 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | 3.00 | 86.5 | 979 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 18 - 9

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1000 | | | 1300 | | | 1600 | | | 2000 | | | 2400 | | | 2800 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 56.2 | 278 | 0.75 | 58.8 | 290 | 0.75 | 61.6 | 308 | 0.75 | 65.2 | 339 | 0.75 | 68.7 | 376 | 0.75 | 72.1 | 418 |
| **0.40** | 0.75 | 60.6 | 383 | 0.75 | 62.6 | 389 | 0.75 | 64.7 | 399 | 0.75 | 67.6 | 419 | 0.75 | 70.5 | 445 | 1.00 | 73.4 | 478 |
| **0.60** | -- | -- | -- | 0.75 | 65.5 | 471 | 0.75 | 67.3 | 477 | 0.75 | 69.7 | 491 | 0.75 | 72.2 | 510 | 1.00 | 74.8 | 536 |
| **0.80** | -- | -- | -- | -- | -- | -- | 0.75 | 69.4 | 546 | 0.75 | 71.5 | 556 | 1.00 | 73.8 | 571 | 1.50 | 76.1 | 591 |
| **1.00** | -- | -- | -- | -- | -- | -- | 0.75 | 71.2 | 600 | 1.00 | 73.2 | 615 | 1.50 | 75.2 | 627 | 1.50 | 77.3 | 644 |
| **1.25** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 75.0 | 682 | 1.50 | 76.8 | 691 | 2.00 | 78.7 | 705 |
| **1.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 76.5 | 743 | 1.50 | 78.3 | 752 | 2.00 | 80.1 | 763 |
| **1.75** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 79.6 | 807 | 3.00 | 81.3 | 817 |
| **2.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 80.8 | 860 | 3.00 | 82.4 | 868 |
| **2.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 84.4 | 964 |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 86.2 | 1050 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3200 | | | 3500 | | | 3800 | | | 4000 | | | 4300 | | | 4600 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 1.00 | 75.1 | 460 | 1.50 | 77.3 | 494 | 1.50 | 79.4 | 528 | 2.00 | 80.7 | 551 | 2.00 | 82.7 | 586 | 3.00 | 84.5 | 621 |
| **0.40** | 1.50 | 76.2 | 514 | 1.50 | 78.3 | 543 | 2.00 | 80.2 | 574 | 2.00 | 81.5 | 594 | 3.00 | 83.3 | 627 | 3.00 | 85.1 | 659 |
| **0.60** | 1.50 | 77.3 | 566 | 2.00 | 79.2 | 592 | 2.00 | 81.0 | 619 | 3.00 | 82.2 | 637 | 3.00 | 84.0 | 667 | 3.00 | 85.7 | 697 |
| **0.80** | 1.50 | 78.4 | 617 | 2.00 | 80.1 | 638 | 3.00 | 81.9 | 662 | 3.00 | 83.0 | 680 | 3.00 | 84.7 | 706 | 4.00 | 86.3 | 734 |
| **1.00** | 2.00 | 79.5 | 665 | 2.00 | 81.1 | 684 | 3.00 | 82.7 | 705 | 3.00 | 83.8 | 720 | 3.00 | 85.4 | 745 | 4.00 | 86.9 | 771 |
| **1.25** | 2.00 | 80.7 | 723 | 3.00 | 82.2 | 740 | 3.00 | 83.7 | 758 | 3.00 | 84.7 | 771 | 4.00 | 86.2 | 793 | -- | -- | -- |
| **1.50** | 3.00 | 81.9 | 778 | 3.00 | 83.3 | 792 | 3.00 | 84.7 | 808 | 4.00 | 85.6 | 819 | -- | -- | -- | -- | -- | -- |
| **1.75** | 3.00 | 83.0 | 830 | 3.00 | 84.3 | 842 | 4.00 | 85.6 | 856 | 4.00 | 86.5 | 866 | -- | -- | -- | -- | -- | -- |
| **2.00** | 3.00 | 84.0 | 880 | 4.00 | 85.2 | 890 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **2.50** | 4.00 | 85.9 | 973 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 20 - 7

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1400 | | | 1700 | | | 2000 | | | 2300 | | | 2600 | | | 3000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 58.3 | 264 | 0.75 | 54.2 | 288 | 0.75 | 63.8 | 317 | 0.75 | 66.4 | 348 | 0.75 | 68.8 | 381 | 1.00 | 71.9 | 425 |
| **0.40** | 0.75 | 61.7 | 340 | 0.75 | 57.9 | 354 | 0.75 | 65.9 | 375 | 0.75 | 68.2 | 399 | 0.75 | 70.3 | 426 | 1.00 | 73.1 | 466 |
| **0.60** | 0.75 | 64.6 | 408 | 0.75 | 66.2 | 416 | 0.75 | 68.0 | 430 | 0.75 | 69.8 | 449 | 1.00 | 71.7 | 471 | 1.50 | 74.3 | 505 |
| **0.80** | 0.75 | 67.0 | 470 | 0.75 | 68.3 | 473 | 0.75 | 69.8 | 482 | 1.00 | 71.4 | 496 | 1.00 | 73.1 | 514 | 1.50 | 75.4 | 544 |
| **1.00** | -- | -- | -- | 0.75 | 70.2 | 526 | 1.00 | 71.5 | 531 | 1.00 | 72.8 | 541 | 1.50 | 74.4 | 556 | 1.50 | 76.5 | 581 |
| **1.25** | -- | -- | -- | -- | -- | -- | 1.00 | 73.3 | 588 | 1.50 | 74.5 | 595 | 1.50 | 75.8 | 606 | 2.00 | 77.7 | 626 |
| **1.50** | -- | -- | -- | -- | -- | -- | 1.50 | 75.0 | 643 | 1.50 | 76.1 | 646 | 2.00 | 77.3 | 655 | 2.00 | 79.0 | 671 |
| **1.75** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 77.5 | 695 | 2.00 | 78.6 | 701 | 3.00 | 80.1 | 714 |
| **2.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 78.9 | 743 | 2.00 | 79.8 | 745 | 3.00 | 81.2 | 755 |
| **2.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 82.0 | 830 | 3.00 | 83.2 | 835 |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 85.1 | 911 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3200 | | | 3500 | | | 3800 | | | 4000 | | | 4400 | | | 4800 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 1.00 | 73.4 | 448 | 1.50 | 75.5 | 483 | 1.50 | 77.6 | 518 | 1.50 | 78.2 | 456 | 3.00 | 81.4 | 590 | 3.00 | 83.7 | 638 |
| **0.40** | 1.50 | 74.5 | 487 | 1.50 | 76.5 | 519 | 2.00 | 78.4 | 551 | 2.00 | 79.6 | 574 | 3.00 | 82.0 | 619 | 3.00 | 84.3 | 665 |
| **0.60** | 1.50 | 75.6 | 524 | 1.50 | 77.4 | 553 | 2.00 | 79.2 | 584 | 3.00 | 80.4 | 605 | 3.00 | 82.7 | 648 | 4.00 | 84.9 | 692 |
| **0.80** | 1.50 | 76.6 | 560 | 2.00 | 78.3 | 587 | 2.00 | 80.0 | 615 | 3.00 | 81.1 | 634 | 3.00 | 83.3 | 675 | 4.00 | 85.4 | 717 |
| **1.00** | 2.00 | 77.5 | 596 | 2.00 | 79.2 | 620 | 3.00 | 80.8 | 646 | 3.00 | 81.8 | 664 | 3.00 | 83.9 | 702 | -- | -- | -- |
| **1.25** | 2.00 | 78.7 | 639 | 3.00 | 80.2 | 661 | 3.00 | 81.7 | 684 | 3.00 | 82.7 | 701 | 4.00 | 84.7 | 736 | -- | -- | -- |
| **1.50** | 3.00 | 79.8 | 682 | 3.00 | 81.2 | 700 | 3.00 | 82.6 | 721 | 3.00 | 83.6 | 736 | -- | -- | -- | -- | -- | -- |
| **1.75** | 3.00 | 80.9 | 723 | 3.00 | 82.2 | 739 | 3.00 | 83.5 | 757 | 4.00 | 84.4 | 771 | -- | -- | -- | -- | -- | -- |
| **2.00** | 3.00 | 81.9 | 763 | 3.00 | 83.1 | 776 | 4.00 | 84.3 | 793 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **2.50** | 4.00 | 83.9 | 840 | 4.00 | 84.9 | 850 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **3.00** | 4.00 | 85.6 | 913 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 20 - 10

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1600 | | | 2000 | | | 2200 | | | 2500 | | | 2800 | | | 3000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 59.7 | 255 | 0.75 | 63.3 | 282 | 0.75 | 65.0 | 296 | 0.75 | 67.5 | 320 | 0.75 | 69.8 | 346 | 0.75 | 71.3 | 364 |
| **0.40** | 0.75 | 63.0 | 334 | 0.75 | 65.6 | 347 | 0.75 | 67.0 | 357 | 0.75 | 69.1 | 375 | 0.75 | 71.2 | 395 | 1.00 | 72.6 | 411 |
| **0.60** | 0.75 | 65.7 | 405 | 0.75 | 67.8 | 410 | 0.75 | 69.0 | 416 | 0.75 | 70.7 | 428 | 1.00 | 72.6 | 444 | 1.00 | 73.8 | 456 |
| **0.80** | 0.75 | 68.0 | 468 | 0.75 | 69.8 | 469 | 0.75 | 70.8 | 472 | 1.00 | 72.3 | 479 | 1.00 | 73.9 | 491 | 1.50 | 75.0 | 499 |
| **1.00** | -- | -- | -- | 1.00 | 71.6 | 523 | 1.00 | 72.4 | 525 | 1.50 | 73.7 | 529 | 1.50 | 75.2 | 536 | 1.50 | 76.1 | 543 |
| **1.25** | -- | -- | -- | -- | -- | -- | 1.50 | 74.2 | 585 | 1.50 | 75.4 | 586 | 1.50 | 76.7 | 591 | 2.00 | 77.5 | 596 |
| **1.50** | -- | -- | -- | -- | -- | -- | 1.50 | 75.9 | 641 | 2.00 | 76.9 | 641 | 2.00 | 78.1 | 643 | 2.00 | 78.8 | 646 |
| **1.75** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 78.4 | 692 | 2.00 | 79.4 | 693 | 3.00 | 80.1 | 694 |
| **2.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 79.6 | 740 | 3.00 | 80.6 | 740 | 3.00 | 81.3 | 741 |
| **2.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 82.8 | 828 | 4.00 | 83.4 | 827 |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 85.2 | 907 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3400 | | | 3700 | | | 4000 | | | 4300 | | | 4600 | | | 5000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 1.00 | 74.2 | 399 | 1.50 | 76.3 | 427 | 1.50 | 78.2 | 456 | 2.00 | 80.1 | 484 | 2.00 | 81.9 | 513 | 3.00 | 84.2 | 552 |
| **0.40** | 1.50 | 75.2 | 442 | 1.50 | 77.1 | 467 | 2.00 | 79.0 | 492 | 2.00 | 80.8 | 519 | 3.00 | 82.5 | 546 | 3.00 | 84.7 | 583 |
| **0.60** | 1.50 | 76.2 | 482 | 1.50 | 78.0 | 504 | 2.00 | 79.7 | 528 | 3.00 | 81.4 | 552 | 3.00 | 83.1 | 577 | 3.00 | 85.2 | 612 |
| **0.80** | 1.50 | 77.2 | 522 | 2.00 | 78.9 | 541 | 2.00 | 80.5 | 562 | 3.00 | 82.1 | 585 | 3.00 | 83.7 | 608 | 4.00 | 85.8 | 641 |
| **1.00** | 2.00 | 78.2 | 561 | 2.00 | 79.7 | 578 | 3.00 | 81.3 | 596 | 3.00 | 82.8 | 617 | 3.00 | 84.3 | 638 | -- | -- | -- |
| **1.25** | 2.00 | 79.3 | 609 | 3.00 | 80.8 | 622 | 3.00 | 82.2 | 638 | 3.00 | 83.6 | 656 | 4.00 | 85.1 | 675 | -- | -- | -- |
| **1.50** | 3.00 | 80.5 | 655 | 3.00 | 81.8 | 666 | 3.00 | 83.1 | 679 | 4.00 | 84.4 | 695 | -- | -- | -- | -- | -- | -- |
| **1.75** | 3.00 | 81.6 | 701 | 3.00 | 82.8 | 709 | 4.00 | 84.0 | 720 | 4.00 | 85.3 | 733 | -- | -- | -- | -- | -- | -- |
| **2.00** | 3.00 | 82.6 | 745 | 4.00 | 83.7 | 751 | 4.00 | 84.9 | 759 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **2.50** | 4.00 | 84.6 | 829 | 4.00 | 85.6 | 831 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **3.00** | 5.50 | 86.3 | 906 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 22 - 11

