



GRAIN CONDITIONING EQUIPMENT



161 DOAN STREET BOX 825
WILMINGTON, OHIO 45177
(937) 382-3501
www.deequipment.com



SM



Axial Fans



Fan's **venturi opening** uses innovative curvature design for efficient air performance.

10-mil PVC coating on **screen guard** provides superior corrosion resistance and attractive appearance.

Totally-enclosed, air over (TEAO) **motors** are standard for all Brock GUARDIAN[®] Series axial fans.

Air vanes are a standard feature on all 18-inch (457-mm) diameter and larger fans. The vanes aid efficient airflow at higher static pressures by reducing air turbulence.



Two-piece bolt-together **motor mount/fan support** provides a solid connection for mounting the fan and aids fan stability during operation.



Dynamically-balanced cast aluminum **blade** has advanced air foil design for efficient air handling.



Totally-enclosed, fan-cooled (TEFC) **motors** are standard for all Brock GUARDIAN[®] Series centrifugal fans.



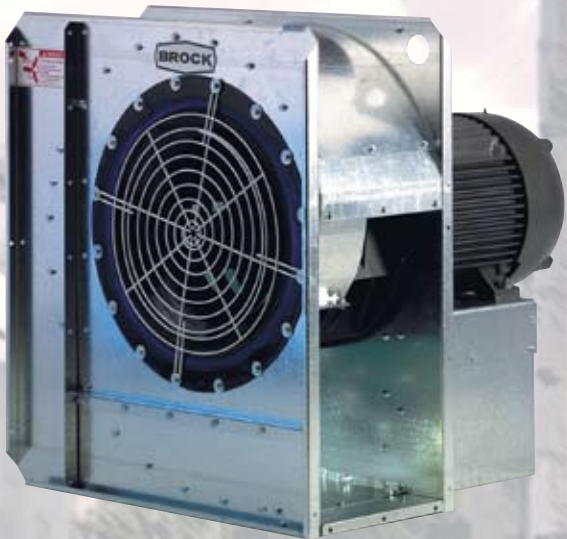
Dynamically-balanced, seam-welded steel **centrifugal wheel** features advanced air foil blade design to help maximize air performance.

High-Speed (3450 RPM) and Low-Speed (1750 RPM) Centrifugal Fans



All Brock GUARDIAN® Series centrifugal fans have a reinforced, 12-gauge, galvanized **steel housing** for durability and long fan life.

Fan's **air inlet orifice** uses an innovative design to promote better airflow into the centrifugal wheel to enhance fan performance.



10-mil PVC coating on **screen guard** provides superior corrosion resistance and attractive appearance.



Diverter and baffle help to redirect air spilling from the centrifugal wheel to encourage smooth, efficient fan operation.



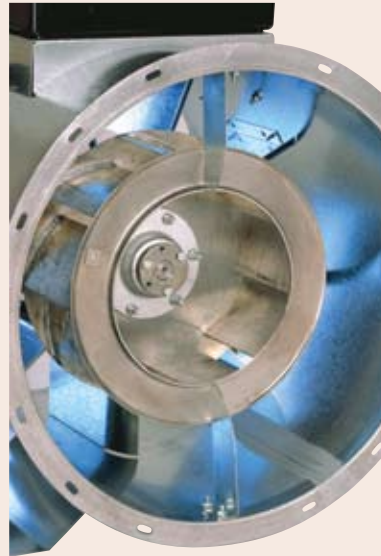
Brock's low-speed centrifugal fan models have **adjustable feet** to assist with leveling the unit on the fan platform.



Use a **flexible coupling** to connect this Brock low-speed centrifugal fan model to irrigation or other utility engines. Fan features:

- Heavy-duty two-inch (50-mm) diameter high-tensile steel drive shaft.
- Industrial-grade double pillow-block bearings.

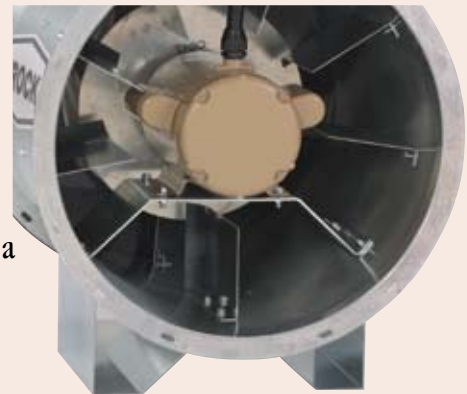
Centrifugal In-Line Fans



Dynamically-balanced aluminum **centrifugal wheel** features advanced air foil blade design to efficiently handle low airflows at medium to high static pressures.

All Brock GUARDIAN® Series centrifugal in-line fans feature a reinforced, 12-gauge, galvanized **steel housing** for durability and long fan life.

Totally-enclosed, air over (TEAO) **motors** are standard for all Brock GUARDIAN® Series centrifugal in-line fans.



