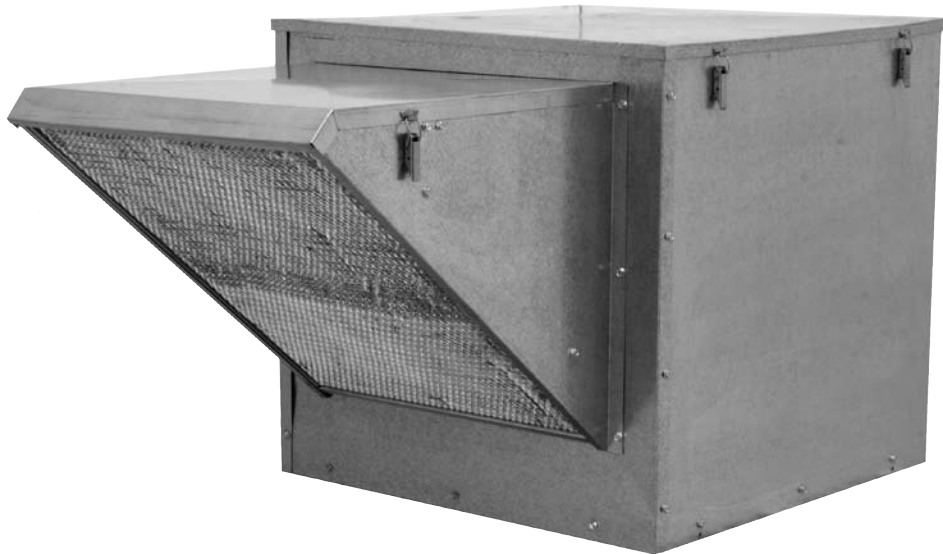


# KSF Centrifugal Filtered Supply Fans

Belt Drive

Catalog KSF01-July 2007



The World's Leading Producer of  
**Air Movement Products**



Soler & Palau USA, Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

Soler&Palau  Ventilation Group

COMMERCIAL PRODUCT LINE

## Application

Model KSF fans are roof curb or curb cap mounted filtered supply fans rated from 375 to over 12,000 CFM, with static pressure capabilities to 2 inches. The primary use of these fans is for filtered make-up air in kitchen hood applications but may also be specified for make-up air in commercial and industrial applications such as manufacturing and assembly areas.

Model KSF's rugged design with heavy-gauge galvanized construction provides maximum weather protection, long life and the utmost in performance efficiency. The forward curved centrifugal blower provides efficient air flow at low sound levels with static pressure capabilities to handle ducted air systems or hoods within a building.

Filters are washable and are reusable to reduce maintenance costs. Quick release hood latches make routine cleaning and maintenance fast and easy.

Model KSF is backed by the industry's best warranty - five year fan/bearing protection and one year motor warranty (see warranty details on Page 3). All fans are factory test run before shipping for quality assurance.

## Construction/Specification Checklist Blower

- Statically and dynamically balanced forward curved wheel.
- 12-gauge galvanized steel blower plate/discharge opening.
- 18-gauge galvanized steel housing.
- Prepunched mounting holes.
- Conduit opening for wiring from below unit.
- Disconnect switch is standard equipment (Except with 2 speed and explosion proof motors).

## Motors

- 1 year warranty.
- Brands are nationally recognized and locally serviced.
- Single speed open drip-proof are standard.
- Explosion-proof, totally enclosed and two-speed motors are available.
- All motors are rated for continuous duty.
- 182T and larger motors shipped unmounted for field installation.
- Disconnect switch standard with single speed drip-proof motors (Except with 2 speed and explosion proof motors).

## Hood

- Heavy-gauge galvanized steel hood.
- Quick-release latches for removal from housing.
- Insulated for sound absorption and moisture barrier.
- 1 inch washable aluminum mesh filters.

## Drives

- Adjustable motor pulleys are standard.
- Sized for minimum 150% of drive horsepower.
- Machined cast iron adjustable motor pulleys.
- Pivoting motor plate for belt tensioning.
- Nonstatic oil resistant V-belts.

## Certifications

- AMCA Air and Sound Licensed.
- cULus Standard 705 Listed Power Roof Ventilator label assures electrical reliability.
- cULus label must be specified when needed.

## Options/Accessories

**Intake Extension:** Extensions are available for all size KSF fans to provide NFPA required clearance from the exhaust fan on factory supplied curbs. Extensions are made from heavy-gauge galvanized steel and require equipment supports on the intake end.

**Roof Curb:** Prefabricated heavy-gauge galvanized steel, welded construction, 12" high with 1-1/2" wood nailer. Options include single and double pitch construction and additional curb heights.

**Dampers:** Motor operated for positive closure against backdraft or automatic (counter balanced).

**Motors:** Two speed motors, high efficiency motors, totally enclosed explosion resistant and others are available.

**Duct Adapter:** For ease in connecting discharge duct to fan outlet.

**Common Curb:** Designed to allow both the supply fan and exhaust fan to be mounted on the same curb. This curb requires only one roof opening and speeds installation time.

**Special Coatings:** Epoxy, Heresite and Synthetic Resin are available when special coatings are required.

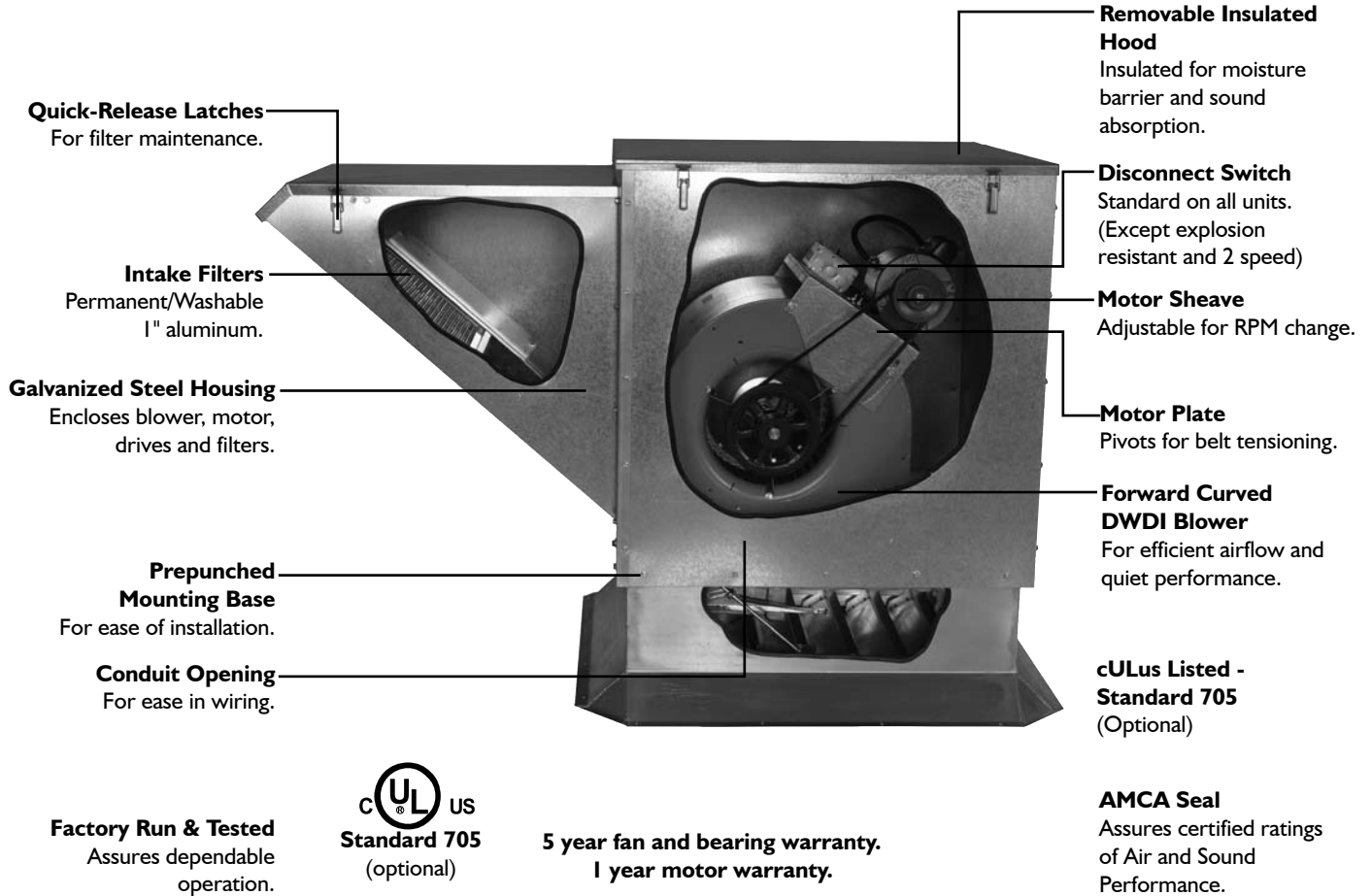
## Optimizer Selection Program

Please refer to Soler & Palau USA's Optimizer Program for fan curve, submittal information and other details of the KSF series and other Soler & Palau USA products. Visit Soler & Palau USA's website, [www.solerpalau-usa.com](http://www.solerpalau-usa.com) to download a copy.

All specifications are subject to change without notice unless approved in submittal by Soler & Palau USA.



## Model KSF



## Typical Specifications

Roof mounted, filtered supply fans shall be double width/double inlet, forward curved centrifugal blower type. Fan housing and drive components shall have a 5 year warranty. Motor warranty shall be 1 year. All units to be cULus 705 listed. All units shall be AMCA Licensed for Air and Sound Performance. Ratings include the filter in place.

Model KSF shall be heavy-gauge galvanized steel. Insulated hood to have quick release latches so tools are not required for removal. Filters shall be 1 inch, washable aluminum style, easily accessible for servicing.

All bases to be prepunched for curb mounting. All units are to be factory test run before shipping. Bearings shall be sized for 200,000 hour life with a 5 Year warranty. Motor sheaves shall be adjustable for a minimum 150% of drive horsepower. Fan shall be Model KSF manufactured by **Soler & Palau USA**, Jacksonville, Florida.

