

Filter Area VS Flow rate

| <u>Nominal Filter Size</u> | <u>Effective Filter Area (sq. ft.)</u> | <u>Ideal Flow Range (cfm)</u> | <u>Tonnage @ 400cfm/ton</u> | <u>Max. Rec. Flow (cfm)</u> | <u>Tonnage</u> |
|--------------------------------|--|-----------------------------------|---------------------------------|---------------------------------|----------------|
| 12 x 24 | 1.57 | 470 to 705 | 1.2 to 1.8 | 815 | <u>2.0</u> |
| 12 x 30 | 2.01 | 602 to 902 | 1.5 to 2.3 | 1,043 | 2.6 |
| 12 x 36 | 2.44 | 733 to 1,099 | 1.8 to 2.7 | 1,270 | 3.2 |
| 14 x 20 | 1.52 | 456 to 684 | 1.1 to 1.7 | 790 | 2.0 |
| 14 x 25 | 1.95 | 586 to 879 | 1.5 to 2.2 | 1,016 | 2.5 |
| 14 x 30 | 2.39 | 716 to 1,074 | 1.8 to 2.7 | 1,241 | 3.1 |
| 15 x 20 | 1.64 | 492 to 738 | 1.2 to 1.8 | 853 | 2.1 |
| 16 x 16 | 1.36 | 408 to 612 | 1.0 to 1.5 | 707 | 1.8 |
| 16 x 20 | 1.76 | 529 to 793 | 1.3 to 2.0 | 916 | 2.3 |
| 16 x 25 | 2.27 | 680 to 1,020 | 1.7 to 2.5 | 1,178 | 2.9 |
| 16 x 30 | 2.77 | 831 to 1,246 | 2.1 to 3.1 | 1,440 | 3.6 |
| 16 x 36 | 3.37 | 1,012 to 1,518 | 2.5 to 3.8 | 1,754 | 4.4 |
| 18 x 18 | 1.78 | 533 to 799 | 1.3 to 2.0 | 924 | 2.3 |
| 18 x 30 | 3.15 | 945 to 1,418 | 2.4 to 3.5 | 1,639 | 4.1 |
| 20 x 20 | 2.25 | 674 to 1,012 | 1.7 to 2.5 | 1,169 | 2.9 |
| 20 x 24 | 2.76 | 829 to 1,243 | 2.1 to 3.1 | 1,436 | 3.6 |
| 20 x 25 | 2.89 | 867 to 1,301 | 2.2 to 3.3 | 1,503 | 3.8 |
| 20 x 30 | 3.53 | 1,060 to 1,590 | 2.6 to 4.0 | 1,837 | 4.6 |
| 24 x 24 | 3.36 | 1,008 to 1,512 | 2.5 to 3.8 | 1,747 | 4.4 |
| 24 x 30 | 4.3 | 1,289 to 1,934 | 3.2 to 4.8 | 2,234 | 5.6 |
| 24 x 36 | 5.23 | 1,570 to 2,355 | 3.9 to 5.9 | 2,722 | 6.8 |
| 8 x 20 | 0.79 | 237 to 355 | 0.59 to 0.89 | 411 | 1.0 |
| 14 x 21 | 1.61 | 482 to 723 | 1.20 to 1.81 | 835 | 2.1 |

Notes:

1. The above recommendations are based on air cleaner performance and not the operating parameters of the equipment into which they are installed. Please also consult the AHU manufacturer's guidelines for filter size, pressure drop, etc.
2. For pressure drop at various air flow levels, please consult the charts elsewhere in this section.
3. For additional information or questions on installation or application, please call us.