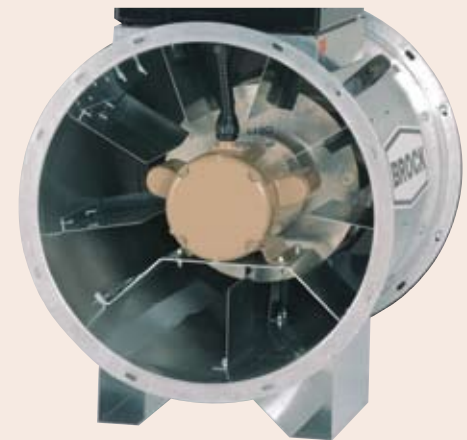
Two-piece bolt-together **motor mount/fan support** provides a solid connection for mounting the fan and aids fan stability during operation.



Fan's **air inlet orifice** uses an innovative design to promote better airflow into the centrifugal wheel to enhance fan performance.



10-mil PVC coating on **screen guard** provides attractive appearance and superior corrosion resistance.



Air straightening vanes aid efficient air flow by reducing air turbulence.

The unique **baffle** design helps to direct air into the centrifugal wheel to encourage smooth, efficient fan operation.

SPECIFIC CONTROLS, STANDARD BOX



A standardized control box is used with all Brock GUARDIAN® Series fans. Brock's controls are specifically matched to each fan unit and have adjustable overload protection.



Made of durable polycarbonate with a hinged translucent cover, the **control housing** is designed to be weather-, dust-, and rodent-proof.



Standard **Telemecanique®** components are used for safe and reliable motor control.

Telemecanique is not owned or licensed by CTB and is the sole property of its respective owner.

AIR FLOW RATINGS

Axial Fans (3450 RPM) Air Flow Ratings (Cubic Feet Per Minute - CFM)



| Model | HP | INCHES OF STATIC PRESSURE | | | | | | | | | | | | | | |
|----------|-----|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | 0.0 | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 |
| AX12-075 | .75 | 2,320 | 2,010 | 1,480 | 980 | 630 | 430 | | | | | | | | | |
| AX12-1 | 1 | 2,320 | 2,010 | 1,480 | 980 | 630 | 430 | | | | | | | | | |
| AX14-1 | 1.5 | 3,350 | 3,050 | 2,530 | 1,950 | 1,410 | 1,000 | 740 | | | | | | | | |
| AX16-1 | 1.5 | 3,650 | 3,310 | 2,840 | 2,320 | 1,810 | 1,340 | 930 | 580 | | | | | | | |
| AX18-2 | 2 | 4,750 | 4,390 | 3,920 | 3,350 | 2,700 | 2,040 | 1,430 | 990 | | | | | | | |
| AX18-3 | 3 | 5,990 | 5,720 | 5,430 | 5,030 | 4,500 | 3,840 | 3,100 | 2,360 | 1,730 | 1,370 | | | | | |
| AX22-4 | 4.5 | 9,160 | 8,670 | 8,250 | 7,790 | 7,220 | 6,510 | 5,650 | 4,710 | 3,770 | 2,970 | 2,480 | | | | |
| AX24-5 | 5 | 12,300 | 11,770 | 11,130 | 10,380 | 9,510 | 8,540 | 7,490 | 6,390 | 5,290 | 4,250 | 3,320 | 2,580 | 2,130 | | |
| AX24-7 | 7.5 | 13,500 | 13,140 | 12,630 | 11,960 | 11,170 | 10,270 | 9,290 | 8,250 | 7,190 | 6,140 | 5,130 | 4,210 | 3,440 | | |
| AX24-10 | 10 | 15,490 | 15,160 | 14,580 | 13,790 | 12,840 | 11,750 | 10,570 | 9,320 | 8,060 | 6,810 | 5,610 | 4,490 | 3,500 | | |
| AX26-12 | 12 | 14,690 | 14,090 | 13,570 | 13,070 | 12,550 | 11,990 | 11,350 | 10,620 | 9,780 | 8,820 | 7,740 | 6,540 | 5,240 | | |
| AX28-15 | 15 | 16,330 | 15,880 | 15,460 | 15,020 | 14,570 | 14,090 | 13,560 | 12,980 | 12,340 | 11,640 | 10,880 | 10,060 | 9,190 | 8,260 | 7,300 |



AIR FLOW RATINGS



Low-Speed Centrifugal Fans (1750 RPM)

Air Flow Ratings (Cubic Feet Per Minute - CFM)