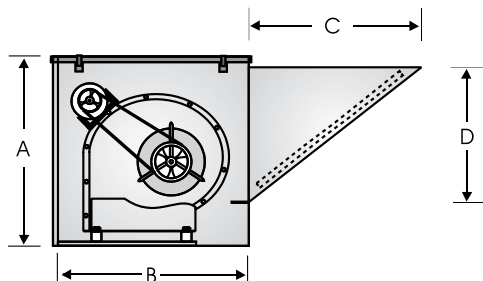
### SOLER & PALAU USA LIMITED WARRANTY

**Soler & Palau USA** (manufacturer), 6393 Powers Avenue, Jacksonville, Florida 32217, warrants the KSF to be free from defects in design, materials and workmanship (exclusive of abrasion, corrosion or erosion) for five (5) years from the date of shipment to the original purchaser or the date of notification of readiness to ship. Motor warranty is one (1) year. In order to claim the benefit of this warranty, buyer must notify manufacturer in writing of the claimed defect within ten (10) days after discovering it and return this equipment or parts to the factory with transportation prepaid. In the event of on-site repair, no service technician will be dispatched until manufacturer receives your written purchase order. If any of the following conditions exist, the warranty will be null and void: **(1)** Buyer has permitted other persons not approved or authorized by manufacturer to alter, adjust, replace or repair the equipment or any part thereof. **(2)** Buyer has not followed instructions or other directions given in the contract documents or our maintenance manual. **(3)** When breakage or other loss or damage is the result of any negligence, misuse or fault on the part of any operator or other person not under our supervision or control. **(4)** The defect is the result of designs or drawings made, furnished or specified by others. **(5)** In the case of goods not manufactured but supplied by the manufacturer as part of a contract, manufacturer shall only be liable to the same extent that our supplier is to manufacturer, not to exceed any liability manufacturer would have for warranty on our own equipment. **(6)** Buyer has not paid in full any invoices submitted to buyer which are due for payment. **(7)** Unusual wear and tear of the equipment. Statements relating to the product, its use or installation made prior to the execution of the agreement, are not warranties except to the extent that the contrary is expressly set forth herein. It is understood that such statements were not intended to, and did not, form a part of the agreement; they were merely made in the course of negotiations of the parties. **THIS WARRANTY IS IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. OUR SOLE AND EXCLUSIVE OBLIGATION UNDER THIS WARRANTY IS TO REPAIR OR REPLACE DEFECTIVE EQUIPMENT OR PARTS OR, AT OUR OPTION, TO PAY THE REASONABLE COST OF REPAIR OR REPLACEMENT. BUYER AGREES THAT NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES, DAMAGES FOR LOST PROFITS OR SALES, OR DAMAGES FOR INJURIES TO PERSON OR PROPERTY) SHALL BE AVAILABLE. NOTWITHSTANDING THE ABOVE, THE TOTAL AMOUNT THAT MAY IN ANY EVENT BE PAYABLE IN SETTLEMENT OF LIABILITY, HOWEVER INCURRED, SHALL NOT EXCEED THE CONTRACT PRICE.**



# Performance/Dimensional Data

## KSF9



Soler & Palau USA, Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

| DIMENSIONAL DATA |              |         |             |        |    |        |    |         |
|------------------|--------------|---------|-------------|--------|----|--------|----|---------|
| Damper OD        | Roof Opening | Curb OD | Curb Cap ID | A      | B  | C      | D  | Ship Wt |
| 16               | 19-1/2       | 22-3/4  | 24          | 23-1/4 | 24 | 17-1/2 | 18 | 215     |

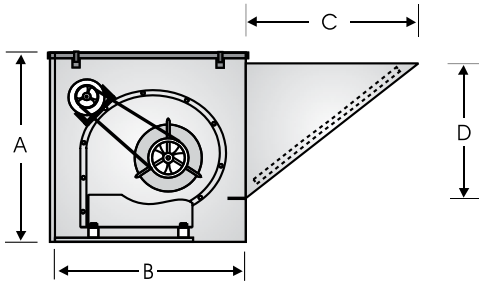
| HP    | CFM  | OV   | 1/8 SP |      | 1/4 SP |      | 3/8 SP |      | 1/2 SP |      | 5/8 SP |      | 3/4 SP |      | 1 SP |      | 1-1/4 SP |      | 1-1/2 SP |      | 2 SP |      | HP    |
|-------|------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|----------|------|----------|------|------|------|-------|
|       |      |      | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM  | BHP  | RPM      | BHP  | RPM      | BHP  | RPM  | BHP  |       |
| 1/4   | 375  | 458  | 437    | 0.02 |        |      |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 475  | 580  | 453    | 0.03 |        |      |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 575  | 702  | 482    | 0.04 | 623    | 0.06 |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 675  | 825  | 519    | 0.05 | 642    | 0.08 |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 775  | 947  | 558    | 0.07 | 669    | 0.10 | 775    | 0.13 |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 875  | 1069 | 598    | 0.09 | 704    | 0.12 | 798    | 0.15 |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 975  | 1191 | 642    | 0.12 | 742    | 0.15 | 828    | 0.18 | 912    | 0.22 | 995    | 0.26 |        |      |      |      |          |      |          |      |      |      |       |
|       | 1075 | 1313 | 689    | 0.15 | 780    | 0.19 | 864    | 0.22 | 940    | 0.26 | 1016   | 0.30 | 1092   | 0.34 |      |      |          |      |          |      |      |      |       |
|       | 1175 | 1435 | 738    | 0.19 | 820    | 0.23 | 901    | 0.27 | 973    | 0.31 | 1043   | 0.35 | 1113   | 0.39 | 1250 | 0.49 |          |      |          |      |      |      |       |
|       | 1275 | 1558 | 789    | 0.24 | 862    | 0.28 | 939    | 0.32 | 1010   | 0.36 | 1075   | 0.41 | 1139   | 0.45 | 1267 | 0.55 |          |      |          |      |      |      |       |
| 1/3   | 1375 | 1680 | 839    | 0.29 | 906    | 0.33 | 979    | 0.38 | 1047   | 0.42 | 1110   | 0.47 | 1170   | 0.52 | 1289 | 0.62 | 1407     | 0.73 |          |      |      |      |       |
| 1/2   | 1475 | 1802 | 891    | 0.35 | 953    | 0.40 | 1020   | 0.44 | 1086   | 0.49 | 1147   | 0.54 | 1205   | 0.59 | 1316 | 0.70 | 1427     | 0.81 | 1536     | 0.93 |      |      |       |
|       | 1575 | 1924 | 943    | 0.42 | 1002   | 0.47 | 1062   | 0.52 | 1126   | 0.57 | 1185   | 0.62 | 1242   | 0.67 | 1347 | 0.79 | 1451     | 0.90 | 1554     | 1.02 |      |      |       |
|       | 1675 | 2046 | 995    | 0.50 | 1051   | 0.55 | 1106   | 0.60 | 1166   | 0.66 | 1224   | 0.71 | 1279   | 0.77 | 1381 | 0.88 | 1479     | 1.00 | 1577     | 1.13 | 1769 | 1.40 | 1-1/2 |
| 3/4   | 1775 | 2168 | 1048   | 0.59 | 1101   | 0.65 | 1152   | 0.70 | 1207   | 0.75 | 1264   | 0.81 | 1318   | 0.87 | 1417 | 0.99 | 1510     | 1.11 | 1603     | 1.25 | 1789 | 1.52 | 2     |
|       | 1875 | 2290 | 1100   | 0.69 | 1152   | 0.75 | 1200   | 0.80 | 1250   | 0.86 | 1304   | 0.92 | 1357   | 0.98 | 1455 | 1.10 | 1545     | 1.23 | 1632     | 1.37 | 1807 | 1.66 |       |
| 1     | 1975 | 2413 | 1153   | 0.80 | 1203   | 0.86 | 1249   | 0.92 | 1296   | 0.98 | 1346   | 1.04 | 1397   | 1.11 | 1493 | 1.23 | 1581     | 1.37 | 1665     | 1.51 | 1831 | 1.80 | 2     |
|       | 2075 | 2535 | 1206   | 0.92 | 1254   | 0.99 | 1299   | 1.05 | 1343   | 1.11 | 1389   | 1.17 | 1437   | 1.24 | 1531 | 1.38 | 1619     | 1.51 | 1700     | 1.65 | 1858 | 1.96 |       |
| 1-1/2 | 2175 | 2657 | 1259   | 1.06 | 1306   | 1.12 | 1349   | 1.19 | 1391   | 1.25 | 1433   | 1.32 | 1479   | 1.39 | 1571 | 1.53 | 1656     | 1.67 | 1736     | 1.81 |      |      |       |
|       | 2275 | 2779 | 1313   | 1.20 | 1358   | 1.27 | 1400   | 1.34 | 1440   | 1.41 | 1480   | 1.47 | 1522   | 1.54 | 1611 | 1.70 | 1695     | 1.84 | 1774     | 1.99 |      |      |       |
|       | 2375 | 2901 | 1366   | 1.36 | 1410   | 1.43 | 1451   | 1.50 | 1489   | 1.57 | 1528   | 1.64 | 1566   | 1.72 | 1651 | 1.87 | 1734     | 2.03 | 1811     | 2.18 |      |      |       |

