

VX55, VX51

Belt drive fan complete with belled inlet plastic shutter, discharge cone and outlet guard

Three Phase

| | | VX55 2 HP VX552F3CT | VX55 1.5 HP VX5515F3CT | VX51 2 HP VX512F3CT | VX51 1.5 HP VX5115F3CT | VX51 1 HP VX511F3CT |
|----------|---------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|
| | Prop Diameter | 55" | 55" | 51" | 51" | 51" |
| | RPM | 545 | 490 | 630 | 575 | 535 |
| | Max BHP | 2.35 | 1.80 | 2.13 | 1.72 | 1.36 |
| 0.00" SP | CFM | 36,800 | 33,000 | 34,100 | 31,200 | 29,400 |
| | CFM/Watt | 18.8 | 22.5 | 20.1 | 23.1 | 27.0 |
| 0.05" SP | CFM | 35,500 | 31,200 | 32,700 | 29,700 | 27,600 |
| | CFM/Watt | 17.7 | 20.6 | 18.6 | 21.1 | 23.9 |
| 0.10" SP | CFM | 33,400 | 28,900 | 31,200 | 27,700 | 25,500 |
| | CFM/Watt | 16.3 | 18.5 | 17.2 | 19.0 | 21.1 |
| 0.15" SP | CFM | 31,400 | 26,600 | 29,500 | 25,600 | 23,100 |
| | CFM/Watt | 15.0 | 16.6 | 15.7 | 17.0 | 18.5 |
| 0.20" SP | CFM | 29,100 | 23,900 | 27,800 | 23,300 | 20,200 |
| | CFM/Watt | 13.8 | 14.8 | 14.5 | 15.1 | 15.9 |
| | Airflow Ratio | 0.82 | 0.77 | 0.85 | 0.78 | 0.73 |
| | BESS Lab Test | 10150 | 10154 | 11371 | 11370 | 11366 |

Single Phase

| | | VX55 2 HP VX552F1CT | VX55 1.5 HP VX5515F1CT | VX51 2 HP VX512F1CT | VX51 1.5 HP VX5115F1CT | VX51 1 HP VX511F1CT |
|----------|---------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|
| | Prop Diameter | 55" | 55" | 51" | 51" | 51" |
| | RPM | 540 | 490 | 620 | 575 | 535 |
| | Max BHP | 2.37 | 1.72 | 2.02 | 1.68 | 1.35 |
| 0.00" SP | CFM | 35,400 | 32,800 | 33,600 | 31,400 | 28,900 |
| | CFM/Watt | 17.6 | 22.7 | 20.3 | 23.3 | 26.5 |
| 0.05" SP | CFM | 34,100 | 30,900 | 32,200 | 29,800 | 27,000 |
| | CFM/Watt | 16.5 | 20.7 | 18.8 | 21.2 | 23.4 |
| 0.10" SP | CFM | 32,400 | 28,600 | 30,500 | 28,100 | 25,000 |
| | CFM/Watt | 15.3 | 18.5 | 17.2 | 19.2 | 20.9 |
| 0.15" SP | CFM | 30,800 | 26,000 | 28,600 | 26,100 | 22,600 |
| | CFM/Watt | 14.3 | 16.4 | 15.7 | 17.3 | 18.3 |
| 0.20" SP | CFM | 28,300 | 23,000 | 26,500 | 23,700 | 19,900 |
| | CFM/Watt | 13.1 | 14.5 | 14.4 | 15.3 | 15.8 |
| | Airflow Ratio | 0.83 | 0.74 | 0.82 | 0.80 | 0.74 |
| | BESS Lab Test | - | 11379 | 11363 | 11362 | 11359 |

VX26, VX24, VX18, VX16, VX14

Direct drive fan complete with standard inlet plastic shutter, discharge cone and outlet guard

Three Phase

| | | VX26 ½ HP VX26F3CP | VX24 ½ HP VX24F3CP |
|----------|---------------|--------------------------|--------------------------|
| | Prop Diameter | 26" | 24" |
| | RPM | 1,130 | 1,140 |
| | Max BHP | 0.49 | 0.46 |
| 0.00" SP | CFM | 8,690 | 6,710 |
| | CFM/Watt | 18.2 | 15.4 |
| 0.05" SP | CFM | 8,230 | 6,400 |
| | CFM/Watt | 16.7 | 14.3 |
| 0.10" SP | CFM | 7,750 | 6,030 |
| | CFM/Watt | 15.2 | 13.2 |
| 0.15" SP | CFM | 7,370 | 5,670 |
| | CFM/Watt | 14.2 | 12.1 |
| 0.20" SP | CFM | 6,820 | 5,340 |
| | CFM/Watt | 12.8 | 11.3 |
| | Airflow Ratio | 0.83 | 0.83 |

