



GRAIN CONDITIONING EQUIPMENT





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.



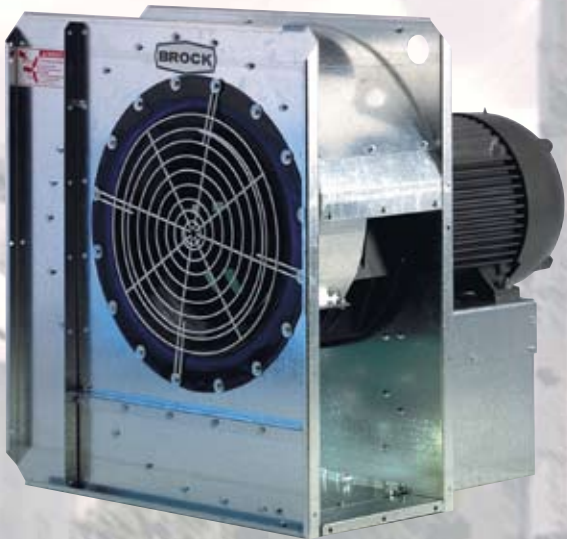
Dynamically-balanced, seam-welded steel **centrifugal wheel** features advanced air foil blade design to help maximize air performance.

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.



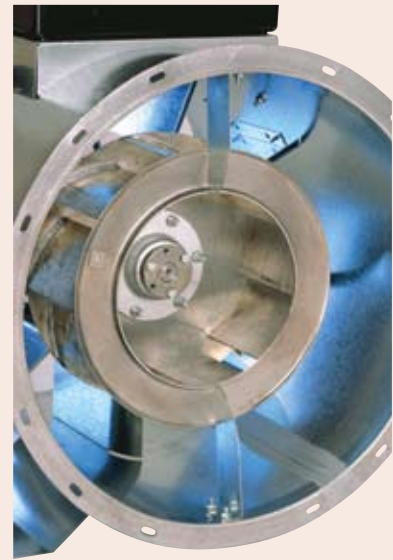
Brock's low-speed centrifugal fan models have **adjustable feet** to assist with leveling the unit on the fan platform.



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.

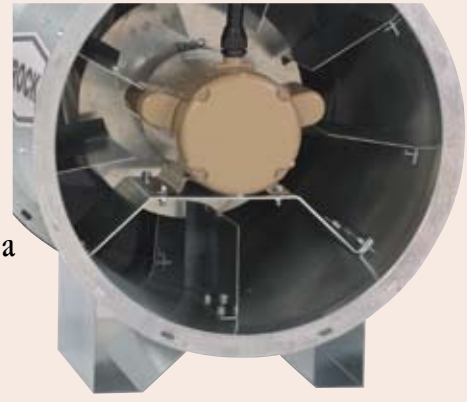
Centrifugal In-Line Fans



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.



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