Power ratings (BHP) do not include transmission losses. Performance certified is for installation type B-free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

| Sound Power Levels in Decibels |       |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|--------------------------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| RPM                            | SP    | LW <sub>o</sub> -1 | LW <sub>o</sub> -2 | LW <sub>o</sub> -3 | LW <sub>o</sub> -4 | LW <sub>o</sub> -5 | LW <sub>o</sub> -6 | LW <sub>o</sub> -7 | LW <sub>o</sub> -8 | LW <sub>o</sub> -A |
| 500                            | 0.125 | 73                 | 69                 | 60                 | 54                 | 51                 | 49                 | 45                 | 38                 | 59                 |
| 600                            | 0.125 | 76                 | 76                 | 66                 | 60                 | 57                 | 55                 | 52                 | 44                 | 65                 |
| 700                            | 0.125 | 78                 | 82                 | 72                 | 65                 | 62                 | 59                 | 58                 | 51                 | 71                 |
| 700                            | 0.250 | 79                 | 80                 | 71                 | 63                 | 60                 | 57                 | 56                 | 48                 | 69                 |
| 800                            | 0.125 | 80                 | 85                 | 77                 | 69                 | 66                 | 63                 | 62                 | 56                 | 75                 |
| 800                            | 0.250 | 81                 | 83                 | 76                 | 68                 | 64                 | 61                 | 60                 | 53                 | 73                 |
| 900                            | 0.125 | 82                 | 87                 | 81                 | 73                 | 69                 | 67                 | 66                 | 61                 | 78                 |
| 900                            | 0.250 | 83                 | 86                 | 81                 | 72                 | 68                 | 65                 | 64                 | 58                 | 77                 |
| 1000                           | 0.125 | 85                 | 88                 | 85                 | 77                 | 72                 | 70                 | 68                 | 65                 | 81                 |
| 1000                           | 0.250 | 84                 | 88                 | 85                 | 76                 | 71                 | 68                 | 67                 | 63                 | 80                 |
| 1000                           | 0.500 | 85                 | 88                 | 84                 | 75                 | 69                 | 66                 | 64                 | 60                 | 79                 |
| 1100                           | 0.250 | 85                 | 89                 | 88                 | 79                 | 74                 | 71                 | 69                 | 66                 | 83                 |
| 1100                           | 0.500 | 87                 | 89                 | 87                 | 78                 | 72                 | 69                 | 67                 | 63                 | 82                 |
| 1200                           | 0.125 | 88                 | 92                 | 92                 | 83                 | 77                 | 75                 | 73                 | 71                 | 87                 |
| 1200                           | 0.500 | 88                 | 91                 | 90                 | 82                 | 75                 | 72                 | 70                 | 67                 | 85                 |
| 1300                           | 0.250 | 89                 | 92                 | 95                 | 85                 | 79                 | 76                 | 74                 | 73                 | 89                 |
| 1300                           | 1.000 | 90                 | 93                 | 93                 | 84                 | 76                 | 73                 | 71                 | 68                 | 87                 |
| 1400                           | 0.500 | 90                 | 93                 | 97                 | 87                 | 80                 | 77                 | 74                 | 73                 | 91                 |
| 1500                           | 1.000 | 92                 | 95                 | 97                 | 89                 | 80                 | 77                 | 74                 | 73                 | 92                 |
| 1600                           | 1.500 | 93                 | 96                 | 98                 | 91                 | 82                 | 79                 | 76                 | 74                 | 93                 |

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet L<sub>w</sub>o sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection.

# KSF10



**UL** US  
Standard 705  
(optional)



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| DIMENSIONAL DATA |              |         |             |        |    |      |    |         |
|------------------|--------------|---------|-------------|--------|----|------|----|---------|
| Damper OD        | Roof Opening | Curb OD | Curb Cap ID | A      | B  | C    | D  | Ship Wt |
| 20               | 23-1/2       | 26-1/2  | 28          | 27-1/4 | 28 | 22.5 | 21 | 245     |

| HP    | CFM  | OV   | 1/8 SP |      | 1/4 SP |      | 3/8 SP |      | 1/2 SP |      | 5/8 SP |      | 3/4 SP |      | 1 SP |      | 1-1/4 SP |      | 1-1/2 SP |      | 2 SP |      | HP |
|-------|------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|----------|------|----------|------|------|------|----|
|       |      |      | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM  | BHP  | RPM      | BHP  | RPM      | BHP  | RPM  | BHP  |    |
| 1/4   | 1050 | 1011 | 509    | 0.10 | 610    | 0.13 | 696    | 0.17 |        |      |        |      |        |      |      |      |          |      |          |      |      |      |    |
|       | 1150 | 1108 | 537    | 0.12 | 633    | 0.15 | 717    | 0.20 |        |      |        |      |        |      |      |      |          |      |          |      |      |      |    |
|       | 1250 | 1204 | 565    | 0.14 | 658    | 0.18 | 739    | 0.23 | 811    | 0.27 |        |      |        |      |      |      |          |      |          |      |      |      |    |
|       | 1350 | 1300 | 595    | 0.17 | 684    | 0.22 | 762    | 0.26 | 832    | 0.31 | 897    | 0.36 |        |      |      |      |          |      |          |      |      |      |    |
|       | 1450 | 1397 | 626    | 0.20 | 711    | 0.26 | 785    | 0.30 | 855    | 0.35 | 918    | 0.40 | 977    | 0.45 |      |      |          |      |          |      |      |      |    |
| 1/3   | 1650 | 1589 | 689    | 0.28 | 766    | 0.34 | 836    | 0.40 | 901    | 0.45 | 962    | 0.51 | 1019   | 0.57 | 1124 | 0.68 |          |      |          |      |      |      |    |
|       | 1750 | 1686 | 721    | 0.33 | 794    | 0.39 | 863    | 0.45 | 926    | 0.51 | 985    | 0.57 | 1041   | 0.63 | 1143 | 0.75 |          |      |          |      |      |      |    |
| 1/2   | 1850 | 1782 | 753    | 0.38 | 824    | 0.45 | 891    | 0.52 | 954    | 0.57 | 1009   | 0.63 | 1063   | 0.70 | 1164 | 0.83 | 1257     | 0.93 |          |      |      |      |    |
|       | 1950 | 1878 | 786    | 0.44 | 854    | 0.51 | 918    | 0.58 | 978    | 0.64 | 1033   | 0.70 | 1087   | 0.77 | 1186 | 0.91 | 1277     | 1.05 | 1364     | 1.19 |      |      |    |
|       | 2050 | 1975 | 819    | 0.50 | 885    | 0.58 | 946    | 0.65 | 1005   | 0.72 | 1059   | 0.78 | 1111   | 0.85 | 1208 | 1.00 | 1298     | 1.14 | 1382     | 1.28 |      |      |    |
| 3/4   | 2150 | 2071 | 852    | 0.57 | 916    | 0.65 | 975    | 0.73 | 1032   | 0.81 | 1085   | 0.87 | 1135   | 0.93 | 1231 | 1.09 | 1319     | 1.24 | 1402     | 1.39 |      |      |    |
|       | 2250 | 2167 | 886    | 0.65 | 948    | 0.73 | 1004   | 0.81 | 1060   | 0.89 | 1112   | 0.97 | 1161   | 1.03 | 1254 | 1.18 | 1342     | 1.35 | 1422     | 1.50 |      |      |    |
|       | 2350 | 2264 | 921    | 0.73 | 980    | 0.81 | 1034   | 0.90 | 1088   | 0.99 | 1139   | 1.07 | 1187   | 1.14 | 1278 | 1.29 | 1364     | 1.46 | 1444     | 1.62 | 1592 | 1.95 | 2  |
| 1     | 2450 | 2360 | 955    | 0.82 | 1012   | 0.91 | 1065   | 0.99 | 1116   | 1.09 | 1167   | 1.18 | 1214   | 1.26 | 1303 | 1.40 | 1387     | 1.57 | 1466     | 1.75 | 1612 | 2.09 |    |
|       | 2550 | 2456 | 990    | 0.92 | 1044   | 1.01 | 1096   | 1.10 | 1145   | 1.19 | 1194   | 1.29 | 1241   | 1.38 | 1328 | 1.52 | 1411     | 1.70 | 1489     | 1.88 | 1632 | 2.24 |    |
| 1-1/2 | 2650 | 2552 | 1025   | 1.03 | 1076   | 1.12 | 1128   | 1.21 | 1175   | 1.31 | 1222   | 1.41 | 1269   | 1.51 | 1354 | 1.66 | 1435     | 1.83 | 1512     | 2.02 | 1654 | 2.40 | 3  |
|       | 2750 | 2649 | 1060   | 1.15 | 1109   | 1.23 | 1159   | 1.33 | 1205   | 1.43 | 1251   | 1.53 | 1296   | 1.64 | 1381 | 1.81 | 1459     | 1.97 | 1535     | 2.16 | 1675 | 2.56 |    |
|       | 2850 | 2745 | 1096   | 1.27 | 1142   | 1.36 | 1191   | 1.46 | 1236   | 1.56 | 1280   | 1.66 | 1324   | 1.77 | 1407 | 1.97 | 1485     | 2.13 | 1559     | 2.32 | 1698 | 2.73 |    |
|       | 2950 | 2841 | 1131   | 1.40 | 1175   | 1.49 | 1224   | 1.59 | 1267   | 1.70 | 1310   | 1.81 | 1353   | 1.92 | 1435 | 2.13 | 1511     | 2.30 | 1583     | 2.48 |      |      |    |
| 2     | 3050 | 2938 | 1167   | 1.55 | 1209   | 1.63 | 1255   | 1.74 | 1299   | 1.85 | 1340   | 1.96 | 1381   | 2.07 | 1462 | 2.30 | 1537     | 2.48 | 1608     | 2.66 |      |      |    |

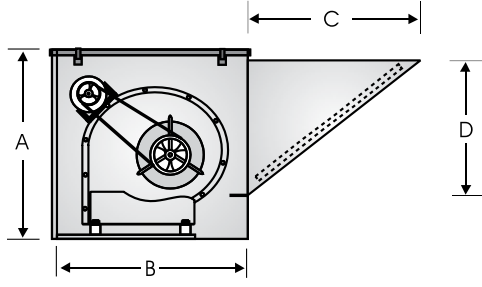
Power ratings (BHP) do not include transmission losses. Performance certified is for installation type B-free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

| Sound Power Levels in Decibels |       |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|--------------------------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| RPM                            | SP    | LW <sub>0-1</sub> | LW <sub>0-2</sub> | LW <sub>0-3</sub> | LW <sub>0-4</sub> | LW <sub>0-5</sub> | LW <sub>0-6</sub> | LW <sub>0-7</sub> | LW <sub>0-8</sub> | LW <sub>0-A</sub> |
| 600                            | 0.125 | 78                | 76                | 67                | 66                | 64                | 62                | 61                | 55                | 70                |
| 700                            | 0.125 | 80                | 82                | 71                | 70                | 68                | 66                | 66                | 60                | 75                |
| 700                            | 0.250 | 79                | 81                | 69                | 68                | 66                | 64                | 64                | 57                | 73                |
| 800                            | 0.125 | 82                | 85                | 76                | 74                | 72                | 70                | 69                | 65                | 78                |
| 800                            | 0.250 | 82                | 84                | 75                | 72                | 70                | 68                | 68                | 63                | 77                |
| 900                            | 0.125 | 85                | 87                | 81                | 77                | 75                | 73                | 72                | 68                | 81                |
| 900                            | 0.250 | 84                | 87                | 80                | 76                | 74                | 72                | 71                | 68                | 81                |
| 900                            | 0.500 | 84                | 85                | 78                | 73                | 71                | 69                | 68                | 64                | 78                |
| 1000                           | 0.125 | 86                | 89                | 85                | 79                | 78                | 76                | 75                | 72                | 84                |
| 1000                           | 0.250 | 86                | 89                | 84                | 79                | 77                | 75                | 74                | 71                | 84                |
| 1000                           | 0.500 | 86                | 88                | 83                | 76                | 75                | 73                | 72                | 68                | 82                |
| 1100                           | 0.125 | 88                | 91                | 87                | 82                | 80                | 78                | 77                | 75                | 87                |
| 1100                           | 0.250 | 88                | 91                | 88                | 81                | 80                | 78                | 76                | 74                | 86                |
| 1100                           | 0.500 | 88                | 90                | 87                | 79                | 78                | 76                | 75                | 72                | 85                |
| 1200                           | 0.500 | 89                | 92                | 92                | 82                | 81                | 79                | 77                | 76                | 88                |
| 1200                           | 1.000 | 88                | 91                | 88                | 79                | 77                | 75                | 73                | 71                | 85                |
| 1300                           | 1.000 | 90                | 93                | 92                | 82                | 80                | 79                | 77                | 76                | 88                |
| 1400                           | 1.000 | 92                | 94                | 96                | 84                | 83                | 81                | 79                | 79                | 91                |
| 1400                           | 1.500 | 91                | 94                | 93                | 82                | 80                | 78                | 76                | 74                | 88                |
| 1500                           | 1.500 | 92                | 95                | 96                | 85                | 83                | 81                | 79                | 78                | 91                |

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet Lw<sub>0</sub> sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection.