Single Phase

| | | VX26 ½ HP VX26F1CP | VX24 ½ HP VX24F1CP | VX18 ½ HP VX18F1CP | VX16 ½ HP VX16F1CP | VX14 ½ HP VX14F1CP |
|----------|---------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Prop Diameter | 26" | 24" | 18" | 16" | 14" |
| | RPM | 1,060 | 1,080 | 1,660 | 1,670 | 1,650 |
| | Max BHP | 0.39 | 0.37 | 0.39 | 0.23 | 0.13 |
| 0.00" SP | CFM | 7,800 | 6,490 | 4,450 | 3,300 | 2,020 |
| | CFM/Watt | 19.9 | 16.1 | 11.5 | 14.2 | 13.8 |
| 0.05" SP | CFM | 7,290 | 6,090 | 4,300 | 3,100 | 1,910 |
| | CFM/Watt | 17.8 | 14.7 | 11.0 | 13.2 | 12.6 |
| 0.10" SP | CFM | 6,740 | 5,740 | 4,120 | 2,900 | 1,790 |
| | CFM/Watt | 16.0 | 13.4 | 10.2 | 12.1 | 11.6 |
| 0.15" SP | CFM | 6,070 | 5,250 | 3,940 | 2,700 | 1,660 |
| | CFM/Watt | 14.1 | 12.2 | 9.6 | 11.1 | 10.5 |
| 0.20" SP | CFM | 5,280 | 4,760 | 3,740 | 2,400 | 1,440 |
| | CFM/Watt | 12.2 | 10.8 | 8.9 | 10.0 | 8.9 |
| | Airflow Ratio | 0.72 | 0.78 | 0.87 | 0.77 | 0.75 |

Munters Vortex Series

VX55, VX51, VX48, VX36, VX26, VX24, VX18, VX16, VX14

The Vortex series is our premium line of exhaust fans

Features

- Cast aluminum airfoil propeller
- Stainless steel hardware and fasteners
- Rugged, corrosion resistant and UV resistant fiberglass housing maintains shape and color
- High-strength extruded aluminum struts
- High-quality pillow block greasable bearings
- Greasable automotive-style belt tensioner
- Three-phase models compatible with variable frequency drives
- Standard rotationally-molded durable composite discharge cone
- Optional premium efficiency motor
- Optional belled inlet shutter for added airflow



Belled mount, discharge cone and outlet guard, available in sizes ranging from 14-55" improves airflow

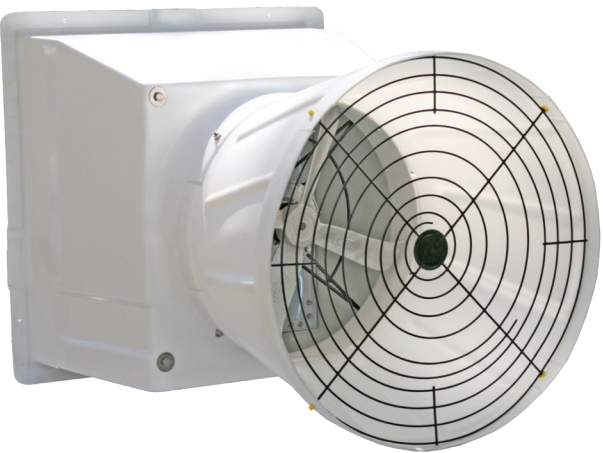
Built for performance and reliability, the Vortex series is a staple for producers who demand the best.

Agricultural fans must withstand the harshest environments, whether it be cold weather or hot, humid temperatures, Vortex is was designed and built with premium components for performance and reliability, making it the benchmark for the industry.

Wherever animals are housed, proper and efficient ventilation is critical for animal welfare and productivity. Reduce heat stress and provide comfortable temperatures year-round with a cross ventilation system. Precisely pressurize the attic with filtered and cooled air in a positive pressure swine operation or efficiently exhaust large buildings with ease in broiler, layer, and dairy buildings.

With sizes ranging from 14" – 55", Vortex is available as a belt drive, a variable frequency drive, or the revolutionary Munters Drive which producers more control of performance, maintenance and energy costs, animal comfort, and emissions.

Optional accessories for the Vortex 51" is the four-door damper; optimizing the fans spiral airflow pattern and offering a weather-tight seal for energy savings. Optional upgrades include a remote lubrication feature, permitting fan maintenance from outside the building. All of these features thoughtfully designed work together to provide top performance, reduced utility bills, maximum durability and a long lifespan.



