

FKD SERIES - 230V

INLINE MIXED FLOW FAN



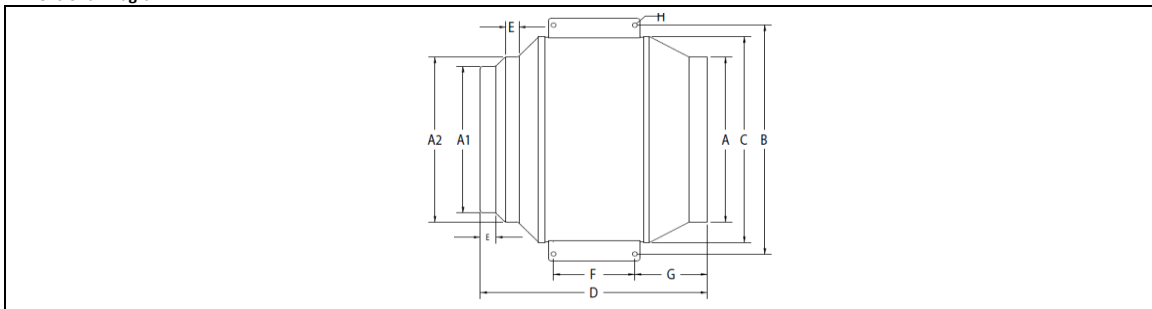
Certifications:



Systemair Mfg. certifies that all models shown are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and publication 311 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type D- Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Dimensional Diagram:



Dimensional Table:

| Model | A | A1 | A2 | B | C | D | E | F | G | H |
|------------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-----------------|------------------|------------------|----------------|
| FKD 8XL-230 | 8 | - | - | 14 (355.6) | 12.5 (317.5) | 15.5 (393.7) | 0.75 (19) | 2.375 (60.3) | 6.125 (155.6) | 0.375 (9.5) |
| FKD 10-230 | 10 | - | - | 14 (355.6) | 12.5 (317.5) | 15.5 (393.7) | 0.75 (19) | 2.375 (60.3) | 5 (127) | 0.375 (9.5) |
| FKD 10XL-230 | 10 | - | - | 15.625 (396.9) | 14 (355.6) | 15 (381) | 0.75 (19) | 2.375 (60.3) | 6.375 (162) | 0.375 (9.5) |
| FKD 12-230 | 12 | - | - | 15.625 (396.9) | 14 (355.6) | 12.5 (317.5) | 0.75 (19) | 2.375 (60.3) | 5.125 (130.2) | 0.375 (9.5) |
| FKD 12XL-230 | 12.0 (304.8) | 12.0 (304.8) | 14.0 (355.6) | 20.25 (514.4) | 17.875 (454.0) | 18.875 (479.4) | 0.875 (22.2) | 4.0 (101.6) | 8.75 (222.3) | 0.375 (9.5) |
| FKD 14-230 | 14.0 (355.6) | 12.0 (304.8) | 14.0 (355.6) | 20.25 (514.4) | 17.875 (454.0) | 17.25 (438.2) | 1 (25.4) | 1 (25.4) | 6.75 (171.5) | 0.375 (9.5) |
| FKD 14XL-230 | 14.0 (355.6) | 14.0 (355.6) | 16.0 (406.4) | 22.125 (562.0) | 19.75 (501.7) | 20.25 (514.4) | 1.5 (38.1) | 1.5 (38.1) | 8.75 (222.3) | 0.375 (9.5) |
| FKD 16-230 | 16.0 (406.4) | 14.0 (355.6) | 16.0 (406.4) | 22.125 (562.0) | 19.75 (501.7) | 18.75 (476.3) | 1.5 (38.1) | 1.5 (38.1) | 7.125 (181.0) | 0.375 (9.5) |
| FKD 16XL-230 | 16.0 (406.4) | 16.0 (406.4) | 18.0 (457.2) | 24.375 (619.1) | 22.125 (562.0) | 23.25 (590.6) | 1.25 (31.8) | 1.25 (31.8) | 8.5 (215.9) | 0.375 (9.5) |
| FKD 18-230 | 18.0 (457.2) | 16.0 (406.4) | 18.0 (457.2) | 24.375 (619.1) | 22.125 (562.0) | 21.75 (552.5) | 1.25 (31.8) | 7.875 (200.0) | 7.0 (177.8) | 0.375 (9.5) |
| FKD 18XL-230/460 | 18.0 (457.2) | 18.0 (457.2) | 20.0 (508.0) | 30.375 (771.5) | 28.125 (714.4) | 27.25 (692.2) | 2.0 (50.8) | 7.875 (200) | 12.50 (317.5) | 0.375 (9.5) |
| FKD 20-230/460 | 20.0 (508.0) | 18.0 (457.2) | 20.0 (508.0) | 30.375 (771.5) | 28.125 (714.4) | 27.75 (704.9) | 2.0 (50.8) | 7.875 (200) | 12.50 (317.5) | 0.5 (12.7) |