# KSF12



**UL** US  
Standard 705  
(optional)



Soler & Palau USA, Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

| DIMENSIONAL DATA |              |         |             |        |    |        |        |         |
|------------------|--------------|---------|-------------|--------|----|--------|--------|---------|
| Damper OD        | Roof Opening | Curb OD | Curb Cap ID | A      | B  | C      | D      | Ship Wt |
| 24               | 28           | 30-1/2  | 32          | 32-1/2 | 32 | 26-3/4 | 26-3/8 | 255     |

Performance/Dimensional Data

| HP    | CFM  | OV   | 1/8 SP |      | 1/4 SP |      | 3/8 SP |      | 1/2 SP |      | 5/8 SP |      | 3/4 SP |      | 1 SP |      | 1-1/4 SP |      | 1-1/2 SP |      | 2 SP |      | HP |
|-------|------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|----------|------|----------|------|------|------|----|
|       |      |      | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM  | BHP  | RPM      | BHP  | RPM      | BHP  | RPM  | BHP  |    |
| 1/4   | 1150 | 1668 | 394    | 0.07 | 498    | 0.10 | 590    | 0.14 | 673    | 0.18 | 747    | 0.23 | 814    | 0.28 | 932  | 0.38 | 1034     | 0.49 | 1125     | 0.61 | 1284 | 0.85 |    |
|       | 1350 | 1958 | 427    | 0.09 | 519    | 0.13 | 604    | 0.17 | 683    | 0.22 | 755    | 0.27 | 822    | 0.32 | 941  | 0.44 | 1045     | 0.55 | 1138     | 0.68 | 1301 | 0.94 |    |
|       | 1600 | 2320 | 473    | 0.14 | 553    | 0.18 | 629    | 0.23 | 701    | 0.28 | 769    | 0.33 | 833    | 0.39 | 951  | 0.51 | 1055     | 0.64 | 1150     | 0.78 | 1316 | 1.07 |    |
|       | 1800 | 2610 | 512    | 0.19 | 586    | 0.23 | 655    | 0.28 | 721    | 0.33 | 785    | 0.39 | 846    | 0.45 | 960  | 0.58 | 1063     | 0.72 | 1158     | 0.86 | 1326 | 1.17 |    |
|       | 2000 | 2900 | 552    | 0.25 | 620    | 0.30 | 684    | 0.35 | 746    | 0.40 | 805    | 0.46 | 863    | 0.53 | 971  | 0.66 | 1072     | 0.80 | 1166     | 0.96 | 1334 | 1.28 |    |
| 1/3   | 2200 | 3190 | 594    | 0.32 | 657    | 0.37 | 716    | 0.43 | 773    | 0.49 | 829    | 0.55 | 883    | 0.61 | 986  | 0.75 | 1084     | 0.90 | 1175     | 1.06 | 1342 | 1.40 |    |
| 1/2   | 2400 | 3480 | 636    | 0.40 | 695    | 0.46 | 751    | 0.52 | 804    | 0.58 | 856    | 0.65 | 907    | 0.71 | 1005 | 0.86 | 1098     | 1.02 | 1187     | 1.18 | 1350 | 1.54 |    |
|       | 2600 | 3770 | 679    | 0.49 | 735    | 0.56 | 787    | 0.62 | 837    | 0.69 | 886    | 0.76 | 934    | 0.83 | 1026 | 0.98 | 1115     | 1.14 | 1200     | 1.31 | 1360 | 1.68 |    |
| 3/4   | 2700 | 3915 | 701    | 0.55 | 755    | 0.62 | 806    | 0.68 | 855    | 0.75 | 902    | 0.82 | 948    | 0.89 | 1038 | 1.05 | 1125     | 1.21 | 1209     | 1.39 | 1366 | 1.76 |    |
|       | 2800 | 4060 | 723    | 0.61 | 776    | 0.68 | 825    | 0.75 | 872    | 0.82 | 918    | 0.89 | 963    | 0.96 | 1051 | 1.12 | 1135     | 1.29 | 1217     | 1.46 | 1372 | 1.84 |    |
|       | 2900 | 4205 | 744    | 0.67 | 796    | 0.74 | 844    | 0.81 | 890    | 0.89 | 935    | 0.96 | 979    | 1.04 | 1064 | 1.20 | 1146     | 1.37 | 1227     | 1.54 | 1379 | 1.93 |    |
|       | 3000 | 4350 | 767    | 0.73 | 817    | 0.81 | 864    | 0.88 | 909    | 0.96 | 952    | 1.04 | 995    | 1.11 | 1078 | 1.28 | 1159     | 1.45 | 1237     | 1.63 | 1386 | 2.02 |    |
| 1     | 3100 | 4495 | 789    | 0.80 | 838    | 0.88 | 883    | 0.96 | 927    | 1.04 | 970    | 1.12 | 1011   | 1.20 | 1092 | 1.36 | 1171     | 1.54 | 1247     | 1.72 | 1394 | 2.12 |    |
|       | 3200 | 4640 | 811    | 0.88 | 859    | 0.96 | 903    | 1.04 | 946    | 1.12 | 988    | 1.20 | 1028   | 1.28 | 1107 | 1.45 | 1184     | 1.63 | 1259     | 1.82 | 1403 | 2.22 |    |
|       | 3400 | 4930 | 855    | 1.04 | 901    | 1.13 | 944    | 1.21 | 985    | 1.30 | 1024   | 1.38 | 1063   | 1.47 | 1138 | 1.65 | 1211     | 1.83 | 1283     | 2.03 | 1421 | 2.44 |    |
| 1-1/2 | 3600 | 5220 | 900    | 1.23 | 944    | 1.32 | 985    | 1.41 | 1024   | 1.50 | 1062   | 1.59 | 1099   | 1.68 | 1171 | 1.86 | 1241     | 2.05 | 1310     | 2.25 | 1442 | 2.68 |    |
|       | 3800 | 5510 | 945    | 1.43 | 987    | 1.53 | 1027   | 1.63 | 1064   | 1.72 | 1101   | 1.81 | 1136   | 1.91 | 1205 | 2.10 | 1272     | 2.30 | 1338     | 2.51 | 1466 | 2.94 |    |
| 2     | 4000 | 5800 | 990    | 1.66 | 1031   | 1.76 | 1069   | 1.86 | 1105   | 1.96 | 1140   | 2.06 | 1174   | 2.16 | 1241 | 2.36 | 1305     | 2.57 | 1368     | 2.78 | 1491 | 3.23 |    |
|       | 4200 | 6090 | 1036   | 1.91 | 1075   | 2.02 | 1111   | 2.12 | 1146   | 2.23 | 1180   | 2.33 | 1213   | 2.44 | 1277 | 2.65 | 1339     | 2.86 | 1400     | 3.08 | 1518 | 3.54 |    |
| 3     | 4400 | 6380 | 1081   | 2.18 | 1119   | 2.30 | 1154   | 2.41 | 1188   | 2.52 | 1221   | 2.63 | 1252   | 2.74 | 1314 | 2.96 | 1374     | 3.18 | 1433     | 3.41 | 1547 | 3.88 |    |
|       | 4600 | 6670 | 1127   | 2.48 | 1163   | 2.60 | 1197   | 2.72 | 1230   | 2.84 | 1262   | 2.95 | 1292   | 3.07 | 1352 | 3.30 | 1410     | 3.53 | 1467     | 3.76 | 1577 | 4.25 |    |

