



# SOPER'S SUPPLY LTD.

## EXPLOSION Proof Direct Drive Wall Fans



These sidewall propeller fans are the ideal choice for commercial/industrial applications where high volumes of air and relatively low pressures are required for hazardous locations. Fan sizes range from 8" to 48". Performance spans the range of 300 CFM to 54,000 CFM, with static pressures up to 1" WG (249 PA). Fans are direct drive, therefore requiring little or no maintenance. Available in either exhaust or supply configurations.

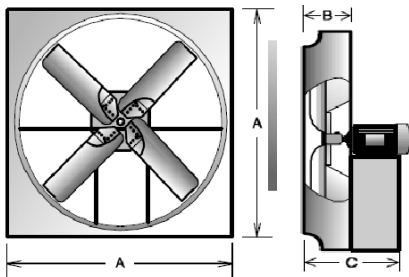
### **Construction & Design Features:**

- Cast aluminum spark proof blades (except where noted).
- Fan blades are tested in accordance with AMCA standard 210.
- OSHA approved finger guards.
- Heavy gauge steel fan panel with deep inlet venturi, distributes air uniformly for efficient performance.
- Motors are CSA certified and UL listed.
- Fractional HP motors are rated Explosion Proof, Class I and II, Groups C, D, F and G with a T3B temperature code (165C or 329F).
- Integral HP motors are rated Explosion Proof, Class I and II, Groups D, F, G with a T3B temperature code (165C or 329F).

### **Options Available:**

- Custom sizes and performances.
- 50 Hz or ATEX approved motors.
- VFD compatible motors.
- Division 2 motors are available on integral HP's.
- Dampers, control dampers and louvers.
- Sleeves, cabinets and back guards.
- Corrosion resistant coating.
- Weather Hoods.
- Disconnect switches.
- Thermostats

[www.SopersSupply.com](http://www.SopersSupply.com)



| Model | A                                | B                               | C                                | Wall Opening                     |
|-------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|
| 12"   | 16 <sup>1</sup> / <sub>8</sub> " | 2 <sup>1</sup> / <sub>2</sub> " | 9 <sup>1</sup> / <sub>2</sub> "  | 17 <sup>1</sup> / <sub>8</sub> " |
| 16"   | 20 <sup>1</sup> / <sub>8</sub> " | 3 <sup>1</sup> / <sub>2</sub> " | 10 <sup>1</sup> / <sub>2</sub> " | 21 <sup>1</sup> / <sub>8</sub> " |
| 18"   | 22 <sup>1</sup> / <sub>8</sub> " | 3 <sup>1</sup> / <sub>2</sub> " | 10 <sup>1</sup> / <sub>2</sub> " | 23 <sup>1</sup> / <sub>8</sub> " |
| 20"   | 24 <sup>1</sup> / <sub>8</sub> " | 3 <sup>3</sup> / <sub>4</sub> " | 10 <sup>3</sup> / <sub>4</sub> " | 25 <sup>1</sup> / <sub>8</sub> " |
| 24"   | 29 <sup>1</sup> / <sub>8</sub> " | 6 <sup>5</sup> / <sub>8</sub> " | 13 <sup>1</sup> / <sub>2</sub> " | 30 <sup>7</sup> / <sub>8</sub> " |
| 30"   | 35 <sup>1</sup> / <sub>8</sub> " | 6 <sup>3</sup> / <sub>4</sub> " | 13 <sup>3</sup> / <sub>4</sub> " | 36 <sup>7</sup> / <sub>8</sub> " |
| 36"   | 41 <sup>1</sup> / <sub>8</sub> " | 7 <sup>1</sup> / <sub>4</sub> " | 14"                              | 42 <sup>7</sup> / <sub>8</sub> " |