Dimensions are in inches (mm)

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Performance Data:

AMCA Certified Data

| Model Name | Energy Star | Rated Power | Voltage/phase | Max Amp | RPM | | Static Pressure (inch W.C.) | | | | | | Max Ps (Inch W.C.) |
|--------------|-------------|-------------|---------------|---------|-------------------|----------------------|-----------------------------|-------------------|----------------|----------------|----------------|----------------|--------------------|
| | | W | V/~ | A | min ⁻¹ | | 0 | 0.5 | 0.75 | 1 | 1.5 | 2.0 | |
| FKD 8XL-230 | NO | 330 | 230 / 1 | 1.50 | 2785 | CFM Sone dB(A) | 820 - - | 670 16.9 - | 579 - - | 479 - - | 375 - - | 276 - - | 2.53 - - |
| FKD 10-230 | NO | 329 | 230 / 1 | 2.10 | 2775 | CFM Sone dB(A) | 872 - - | 717 20.6 - | 619 - - | 523 - - | 432 - - | 340 - - | 2.54 - - |
| FKD 10XL-230 | NO | 545 | 230 / 1 | 2.25 | 2940 | CFM Sone dB(A) | 1265 - - | 1112 23.2 - | 1032 - - | 944 - - | 848 - - | 741 - - | 3.10 - - |
| FKD 12-230 | NO | 531 | 230 / 1 | 2.10 | 2845 | CFM Sone dB(A) | 1290 - - | 1136 25 - | 1043 - - | 941 - - | 833 - - | 717 - - | 3.12 - - |
| FKD 12XL-230 | NO | 540 | 230 / 1 | 2.4 | 1690 | CFM Sone dB(A) | 1690 - - | 1946 20.4 - | 1604 - - | 1377 - - | 1069 - - | 610 - - | 1.59 - - |
| FKD 14-230 | NO | 540 | 230 / 1 | 2.4 | 1690 | CFM Sone dB(A) | 2070 - - | 1683 19.4 - | 1474 - - | 1093 - - | 589 - - | 166 - - | 1.60 - - |
| FKD 14XL-230 | NO | 860 | 230 / 1 | 3.8 | 1575 | CFM Sone dB(A) | 2748 - - | 2291 22.1 - | 2038 - - | 1687 - - | 1270 - - | 851 - - | 2.15 - - |
| FKD 16-230 | NO | 860 | 230 / 1 | 3.7 | 1575 | CFM Sone dB(A) | 2918 - - | 1737 19.9 - | 1453 - - | 1180 - - | 899 - - | 425 - - | 2.17 - - |
| FKD 16XL-230 | NO | 1550 | 230 / 1 | 6.6 | 1635 | CFM Sone dB(A) | 4210 - - | 3615 24.3 - | 3233 - - | 2814 - - | 2372 - - | 1920 - - | 2.72 - - |
| FKD 18-230 | NO | 1550 | 230 / 1 | 6.6 | 1635 | CFM Sone dB(A) | 4490 - - | 3946 25.9 - | 3588 - - | 3152 - - | 2654 - - | 2127 - - | 2.72 - - |

Performance certified is for installation type D: Ducted inlet, Ducted outlet.

Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance ratings do not include the effects of appurtenances.

The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA Standard 301.

Values shown are for Installation Type D: ducted inlet hemispherical sone levels. Ratings do not include the effects of duct end correction.

All sone values shown are calculated at 0.5" (static pressure in inches W.G.).

Performance Data:

Data Shown Below Not AMCA Certified

| Model Name | Energy Star | Rated Power | Voltage/phase | Max Amp | RPM | | Static Pressure (inch W.C.) | | | | | | Max Ps (Inch W.C.) |
|------------------|-------------|-------------|---------------|---------|-------------------|----------------------|-----------------------------|-----------------|----------------|----------------|----------------|----------------|--------------------|
| | | W | V/~ | A | min ⁻¹ | | 0 | 0.5 | 0.75 | 1 | 1.5 | 2.0 | |
| FKD 18XL-230/460 | NO | 2208 | 230/460 /3 | 3.75 | 1720 | CFM Sone dB(A) | 6236 - - | 5754 32 - | 5500 - - | 5199 - - | 4909 - - | 4602 - - | 3.23 - - |
| FKD 20-230/460 | NO | 2218 | 230/460 /3 | 3.73 | 1710 | CFM Sone dB(A) | 6291 - - | 5829 33 - | 5617 - - | 5307 - - | 4987 - - | 4667 - - | 3.41 - - |