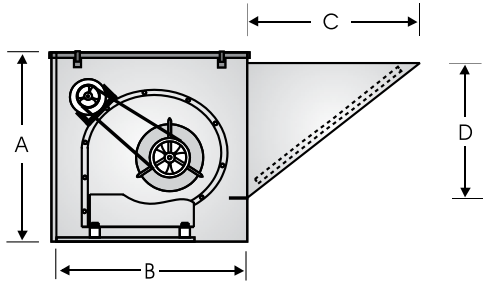
Power ratings (BHP) do not include transmission losses. Performance certified is for installation type B-free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

| Sound Power Levels in Decibels |        |       |       |       |       |       |       |       |       |       |
|--------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RPM                            | SP     | LWo-1 | LWo-2 | LWo-3 | LWo-4 | LWo-5 | LWo-6 | LWo-7 | LWo-8 | LWo-A |
| 400                            | 0.125  | 70    | 62    | 60    | 54    | 53    | 52    | 44    | 36    | 59    |
| 500                            | 0.125  | 77    | 71    | 68    | 64    | 61    | 60    | 54    | 47    | 67    |
| 500                            | 0.250  | 75    | 69    | 66    | 62    | 58    | 57    | 51    | 43    | 65    |
| 600                            | 0.125  | 83    | 79    | 73    | 71    | 67    | 66    | 62    | 55    | 74    |
| 600                            | 0.250  | 80    | 76    | 70    | 68    | 63    | 62    | 58    | 50    | 70    |
| 700                            | 0.125  | 87    | 84    | 78    | 77    | 71    | 70    | 68    | 61    | 79    |
| 700                            | 0.250  | 85    | 82    | 76    | 75    | 69    | 68    | 65    | 58    | 77    |
| 700                            | 0.500  | 83    | 80    | 74    | 73    | 66    | 65    | 62    | 54    | 74    |
| 800                            | 0.125  | 90    | 89    | 81    | 80    | 74    | 73    | 72    | 65    | 82    |
| 800                            | 0.250  | 89    | 88    | 80    | 78    | 73    | 72    | 71    | 64    | 81    |
| 800                            | 0.500  | 86    | 85    | 77    | 75    | 69    | 68    | 67    | 59    | 78    |
| 900                            | 0.125  | 93    | 92    | 85    | 82    | 78    | 76    | 75    | 69    | 85    |
| 900                            | 0.250  | 92    | 91    | 84    | 82    | 77    | 75    | 74    | 68    | 85    |
| 900                            | 0.500  | 89    | 89    | 82    | 79    | 74    | 72    | 71    | 64    | 82    |
| 1000                           | 0.0125 | 95    | 95    | 89    | 85    | 82    | 79    | 78    | 73    | 88    |
| 1000                           | 0.250  | 94    | 94    | 88    | 85    | 81    | 78    | 77    | 72    | 88    |
| 1000                           | 0.500  | 92    | 92    | 86    | 83    | 79    | 76    | 75    | 69    | 86    |
| 1000                           | 1.000  | 90    | 90    | 84    | 81    | 77    | 73    | 72    | 66    | 84    |
| 1100                           | 1.000  | 92    | 93    | 87    | 83    | 80    | 76    | 75    | 69    | 86    |
| 1200                           | 1.500  | 93    | 95    | 90    | 85    | 83    | 78    | 77    | 72    | 89    |

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet Lwo sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection.



**KSF15**



**UL** US  
Standard 705  
(optional)



Soler & Palau USA, Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

| DIMENSIONAL DATA |              |         |             |        |        |    |        |         |
|------------------|--------------|---------|-------------|--------|--------|----|--------|---------|
| Damper OD        | Roof Opening | Curb OD | Curb Cap ID | A      | B      | C  | D      | Ship Wt |
| 24               | 28           | 30-1/2  | 32          | 37-1/4 | 32-1/2 | 32 | 31-1/2 | 310     |

| HP    | CFM  | OV   | 1/8 SP |      | 1/4 SP |      | 3/8 SP |      | 1/2 SP |      | 5/8 SP |      | 3/4 SP |      | 1 SP |      | 1-1/4 SP |      | 1-1/2 SP |      | 2 SP |      | HP |
|-------|------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|----------|------|----------|------|------|------|----|
|       |      |      | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM  | BHP  | RPM      | BHP  | RPM      | BHP  | RPM  | BHP  |    |
| 1/4   | 1625 | 814  | 349    | 0.10 |        |      |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |    |
|       | 2025 | 1014 | 396    | 0.16 | 464    | 0.21 |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |    |
|       | 2425 | 1215 | 448    | 0.25 | 508    | 0.31 | 563    | 0.38 | 616    | 0.44 |        |      |        |      |      |      |          |      |          |      |      |      |    |
| 1/3   | 2825 | 1415 | 501    | 0.36 | 556    | 0.44 | 605    | 0.51 | 652    | 0.59 | 698    | 0.66 | 743    | 0.75 |      |      |          |      |          |      |      |      |    |
| 1/2   | 3230 | 1618 | 557    | 0.52 | 607    | 0.60 | 652    | 0.69 | 695    | 0.77 | 737    | 0.86 | 777    | 0.95 |      |      |          |      |          |      |      |      |    |
| 3/4   | 3640 | 1824 | 615    | 0.72 | 661    | 0.81 | 703    | 0.91 | 743    | 1.01 | 781    | 1.10 | 817    | 1.20 | 889  | 1.39 | 959      | 1.60 |          |      |      |      |    |
| 1     | 3840 | 1924 | 644    | 0.83 | 688    | 0.93 | 728    | 1.03 | 767    | 1.14 | 803    | 1.24 | 839    | 1.34 | 907  | 1.54 | 974      | 1.75 |          |      |      |      |    |
|       | 4045 | 2026 | 673    | 0.96 | 716    | 1.06 | 755    | 1.17 | 792    | 1.28 | 827    | 1.39 | 862    | 1.49 | 928  | 1.70 | 992      | 1.92 | 1055     | 2.15 |      |      |    |
| 1-1/2 | 4245 | 2127 | 702    | 1.10 | 743    | 1.21 | 781    | 1.32 | 817    | 1.43 | 851    | 1.55 | 885    | 1.66 | 948  | 1.88 | 1010     | 2.11 | 1071     | 2.34 |      |      |    |
|       | 4445 | 2227 | 731    | 1.25 | 771    | 1.36 | 808    | 1.48 | 842    | 1.60 | 876    | 1.72 | 908    | 1.84 | 970  | 2.07 | 1029     | 2.30 | 1088     | 2.54 |      |      |    |
| 2     | 4645 | 2327 | 760    | 1.42 | 799    | 1.54 | 834    | 1.65 | 868    | 1.78 | 901    | 1.90 | 932    | 2.03 | 992  | 2.27 | 1050     | 2.51 | 1106     | 2.76 | 1216 | 2.28 |    |
|       | 4850 | 2430 | 790    | 1.61 | 828    | 1.73 | 862    | 1.85 | 895    | 1.98 | 927    | 2.11 | 957    | 2.24 | 1015 | 2.49 | 1071     | 2.75 | 1126     | 3.00 | 1232 | 3.54 |    |
| 3     | 5050 | 2530 | 820    | 1.81 | 856    | 1.93 | 890    | 2.05 | 922    | 2.19 | 952    | 2.32 | 982    | 2.46 | 1039 | 2.73 | 1093     | 2.99 | 1146     | 3.25 | 1249 | 3.80 |    |
|       | 5200 | 2605 | 842    | 1.96 | 877    | 2.09 | 910    | 2.22 | 942    | 2.35 | 972    | 2.49 | 1001   | 2.63 | 1057 | 2.91 | 1110     | 3.18 | 1162     | 3.45 | 1262 | 4.01 | 5  |
| 5     | 5400 | 2705 | 871    | 2.19 | 906    | 2.32 | 938    | 2.45 | 968    | 2.59 | 998    | 2.74 | 1026   | 2.88 | 1081 | 3.17 | 1133     | 3.45 | 1183     | 3.73 | 1280 | 4.31 |    |
|       | 5600 | 2805 | 901    | 2.43 | 934    | 2.56 | 966    | 2.70 | 996    | 2.85 | 1024   | 2.99 | 1052   | 3.14 | 1105 | 3.45 | 1156     | 3.74 | 1205     | 4.03 | 1300 | 4.62 |    |
| 5     | 5800 | 2906 | 931    | 2.69 | 963    | 2.83 | 994    | 2.97 | 1023   | 3.12 | 1051   | 3.27 | 1078   | 3.43 | 1130 | 3.74 | 1180     | 4.05 | 1228     | 4.35 | 1320 | 4.96 |    |
|       | 6000 | 3006 | 961    | 2.97 | 992    | 3.11 | 1022   | 3.26 | 1050   | 3.41 | 1078   | 3.57 | 1104   | 3.72 | 1155 | 4.05 | 1204     | 4.37 | 1251     | 4.68 |      |      |    |
| 5     | 6400 | 3206 | 1020   | 3.58 | 1050   | 3.73 | 1079   | 3.89 | 1106   | 4.05 | 1132   | 4.21 | 1157   | 4.38 | 1206 | 4.72 |          |      |          |      |      |      |    |
|       | 6800 | 3407 | 1080   | 4.28 | 1109   | 4.44 | 1136   | 4.60 | 1162   | 4.77 | 1187   | 4.94 |        |      |      |      |          |      |          |      |      |      |    |
|       | 7100 | 3557 | 1126   | 4.86 | 1153   | 5.02 |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |    |

Power ratings (BHP) do not include transmission losses. Performance certified is for installation type B-free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

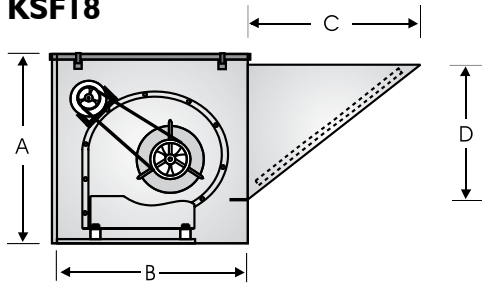
| Sound Power Levels in Decibels |       |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|--------------------------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| RPM                            | SP    | LW <sub>o-1</sub> | LW <sub>o-2</sub> | LW <sub>o-3</sub> | LW <sub>o-4</sub> | LW <sub>o-5</sub> | LW <sub>o-6</sub> | LW <sub>o-7</sub> | LW <sub>o-8</sub> | LW <sub>o-A</sub> |
| 450                            | 0.125 | 71                | 66                | 66                | 65                | 64                | 63                | 57                | 50                | 69                |
| 550                            | 0.125 | 79                | 71                | 71                | 71                | 69                | 69                | 65                | 58                | 75                |
| 550                            | 0.250 | 78                | 70                | 69                | 69                | 67                | 66                | 62                | 55                | 73                |
| 650                            | 0.125 | 85                | 74                | 75                | 76                | 74                | 74                | 72                | 64                | 80                |
| 750                            | 0.125 | 88                | 80                | 78                | 79                | 78                | 77                | 76                | 70                | 84                |
| 750                            | 0.250 | 88                | 80                | 77                | 78                | 76                | 76                | 74                | 68                | 82                |
| 750                            | 0.500 | 87                | 79                | 75                | 76                | 74                | 74                | 71                | 64                | 80                |
| 850                            | 0.125 | 90                | 85                | 80                | 82                | 81                | 80                | 79                | 74                | 87                |
| 850                            | 0.250 | 90                | 84                | 80                | 81                | 80                | 79                | 78                | 73                | 86                |
| 850                            | 0.500 | 89                | 84                | 79                | 80                | 78                | 78                | 76                | 70                | 84                |
| 950                            | 0.125 | 92                | 89                | 83                | 84                | 84                | 83                | 82                | 78                | 90                |
| 950                            | 0.250 | 92                | 89                | 83                | 83                | 83                | 82                | 81                | 77                | 89                |
| 950                            | 0.500 | 92                | 88                | 82                | 82                | 82                | 81                | 79                | 75                | 86                |
| 950                            | 1.000 | 91                | 88                | 81                | 80                | 79                | 78                | 76                | 70                | 85                |
| 1050                           | 0.125 | 94                | 93                | 85                | 86                | 86                | 85                | 85                | 81                | 92                |
| 1050                           | 0.250 | 94                | 93                | 85                | 86                | 86                | 85                | 84                | 80                | 92                |
| 1050                           | 0.500 | 94                | 92                | 84                | 85                | 85                | 83                | 83                | 79                | 90                |
| 1050                           | 1.000 | 93                | 92                | 84                | 83                | 83                | 81                | 80                | 75                | 88                |
| 1150                           | 1.000 | 95                | 95                | 86                | 85                | 86                | 84                | 83                | 79                | 91                |
| 1150                           | 1.500 | 94                | 95                | 86                | 84                | 84                | 82                | 81                | 76                | 90                |

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet Lwo sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection.