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1800 | | | 2000 | | | 2500 | | | 2800 | | | 3000 | | | 3500 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 60.1 | 233 | 0.75 | 61.4 | 239 | 0.75 | 64.9 | 262 | 0.75 | 66.9 | 279 | 0.75 | 68.3 | 290 | 0.75 | 71.5 | 321 |
| 0.40 | 0.75 | 64.0 | 314 | 0.75 | 65.0 | 316 | 0.75 | 67.5 | 328 | 0.75 | 69.2 | 338 | 0.75 | 70.3 | 346 | 1.00 | 73.0 | 369 |
| 0.60 | -- | -- | -- | 0.75 | 67.8 | 382 | 0.75 | 70.0 | 388 | 0.75 | 71.3 | 394 | 1.00 | 72.2 | 400 | 1.50 | 74.5 | 416 |
| 0.80 | -- | -- | -- | 0.75 | 70.1 | 438 | 1.00 | 72.0 | 442 | 1.00 | 73.2 | 446 | 1.50 | 74.0 | 450 | 1.50 | 76.0 | 461 |
| 1.00 | -- | -- | -- | -- | -- | -- | 1.50 | 73.8 | 492 | 1.50 | 74.9 | 495 | 1.50 | 75.6 | 497 | 2.00 | 77.4 | 506 |
| 1.25 | -- | -- | -- | -- | -- | -- | 1.50 | 75.8 | 547 | 1.50 | 76.8 | 550 | 2.00 | 77.4 | 552 | 2.00 | 79.1 | 559 |
| 1.50 | -- | -- | -- | -- | -- | -- | 2.00 | 77.5 | 596 | 2.00 | 78.4 | 600 | 2.00 | 79.0 | 602 | 3.00 | 80.5 | 607 |
| 1.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 79.8 | 645 | 3.00 | 80.4 | 647 | 3.00 | 81.9 | 652 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 81.7 | 690 | 3.00 | 83.1 | 695 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 85.3 | 773 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4000 | | | 4500 | | | 5000 | | | 5400 | | | 5800 | | | 6000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 1.00 | 74.5 | 354 | 1.50 | 77.3 | 389 | 2.00 | 80.8 | 424 | 3.00 | 82.0 | 453 | 3.00 | 84.0 | 482 | 3.00 | 84.9 | 497 |
| 0.40 | 1.50 | 75.7 | 396 | 1.50 | 78.3 | 426 | 2.00 | 80.8 | 458 | 3.00 | 82.8 | 484 | 3.00 | 84.6 | 511 | 4.00 | 85.6 | 525 |
| 0.60 | 1.50 | 76.9 | 438 | 2.00 | 79.3 | 463 | 3.00 | 81.7 | 491 | 3.00 | 83.5 | 515 | 4.00 | 85.3 | 540 | 4.00 | 86.2 | 553 |
| 0.80 | 2.00 | 78.2 | 479 | 2.00 | 80.3 | 500 | 3.00 | 82.5 | 524 | 3.00 | 84.2 | 546 | 4.00 | 85.9 | 568 | 4.00 | 86.8 | 580 |
| 1.00 | 2.00 | 79.4 | 519 | 3.00 | 81.3 | 536 | 3.00 | 83.4 | 558 | 4.00 | 85.0 | 577 | 4.00 | 86.6 | 597 | -- | -- | -- |
| 1.25 | 3.00 | 80.8 | 568 | 3.00 | 82.6 | 581 | 4.00 | 84.4 | 598 | 4.00 | 85.9 | 615 | 5.50 | 87.4 | 633 | -- | -- | -- |
| 1.50 | 3.00 | 82.1 | 614 | 4.00 | 83.8 | 625 | 4.00 | 85.5 | 639 | 4.00 | 86.8 | 652 | 5.50 | 88.3 | 669 | -- | -- | -- |
| 1.75 | 3.00 | 83.4 | 659 | 4.00 | 84.9 | 667 | 4.00 | 86.5 | 678 | 5.50 | 87.8 | 690 | -- | -- | -- | -- | -- | -- |
| 2.00 | 4.00 | 84.5 | 701 | 4.00 | 86.0 | 707 | 5.50 | 87.4 | 717 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | 5.00 | 86.6 | 778 | 5.50 | 87.9 | 784 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 25 - 10

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2600 | | | 3000 | | | 3500 | | | 4000 | | | 4500 | | | 5000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 61.8 | 219 | 0.75 | 63.8 | 234 | 0.75 | 66.3 | 253 | 0.75 | 68.7 | 276 | 1.00 | 71.0 | 299 | 1.50 | 73.3 | 324 |
| 0.40 | 0.75 | 65.7 | 281 | 0.75 | 67.2 | 291 | 1.00 | 69.1 | 304 | 1.00 | 71.0 | 321 | 1.50 | 73.0 | 341 | 2.00 | 75.0 | 361 |
| 0.60 | 0.75 | 68.8 | 335 | 1.00 | 70.0 | 342 | 1.00 | 71.5 | 351 | 1.50 | 73.1 | 364 | 2.00 | 74.8 | 380 | 2.00 | 76.5 | 397 |
| 0.80 | -- | -- | -- | 1.50 | 72.4 | 388 | 1.50 | 73.7 | 395 | 2.00 | 75.1 | 405 | 2.00 | 76.5 | 417 | 3.00 | 78.1 | 432 |
| 1.00 | -- | -- | -- | -- | -- | -- | 1.50 | 75.6 | 435 | 2.00 | 76.8 | 443 | 3.00 | 78.1 | 453 | 3.00 | 79.5 | 466 |
| 1.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 78.7 | 487 | 3.00 | 79.9 | 496 | 3.00 | 81.1 | 506 |
| 1.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 81.5 | 536 | 4.00 | 82.6 | 545 |
| 1.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 83.0 | 574 | 4.00 | 84.0 | 581 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.00 | 85.3 | 616 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5500 | | | 6000 | | | 6500 | | | 7000 | | | 7500 | | | 8000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 2.00 | 75.4 | 349 | 2.00 | 77.4 | 374 | 3.00 | 79.4 | 400 | 4.00 | 81.3 | 426 | 4.00 | 83.1 | 453 | 5.00 | 84.9 | 480 |
| 0.40 | 2.00 | 76.9 | 383 | 3.00 | 78.7 | 406 | 3.00 | 80.6 | 430 | 4.00 | 82.3 | 454 | 5.00 | 84.1 | 479 | 7.50 | 85.2 | 504 |
| 0.60 | 3.00 | 78.3 | 416 | 3.00 | 80.0 | 437 | 4.00 | 81.7 | 459 | 4.00 | 83.3 | 481 | 5.00 | 84.9 | 504 | 7.50 | 85.6 | 528 |
| 0.80 | 3.00 | 79.6 | 449 | 4.00 | 81.2 | 467 | 4.00 | 82.7 | 487 | 5.00 | 84.3 | 507 | 5.00 | 85.8 | 529 | 7.50 | 86.4 | 552 |
| 1.00 | 3.00 | 80.9 | 480 | 4.00 | 82.3 | 497 | 5.00 | 83.8 | 515 | 5.00 | 85.2 | 534 | 5.50 | 86.7 | 554 | -- | -- | -- |
| 1.25 | 4.00 | 82.3 | 518 | 4.00 | 83.7 | 533 | 5.00 | 85.0 | 549 | 5.50 | 86.3 | 565 | 7.50 | 87.7 | 584 | -- | -- | -- |
| 1.50 | 4.00 | 83.7 | 555 | 5.00 | 84.9 | 567 | 5.50 | 86.1 | 581 | 7.50 | 87.4 | 597 | -- | -- | -- | -- | -- | -- |
| 1.75 | 5.00 | 85.0 | 590 | 5.00 | 86.1 | 601 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.00 | 5.00 | 86.2 | 624 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 25 - 12

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2800 | | | 3400 | | | 4000 | | | 4500 | | | 5000 | | | 5500 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 61.3 | 209 | 0.75 | 64.2 | 223 | 0.75 | 67.1 | 239 | 1.00 | 69.4 | 255 | 1.00 | 71.7 | 272 | 1.50 | 73.8 | 290 |
| 0.40 | 0.75 | 64.7 | 279 | 0.75 | 67.0 | 286 | 1.00 | 69.3 | 296 | 1.50 | 71.2 | 306 | 1.50 | 73.2 | 319 | 2.00 | 75.1 | 334 |
| 0.60 | 0.75 | 67.3 | 334 | 1.00 | 69.3 | 340 | 1.50 | 71.3 | 348 | 1.50 | 73.0 | 355 | 2.00 | 74.7 | 364 | 2.00 | 76.4 | 375 |
| 0.80 | -- | -- | -- | 1.50 | 71.2 | 388 | 1.50 | 73.1 | 394 | 2.00 | 74.6 | 400 | 2.00 | 76.1 | 408 | 3.00 | 77.6 | 416 |
| 1.00 | -- | -- | -- | 1.50 | 72.9 | 430 | 2.00 | 74.6 | 436 | 3.00 | 76.0 | 441 | 3.00 | 77.4 | 447 | 3.00 | 78.8 | 454 |
| 1.25 | -- | -- | -- | -- | -- | -- | 3.00 | 76.3 | 482 | 3.00 | 77.6 | 487 | 3.00 | 78.9 | 493 | 4.00 | 80.2 | 498 |
| 1.50 | -- | -- | -- | -- | -- | -- | 3.00 | 77.8 | 525 | 3.00 | 79.1 | 530 | 4.00 | 80.3 | 535 | 4.00 | 81.5 | 540 |
| 1.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 80.3 | 569 | 4.00 | 81.5 | 573 | 5.00 | 82.7 | 578 |
| 2.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 81.5 | 605 | 5.00 | 82.7 | 610 | 5.00 | 83.8 | 614 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.50 | 84.6 | 676 | 7.50 | 85.7 | 681 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 87.4 | 741 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6000 | | | 6500 | | | 7000 | | | 7500 | | | 8000 | | | 8500 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 2.00 | 75.9 | 309 | 2.00 | 77.9 | 328 | 3.00 | 79.8 | 348 | 3.00 | 81.6 | 368 | 4.00 | 83.3 | 388 | 4.00 | 85.0 | 409 |
| 0.40 | 2.00 | 76.9 | 348 | 3.00 | 78.8 | 365 | 3.00 | 80.6 | 382 | 4.00 | 82.3 | 400 | 4.00 | 84.0 | 418 | 5.00 | 85.6 | 437 |
| 0.60 | 3.00 | 78.1 | 388 | 3.00 | 79.7 | 401 | 4.00 | 81.4 | 416 | 4.00 | 83.0 | 432 | 5.00 | 84.6 | 448 | 5.00 | 86.2 | 466 |
| 0.80 | 3.00 | 79.2 | 426 | 4.00 | 80.7 | 437 | 4.00 | 82.3 | 449 | 5.00 | 83.8 | 463 | 5.00 | 85.3 | 478 | 5.50 | 86.8 | 493 |
| 1.00 | 4.00 | 80.3 | 462 | 4.00 | 81.7 | 472 | 5.00 | 83.1 | 482 | 5.00 | 84.6 | 495 | 5.50 | 86.0 | 507 | 7.50 | 87.4 | 521 |
| 1.25 | 4.00 | 81.5 | 505 | 5.00 | 82.9 | 513 | 5.00 | 84.2 | 522 | 5.50 | 85.5 | 532 | 7.50 | 86.9 | 544 | -- | -- | -- |
| 1.50 | 5.00 | 82.7 | 546 | 5.00 | 84.0 | 553 | 5.50 | 85.2 | 560 | 7.50 | 86.5 | 569 | 7.50 | 87.7 | 579 | -- | -- | -- |
| 1.75 | 5.00 | 83.8 | 584 | 5.50 | 85.0 | 590 | 7.50 | 86.2 | 596 | 7.50 | 87.4 | 604 | -- | -- | -- | -- | -- | -- |
| 2.00 | 5.50 | 84.9 | 620 | 7.50 | 86.0 | 625 | 7.50 | 87.1 | 631 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | 7.50 | 86.7 | 686 | 7.50 | 87.8 | 691 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 30 - 10