| Model | HP | INCHES OF STATIC PRESSURE | | | | | | | | | | | |
|---------|-----|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | |
| LC22-3 | 3 | 4,800 | 4,500 | 4,150 | 3,740 | 3,270 | 2,740 | | | | | | |
| LC22-5 | 5 | 7,840 | 7,360 | 6,790 | 6,110 | 5,350 | 4,490 | | | | | | |
| LC24-7 | 7.5 | 10,720 | 10,180 | 9,560 | 8,850 | 8,060 | 7,170 | 6,190 | | | | | |
| LC24-10 | 10 | 13,180 | 12,530 | 11,760 | 10,890 | 9,910 | 8,820 | 7,620 | | | | | |
| LC27-10 | 10 | 11,870 | 11,410 | 10,870 | 10,260 | 9,580 | 8,830 | 8,000 | 7,100 | | | | |
| LC27-15 | 15 | 16,960 | 16,300 | 15,530 | 14,660 | 13,690 | 12,610 | 11,430 | 10,140 | | | | |
| LC27-20 | 20 | 19,160 | 18,410 | 17,550 | 16,570 | 15,470 | 14,250 | 12,920 | 11,460 | | | | |
| LC30-25 | 25 | 23,260 | 22,540 | 21,720 | 20,810 | 19,800 | 18,710 | 17,510 | 16,230 | 14,850 | 13,380 | | |
| LC30-30 | 30 | 24,420 | 23,660 | 22,810 | 21,850 | 20,790 | 19,640 | 18,390 | 17,040 | 15,590 | 14,050 | | |
| LC33-40 | 40 | 29,820 | 28,980 | 28,090 | 27,140 | 26,120 | 25,050 | 23,910 | 22,710 | 21,450 | 20,130 | 18,760 | |
| LC33-50 | 50 | 36,030 | 35,020 | 33,940 | 32,790 | 31,560 | 30,260 | 28,890 | 27,440 | 25,920 | 24,330 | 22,660 | |

High-Speed Centrifugal Fans (3450 RPM)

Air Flow Ratings (Cubic Feet Per Minute - CFM)

| Model | HP | INCHES OF STATIC PRESSURE | | | | | | | | | | | |
|---------|-----|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | 0.0 | 2.0 | 4.0 | 6.0 | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 | 18.0 | 20.0 | |
| HC15-3 | 3 | 2,610 | 2,410 | 2,200 | 1,970 | 1,670 | 1,290 | | | | | | |
| HC15-5 | 5 | 4,430 | 4,090 | 3,740 | 3,330 | 2,830 | 2,190 | | | | | | |
| HC18-7 | 7.5 | 4,500 | 4,260 | 4,020 | 3,760 | 3,490 | 3,170 | 2,800 | 2,360 | | | | |
| HC18-10 | 10 | 5,940 | 5,610 | 5,290 | 4,960 | 4,600 | 4,180 | 3,690 | 3,110 | | | | |
| HC18-15 | 15 | 9,010 | 8,510 | 8,030 | 7,530 | 6,970 | 6,340 | 5,600 | 4,720 | | | | |
| HC22-20 | 20 | 8,160 | 7,870 | 7,580 | 7,300 | 7,000 | 6,690 | 6,360 | 5,990 | 5,580 | 5,120 | 4,600 | |
| HC22-25 | 25 | 10,020 | 9,660 | 9,310 | 8,960 | 8,590 | 8,210 | 7,800 | 7,350 | 6,850 | 6,280 | 5,650 | |
| HC22-30 | 30 | 12,060 | 11,620 | 11,200 | 10,780 | 10,340 | 9,890 | 9,390 | 8,850 | 8,240 | 7,560 | 6,800 | |
| HC22-40 | 40 | 15,950 | 15,380 | 14,820 | 14,260 | 13,690 | 13,080 | 12,420 | 11,700 | 10,900 | 10,010 | 9,000 | |
| HC22-50 | 50 | 18,550 | 17,880 | 17,230 | 16,580 | 15,920 | 15,210 | 14,450 | 13,610 | 12,680 | 11,640 | 10,460 | |

Centrifugal In-Line Fans (3450 RPM)

Air Flow Ratings (Cubic Feet Per Minute - CFM)

| Model | HP | INCHES OF STATIC PRESSURE | | | | | | | | | | | | |
|---------|-----|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 |
| IC18-2 | 2 | 2,400 | 2,270 | 2,080 | 1,900 | 1,710 | 1,360 | | | | | | | |
| IC18-3 | 3 | 3,740 | 3,530 | 3,240 | 2,970 | 2,660 | 2,120 | | | | | | | |
| IC24-3 | 3 | 4,020 | 3,900 | 3,710 | 3,530 | 3,340 | 3,140 | 2,850 | 2,370 | | | | | |
| IC24-5 | 5 | 6,130 | 5,940 | 5,660 | 5,370 | 5,100 | 4,790 | 4,350 | 3,610 | | | | | |
| IC24-7 | 7.5 | 6,960 | 6,600 | 6,260 | 5,950 | 5,640 | 5,320 | 4,970 | 4,570 | 4,070 | | | | |
| IC28-10 | 10 | 6,040 | 5,870 | 5,670 | 5,460 | 5,250 | 5,040 | 4,820 | 4,600 | 4,360 | 4,110 | 3,820 | 3,490 | 3,080 |
| IC28-15 | 15 | 9,110 | 8,850 | 8,550 | 8,240 | 7,920 | 7,600 | 7,270 | 6,930 | 6,580 | 6,200 | 5,770 | 5,260 | 4,650 |

Air flow ratings have been determined by an independent fan testing facility in accordance with AMCA Standard 210.



Brock Grain Systems

Chore-Time Brock International

Divisions of CTB, Inc.

Milford, IN • Kansas City, MO • Frankfort, IN

Phone: 574.658.4191 or +1.574.658.9323 (International)

Internet: www.brockgrain.com or www.ctbworld.com

E-Mail: brock@brockgrain.com