Soler & Palau USA, Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

# KSF18



| DIMENSIONAL DATA |              |         |             |        |    |        |        |         |
|------------------|--------------|---------|-------------|--------|----|--------|--------|---------|
| Damper OD        | Roof Opening | Curb OD | Curb Cap ID | A      | B  | C      | D      | Ship Wt |
| 27               | 32           | 34-5/8  | 36          | 41-1/4 | 36 | 35-1/2 | 35-1/2 | 350     |

Performance/Dimensional Data

| HP    | CFM  | OV   | 1/8 SP |      | 1/4 SP |      | 3/8 SP |      | 1/2 SP |      | 5/8 SP |      | 3/4 SP |      | 1 SP |      | 1-1/4 SP |      | 1-1/2 SP |      | 2 SP |      | HP    |
|-------|------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|----------|------|----------|------|------|------|-------|
|       |      |      | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM  | BHP  | RPM      | BHP  | RPM      | BHP  | RPM  | BHP  |       |
| 1/4   | 2350 | 830  | 320    | 0.16 |        |      |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 2450 | 865  | 327    | 0.17 |        |      |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 2650 | 936  | 342    | 0.21 | 407    | 0.28 |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 2850 | 1006 | 358    | 0.24 | 420    | 0.32 |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
| 1/3   | 3060 | 1081 | 375    | 0.29 | 434    | 0.37 | 487    | 0.47 |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
| 1/2   | 3575 | 1262 | 419    | 0.43 | 471    | 0.52 | 520    | 0.62 | 565    | 0.73 |        |      |        |      |      |      |          |      |          |      |      |      |       |
| 3/4   | 4090 | 1444 | 465    | 0.6  | 511    | 0.71 | 556    | 0.83 | 598    | 0.94 |        |      |        |      |      |      |          |      |          |      |      |      |       |
| 1     | 4600 | 1624 | 511    | 0.82 | 553    | 0.95 | 594    | 1.08 | 633    | 1.20 | 670    | 1.33 |        |      |      |      |          |      |          |      |      |      |       |
|       | 4850 | 1713 | 534    | 0.95 | 574    | 1.08 | 613    | 1.22 | 651    | 1.35 | 687    | 1.49 | 722    | 1.63 |      |      |          |      |          |      |      |      |       |
| 1-1/2 | 5110 | 1804 | 559    | 1.10 | 597    | 1.24 | 634    | 1.38 | 670    | 1.52 | 705    | 1.66 | 739    | 1.80 | 802  | 2.11 |          |      |          |      |      |      |       |
|       | 5360 | 1893 | 583    | 1.25 | 619    | 1.40 | 655    | 1.54 | 689    | 1.69 | 723    | 1.84 | 756    | 1.99 | 818  | 2.30 |          |      |          |      |      |      |       |
|       | 5625 | 1986 | 608    | 1.43 | 643    | 1.58 | 677    | 1.74 | 710    | 1.89 | 743    | 2.05 | 774    | 2.20 | 835  | 2.52 | 891      | 2.87 |          |      |      |      |       |
| 2     | 5875 | 2075 | 632    | 1.62 | 665    | 1.78 | 698    | 1.94 | 730    | 2.10 | 762    | 2.26 | 792    | 2.42 | 852  | 2.75 | 907      | 3.10 |          |      |      |      |       |
|       | 6130 | 2165 | 656    | 1.83 | 688    | 1.99 | 720    | 2.16 | 751    | 2.32 | 781    | 2.49 | 811    | 2.66 | 869  | 3.00 | 923      | 3.36 | 974      | 3.73 |      |      |       |
|       | 6380 | 2253 | 680    | 2.04 | 711    | 2.21 | 742    | 2.39 | 772    | 2.56 | 801    | 2.74 | 830    | 2.91 | 886  | 3.27 | 939      | 3.63 | 999      | 4.01 |      |      |       |
| 3     | 6645 | 2646 | 706    | 2.29 | 736    | 2.47 | 765    | 2.65 | 794    | 2.83 | 822    | 3.01 | 850    | 3.20 | 905  | 3.56 | 957      | 3.94 | 1006     | 4.33 |      |      |       |
|       | 7150 | 2525 | 755    | 2.83 | 783    | 3.02 | 811    | 3.21 | 838    | 3.40 | 864    | 3.60 | 890    | 3.80 | 942  | 4.19 | 992      | 4.59 | 1040     | 4.99 | 1129 | 5.85 |       |
| 5     | 7650 | 2701 | 840    | 3.43 | 830    | 3.64 | 856    | 3.84 | 882    | 4.05 | 907    | 4.26 | 931    | 4.47 | 980  | 4.89 | 1028     | 5.31 | 1074     | 5.74 | 1161 | 6.63 | 7-1/2 |
|       | 8150 | 2878 | 854    | 4.12 | 878    | 4.34 | 902    | 4.56 | 926    | 4.78 | 950    | 5.00 | 974    | 5.22 | 1020 | 5.67 | 1065     | 6.12 | 1109     | 6.57 | 1194 | 7.49 |       |
|       | 8650 | 3054 | 903    | 4.90 | 926    | 5.13 | 949    | 5.36 | 972    | 5.59 | 994    | 5.83 | 1017   | 6.06 | 1060 | 6.54 | 1103     | 7.01 | 1146     | 7.49 |      |      |       |
| 7-1/2 | 9152 | 3232 | 953    | 5.77 | 974    | 6.01 | 996    | 6.26 | 1078   | 6.50 | 1039   | 6.75 | 1060   | 7.00 | 1102 | 7.50 |          |      |          |      |      |      |       |

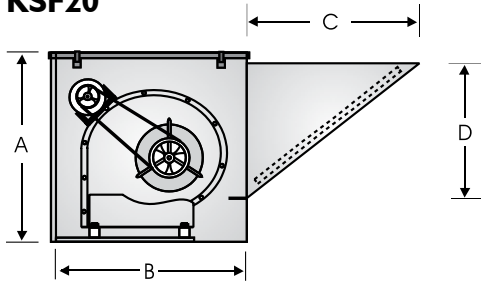
Power ratings (BHP) do not include transmission losses. Performance certified is for installation type B-free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

| Sound Power Levels in Decibels |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RPM                            | SP    | LWo-1 | LWo-2 | LWo-3 | LWo-4 | LWo-5 | LWo-6 | LWo-7 | LWo-8 | LWo-A |
| 400                            | 0.125 | 68    | 66    | 68    | 67    | 66    | 62    | 57    | 51    | 70    |
| 500                            | 0.125 | 77    | 72    | 73    | 73    | 72    | 70    | 65    | 60    | 77    |
| 500                            | 0.250 | 75    | 70    | 71    | 71    | 70    | 68    | 62    | 56    | 75    |
| 600                            | 0.125 | 84    | 77    | 77    | 78    | 77    | 76    | 71    | 66    | 82    |
| 600                            | 0.250 | 82    | 75    | 76    | 77    | 75    | 74    | 69    | 64    | 81    |
| 600                            | 0.500 | 79    | 72    | 73    | 75    | 72    | 71    | 66    | 59    | 77    |
| 700                            | 0.125 | 89    | 80    | 80    | 82    | 81    | 81    | 76    | 71    | 86    |
| 700                            | 0.250 | 88    | 79    | 79    | 81    | 80    | 79    | 75    | 70    | 85    |
| 700                            | 0.500 | 86    | 77    | 78    | 80    | 77    | 77    | 72    | 66    | 83    |
| 800                            | 0.125 | 91    | 85    | 83    | 85    | 84    | 84    | 81    | 75    | 90    |
| 800                            | 0.250 | 91    | 84    | 82    | 84    | 83    | 83    | 79    | 74    | 89    |
| 800                            | 0.500 | 89    | 83    | 81    | 83    | 82    | 81    | 77    | 72    | 87    |
| 900                            | 0.125 | 94    | 90    | 86    | 87    | 87    | 87    | 84    | 79    | 93    |
| 900                            | 0.250 | 93    | 89    | 85    | 87    | 87    | 86    | 83    | 78    | 92    |
| 900                            | 0.500 | 92    | 88    | 84    | 86    | 85    | 84    | 82    | 76    | 91    |
| 900                            | 1.000 | 89    | 85    | 82    | 84    | 83    | 82    | 78    | 73    | 88    |
| 1000                           | 0.500 | 94    | 92    | 87    | 88    | 88    | 87    | 85    | 80    | 94    |
| 1000                           | 1.000 | 92    | 90    | 85    | 86    | 86    | 85    | 83    | 77    | 91    |
| 1000                           | 1.500 | 90    | 88    | 83    | 85    | 84    | 83    | 80    | 74    | 89    |
| 1100                           | 1.500 | 93    | 92    | 86    | 87    | 88    | 86    | 84    | 79    | 93    |

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet Lwo sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection.



# KSF20



Soler & Palau USA, Div. of Soler & Palau Ventilation Group, certifies that the Models KSF shown herein are licensed to bear the AMCA Seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirement of the AMCA Certified Ratings Program.