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3000 | | | 3800 | | | 4500 | | | 5200 | | | 6000 | | | 6800 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 0.75 | 60.1 | 171 | 0.75 | 62.8 | 184 | 0.75 | 65.3 | 198 | 1.00 | 67.8 | 216 | 1.50 | 70.6 | 238 | 2.00 | 73.2 | 261 |
| 0.40 | 0.75 | 64.9 | 231 | 0.75 | 66.7 | 237 | 1.00 | 68.4 | 245 | 1.50 | 70.4 | 257 | 2.00 | 72.6 | 273 | 3.00 | 74.9 | 292 |
| 0.60 | 0.75 | 68.3 | 278 | 1.00 | 69.8 | 282 | 1.50 | 71.2 | 288 | 2.00 | 72.7 | 296 | 3.00 | 74.6 | 308 | 3.00 | 76.5 | 322 |
| 0.80 | 1.00 | 70.9 | 318 | 1.50 | 72.4 | 323 | 2.00 | 73.6 | 327 | 2.00 | 74.9 | 333 | 3.00 | 76.4 | 341 | 4.00 | 78.1 | 353 |
| 1.00 | -- | -- | -- | 2.00 | 74.5 | 358 | 2.00 | 75.6 | 363 | 3.00 | 76.8 | 367 | 3.00 | 78.1 | 373 | 4.00 | 79.6 | 383 |
| 1.25 | -- | -- | -- | 2.00 | 76.7 | 398 | 3.00 | 77.8 | 402 | 3.00 | 78.9 | 407 | 4.00 | 80.1 | 412 | 5.00 | 81.4 | 419 |
| 1.50 | -- | -- | -- | 3.00 | 78.6 | 433 | 3.00 | 79.7 | 438 | 4.00 | 80.7 | 442 | 4.00 | 81.8 | 447 | 5.00 | 83.0 | 453 |
| 1.75 | -- | -- | -- | -- | -- | -- | 4.00 | 81.3 | 471 | 4.00 | 82.3 | 475 | 5.00 | 83.4 | 480 | 5.50 | 84.5 | 485 |
| 2.00 | -- | -- | -- | -- | -- | -- | 4.00 | 82.8 | 501 | 5.00 | 83.8 | 506 | 5.00 | 84.8 | 511 | 7.50 | 85.8 | 515 |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.50 | 86.3 | 561 | 7.50 | 87.3 | 567 | 7.50 | 88.2 | 572 |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7500 | | | 8000 | | | 9000 | | | 9500 | | | 10500 | | | 11000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.20 | 3.00 | 75.4 | 282 | 3.00 | 77.0 | 297 | 4.00 | 79.9 | 329 | 5.50 | 81.3 | 345 | 7.50 | 84.0 | 376 | 7.50 | 85.3 | 392 |
| 0.40 | 3.00 | 76.8 | 309 | 4.00 | 78.2 | 323 | 5.00 | 80.9 | 351 | 5.50 | 82.2 | 366 | 7.50 | 84.8 | 396 | 7.50 | 86.0 | 411 |
| 0.60 | 4.00 | 78.3 | 337 | 4.00 | 79.5 | 349 | 5.00 | 82.0 | 375 | 7.50 | 83.2 | 388 | 7.50 | 85.6 | 415 | 10.00 | 86.8 | 430 |
| 0.80 | 4.00 | 79.7 | 365 | 5.50 | 80.8 | 376 | 5.50 | 83.0 | 398 | 7.50 | 84.2 | 410 | 10.00 | 86.4 | 435 | 10.00 | 87.5 | 449 |
| 1.00 | 5.00 | 81.0 | 393 | 5.50 | 82.0 | 401 | 7.50 | 84.1 | 421 | 7.50 | 85.1 | 432 | 10.00 | 87.2 | 455 | -- | -- | -- |
| 1.25 | 5.00 | 82.6 | 427 | 5.50 | 83.5 | 434 | 7.50 | 85.3 | 450 | 7.50 | 86.3 | 459 | 10.00 | 88.2 | 480 | -- | -- | -- |
| 1.50 | 5.50 | 84.0 | 459 | 7.50 | 84.9 | 465 | 7.50 | 86.5 | 478 | 10.00 | 87.4 | 487 | -- | -- | -- | -- | -- | -- |
| 1.75 | 7.50 | 85.5 | 490 | 7.50 | 86.2 | 495 | 10.00 | 87.7 | 506 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.00 | 7.50 | 86.7 | 520 | 7.50 | 87.4 | 526 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS 30 - 14

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3400 | | | 4000 | | | 5000 | | | 6000 | | | 6500 | | | 7000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 0.75 | 60.5 | 168 | 0.75 | 62.6 | 173 | 0.75 | 66.2 | 188 | 1.00 | 69.7 | 206 | 1.50 | 71.4 | 216 | 1.50 | 73.0 | 227 |
| **0.40** | 0.75 | 64.3 | 227 | 0.75 | 66.0 | 230 | 1.00 | 68.7 | 238 | 1.50 | 71.6 | 249 | 2.00 | 73.0 | 256 | 2.00 | 74.4 | 264 |
| **0.60** | 1.00 | 67.2 | 275 | 1.00 | 68.7 | 278 | 1.50 | 71.1 | 284 | 2.00 | 73.4 | 290 | 2.00 | 74.7 | 295 | 3.00 | 75.9 | 300 |
| **0.80** | 1.50 | 69.4 | 313 | 1.50 | 70.8 | 318 | 2.00 | 73.0 | 323 | 3.00 | 75.2 | 328 | 3.00 | 76.3 | 332 | 3.00 | 77.3 | 336 |
| **1.00** | -- | -- | -- | 2.00 | 72.8 | 352 | 2.00 | 74.7 | 358 | 3.00 | 76.7 | 363 | 3.00 | 77.7 | 366 | 4.00 | 78.7 | 369 |
| **1.25** | -- | -- | -- | -- | -- | -- | 3.00 | 76.5 | 398 | 3.00 | 78.4 | 403 | 4.00 | 79.4 | 405 | 4.00 | 80.3 | 408 |
| **1.50** | -- | -- | -- | -- | -- | -- | 3.00 | 78.1 | 432 | 4.00 | 79.9 | 438 | 4.00 | 80.8 | 441 | 5.00 | 81.7 | 443 |
| **1.75** | -- | -- | -- | -- | -- | -- | 4.00 | 79.5 | 463 | 5.00 | 81.3 | 471 | 5.00 | 82.1 | 474 | 5.00 | 83.0 | 476 |
| **2.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.00 | 82.5 | 500 | 5.50 | 83.3 | 504 | 5.50 | 84.1 | 506 |
| **2.50** | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 84.6 | 554 | 7.50 | 85.4 | 558 | 7.50 | 86.2 | 561 |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 87.1 | 606 | 10.00 | 87.9 | 610 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8000 | | | 9000 | | | 10000 | | | 10500 | | | 11000 | | | 12000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| **0.20** | 2.00 | 76.1 | 250 | 3.00 | 79.1 | 274 | 4.00 | 81.9 | 298 | 5.00 | 83.2 | 311 | 5.00 | 84.5 | 323 | 7.50 | 87.0 | 349 |
| **0.40** | 3.00 | 77.2 | 282 | 4.00 | 80.0 | 302 | 5.00 | 82.6 | 324 | 5.00 | 83.8 | 335 | 5.50 | 85.1 | 346 | 7.50 | 87.5 | 369 |
| **0.60** | 3.00 | 78.4 | 314 | 4.00 | 80.9 | 331 | 5.00 | 83.3 | 349 | 5.50 | 84.5 | 359 | 7.50 | 85.7 | 369 | 7.50 | 88.0 | 390 |
| **0.80** | 4.00 | 79.6 | 345 | 5.00 | 81.9 | 359 | 5.50 | 84.1 | 374 | 7.50 | 85.3 | 383 | 7.50 | 86.4 | 393 | 10.00 | 88.6 | 412 |
| **1.00** | 4.00 | 80.7 | 377 | 5.00 | 82.7 | 387 | 7.50 | 84.9 | 400 | 7.50 | 86.0 | 408 | 7.50 | 87.1 | 416 | -- | -- | -- |
| **1.25** | 5.00 | 82.1 | 414 | 5.50 | 84.0 | 422 | 7.50 | 86.0 | 432 | 7.50 | 86.9 | 438 | 10.00 | 87.9 | 445 | -- | -- | -- |
| **1.50** | 5.50 | 83.4 | 449 | 7.50 | 85.2 | 455 | 7.50 | 87.0 | 463 | 10.00 | 87.9 | 468 | -- | -- | -- | -- | -- | -- |
| **1.75** | 7.50 | 84.6 | 481 | 7.50 | 86.3 | 486 | 10.00 | 87.9 | 493 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **2.00** | 7.50 | 85.7 | 511 | 10.00 | 87.3 | 517 | 10.00 | 88.9 | 522 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **2.50** | 10.00 | 87.7 | 567 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **3.00** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 315