A standard inlet plastic shutter, guards are standard

VX55, VX51

Belt drive fan complete with standard inlet plastic shutter, discharge cone and outlet guard

Three Phase

| | | VX55 2 HP VX552F3CP | VX55 1.5 HP VX5515F3CP | VX51 2 HP VX512F3CP | VX51 1.5 HP VX5115F3CP | VX51 1 HP VX511F3CP |
|---------------|---------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|
| | Prop Diameter | 55" | 55" | 51" | 51" | 51" |
| | RPM | 545 | 490 | 630 | 575 | 535 |
| | Max BHP | 2.36 | 1.81 | 2.15 | 1.72 | 1.37 |
| | CFM | 35,200 | 31,700 | 33,200 | 30,300 | 28,500 |
| 0.00" SP | CFM/Watt | 18.1 | 21.6 | 19.1 | 21.8 | 25.2 |
| | CFM | 33,700 | 29,900 | 31,900 | 28,800 | 26,700 |
| 0.05" SP | CFM/Watt | 16.8 | 19.8 | 17.7 | 20.0 | 22.6 |
| | CFM | 32,100 | 28,000 | 30,400 | 27,000 | 24,700 |
| 0.10" SP | CFM/Watt | 15.7 | 17.9 | 16.4 | 18.2 | 20.2 |
| | CFM | 30,000 | 25,700 | 28,800 | 24,900 | 22,100 |
| 0.15" SP | CFM/Watt | 14.4 | 16.1 | 15.2 | 16.4 | 17.6 |
| | CFM | 28,000 | 22,900 | 26,900 | 22,600 | 18,700 |
| 0.20" SP | CFM/Watt | 13.2 | 14.1 | 13.9 | 14.6 | 14.6 |
| | Airflow Ratio | 0.83 | 0.77 | 0.84 | 0.78 | 0.70 |
| BESS Lab Test | | 10148 | 10152 | 11372 | 11369 | 11367 |

Single Phase

| | | VX55 2 HP VX552F1CP | VX55 1.5 HP VX5515F1CP | VX51 2 HP VX512F1CP | VX51 1.5 HP VX5115F1CP | VX51 1 HP VX511F1CP |
|---------------|---------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|
| | Prop Diameter | 55" | 55" | 51" | 51" | 51" |
| | RPM | 540 | 490 | 620 | 575 | 535 |
| | Max BHP | 2.39 | 1.76 | 2.05 | 1.68 | 1.36 |
| | CFM | 33,900 | 31,400 | 32,700 | 30,500 | 27,800 |
| 0.00" SP | CFM/Watt | 16.9 | 21.1 | 19.3 | 21.7 | 24.8 |
| | CFM | 32,600 | 29,600 | 31,200 | 29,100 | 26,000 |
| 0.05" SP | CFM/Watt | 15.7 | 19.2 | 17.7 | 20.0 | 22.2 |
| | CFM | 31,100 | 27,700 | 29,500 | 27,200 | 24,000 |
| 0.10" SP | CFM/Watt | 14.7 | 17.5 | 16.3 | 18.2 | 19.9 |
| | CFM | 29,400 | 25,300 | 27,700 | 25,100 | 21,600 |
| 0.15" SP | CFM/Watt | 13.7 | 15.8 | 15.0 | 16.5 | 17.4 |
| | CFM | 27,200 | 22,200 | 25,600 | 22,900 | 18,600 |
| 0.20" SP | CFM/Watt | 12.5 | 13.7 | 13.7 | 14.8 | 14.7 |
| | Airflow Ratio | 0.83 | 0.75 | 0.82 | 0.79 | 0.72 |
| BESS Lab Test | | - | - | 11364 | 11361 | 11360 |

VX48, VX36

Belt drive fan complete with standard inlet plastic shutter, discharge cone and outlet guard

| | | VX48 Three Phase, 1.5 HP VX4815F3C | VX48 Three Phase, 1 HP VX481F3C | VX48 Single Phase, 1.5 HP VX4815F1C | VX48 Single Phase, 1 HP VX481F1C |
|----------|---------------|--|---------------------------------------|---|--|
| | Prop Diameter | 48" | 48" | 48" | 48" |
| | RPM | 635 | 575 | 635 | 575 |
| | Max BHP | 1.69 | 1.26 | 1.69 | 1.26 |
| | CFM | 27,500 | 25,000 | 27,500 | 25,000 |
| 0.00" SP | CFM/Watt | 18.8 | 24.1 | 18.8 | 24.1 |
| | CFM | 26,100 | 23,500 | 26,100 | 23,500 |
| 0.05" SP | CFM/Watt | 17.2 | 21.7 | 17.2 | 21.7 |
| | CFM | 24,800 | 22,000 | 24,800 | 22,000 |
| 0.10" SP | CFM/Watt | 15.9 | 19.6 | 15.9 | 19.6 |
| | CFM | 23,300 | 20,200 | 23,300 | 20,200 |
| 0.15" SP | CFM/Watt | 14.5 | 17.5 | 14.5 | 17.5 |
| | CFM | 21,600 | 17,900 | 21,600 | 17,900 |
| 0.20" SP | CFM/Watt | 13.2 | 15.2 | 13.2 | 15.2 |
| | Airflow Ratio | 0.79 | 0.76 | 0.79 | 0.76 |