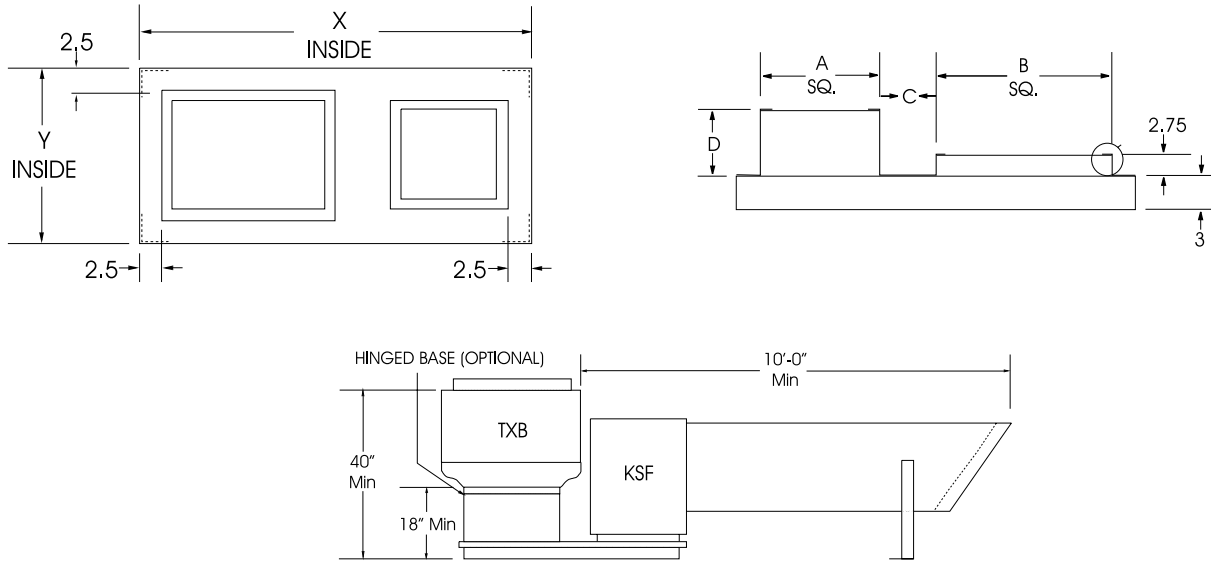
| DIMENSIONAL DATA |              |         |             |        |    |    |    |         |
|------------------|--------------|---------|-------------|--------|----|----|----|---------|
| Damper OD        | Roof Opening | Curb OD | Curb Cap ID | A      | B  | C  | D  | Ship Wt |
| 42               | 46-1/2       | 49      | 51          | 49-1/4 | 51 | 40 | 35 | 650     |

| HP    | CFM   | OV   | 1/8 SP |      | 1/4 SP |      | 3/8 SP |      | 1/2 SP |      | 5/8 SP |      | 3/4 SP |      | 1 SP |      | 1-1/4 SP |      | 1-1/2 SP |      | 2 SP |      | HP    |
|-------|-------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|----------|------|----------|------|------|------|-------|
|       |       |      | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM    | BHP  | RPM  | BHP  | RPM      | BHP  | RPM      | BHP  | RPM  | BHP  |       |
| 1/4   | 2800  | 724  | 230    | 0.15 |        |      |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 3200  | 827  | 245    | 0.20 |        |      |        |      |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
| 1/3   | 3600  | 931  | 262    | 0.26 | 313    | 0.35 | 363    | 0.46 |        |      |        |      |        |      |      |      |          |      |          |      |      |      |       |
|       | 4000  | 1034 | 279    | 0.34 | 326    | 0.44 | 372    | 0.54 | 416    | 0.66 |        |      |        |      |      |      |          |      |          |      |      |      |       |
| 1/2   | 4400  | 1138 | 298    | 0.43 | 341    | 0.54 | 383    | 0.65 | 424    | 0.77 | 464    | 0.90 |        |      |      |      |          |      |          |      |      |      |       |
|       | 4800  | 1241 | 316    | 0.53 | 358    | 0.65 | 396    | 0.77 | 434    | 0.89 | 472    | 1.03 | 508    | 1.18 |      |      |          |      |          |      |      |      |       |
| 3/4   | 5200  | 1345 | 334    | 0.65 | 375    | 0.78 | 411    | 0.91 | 446    | 1.04 | 481    | 1.18 | 515    | 1.33 |      |      |          |      |          |      |      |      |       |
|       | 5500  | 1422 | 348    | 0.75 | 388    | 0.90 | 422    | 1.03 | 456    | 1.17 | 489    | 1.31 | 522    | 1.46 | 586  | 1.80 |          |      |          |      |      |      |       |
| 1     | 5800  | 1500 | 362    | 0.86 | 402    | 1.02 | 435    | 1.16 | 466    | 1.30 | 498    | 1.45 | 529    | 1.60 | 591  | 1.94 |          |      |          |      |      |      |       |
|       | 6100  | 1577 | 377    | 0.98 | 415    | 1.15 | 447    | 1.30 | 478    | 1.45 | 508    | 1.60 | 538    | 1.76 | 597  | 2.10 | 654      | 2.48 |          |      |      |      |       |
| 1-1/2 | 6400  | 1655 | 392    | 1.11 | 429    | 1.30 | 460    | 1.46 | 490    | 1.61 | 518    | 1.77 | 547    | 1.93 | 604  | 2.28 | 659      | 2.66 |          |      |      |      |       |
|       | 6700  | 1733 | 406    | 1.26 | 443    | 1.45 | 474    | 1.63 | 502    | 1.79 | 529    | 1.95 | 557    | 2.12 | 611  | 2.47 | 665      | 2.86 |          |      |      |      |       |
| 2     | 7000  | 1810 | 421    | 1.42 | 456    | 1.62 | 487    | 1.81 | 515    | 1.98 | 541    | 2.15 | 568    | 2.32 | 620  | 2.68 | 671      | 3.07 | 722      | 3.49 |      |      |       |
|       | 7300  | 1888 | 437    | 1.59 | 470    | 1.79 | 501    | 2.00 | 528    | 2.18 | 553    | 2.36 | 579    | 2.54 | 629  | 2.90 | 679      | 3.30 | 728      | 3.72 |      |      |       |
| 3     | 7600  | 1965 | 452    | 1.78 | 484    | 1.99 | 515    | 2.21 | 541    | 2.40 | 566    | 2.58 | 599    | 2.77 | 639  | 3.15 | 686      | 3.54 | 734      | 3.97 |      |      |       |
|       | 7900  | 2043 | 467    | 1.99 | 498    | 2.20 | 528    | 2.43 | 554    | 2.63 | 579    | 2.83 | 602    | 3.02 | 649  | 3.41 | 695      | 3.81 | 741      | 4.24 |      |      |       |
| 5     | 8200  | 2120 | 483    | 2.21 | 512    | 2.42 | 542    | 2.66 | 568    | 2.88 | 592    | 3.08 | 615    | 3.28 | 660  | 3.68 | 704      | 4.10 | 749      | 4.53 | 836  | 5.49 |       |
|       | 8800  | 2276 | 514    | 2.69 | 541    | 2.92 | 569    | 3.17 | 596    | 3.42 | 618    | 3.64 | 640    | 3.86 | 682  | 4.29 | 724      | 4.73 | 766      | 5.17 | 848  | 6.15 | 7-1/2 |
| 7-1/2 | 9400  | 2431 | 546    | 3.25 | 571    | 3.48 | 597    | 3.75 | 622    | 4.02 | 646    | 4.28 | 667    | 4.51 | 707  | 4.97 | 746      | 5.43 | 785      | 5.90 | 863  | 6.88 |       |
|       | 10000 | 2586 | 578    | 3.89 | 601    | 4.13 | 625    | 4.40 | 650    | 4.68 | 673    | 4.98 | 694    | 5.23 | 732  | 5.73 | 769      | 6.22 | 806      | 6.71 | 879  | 7.72 | 10    |
| 12000 | 3103  | 685  | 6.61   | 704  | 6.87   | 724  | 7.17   | 744  | 7.49   | 764  | 7.83   | 784  | 8.18   | 822  | 8.85 | 855  | 9.45     | 886  | 10.04    |      |      |      |       |

Power ratings (BHP) do not include transmission losses. Performance certified is for installation type B-free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

| Sound Power Levels in Decibels |       |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|--------------------------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| RPM                            | SP    | LW <sub>o-1</sub> | LW <sub>o-2</sub> | LW <sub>o-3</sub> | LW <sub>o-4</sub> | LW <sub>o-5</sub> | LW <sub>o-6</sub> | LW <sub>o-7</sub> | LW <sub>o-8</sub> | LW <sub>o-A</sub> |
| 200                            | 0.125 | 56                | 55                | 54                | 53                | 47                | 40                | 35                | 29                | 53                |
| 300                            | 0.125 | 69                | 68                | 67                | 67                | 65                | 59                | 53                | 47                | 59                |
| 300                            | 0.250 | 65                | 64                | 63                | 63                | 61                | 53                | 47                | 42                | 65                |
| 400                            | 0.125 | 78                | 77                | 76                | 75                | 74                | 71                | 65                | 58                | 78                |
| 400                            | 0.250 | 76                | 74                | 73                | 73                | 72                | 67                | 61                | 55                | 76                |
| 400                            | 0.500 | 72                | 71                | 70                | 69                | 68                | 62                | 56                | 50                | 72                |
| 500                            | 0.125 | 85                | 83                | 82                | 81                | 80                | 79                | 72                | 66                | 85                |
| 500                            | 0.250 | 83                | 81                | 80                | 79                | 79                | 77                | 70                | 64                | 83                |
| 500                            | 0.500 | 80                | 78                | 77                | 77                | 76                | 73                | 66                | 60                | 80                |
| 600                            | 0.125 | 89                | 88                | 87                | 85                | 85                | 84                | 79                | 73                | 90                |
| 600                            | 0.250 | 88                | 87                | 86                | 84                | 84                | 83                | 77                | 71                | 89                |
| 600                            | 0.500 | 86                | 84                | 83                | 82                | 82                | 81                | 74                | 68                | 87                |
| 600                            | 1.000 | 82                | 80                | 79                | 79                | 78                | 76                | 68                | 62                | 82                |
| 700                            | 0.125 | 92                | 92                | 91                | 89                | 88                | 88                | 84                | 78                | 94                |
| 700                            | 0.250 | 91                | 91                | 90                | 89                | 88                | 87                | 83                | 77                | 93                |
| 700                            | 0.500 | 90                | 89                | 88                | 87                | 86                | 86                | 81                | 74                | 92                |
| 700                            | 1.000 | 86                | 86                | 85                | 84                | 84                | 82                | 76                | 70                | 88                |
| 700                            | 1.500 | 85                | 84                | 83                | 82                | 82                | 80                | 73                | 67                | 86                |
| 800                            | 1.000 | 90                | 91                | 89                | 89                | 88                | 87                | 83                | 76                | 93                |
| 800                            | 1.500 | 88                | 88                | 86.8              | 86                | 86                | 84                | 79                | 72                | 91                |

The sound power level ratings shown are in decibels referred to 10-12 watts calculated per AMCA Standard 301. The A-weighted sound ratings shown have been calculated per AMCA Standard 301. Values shown are for outlet Lwo sound power levels for: Installation Type-B: free inlet, ducted outlet. Ratings include the effects of duct end connection.