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 500 | | | 600 | | | 800 | | | 1000 | | | 1200 | | | 1400 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 58.1 | 961 | 0.75 | 59.4 | 1020 | 0.75 | 62.4 | 1152 | 0.75 | 65.6 | 1302 | 0.75 | 68.6 | 1463 | 0.75 | 71.5 | 1635 |
| 1.0 | 0.75 | 64.3 | 1252 | 0.75 | 64.8 | 1301 | 0.75 | 66.5 | 1413 | 0.75 | 68.5 | 1539 | 0.75 | 70.7 | 1680 | 0.75 | 73.0 | 1830 |
| 1.5 | 0.75 | 68.3 | 1482 | 0.75 | 68.6 | 1526 | 0.75 | 69.6 | 1628 | 0.75 | 71.0 | 1743 | 0.75 | 72.7 | 1869 | 1.00 | 74.5 | 2007 |
| 2.0 | -- | -- | -- | 0.75 | 71.5 | 1722 | 0.75 | 72.1 | 1815 | 0.75 | 73.1 | 1921 | 1.00 | 74.4 | 2040 | 1.50 | 75.9 | 2167 |
| 2.5 | -- | -- | -- | -- | -- | -- | 0.75 | 74.2 | 1983 | 1.00 | 75.0 | 2084 | 1.00 | 76.0 | 2196 | 1.50 | 77.2 | 2317 |
| 3.0 | -- | -- | -- | -- | -- | -- | 1.00 | 76.0 | 2136 | 1.00 | 76.6 | 2233 | 1.50 | 77.4 | 2339 | 1.50 | 78.4 | 2456 |
| 3.5 | -- | -- | -- | -- | -- | -- | 1.00 | 77.6 | 2280 | 1.50 | 78.0 | 2372 | 1.50 | 78.7 | 2475 | 2.00 | 79.5 | 2586 |
| 4.0 | -- | -- | -- | -- | -- | -- | 1.50 | 79.0 | 2414 | 1.50 | 79.3 | 2503 | 2.00 | 79.8 | 2601 | 2.00 | 80.6 | 2710 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.50 | 80.4 | 2627 | 2.00 | 80.9 | 2722 | 3.00 | 81.5 | 2827 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 81.5 | 2744 | 2.00 | 81.9 | 2838 | 3.00 | 82.4 | 2939 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 83.4 | 2965 | 3.00 | 83.6 | 3054 | 3.00 | 84.0 | 3150 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1500 | | | 1600 | | | 1800 | | | 2000 | | | 2200 | | | 2400 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 72.8 | 1723 | 0.75 | 74.0 | 1812 | 1.00 | 76.4 | 1995 | 1.50 | 78.5 | 2182 | 1.50 | 80.5 | 2371 | 2.00 | 82.3 | 2562 |
| 1.0 | 0.75 | 74.1 | 1900 | 1.00 | 75.1 | 1989 | 1.50 | 77.2 | 2156 | 1.50 | 79.2 | 2329 | 2.00 | 81.0 | 2506 | 3.00 | 82.7 | 2688 |
| 1.5 | 1.00 | 75.4 | 2078 | 1.50 | 76.3 | 2152 | 1.50 | 78.1 | 2308 | 2.00 | 79.9 | 2470 | 2.00 | 81.6 | 2637 | 3.00 | 83.2 | 2810 |
| 2.0 | 1.50 | 76.7 | 2235 | 1.50 | 77.5 | 2305 | 2.00 | 79.1 | 2451 | 2.00 | 80.6 | 2603 | 3.00 | 82.2 | 2762 | 3.00 | 83.7 | 2927 |
| 2.5 | 1.50 | 77.9 | 2381 | 1.50 | 78.6 | 2447 | 2.00 | 80.0 | 2585 | 3.00 | 81.4 | 2730 | 3.00 | 82.8 | 2883 | -- | -- | -- |
| 3.0 | 2.00 | 79.0 | 2517 | 2.00 | 79.6 | 2580 | 2.00 | 80.8 | 2712 | 3.00 | 82.1 | 2852 | 3.00 | 83.4 | 2998 | -- | -- | -- |
| 3.5 | 2.00 | 80.0 | 2645 | 2.00 | 80.6 | 2706 | 3.00 | 81.7 | 2834 | 3.00 | 82.8 | 2967 | -- | -- | -- | -- | -- | -- |
| 4.0 | 2.00 | 81.0 | 2766 | 3.00 | 81.5 | 2826 | 3.00 | 82.5 | 2948 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.5 | 3.00 | 81.9 | 2882 | 3.00 | 82.3 | 2939 | 3.00 | 83.2 | 3059 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | 3.00 | 82.8 | 2993 | 3.00 | 83.1 | 3049 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 400

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 800 | | | 1000 | | | 1200 | | | 1500 | | | 1800 | | | 2000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 59.1 | 730 | 0.75 | 60.8 | 785 | 0.75 | 62.9 | 849 | 0.75 | 66.0 | 952 | 0.75 | 69.1 | 1063 | 0.75 | 71.0 | 1142 |
| 1.0 | 0.75 | 65.2 | 954 | 0.75 | 65.9 | 999 | 0.75 | 67.0 | 1050 | 0.75 | 68.9 | 1137 | 0.75 | 71.1 | 1233 | 1.00 | 72.6 | 1302 |
| 1.5 | 0.75 | 69.3 | 1129 | 0.75 | 69.6 | 1172 | 0.75 | 70.2 | 1218 | 0.75 | 71.5 | 1295 | 1.00 | 73.1 | 1382 | 1.50 | 74.3 | 1444 |
| 2.0 | -- | -- | -- | 0.75 | 72.5 | 1319 | 0.75 | 72.8 | 1363 | 1.00 | 73.7 | 1435 | 1.50 | 74.9 | 1514 | 1.50 | 75.8 | 1572 |
| 2.5 | -- | -- | -- | 1.00 | 74.8 | 1452 | 1.00 | 75.0 | 1492 | 1.50 | 75.6 | 1560 | 1.50 | 76.5 | 1635 | 2.00 | 77.3 | 1689 |
| 3.0 | -- | -- | -- | -- | -- | -- | 1.50 | 76.9 | 1612 | 1.50 | 77.3 | 1676 | 2.00 | 78.0 | 1748 | 2.00 | 78.6 | 1799 |
| 3.5 | -- | -- | -- | -- | -- | -- | 1.50 | 78.5 | 1721 | 2.00 | 78.8 | 1783 | 2.00 | 79.3 | 1852 | 3.00 | 79.8 | 1902 |
| 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2.00 | 80.1 | 1884 | 3.00 | 80.5 | 1951 | 3.00 | 80.9 | 1998 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 81.3 | 1980 | 3.00 | 81.6 | 2044 | 3.00 | 82.0 | 2090 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 82.4 | 2070 | 3.00 | 82.6 | 2133 | 4.00 | 82.9 | 2178 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 84.4 | 2300 | 4.00 | 84.6 | 2343 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2200 | | | 2500 | | | 2800 | | | 3000 | | | 3200 | | | 3400 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 1.00 | 72.8 | 1222 | 1.50 | 75.4 | 1347 | 1.50 | 77.7 | 1474 | 2.00 | 79.1 | 1561 | 2.00 | 80.5 | 2371 | 3.00 | 81.8 | 1737 |
| 1.0 | 1.50 | 74.1 | 1374 | 1.50 | 76.3 | 1487 | 2.00 | 78.3 | 1603 | 2.00 | 79.7 | 1683 | 3.00 | 80.9 | 2506 | 3.00 | 82.1 | 1848 |
| 1.5 | 1.50 | 75.5 | 1509 | 2.00 | 77.3 | 1613 | 3.00 | 79.1 | 1722 | 3.00 | 80.3 | 1796 | 3.00 | 81.5 | 2637 | 4.00 | 82.6 | 1952 |
| 2.0 | 2.00 | 76.8 | 1633 | 2.00 | 78.4 | 1729 | 3.00 | 80.0 | 1831 | 3.00 | 81.0 | 1903 | 4.00 | 82.1 | 2762 | 4.00 | 83.1 | 2050 |
| 2.5 | 2.00 | 78.1 | 1747 | 3.00 | 79.4 | 1838 | 3.00 | 80.8 | 1935 | 4.00 | 81.8 | 2002 | 4.00 | 82.7 | 2883 | 4.00 | 83.7 | 2143 |
| 3.0 | 3.00 | 79.3 | 1853 | 3.00 | 80.4 | 1940 | 4.00 | 81.7 | 2033 | 4.00 | 82.5 | 2097 | 4.00 | 83.4 | 2998 | -- | -- | -- |
| 3.5 | 3.00 | 80.4 | 1954 | 3.00 | 81.4 | 2037 | 4.00 | 82.5 | 2125 | 4.00 | 83.2 | 2188 | -- | -- | -- | -- | -- | -- |
| 4.0 | 3.00 | 81.4 | 2048 | 4.00 | 82.3 | 2128 | 4.00 | 83.3 | 2214 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.5 | 4.00 | 82.4 | 2139 | 4.00 | 83.1 | 2217 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | 4.00 | 83.3 | 2225 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 450

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1000 | | | 1200 | | | 1500 | | | 1800 | | | 2000 | | | 2200 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 60.2 | 648 | 0.75 | 61.5 | 685 | 0.75 | 63.9 | 749 | 0.75 | 66.3 | 820 | 0.75 | 68.0 | 870 | 0.75 | 69.6 | 923 |
| 1.0 | 0.75 | 66.3 | 846 | 0.75 | 66.9 | 878 | 0.75 | 68.1 | 931 | 0.75 | 69.6 | 990 | 0.75 | 70.7 | 1033 | 1.00 | 71.8 | 1078 |
| 1.5 | 0.75 | 70.4 | 1005 | 0.75 | 70.7 | 1033 | 0.75 | 71.3 | 1081 | 1.00 | 72.3 | 1134 | 1.00 | 73.1 | 1171 | 1.50 | 73.9 | 1211 |
| 2.0 | -- | -- | -- | 0.75 | 73.6 | 1166 | 1.00 | 73.9 | 1210 | 1.50 | 74.6 | 1259 | 1.50 | 75.2 | 1294 | 1.50 | 75.8 | 1331 |
| 2.5 | -- | -- | -- | -- | -- | -- | 1.50 | 76.1 | 1327 | 1.50 | 76.6 | 1372 | 2.00 | 77.0 | 1405 | 2.00 | 77.5 | 1441 |
| 3.0 | -- | -- | -- | -- | -- | -- | 1.50 | 78.0 | 1432 | 2.00 | 78.3 | 1476 | 2.00 | 78.6 | 1508 | 3.00 | 79.0 | 1541 |
| 3.5 | -- | -- | -- | -- | -- | -- | 2.00 | 79.6 | 1531 | 2.00 | 79.8 | 1573 | 3.00 | 80.0 | 1603 | 3.00 | 80.3 | 1635 |
| 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 81.1 | 1664 | 3.00 | 81.3 | 1693 | 3.00 | 81.6 | 1723 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 82.3 | 1749 | 3.00 | 82.5 | 1778 | 4.00 | 82.7 | 1807 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.00 | 83.5 | 1831 | 4.00 | 83.6 | 1859 | 4.00 | 83.7 | 1888 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 85.4 | 2010 | 5.00 | 85.5 | 2037 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2500 | | | 2800 | | | 3200 | | | 3500 | | | 3800 | | | 4200 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 71.9 | 1005 | 1.00 | 74.0 | 1088 | 1.50 | 76.6 | 1205 | 2.00 | 78.5 | 1294 | 3.00 | 80.1 | 1386 | 3.00 | 82.2 | 1508 |
| 1.0 | 1.50 | 73.6 | 1149 | 1.50 | 75.3 | 1224 | 2.00 | 77.6 | 1329 | 3.00 | 79.2 | 1411 | 3.00 | 80.7 | 1494 | 4.00 | 82.7 | 1609 |
| 1.5 | 1.50 | 75.3 | 1276 | 2.00 | 76.7 | 1345 | 3.00 | 78.6 | 1441 | 3.00 | 80.0 | 1517 | 3.00 | 81.4 | 1596 | 4.00 | 83.2 | 1703 |
| 2.0 | 2.00 | 76.9 | 1391 | 2.00 | 78.1 | 1454 | 3.00 | 79.7 | 1545 | 3.00 | 80.9 | 1616 | 4.00 | 82.2 | 1690 | 5.00 | 83.8 | 1793 |
| 2.5 | 3.00 | 78.4 | 1496 | 3.00 | 79.3 | 1556 | 3.00 | 80.7 | 1641 | 4.00 | 81.8 | 1709 | 4.00 | 82.9 | 1780 | 5.00 | 84.4 | 1878 |
| 3.0 | 3.00 | 79.7 | 1594 | 3.00 | 80.5 | 1651 | 4.00 | 81.7 | 1732 | 4.00 | 82.7 | 1797 | 5.00 | 83.7 | 1865 | -- | -- | -- |
| 3.5 | 3.00 | 80.9 | 1686 | 4.00 | 81.6 | 1740 | 4.00 | 82.7 | 1818 | 5.00 | 83.5 | 1880 | 5.00 | 84.4 | 1945 | -- | -- | -- |
| 4.0 | 4.00 | 82.0 | 1773 | 4.00 | 82.6 | 1825 | 5.00 | 83.6 | 1900 | 5.00 | 84.3 | 1960 | -- | -- | -- | -- | -- | -- |
| 4.5 | 4.00 | 83.1 | 1855 | 4.00 | 83.6 | 1905 | 5.00 | 84.4 | 1978 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | 4.00 | 84.0 | 1933 | 5.00 | 84.5 | 1983 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 500