Fan complete with standard **inlet plastic shutter**, discharge cone and outlet guard:

Formerly *AT series* - Replace VX for AT when searching BESS lab. *AT Advantage fans are part of the VX Series as of 2014*

| | | VX36 Belt Drive, 1.5 HP VX365ZC | VX36 Belt Drive, 1 HP VX361ZC | VX36 Belt Drive, 0.5 HP VX365ZC | VX36 Direct Drive, 0.5 HP VX36ZC |
|----------|---------------|---------------------------------------|-------------------------------------|---------------------------------------|--|
| | Prop Diameter | 36" | 36" | 36" | 36" |
| | RPM | 1,075 | 1,010 | 770 | 850 |
| | Max BHP | 1.63 | 1.35 | 0.67 | 0.60 |
| | CFM | 16,910 | 15,850 | 12,570 | 12,620 |
| 0.00" SP | CFM/Watt | 11.8 | 13.4 | 21.4 | 21.0 |
| | CFM | 16,260 | 15,150 | 11,800 | 11,870 |
| 0.05" SP | CFM/Watt | 11.0 | 12.4 | 19.4 | 18.7 |
| | CFM | 15,700 | 14,560 | 10,880 | 10,920 |
| 0.10" SP | CFM/Watt | 10.4 | 11.7 | 17.1 | 16.6 |
| | CFM | 15,110 | 13,930 | 9,890 | 9,950 |
| 0.15" SP | CFM/Watt | 9.8 | 11.0 | 15.2 | 14.7 |
| | BESS Lab Test | 04085 | 04084 | 93239 | 96151 |

VX26, VX24, VX18, VX16, VX14

Direct drive fan complete with belled inlet plastic shutter, discharge cone and outlet guard

Three Phase

| | | VX26 ½ HP VX26F3CT | VX24 ½ HP VX24F3CT |
|----------|---------------|--------------------------|--------------------------|
| | Prop Diameter | 26" | 24" |
| | RPM | 1,130 | 1,140 |
| | Max BHP | 0.49 | 0.46 |
| | CFM | 8,950 | 6,880 |
| 0.00" SP | CFM/Watt | 18.8 | 15.8 |
| | CFM | 8,480 | 6,560 |
| 0.05" SP | CFM/Watt | 17.2 | 14.7 |
| | CFM | 7,940 | 6,150 |
| 0.10" SP | CFM/Watt | 15.6 | 13.5 |
| | CFM | 7,550 | 5,780 |
| 0.15" SP | CFM/Watt | 14.5 | 12.3 |
| | CFM | 6,960 | 5,470 |
| 0.20" SP | CFM/Watt | 13.0 | 11.6 |
| | Airflow Ratio | 0.82 | 0.82 |

Single Phase

| | | VX26 ½ HP VX26F1CT | VX24 ½ HP VX24F1CT | VX18 ½ HP VX18F1CT | VX16 ¼ HP VX16F1CT | VX14 ⅓ HP VX14F1CT |
|----------|---------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Prop Diameter | 26" | 24" | 18" | 16" | 14" |
| | RPM | 1,060 | 1,080 | 1,660 | 1,670 | 1,650 |
| | Max BHP | 0.39 | 0.37 | 0.39 | 0.23 | 0.13 |
| | CFM | 7,990 | 6,650 | 4,580 | 3,370 | 2,060 |
| 0.00" SP | CFM/Watt | 20.3 | 16.5 | 11.8 | 14.5 | 14.1 |
| | CFM | 7,470 | 6,210 | 4,430 | 3,180 | 1,950 |
| 0.05" SP | CFM/Watt | 18.3 | 15.0 | 11.3 | 13.5 | 12.9 |
| | CFM | 6,870 | 5,850 | 4,240 | 2,990 | 1,830 |
| 0.10" SP | CFM/Watt | 16.3 | 13.7 | 10.5 | 12.5 | 11.9 |
| | CFM | 6,220 | 5,380 | 4,040 | 2,790 | 1,710 |
| 0.15" SP | CFM/Watt | 14.4 | 12.5 | 9.8 | 11.5 | 10.8 |
| | CFM | 5,460 | 4,930 | 3,830 | 2,500 | 1,490 |
| 0.20" SP | CFM/Watt | 12.6 | 11.2 | 9.1 | 10.4 | 9.2 |
| | Airflow Ratio | 0.73 | 0.79 | 0.86 | 0.79 | 0.76 |