**TYPICAL INSTALLATION**

NFPA96 requires a 10 foot minimum distance between the exhaust fan and supply fan intake. The intake extension (optional) provides this clearance. Also required are hinged curb caps on the exhaust fan and some areas require a vented curb extension.

**NFPA96 ALTERNATE INSTALLATION**

Where space limitations absolutely prevent a 10 foot separation from the air intake, a vertical separation may be permitted with the exhaust outlet being a minimum of 3 feet above any air intake located within 10 feet horizontally.

**IMPORTANT:** Always check with the authority having jurisdiction to verify local codes and requirements.

**COMMON CURB AND ADAPTOR**

The common curb and adaptor allows for mounting both the exhaust fan and supply fans onto one roof opening. Follow the chart below for sizing and ordering common curbs and adaptors.

**Common Curb Adaptor**

| MODEL |     | STOCK NO.<br>8" HIGH<br>COMMON CURB | COMMON<br>CURB<br>L x W OD | STOCK NO.<br>CURB CAP<br>ADAPTOR | CURB CAP<br>ADAPTOR<br>X x Y OD | CURB CAP OPENING              |                              |
|-------|-----|-------------------------------------|----------------------------|----------------------------------|---------------------------------|-------------------------------|------------------------------|
| TXB   | KSF |                                     |                            |                                  |                                 | EXHAUST<br>FAN<br>OUTLET A Sq | SUPPLY FAN<br>OUTLET<br>B Sq |
| 8/10  | 9   | 2302BC10X9                          | 55-3/4 x 27-1/2            | 2302BA10X9                       | 56-3/4 x 29                     | 16                            | 23-3/4                       |
| 12    | 9   | 2302BC12X9                          | 59-1/4 x 27-1/2            | 2302BA12X9                       | 60-3/4 x 29                     | 23-1/2                        | 23-3/4                       |
| 15/16 | 10  | 2302BC15X10                         | 65 x 31-1/4                | 2302BA15X10                      | 66-1/2 x 32-3/4                 | 23-1/2                        | 27-3/4                       |
| 15/16 | 12  | 2302BC15X12                         | 69 x 35-1/4                | 2302BA15X12                      | 70-1/4 x 36-3/4                 | 23-1/2                        | 31-3/4                       |
| 15/16 | 15  | 2302BC15X15                         | 69 x 35-1/4                | 2302BA15X15                      | 70-1/4 x 36-3/4                 | 23-1/2                        | 31-3/4                       |
| 18    | 12  | 2302BC18X12                         | 74-1/2 x 35-1/4            | 2302BA18X12                      | 76 x 36-3/4                     | 29                            | 31-3/4                       |
| 18    | 15  | 2302BC18X15                         | 74-1/2 x 35-1/4            | 2302BA18X15                      | 76 x 36-3/4                     | 29                            | 31-3/4                       |
| 20    | 12  | 2302BC20X12                         | 74-1/2 x 35-1/4            | 2302BA20X12                      | 76 x 36-3/4                     | 29                            | 31-3/4                       |
| 20    | 15  | 2302BC20X15                         | 74-1/2 x 35-1/4            | 2302BA20X15                      | 76 x 36-3/4                     | 29                            | 31-3/4                       |
| 24    | 15  | 2302BC24X15                         | 82-1/2 x 38-1/2            | 2302BA24X15                      | 84 x 40                         | 35                            | 31-3/4                       |
| 24    | 18  | 2302BC24X18                         | 86-1/2 x 39-1/4            | 2302BA24X18                      | 88 x 40-3/4                     | 35                            | 35-3/4                       |
| 30    | 18  | 2302BC30X18                         | 94-1/2 x 45-3/4            | 2302BA30X18                      | 96 x 47-1/4                     | 42                            | 35-3/4                       |
| 30    | 20  | 2302BC30X20                         | 108-1/2 x 54-1/4           | 2302BA30X20                      | 110 x 55-3/4                    | 42                            | 50-1/4                       |
| 36    | 20  | 2302BC36X20                         | 113-1/2 x 54-1/4           | 2302BA36X20                      | 115 x 55-3/4                    | 42                            | 50-1/4                       |



**Commercial Kitchen Ventilation For Grease Laden Air**

Model TXB-UL762 belt drive fans are roof mounted centrifugal upblast exhausters rated from 250 to 35,000 CFM with static pressure capabilities to 3-1/4 inches. Soler & Palau USA offers the widest horsepower and CFM selection in the industry. All fans are factory test run for quality assurance.

The TXB-UL762 was designed with serviceability in mind. The motor compartment can be serviced through the removable top or the motor housing can be removed by loosening four nuts. Soler & Palau USA's optional "Grease Grabber" is an inexpensive and easy solution to grease containment.

All TXB-UL762 fans are designed and manufactured for high performance and long life. Soler & Palau USA offers the TXB-UL762 with a 1 year fan warranty and a 1 year motor warranty.

**Construction/Specification Checklist**

- Housing**
- Curb cap with integral deep single piece spun inlet for efficient performance and prevention of leakage into ductwork.
  - Adjustable motor base for proper belt tension and ease of adjustment.
  - Enclosed, ventilated motor/drive compartment isolates motor and drives from exhaust air.
  - The motor compartment housing easily removes with a minimum of tools for complete maintenance access.
  - Water-tight conduit tube for easy electrical connection without having to wire through the breather tube.

**Centrifugal Wheel**

- Backward inclined for efficiency at higher static pressure.
- Nonoverloading for safe operation in ducted systems.
- Heavy aluminum hub for extra strength.
- Close running tolerance between inlet cone and wheel inlet for maximum efficiency.
- Statically and dynamically balanced for smooth, quiet operation.

**Motors**

- Brands are nationally recognized and locally serviced.
- Single speed drip-proof motors are provided on standard models.
- All motors are rated for continuous duty.

**Drives**

- Sized for minimum 150% of drive horsepower.
- Machined cast iron adjustable motor pulleys.
- Adjustable base for belt tensioning.

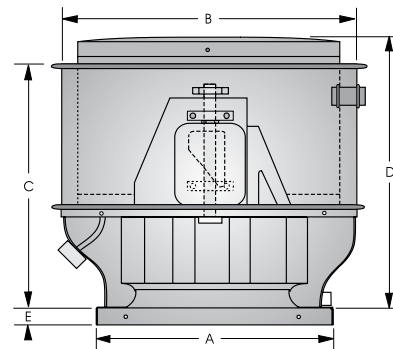
**Bearings**

- 1 year bearing warranty.
- Heavy-duty ball bearing type.
- Prelubricated and permanently sealed.
- Sized for a minimum L50 life in excess of 200,000 hours.

**Certifications**

- AMCA Air and Sound Licensed.
- cULus Listed, Standard 762 Listed for Restaurant Exhaust Appliance available for applications where required.
- cULus Listed Standard 705 assures electrical reliability for Canadian use.

**Note:** Fans with 5HP and larger motors may have motors shipped separately.



| Size     | Dimensions (Inches) |        |        |       |       |              |                   |  |
|----------|---------------------|--------|--------|-------|-------|--------------|-------------------|--|
|          | A                   | B      | C      | D     | E     | Roof Opening | Pre-fab Curb O.D. |  |
| 8/10     | 16-1/2              | 27-1/2 | 24/26  | 27/29 | 2     | 11-3/4       | 14-3/4            |  |
| 12/15/16 | 24                  | 31-1/2 | 26     | 29    | 2-1/2 | 19-1/4       | 22-3/4            |  |
| 18/20    | 29-1/2              | 37-3/4 | 28-1/2 | 32    | 2-1/2 | 24-3/4       | 27-3/4            |  |
| 24       | 35-1/2              | 47-1/4 | 32     | 42    | 2-1/2 | 30-3/4       | 33-3/4            |  |
| 30       | 42-1/2              | 56-3/4 | 41     | 45    | 2-1/2 | 37-3/4       | 40-3/4            |  |
| 36       | 42-1/2              | 66     | 44     | 48    | 2-1/2 | 37-3/4       | 40-3/4            |  |
| 42       | 55                  | 72-1/2 | 48     | 52    | 2-1/2 | 50-1/4       | 53-3/4            |  |
| 48       | 55                  | 78-3/4 | 52     | 56    | 2-1/2 | 50-1/4       | 53-3/4            |  |



# Additional Products

Soler & Palau USA manufactures a complete line of gravity ventilators and fans for all your ventilation requirements.



**MODEL DB**  
Backward Inclined  
Belt Drive  
Centrifugal Roof Exhaust



**MODEL RED**  
Backward Inclined  
Direct Drive  
Centrifugal Roof Exhaust



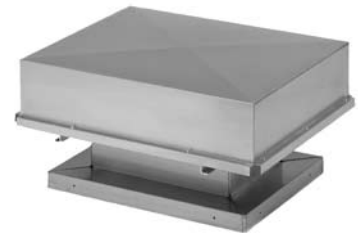
**MODEL SQB/SQD**  
Backward Inclined  
Belt Drive/Direct Drive  
Square Inline



**MODEL UBB/UBX/UBS**  
Propeller  
Belt and Direct Drive  
Upblast Roof Exhaust



**MODEL L**  
Propeller  
Belt Drive  
Sidewall Exhaust or Supply



**MODEL BGH**  
Gravity Hood  
Intake or Relief



**MODEL KSF**  
Forward Curved Blower  
Belt Drive  
Filtered Roof Supply



**MODEL TXB/TXD**  
Backward Inclined  
Belt Drive/Direct Drive  
Centrifugal Upblast



**MODEL BVS**  
Backward Inclined  
Belt Drive  
Centrifugal Utility Set

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