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1400 | | | 1600 | | | 2000 | | | 2500 | | | 2800 | | | 3200 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 61.9 | 599 | 0.75 | 63.1 | 629 | 0.75 | 65.7 | 694 | 0.75 | 68.9 | 782 | 1.00 | 70.8 | 839 | 1.50 | 73.2 | 918 |
| 1.0 | 0.75 | 67.6 | 773 | 0.75 | 68.1 | 797 | 0.75 | 69.5 | 851 | 1.00 | 71.6 | 926 | 1.50 | 73.0 | 975 | 1.50 | 74.9 | 1045 |
| 1.5 | 0.75 | 71.5 | 913 | 0.75 | 71.8 | 934 | 1.00 | 72.6 | 982 | 1.50 | 74.1 | 1050 | 1.50 | 75.1 | 1094 | 2.00 | 76.6 | 1157 |
| 2.0 | 1.00 | 74.5 | 1033 | 1.00 | 74.6 | 1052 | 1.50 | 75.1 | 1095 | 2.00 | 76.1 | 1158 | 2.00 | 76.9 | 1200 | 3.00 | 78.1 | 1257 |
| 2.5 | -- | -- | -- | 1.50 | 77.0 | 1158 | 2.00 | 77.2 | 1198 | 2.00 | 78.0 | 1257 | 3.00 | 78.6 | 1295 | 3.00 | 79.5 | 1351 |
| 3.0 | -- | -- | -- | -- | -- | -- | 2.00 | 79.1 | 1293 | 3.00 | 79.6 | 1348 | 3.00 | 80.1 | 1384 | 4.00 | 80.8 | 1438 |
| 3.5 | -- | -- | -- | -- | -- | -- | 3.00 | 80.6 | 1380 | 3.00 | 81.0 | 1432 | 4.00 | 81.4 | 1468 | 4.00 | 82.0 | 1518 |
| 4.0 | -- | -- | -- | -- | -- | -- | 3.00 | 82.1 | 1463 | 4.00 | 82.3 | 1513 | 4.00 | 82.6 | 1546 | 4.00 | 83.1 | 1594 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 83.5 | 1588 | 4.00 | 83.7 | 1621 | 5.00 | 84.1 | 1667 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4.00 | 84.5 | 1660 | 5.00 | 84.7 | 1691 | 5.00 | 85.1 | 1737 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 86.8 | 1867 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3500 | | | 4000 | | | 4500 | | | 4800 | | | 5200 | | | 5500 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 1.50 | 74.9 | 980 | 2.00 | 77.5 | 1085 | 2.00 | 79.9 | 1194 | 3.00 | 81.3 | 1260 | 4.00 | 82.9 | 1349 | 4.00 | 84.1 | 1417 |
| 1.0 | 2.00 | 76.3 | 1100 | 3.00 | 78.5 | 1195 | 3.00 | 80.6 | 1294 | 4.00 | 81.8 | 1355 | 4.00 | 83.4 | 1430 | 5.00 | 84.5 | 1502 |
| 1.5 | 3.00 | 77.7 | 1207 | 3.00 | 79.6 | 1295 | 4.00 | 81.4 | 1386 | 4.00 | 82.5 | 1444 | 5.50 | 84.0 | 1522 | 5.50 | 85.0 | 1582 |
| 2.0 | 3.00 | 79.0 | 1305 | 4.00 | 80.7 | 1387 | 4.00 | 82.3 | 1473 | 5.00 | 83.3 | 1527 | 5.50 | 84.6 | 1602 | 7.50 | 85.5 | 1659 |
| 2.5 | 3.00 | 80.3 | 1395 | 4.00 | 81.7 | 1473 | 5.00 | 83.2 | 1555 | 5.00 | 84.0 | 1607 | -- | -- | -- | -- | -- | -- |
| 3.0 | 4.00 | 81.5 | 1479 | 5.00 | 82.7 | 1553 | 5.50 | 84.0 | 1632 | 7.50 | 84.8 | 1681 | -- | -- | -- | -- | -- | -- |
| 3.5 | 4.00 | 82.6 | 1558 | 5.00 | 83.6 | 1626 | 7.50 | 84.8 | 1705 | 7.50 | 85.5 | 1753 | -- | -- | -- | -- | -- | -- |
| 4.0 | 5.00 | 83.6 | 1633 | 5.50 | 84.5 | 1702 | 7.50 | 85.6 | 1776 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.5 | 5.00 | 84.5 | 1704 | 7.50 | 85.5 | 1771 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | 5.50 | 85.4 | 1773 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 560

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1600 | | | 2000 | | | 2500 | | | 3000 | | | 3500 | | | 4000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 63.2 | 539 | 0.75 | 64.1 | 560 | 0.75 | 66.7 | 615 | 0.75 | 69.3 | 677 | 1.00 | 71.9 | 743 | 1.50 | 74.4 | 813 |
| 1.0 | 0.75 | 68.7 | 693 | 0.75 | 69.1 | 710 | 1.00 | 70.5 | 758 | 1.50 | 72.2 | 810 | 1.50 | 74.0 | 866 | 2.00 | 75.9 | 926 |
| 1.5 | 1.00 | 72.6 | 817 | 1.00 | 72.8 | 832 | 1.50 | 73.6 | 875 | 1.50 | 74.7 | 921 | 2.00 | 76.1 | 973 | 3.00 | 77.6 | 1028 |
| 2.0 | 1.50 | 75.6 | 923 | 1.50 | 75.6 | 937 | 2.00 | 76.1 | 976 | 2.00 | 76.9 | 1020 | 3.00 | 77.9 | 1068 | 3.00 | 79.1 | 1119 |
| 2.5 | -- | -- | -- | 2.00 | 78.0 | 1030 | 2.00 | 78.3 | 1068 | 3.00 | 78.8 | 1110 | 3.00 | 79.6 | 1154 | 4.00 | 80.5 | 1202 |
| 3.0 | -- | -- | -- | -- | -- | -- | 3.00 | 80.1 | 1151 | 3.00 | 80.5 | 1191 | 4.00 | 81.1 | 1234 | 4.00 | 81.8 | 1280 |
| 3.5 | -- | -- | -- | -- | -- | -- | 3.00 | 81.6 | 1229 | 4.00 | 81.9 | 1267 | 4.00 | 82.4 | 1308 | 5.00 | 83.0 | 1353 |
| 4.0 | -- | -- | -- | -- | -- | -- | 4.00 | 83.1 | 1301 | 4.00 | 83.2 | 1338 | 5.00 | 83.6 | 1378 | 5.00 | 84.1 | 1421 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.00 | 84.4 | 1405 | 5.00 | 84.7 | 1444 | 7.50 | 85.2 | 1486 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.00 | 85.5 | 1469 | 5.50 | 85.7 | 1507 | 7.50 | 86.1 | 1548 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 87.6 | 1625 | 7.50 | 87.8 | 1665 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4500 | | | 5000 | | | 5500 | | | 6000 | | | 6500 | | | 7000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 2.00 | 76.6 | 885 | 3.00 | 78.8 | 1085 | 3.00 | 80.7 | 1037 | 4.00 | 82.5 | 1115 | 5.00 | 84.2 | 1194 | 5.00 | 85.8 | 1274 |
| 1.0 | 3.00 | 77.8 | 990 | 3.00 | 79.6 | 1195 | 4.00 | 81.4 | 1127 | 4.00 | 83.0 | 1199 | 5.00 | 84.6 | 1272 | 7.50 | 86.1 | 1347 |
| 1.5 | 3.00 | 79.1 | 1086 | 4.00 | 80.6 | 1295 | 4.00 | 82.2 | 1212 | 5.00 | 83.6 | 1278 | 7.50 | 85.1 | 1347 | 7.50 | 86.5 | 1418 |
| 2.0 | 4.00 | 80.4 | 1173 | 4.00 | 81.7 | 1387 | 5.00 | 83.0 | 1291 | 5.50 | 84.3 | 1354 | 7.50 | 85.7 | 1419 | 7.50 | 86.9 | 1486 |
| 2.5 | 4.00 | 81.6 | 1254 | 5.00 | 82.7 | 1473 | 5.50 | 83.9 | 1365 | 7.50 | 85.1 | 1425 | 7.50 | 86.3 | 1487 | 10.00 | 87.5 | 1551 |
| 3.0 | 5.00 | 82.7 | 1330 | 5.50 | 83.7 | 1553 | 7.50 | 84.7 | 1436 | 7.50 | 85.8 | 1493 | 10.00 | 86.9 | 1552 | -- | -- | -- |
| 3.5 | 5.50 | 83.8 | 1400 | 7.50 | 84.7 | 1626 | 7.50 | 85.6 | 1502 | 10.00 | 86.5 | 1558 | -- | -- | -- | -- | -- | -- |
| 4.0 | 7.50 | 84.8 | 1467 | 7.50 | 85.5 | 1702 | 7.50 | 86.4 | 1566 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.5 | 7.50 | 85.7 | 1530 | 7.50 | 86.4 | 1771 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | 7.50 | 86.6 | 1591 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 630