| Blade Diameter | Model #  |               |           | RPM  | H.P. | Pitch | # Blades | dBA @ 5 ft. | Weight (Lbs) | CFM @ Static Pressure |        |       |        |       |        |       |        |      |        |   |
|----------------|--|---------------|-----------|------|------|-------|----------|-------------|--------------|-----------------------|--------|-------|--------|-------|--------|-------|--------|------|--------|---|
|                | Single Phase   | Three Phase   |           |      |      |       |          |             |              | 0"                    | 0.125" | 0.25" | 0.375" | 0.50" | 0.625" | 0.75" | 0.875" | 1"   | 1.125" |   |
|                | 115/230 V  | 208-230/460 V | 575 V     |      |      |       |          |             |              |                       |        |       |        |       |        |       |        |      |        |   |
| 8"             | V8X1L1/46  |               |           | 1140 | 1/4  | 35°   | 6        | 50.1        | 35.4         | 293                   | 94.3   | -     | -      | -     | -      | -     | -      | -    | -      | - |
|                |  | V8X3M1/36     |           | 1140 | 1/3  | 35°   | 6        | 50.1        | 33.2         | 293                   | 94.3   | -     | -      | -     | -      | -     | -      | -    | -      | - |
|                | V8X1L1/4   | V8X3M1/4      | V8X3H1/4  | 1725 | 1/4  | 35°   | 6        | 59.1        | 33.4         | 443                   | 358    | 163   | 67.4   | -     | -      | -     | -      | -    | -      | - |
| 10"            | V10X1L1/46   |               |           | 1140 | 1/4  | 25°   | 6        | 54.0        | 38.0         | 397                   | 273    | 56.7  | -      | -     | -      | -     | -      | -    | -      | - |
|                |  | V10X3M1/36    |           | 1140 | 1/3  | 25°   | 6        | 54.0        | 35.8         | 397                   | 273    | 56.7  | -      | -     | -      | -     | -      | -    | -      | - |
|                | V10X1L1/4  | V10X3M1/4     | V10X3H1/4 | 1725 | 1/4  | 25°   | 6        | 63.0        | 36.0         | 601                   | 536    | 445   | 256    | 160   | 29.8   | -     | -      | -    | -      | - |
| 12"            | V12X1L1/46   |               |           | 1140 | 1/4  | 30°   | 3        | 55.0        | 40.0         | 795                   | 440    | -     | -      | -     | -      | -     | -      | -    | -      | - |
|                |  | V12X3M1/36    |           | 1140 | 1/3  | 30°   | 3        | 55.0        | 37.8         | 795                   | 440    | -     | -      | -     | -      | -     | -      | -    | -      | - |
|                | V12X1L1/4  | V12X3M1/4     | V12X3H1/4 | 1725 | 1/4  | 30°   | 3        | 64.0        | 34.0         | 1200                  | 1010   | 761   | 341    | 114   | -      | -     | -      | -    | -      | - |
| 16"            | V16X1L1/46   |               |           | 1140 | 1/4  | 30°   | 6        | 62.1        | 42.0         | 1780                  | 1470   | 959   | 342    | -     | -      | -     | -      | -    | -      | - |
|                |  | V16X3M1/36    |           | 1140 | 1/3  | 30°   | 6        | 62.1        | 39.8         | 1780                  | 1470   | 959   | 342    | -     | -      | -     | -      | -    | -      | - |
|                | V16X1L1/4  | V16X3M1/4     | V16X3H1/4 | 1725 | 1/4  | 30°   | 6        | 71.1        | 38.0         | 2690                  | 2500   | 2290  | 2050   | 1720  | 1210   | 797   | 470    | 144  | -      | - |
| 18"            | V18X1L1/46   |               |           | 1140 | 1/4  | 30°   | 4        | 61.7        | 41.7         | 2360                  | 1860   | 962   | 183    | -     | -      | -     | -      | -    | -      | - |
|                |  | V18X3M1/36    |           | 1140 | 1/3  | 30°   | 4        | 61.7        | 41.8         | 2360                  | 1860   | 962   | 183    | -     | -      | -     | -      | -    | -      | - |
|                | V18X1L1/3  | V18X3M1/3     | V18X3H1/3 | 1725 | 1/3  | 30°   | 4        | 70.7        | 42.3         | 3570                  | 3260   | 2920  | 2500   | 1880  | 1160   | 675   | 222    | -    | -      | - |
| 20"            | V20X1L1/46   |               |           | 1140 | 1/4  | 30°   | 4        | 65.8        | 46.0         | 2990                  | 2360   | 1440  | 305    | -     | -      | -     | -      | -    | -      | - |
|                |  | V20X3M1/36    |           | 1140 | 1/3  | 30°   | 4        | 65.8        | 43.8         | 2990                  | 2360   | 1440  | 305    | -     | -      | -     | -      | -    | -      | - |
|                | V20X1L1/2  | V20X3M1/2     | V20X3H1/2 | 1725 | 1/2  | 30°   | 4        | 74.8        | 64.0         | 4530                  | 4140   | 3710  | 3240   | 2630  | 1810   | 1070  | 389    | -    | -      | - |
| 24"            | V24X1L1/26   |               |           | 1140 | 1/4  | 25°   | 8        | 71.8        | 48.6         | 3460                  | 2990   | 2450  | 1680   | 963   | -      | -     | -      | -    | -      | - |
|                |  | V24X3M3/46    |           | 1140 | 1/3  | 25°   | 8        | 71.8        | 54.0         | 3460                  | 2990   | 2450  | 1680   | 963   | -      | -     | -      | -    | -      | - |
|                | V24X1L3/4  | V24X3M3/4     | V24X3H3/4 | 1725 | 3/4  | 25°   | 8        | 80.8        | 105.2        | 5240                  | 4910   | 4610  | 4280   | 3920  | 3530   | 3030  | 2470   | 1920 | 1510   | - |
| 30"            | PLEASE CONTACT SOPER'S SUPPLY FOR MORE INFORMATION ON THESE SIZES. |               |           |      |      |       |          |             |              |                       |        |       |        |       |        |       |        |      |        |   |
| 36"            |  |               |           |      |      |       |          |             |              |                       |        |       |        |       |        |       |        |      |        |   |
| 42"            |  |               |           |      |      |       |          |             |              |                       |        |       |        |       |        |       |        |      |        |   |
| 48"            |  |               |           |      |      |       |          |             |              |                       |        |       |        |       |        |       |        |      |        |   |

dBAratings shown are measured at 0"static pressure and should be used as a guideline only.

|   |   |  |  |   |
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| <p><b>Edmonton, AB</b><br/>         10519 - 114 St.<br/>         T5H 3J6<br/>         Ph: 780-423-4066<br/>         Fax: 780-425-8579</p> | <p><b>Calgary, AB</b><br/>         1224 - 26 Ave SE<br/>         T2G 5S2<br/>         Ph: 403-243-4130<br/>         Fax: 403-243-0552</p> | <p><b>Winnipeg, MB</b><br/>         1499 St. James St.<br/>         R3H 0W9<br/>         Ph: 204-775-8848<br/>         Fax: 204-779-4391</p> | <p><b>Surrey, BC</b><br/>         #9, 8285 - 132 St.<br/>         V3W 4N6<br/>         Ph: 604-590-1667<br/>         Fax: 604-590-5501</p> | <p><b>Vancouver, BC</b><br/>         182 West 6th Ave<br/>         V5Y 1K6<br/>         Ph: 604-566-9370<br/>         Fax: 604-566-9371</p> |
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