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2000 | | | 2500 | | | 3000 | | | 3500 | | | 4000 | | | 4500 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 63.2 | 460 | 0.75 | 64.9 | 493 | 0.75 | 66.9 | 531 | 0.75 | 69.0 | 573 | 1.00 | 71.1 | 616 | 1.50 | 73.1 | 666 |
| 1.0 | 0.75 | 69.5 | 603 | 1.00 | 70.1 | 630 | 1.00 | 71.1 | 661 | 1.50 | 72.3 | 695 | 1.50 | 73.6 | 728 | 2.00 | 75.2 | 772 |
| 1.5 | 1.00 | 73.5 | 713 | 1.50 | 73.9 | 741 | 1.50 | 74.4 | 768 | 2.00 | 75.2 | 799 | 2.00 | 76.0 | 825 | 3.00 | 77.2 | 866 |
| 2.0 | -- | -- | -- | 2.00 | 76.8 | 834 | 2.00 | 77.1 | 861 | 3.00 | 77.6 | 889 | 3.00 | 78.1 | 913 | 3.00 | 79.1 | 952 |
| 2.5 | -- | -- | -- | 2.00 | 79.1 | 916 | 3.00 | 79.3 | 944 | 3.00 | 79.6 | 971 | 4.00 | 80.0 | 992 | 4.00 | 80.7 | 1030 |
| 3.0 | -- | -- | -- | -- | -- | -- | 3.00 | 81.1 | 1018 | 4.00 | 81.4 | 1045 | 4.00 | 81.6 | 1065 | 5.00 | 82.2 | 1102 |
| 3.5 | -- | -- | -- | -- | -- | -- | 4.00 | 82.7 | 1086 | 4.00 | 82.9 | 1114 | 5.00 | 83.0 | 1132 | 5.00 | 83.6 | 1169 |
| 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.00 | 84.3 | 1178 | 5.00 | 84.3 | 1195 | 7.50 | 84.8 | 1233 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 85.5 | 1255 | 7.50 | 85.9 | 1292 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 86.7 | 1321 | 7.50 | 86.9 | 1349 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5000 | | | 5500 | | | 6000 | | | 6500 | | | 7000 | | | 8000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 1.50 | 75.1 | 716 | 2.00 | 76.9 | 767 | 3.00 | 78.6 | 819 | 3.00 | 80.2 | 874 | 4.00 | 81.7 | 927 | 5.00 | 84.5 | 1038 |
| 1.0 | 3.00 | 76.7 | 815 | 3.00 | 78.2 | 860 | 3.00 | 79.6 | 907 | 4.00 | 81.0 | 955 | 5.00 | 82.4 | 1005 | 7.50 | 84.9 | 1108 |
| 1.5 | 3.00 | 78.3 | 904 | 4.00 | 79.5 | 944 | 4.00 | 80.8 | 987 | 5.00 | 82.0 | 1032 | 5.00 | 83.2 | 1078 | 7.50 | 85.5 | 1174 |
| 2.0 | 4.00 | 79.9 | 986 | 4.00 | 80.9 | 1023 | 5.00 | 81.9 | 1062 | 5.50 | 83.0 | 1103 | 7.50 | 84.0 | 1146 | 7.50 | 86.1 | 1237 |
| 2.5 | 4.00 | 81.4 | 1062 | 5.50 | 82.2 | 1096 | 5.50 | 83.1 | 1132 | 7.50 | 84.0 | 1171 | 7.50 | 84.9 | 1211 | 10.00 | 86.8 | 1297 |
| 3.0 | 5.00 | 82.8 | 1132 | 5.50 | 83.4 | 1164 | 7.50 | 84.2 | 1199 | 7.50 | 84.9 | 1235 | 7.50 | 85.7 | 1273 | 10.00 | 87.4 | 1355 |
| 3.5 | 5.00 | 84.0 | 1199 | 7.50 | 84.6 | 1229 | 7.50 | 85.2 | 1262 | 7.50 | 85.8 | 1296 | -- | -- | -- | -- | -- | -- |
| 4.0 | 7.50 | 85.2 | 1261 | 7.50 | 85.6 | 1291 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.5 | 7.50 | 86.2 | 1320 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 710

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2000 | | | 2500 | | | 3000 | | | 3500 | | | 4000 | | | 4500 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 63.2 | 387 | 0.75 | 64.2 | 409 | 0.75 | 65.5 | 434 | 0.75 | 67.0 | 460 | 1.00 | 68.6 | 488 | 1.00 | 70.3 | 520 |
| 1.0 | 0.75 | 70.1 | 516 | 1.00 | 70.3 | 534 | 1.00 | 70.9 | 554 | 1.50 | 71.6 | 576 | 1.50 | 72.5 | 600 | 2.00 | 73.5 | 626 |
| 1.5 | 1.50 | 74.6 | 619 | 1.50 | 74.5 | 634 | 1.50 | 74.7 | 652 | 2.00 | 75.1 | 671 | 2.00 | 75.6 | 693 | 3.00 | 76.3 | 716 |
| 2.0 | 1.50 | 77.8 | 706 | 2.00 | 77.7 | 720 | 2.00 | 77.6 | 736 | 3.00 | 77.8 | 754 | 3.00 | 78.2 | 773 | 3.00 | 78.6 | 794 |
| 2.5 | 2.00 | 80.4 | 784 | 3.00 | 80.1 | 796 | 3.00 | 80.0 | 811 | 3.00 | 80.1 | 828 | 4.00 | 80.3 | 846 | 4.00 | 80.6 | 866 |
| 3.0 | 3.00 | 82.6 | 854 | 3.00 | 82.2 | 866 | 3.00 | 82.1 | 880 | 4.00 | 82.0 | 898 | 4.00 | 82.1 | 913 | 5.00 | 82.3 | 931 |
| 3.5 | -- | -- | -- | 4.00 | 84.0 | 931 | 4.00 | 83.8 | 943 | 4.00 | 83.7 | 958 | 5.00 | 83.7 | 975 | 5.00 | 83.8 | 992 |
| 4.0 | -- | -- | -- | -- | -- | | 5.00 | 85.3 | 1003 | 5.00 | 85.2 | 1017 | 5.50 | 85.1 | 1033 | 7.50 | 85.2 | 1050 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.50 | 86.5 | 1073 | 7.50 | 86.4 | 1087 | 7.50 | 86.4 | 1104 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 87.6 | 1140 | 7.50 | 87.6 | 1155 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 10.00 | 89.5 | 1252 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5000 | | | 6000 | | | 7000 | | | 8000 | | | 9000 | | | 10000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 1.50 | 71.9 | 551 | 2.00 | 75.1 | 619 | 3.00 | 77.9 | 691 | 4.00 | 80.6 | 766 | 5.00 | 83.0 | 842 | 7.50 | 85.1 | 920 |
| 1.0 | 2.00 | 74.6 | 653 | 3.00 | 77.0 | 712 | 4.00 | 79.2 | 773 | 5.00 | 81.5 | 842 | 5.50 | 83.6 | 912 | 7.50 | 85.6 | 985 |
| 1.5 | 3.00 | 77.1 | 740 | 4.00 | 78.8 | 793 | 5.00 | 80.7 | 851 | 5.50 | 82.6 | 913 | 7.50 | 84.5 | 978 | 10.00 | 86.3 | 1046 |
| 2.0 | 4.00 | 79.2 | 817 | 4.00 | 80.5 | 866 | 5.00 | 82.0 | 920 | 7.50 | 83.7 | 978 | 10.00 | 85.3 | 1039 | 10.00 | 86.9 | 1103 |
| 2.5 | 4.00 | 81.0 | 887 | 5.00 | 82.1 | 933 | 7.50 | 83.3 | 983 | 7.50 | 84.7 | 1038 | 10.00 | 86.2 | 1096 | 15.00 | 87.6 | 1158 |
| 3.0 | 5.00 | 82.6 | 951 | 7.50 | 83.5 | 995 | 7.50 | 84.5 | 1043 | 10.00 | 85.7 | 1095 | 10.00 | 87.0 | 1151 | 15.00 | 88.3 | 1209 |
| 3.5 | 5.50 | 84.1 | 1011 | 7.50 | 84.7 | 1053 | 10.00 | 85.6 | 1099 | 10.00 | 86.7 | 1149 | 15.00 | 87.8 | 1202 | -- | -- | -- |
| 4.0 | 7.50 | 85.4 | 1068 | 7.50 | 85.9 | 1108 | 10.00 | 86.6 | 1152 | 15.00 | 87.5 | 1200 | 15.00 | 88.6 | 1252 | -- | -- | -- |
| 4.5 | 7.50 | 86.5 | 1121 | 10.00 | 87.0 | 1160 | 10.00 | 87.6 | 1203 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | 10.00 | 87.6 | 1173 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# RSZ 800

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3500 | | | 4000 | | | 4500 | | | 5000 | | | 6000 | | | 7000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 65.9 | 376 | 0.75 | 67.1 | 395 | 1.00 | 68.3 | 414 | 1.00 | 69.6 | 434 | 1.50 | 72.2 | 479 | 2.00 | 74.7 | 526 |
| 1.0 | 1.50 | 71.6 | 487 | 1.50 | 72.1 | 501 | 1.50 | 72.8 | 517 | 2.00 | 73.5 | 534 | 3.00 | 75.1 | 571 | 3.00 | 77.0 | 612 |
| 1.5 | 2.00 | 75.5 | 574 | 2.00 | 75.8 | 588 | 3.00 | 76.1 | 602 | 3.00 | 76.6 | 617 | 3.00 | 77.7 | 650 | 4.00 | 79.0 | 686 |
| 2.0 | -- | -- | -- | 3.00 | 78.6 | 662 | 3.00 | 78.8 | 676 | 4.00 | 79.1 | 690 | 4.00 | 79.9 | 720 | 5.00 | 80.9 | 753 |
| 2.5 | -- | -- | -- | 4.00 | 80.9 | 728 | 4.00 | 81.1 | 741 | 4.00 | 81.3 | 755 | 5.00 | 81.8 | 783 | 5.50 | 82.6 | 814 |
| 3.0 | -- | -- | -- | -- | -- | -- | 5.00 | 82.9 | 801 | 5.00 | 83.1 | 814 | 5.50 | 83.5 | 841 | 7.50 | 84.1 | 871 |
| 3.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.50 | 84.6 | 868 | 7.50 | 84.9 | 895 | 7.50 | 85.4 | 924 |
| 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.50 | 86.0 | 919 | 7.50 | 86.2 | 945 | 10.00 | 86.6 | 973 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 10.00 | 87.4 | 993 | 10.00 | 87.7 | 1020 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 10.00 | 88.5 | 1039 | 15.00 | 88.7 | 1065 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 15.00 | 90.6 | 1149 |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8000 | | | 9000 | | | 10000 | | | 11000 | | | 12000 | | | 13000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 3.00 | 77.1 | 575 | 4.00 | 79.3 | 627 | 5.00 | 81.4 | 679 | 5.50 | 83.3 | 733 | 7.50 | 85.1 | 788 | 10.00 | 86.8 | 844 |
| 1.0 | 4.00 | 78.8 | 655 | 5.00 | 80.6 | 700 | 5.50 | 82.4 | 748 | 7.50 | 84.1 | 798 | 10.00 | 85.7 | 848 | 10.00 | 87.3 | 901 |
| 1.5 | 5.00 | 80.5 | 725 | 5.50 | 82.0 | 767 | 7.50 | 83.5 | 811 | 10.00 | 85.0 | 857 | 10.00 | 86.4 | 905 | 15.00 | 87.8 | 953 |
| 2.0 | 5.50 | 82.1 | 789 | 7.50 | 83.3 | 828 | 10.00 | 84.6 | 869 | 10.00 | 85.9 | 912 | 15.00 | 87.2 | 957 | 15.00 | 88.5 | 1004 |
| 2.5 | 7.50 | 83.5 | 848 | 10.00 | 84.5 | 884 | 10.00 | 85.6 | 923 | 15.00 | 86.8 | 964 | 15.00 | 88.0 | 1006 | 15.00 | 89.1 | 1051 |
| 3.0 | 10.00 | 84.8 | 902 | 10.00 | 85.7 | 937 | 15.00 | 86.7 | 974 | 15.00 | 87.7 | 1013 | 15.00 | 88.7 | 1054 | -- | -- | -- |
| 3.5 | 10.00 | 86.0 | 954 | 15.00 | 86.8 | 987 | 15.00 | 87.6 | 1022 | 15.00 | 88.5 | 1059 | -- | -- | -- | -- | -- | -- |
| 4.0 | 10.00 | 87.1 | 1003 | 15.00 | 87.8 | 1034 | 15.00 | 88.5 | 1068 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.5 | 15.00 | 88.2 | 1049 | 15.00 | 88.7 | 1080 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | 15.00 | 89.1 | 1093 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

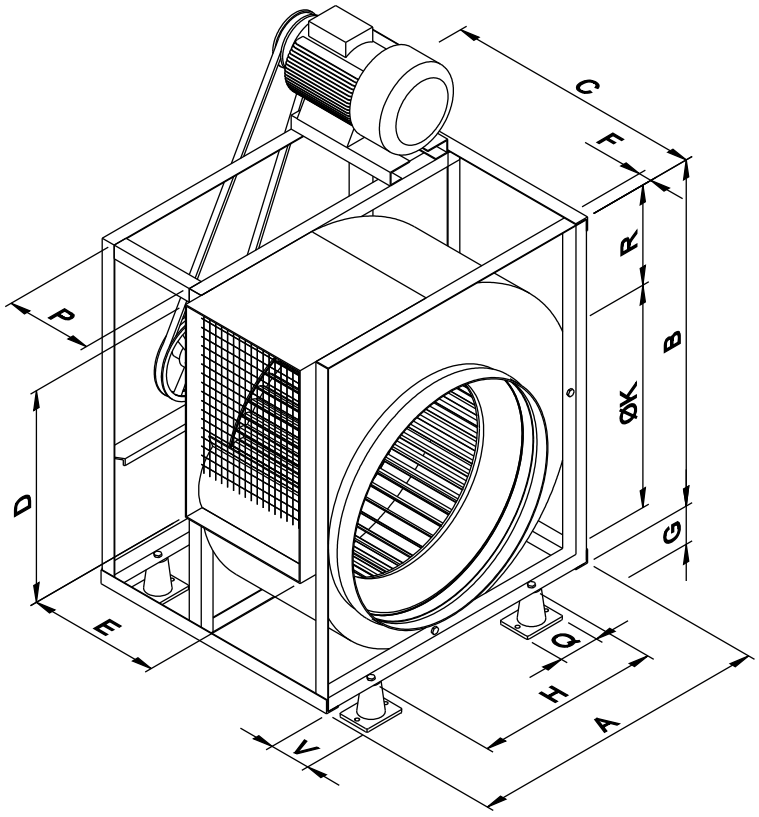
# RSZ 900

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4000 | | | 5000 | | | 6000 | | | 7000 | | | 8000 | | | 10000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 0.75 | 66.1 | 326 | 1.00 | 67.9 | 350 | 1.50 | 69.9 | 379 | 1.50 | 72.0 | 409 | 2.00 | 74.1 | 441 | 4.00 | 78.0 | 510 |
| 1.0 | 1.50 | 72.2 | 425 | 2.00 | 73.0 | 445 | 2.00 | 74.0 | 468 | 3.00 | 75.3 | 494 | 3.00 | 76.7 | 521 | 5.00 | 79.7 | 582 |
| 1.5 | 2.00 | 76.4 | 504 | 3.00 | 76.7 | 523 | 3.00 | 77.3 | 543 | 4.00 | 78.1 | 566 | 4.00 | 79.1 | 590 | 5.50 | 81.3 | 644 |
| 2.0 | -- | -- | -- | 4.00 | 79.6 | 589 | 4.00 | 79.9 | 607 | 5.00 | 80.4 | 628 | 5.50 | 81.1 | 651 | 7.50 | 82.9 | 701 |
| 2.5 | -- | -- | -- | 4.00 | 81.9 | 649 | 5.00 | 82.1 | 666 | 5.50 | 82.4 | 685 | 7.50 | 82.9 | 706 | 10.00 | 84.3 | 754 |
| 3.0 | -- | -- | -- | -- | -- | -- | 7.50 | 83.9 | 719 | 7.50 | 84.2 | 738 | 7.50 | 84.5 | 757 | 10.00 | 85.7 | 802 |
| 3.5 | -- | -- | -- | -- | -- | -- | 7.50 | 85.6 | 769 | 7.50 | 85.7 | 786 | 7.50 | 86.0 | 805 | 15.00 | 86.9 | 848 |
| 4.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 10.00 | 87.1 | 832 | 10.00 | 87.3 | 850 | 15.00 | 88.0 | 891 |
| 4.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 10.00 | 88.3 | 875 | 10.00 | 88.4 | 892 | 15.00 | 89.0 | 932 |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 15.00 | 89.5 | 933 | 20.00 | 90.0 | 971 |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| STATIC PRESSURE (In.w.g) | AIR FLOW (CFM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12000 | | | 14000 | | | 15000 | | | 16000 | | | 17000 | | | 18000 | | |
| | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM | MOTOR (HP) | NOISE (dbA) | FAN RPM |
| 0.5 | 5.00 | 81.5 | 583 | 7.50 | 84.6 | 658 | 10.00 | 86.1 | 697 | 10.00 | 87.4 | 736 | 15.00 | 88.7 | 775 | 15.00 | 89.9 | 815 |
| 1.0 | 7.50 | 82.6 | 647 | 10.00 | 85.3 | 716 | 10.00 | 86.6 | 752 | 15.00 | 87.9 | 788 | 15.00 | 89.1 | 825 | 20.00 | 90.2 | 863 |
| 1.5 | 10.00 | 83.7 | 704 | 15.00 | 86.2 | 769 | 15.00 | 87.3 | 803 | 15.00 | 88.5 | 837 | 20.00 | 89.6 | 872 | 20.00 | 90.6 | 908 |
| 2.0 | 10.00 | 84.9 | 757 | 15.00 | 87.0 | 818 | 15.00 | 88.1 | 850 | 20.00 | 89.1 | 882 | 20.00 | 90.1 | 916 | 20.00 | 91.1 | 950 |
| 2.5 | 15.00 | 86.0 | 806 | 15.00 | 87.9 | 864 | 20.00 | 88.8 | 894 | 20.00 | 89.8 | 925 | 20.00 | 90.7 | 958 | -- | -- | -- |
| 3.0 | 15.00 | 87.1 | 852 | 20.00 | 88.7 | 907 | 20.00 | 89.6 | 936 | 20.00 | 90.4 | 966 | -- | -- | -- | -- | -- | -- |
| 3.5 | 15.00 | 88.1 | 896 | 20.00 | 89.5 | 949 | 20.00 | 90.3 | 976 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.0 | 20.00 | 89.0 | 937 | 20.00 | 90.3 | 988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4.5 | 20.00 | 89.9 | 976 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# AS Dimensional Data

## AS Model: Forward Curved Exhaust Fans

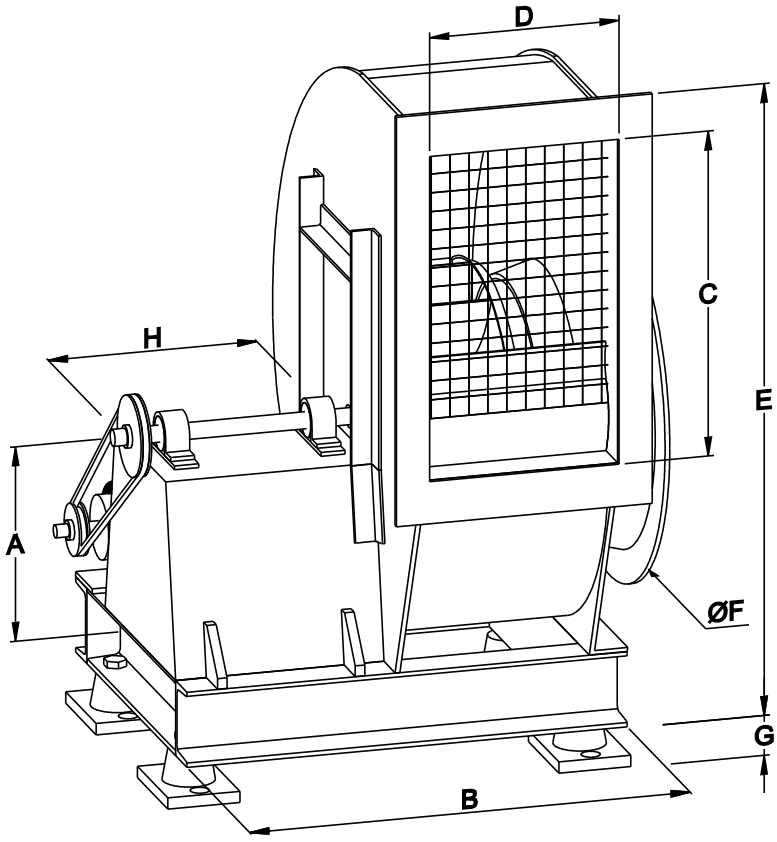



| Fan Size | A | B | C | D | E | F | G | H | K | P | Q | R | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **9 - 3** | 13.7 | 15.4 | 12.0 | 10.3 | 5.4 | 1.2 | 2.2 | 10.2 | 9.8 | 3.1 | 3 | 3.5 | 0.6 |
| **10 - 4** | 15.5 | 17.6 | 14.1 | 11.4 | 6.2 | 1.6 | 2.2 | 10.0 | 10.2 | 3.1 | 3 | 5.1 | 0.8 |
| **10 - 5** | 15.5 | 17.6 | 15.2 | 11.4 | 7.3 | 1.6 | 2.2 | 10.0 | 10.2 | 3.1 | 3 | 5.1 | 0.8 |
| **12 - 4** | 18.0 | 20.8 | 14.7 | 13.4 | 6.9 | 1.6 | 2.2 | 12.5 | 13.0 | 3.1 | 3 | 5.5 | 0.8 |
| **12 - 6** | 18.0 | 20.8 | 16.5 | 13.4 | 8.7 | 1.6 | 2.2 | 12.5 | 13.0 | 3.1 | 3 | 5.5 | 0.8 |
| **15 - 5** | 21.0 | 24.2 | 15.9 | 15.9 | 8.0 | 1.6 | 3.0 | 14.7 | 15.0 | 3.1 | 5 | 5.7 | 0.8 |
| **15 - 7** | 21.0 | 24.2 | 18.0 | 15.9 | 10.1 | 1.6 | 3.0 | 14.7 | 15.0 | 3.1 | 5 | 5.7 | 0.8 |
| **18 - 6** | 25.4 | 29.3 | 19.2 | 18.8 | 9.3 | 1.6 | 3.0 | 16.0 | 18.1 | 5.9 | 5 | 6.6 | 0.8 |
| **18 - 9** | 25.4 | 29.3 | 22.4 | 18.8 | 11.7 | 1.6 | 3.0 | 16.0 | 18.1 | 5.9 | 5 | 6.6 | 0.8 |
| **20 - 7** | 30.4 | 36.0 | 24.4 | 24.8 | 10.6 | 2.0 | 3.0 | 21.0 | 22.8 | 7.9 | 5 | 9.4 | 1.0 |
| **20 - 10** | 30.4 | 36.0 | 27.0 | 24.8 | 13.2 | 2.0 | 3.0 | 21.0 | 22.8 | 7.9 | 5 | 9.4 | 1.0 |
| **22 - 11** | 33.3 | 39.6 | 28.2 | 27.4 | 14.4 | 2.0 | 3.0 | 23.9 | 24.6 | 7.9 | 5 | 10.2 | 1.0 |
| **25 - 10** | 37.5 | 44.9 | 27.6 | 31.4 | 14.3 | 2.0 | 3.0 | 28.0 | 27.6 | 7.9 | 5 | 12.6 | 1.0 |
| **25 - 12** | 37.5 | 44.9 | 30.2 | 31.4 | 16.4 | 2.0 | 3.0 | 28.0 | 27.6 | 7.9 | 5 | 12.6 | 1.0 |
| **30 - 10** | 44.8 | 53.5 | 27.9 | 36.9 | 14.1 | 2.0 | 3.0 | 35.4 | 33.1 | 7.9 | 5 | 13.0 | 1.0 |
| **30 - 14** | 44.8 | 53.5 | 31.7 | 36.9 | 17.9 | 2.0 | 3.0 | 35.4 | 33.1 | 7.9 | 5 | 13.0 | 1.0 |

**All dimensions are in inches.**

# Side Discharge RSZ Dimensional Data

## RSZ Model: Backward Curved Exhaust Fans

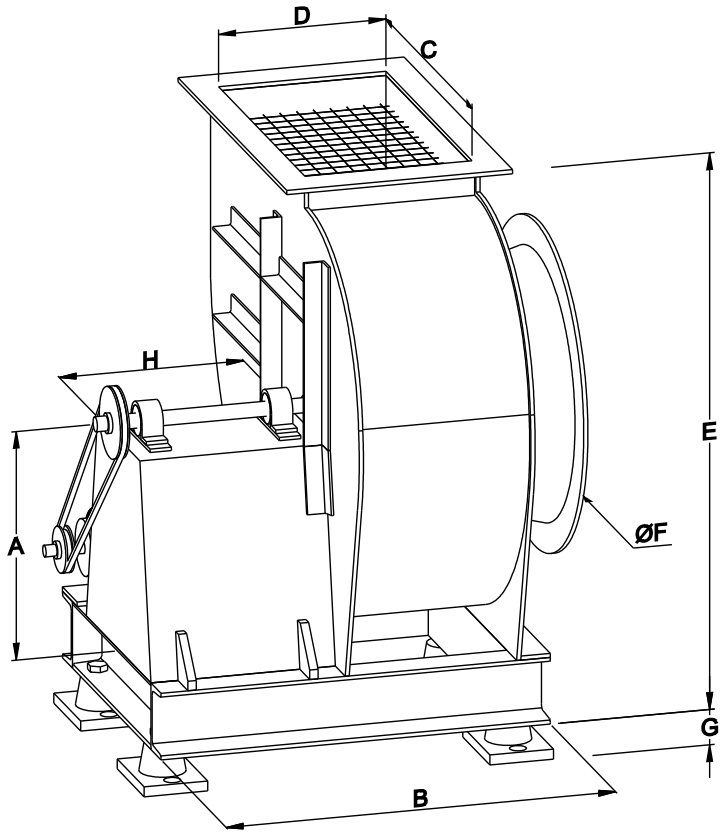



| Fan size | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| **180** | 6.5 | 13.6 | 9.1 | 4.5 | 18.2 | 9.3 | 2 | 9.5 |
| **200** | 7.1 | 14.2 | 10.1 | 5.2 | 19.7 | 10.0 | 2 | 9.5 |
| **250** | 8.7 | 15.5 | 12.7 | 6.5 | 23.4 | 11.8 | 2 | 9.5 |
| **280** | 9.4 | 18.4 | 14.2 | 7.2 | 25.6 | 13.8 | 2 | 12.0 |
| **315** | 10.2 | 19.4 | 15.9 | 8.1 | 27.8 | 15.4 | 2 | 12.1 |
| **355** | 11.8 | 23.6 | 17.8 | 9.1 | 31.6 | 16.5 | 2 | 15.2 |
| **400** | 13.0 | 24.6 | 20.0 | 10.1 | 35.3 | 17.3 | 3 | 15.2 |
| **450** | 15.0 | 27.5 | 22.4 | 11.3 | 39.6 | 18.9 | 3 | 17.3 |
| **500** | 16.9 | 28.5 | 25.2 | 12.4 | 43.8 | 20.9 | 3 | 17.3 |
| **560** | 17.7 | 30.3 | 28.1 | 14.2 | 47.0 | 23.6 | 3 | 17.5 |
| **630** | 19.7 | 35.0 | 31.5 | 15.7 | 52.0 | 26.0 | 3 | 21.3 |
| **710** | 22.0 | 37.4 | 35.4 | 18.1 | 58.1 | 28.7 | 3 | 21.5 |
| **800** | 25.6 | 39.8 | 39.6 | 20.0 | 65.4 | 31.9 | 3 | 21.9 |
| **900** | 29.5 | 47.8 | 44.5 | 22.4 | 73.7 | 39.4 | 3 | 27.9 |

**All dimensions are in inches.**

# Top Discharge RSZ Dimensional Data

## RSZ Model: Backward Curved Exhaust Fans




| Fan size | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| **180** | 7.1 | 13.6 | 9.1 | 4.5 | 16.1 | 9.3 | 2 | 9.5 |
| **200** | 7.9 | 14.2 | 10.1 | 5.2 | 17.5 | 10.0 | 2 | 9.5 |
| **250** | 9.8 | 15.5 | 12.7 | 6.5 | 20.7 | 11.8 | 2 | 9.5 |
| **280** | 11.0 | 18.4 | 14.2 | 7.2 | 22.2 | 13.8 | 2 | 12.0 |
| **315** | 12.4 | 19.4 | 15.9 | 8.1 | 23.4 | 15.4 | 2 | 12.1 |
| **355** | 14.0 | 23.6 | 17.8 | 9.1 | 24.6 | 16.5 | 2 | 15.2 |
| **400** | 15.7 | 24.6 | 20.0 | 10.1 | 31.5 | 17.3 | 3 | 15.2 |
| **450** | 17.7 | 27.5 | 22.4 | 11.3 | 35.2 | 18.9 | 3 | 17.3 |
| **500** | 19.7 | 28.5 | 25.2 | 12.4 | 37.8 | 20.9 | 3 | 17.3 |
| **560** | 22.0 | 30.3 | 28.1 | 14.2 | 42.3 | 23.6 | 3 | 17.5 |
| **630** | 23.6 | 35.0 | 31.5 | 15.7 | 44.7 | 26.0 | 3 | 21.3 |
| **710** | 26.8 | 37.4 | 35.4 | 18.1 | 50.4 | 28.7 | 3 | 21.5 |
| **800** | 29.5 | 39.8 | 39.6 | 22.1 | 56.3 | 31.9 | 3 | 21.9 |
| **900** | 33.5 | 47.8 | 44.5 | 24.4 | 63.0 | 39.4 | 3 | 27.9 |

**All dimensions are in inches.**

## Weights

### Forward Curved Fan

| Size | 9 - 3 | 10 - 4 | 10 - 5 | 12 - 4 | 12 - 6 | 15 - 5 | 15 - 7 | 18 - 6 |
|---|---|---|---|---|---|---|---|---|
| Weight (lb) | 83 | 90 | 92 | 112 | 116 | 130 | 136 | 170 |

| Size | 18 - 9 | 20 - 7 | 20 - 10 | 22 - 11 | 25 - 10 | 25 - 12 | 30 - 10 | 30 -14 |
|---|---|---|---|---|---|---|---|---|
| Weight (lb) | 183 | 276 | 294 | 330 | 410 | 424 | 510 | 546 |

### Backward Curved Fan

| Size | 315 | 400 | 450 | 500 | 560 | 630 | 710 | 800 | 900 |
|---|---|---|---|---|---|---|---|---|---|
| Weight (lb) | 62 | 97 | 115 | 134 | 203 | 243 | 293 | 350 | 416 |

### Motor

| Power (hp) | 0.5 | 0.75 | 1 | 1.5 | 2 | 3 | 4 | 5 | 7.5 | 10 | 15 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weight (lb) | 18 | 25 | 27 | 36 | 40 | 53 | 67 | 82 | 111 | 153 | 190 | 265 |

## Fan Installation

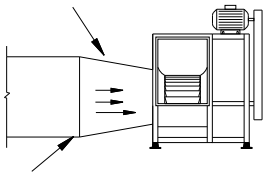
Special attention should be made in fan installation. Improper installation will adversely affect fan and system performance resulting in increased energy consumption. This may also increase noise levels. The ideal fan installation has long sections of straight duct at fan inlet and outlet. Duct elbow and branches located too close to the fan, and abrupt changes in duct size are some features that cause air stream turbulence.

The impact of these features can be minimized by proper installation, use of turning vanes and use of smooth transition sections.
The sketches below intend to show correct and incorrect methods for handling the most common fan installations. Several good references are available on the subjects of fan performance and fan installation.
Some of these references are published by AMCA and ASHRAE.

## Typical Inlet Conditions

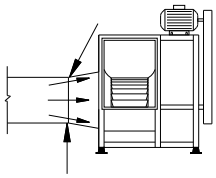
### Correct Installations

Limit slope to 15° converging

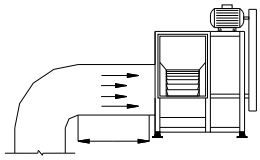


Cross-sectional area not greater than 112 % of inlet area .

Limit slope to 15° converging

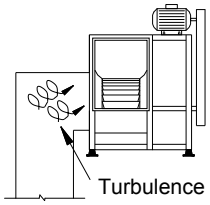


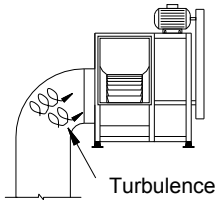
Cross-sectional area not greater than 92 % of inlet area .

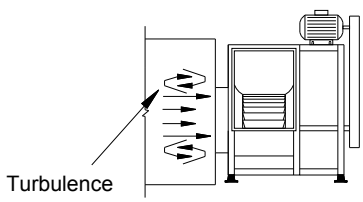


Minimum of 2.5 inlet diameter (3 recommended)

### Incorrect Installations



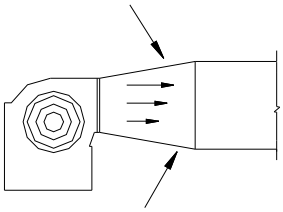



# Typical Outlet Conditions

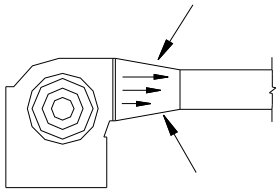
## Correct Installations

Limit slope to 15° converging

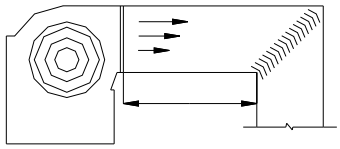


Cross-sectional area not greater than 105% of outlet area .

Limit slope to 15° converging



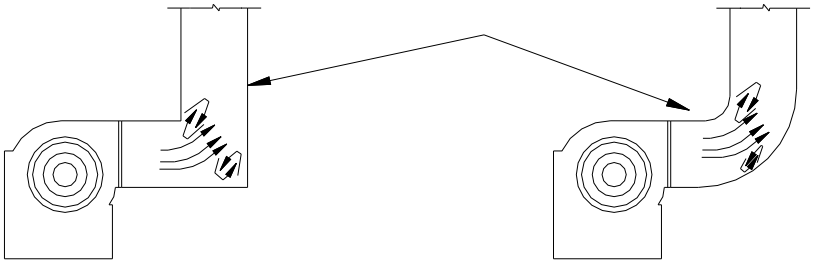
Cross-sectional area not greater than 95% of outlet area .



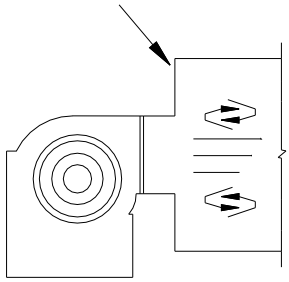
Minimum of 2.5 outlet diameters (3 recommended )

## Incorrect Installations

Turbulence



Turbulence



# Schematic of Fan Installation