



Acme Engineering & Manufacturing Corp.
 P.O. Box 978 • Muskogee, OK 74402
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FANS

**Belt Drive Panel Fans
 For Agriculture**



- **Galvanized Construction** - Corrosion resistant, long lasting.
- **Wide Cambered Propeller** - Huge airflow, low energy costs, high CFM/Watt.
- **Riveted Blades** - Controls critical stresses.
- **Unique Captured Bearings** - Strong formed bearing casing maintains proper alignment and spacing.
- **Vertical Support Frame** - Supports both frame and motor to assist pulley alignment and easy adjustment.
- **Also Available** in slant housing, metal box and wood box.
- **Totally Enclosed Motors** - With shielded ball bearings, continuous duty type and energy efficient.
- **Discharge Diffuser Cone** - Increases performance of fan without additional HP.
- **Optional Belt Tightener** - Maintains proper belt tension for peak airflow.

FAN SIZE	MODEL	RPM	HP	CFM VS. STATIC PRESSURE (INCHES WG)											
				.000"			.050"			.100"			.150"		
				CFM	*BHP	C/W	CFM	*BHP	C/W	CFM	*BHP	C/W	CFM	*BHP	C/W
Fan With Slant Housing, Shutter, Outlet Guard, Diffuser Cone															
36"	BDR36G-C	634	1/2	12,360	.62	20.2	11,800	.63	18.7	11,700	.65	17.1	10,560	.67	15.7
48"	BDR48J-C	473	1	23,800	1.11	22.5	22,700	1.15	20.6	21,600	1.20	19.0	20,300	1.25	17.2
	BDR48K-C	535	1½	26,500	1.56	17.9	25,600	1.62	16.6	24,600	1.65	15.5	23,500	1.71	14.3
54"	BDR54J1-C	451	1	□	□	□	27,700	1.30	23.5	26,300	1.33	20.9	24,700	1.45	18.6
	BDR54K-C	484	1½	30,630			29,604			28,380			27,120		

- Fan Performance Above Wind Tunnel Capacity.
- * BHP Generated By Using Motor Calibration Test Data. BHP and CFM/Watt Includes Drive Losses.
- Not available.

WARNING! DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments.

CAUTION! Guards are strongly recommended when the fan is installed within (7) feet of the floor, working level or within reach of personnel. Guards complying with OSHA regulations are available as optional equipment. Review OSHA Codes and obtain a quotation.

Performance Shown For BDR36, BDR48 and BDR54J1 From Test Performed At BESS Labs.
 Performance Shown for BDR54K From Test Performed at AMCA Lab.

The products shown on this brochure are covered by a limited warranty. For a complete copy of the warranty statement, see Catalog ACS27 or write to Acme Engineering & Manufacturing Corp., P.O. Box 978, Muskogee, OK 74402.

ACCESSORIES: These optional accessories are available to assist and enhance installation, adapt for a particular application and maintain high efficient operation.



Aluminum Shutters

- All Aluminum Construction
- Counter Balanced Blades
- Nylon Bearing
- Stainless Steel Hinge Pins
- Low Air Resistance

Fan Size	Shutter Model
36"	WAA3939
48"	WAA5454
54"	WAA6060

APS Plastic Shutters

New advanced design incorporating UV stabilized PVC, ABS, Fiberglass and Stainless Steel.

- Corrosion Resistant
- Rigid PVC Frame
- Aerodynamic PVC Blades
- Minimum Leakage

Fan Size	Shutter Model
36"	APS3939
48"	APS5454
54"	APS6060

Wall Housing

Galvanized slant housing with flanges for mounting to exterior wall for exhaust applications in tunnel ventilated and cooled buildings.

The slant arrangement protects the components from weather, incorporates wiring knockout, provides convenient shutter mounting with quick release clips, includes outlet screen and enhances air flow through velocity regain. Housings are available knocked down crated with fan and shutters; motors shipped separately. Housing may be ordered assembled at additional charge with shutter and motor shipped separately.

Fan Size	Housing Model
36"	WSS36
48"	WSS48
54"	WSS54

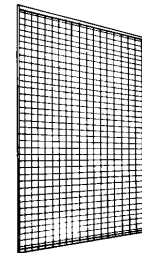


Belt Tightener

Fan belts will stretch with operation over time. Although most of this stretch occurs in the first month of operation, stretching will continue, reducing performance. The belt tightener will maintain constant tension keeping RPM at the designed level for efficient operation. The galvanized components resist corrosion and incorporate a compression spring to prevent the belt from jumping off the pulley at start up.

Box Fans

Available in galvanized steel or as wood box models. Belt drive sizes 36" and 48", direct drive single speed and variable speed sizes 24", 30" and 36". 48" direct drive single speed only. Front and back guards standard. Belt drive model shown. See Forms B71 and B74 for direct drive models.



Guards

Guards are galvanized heavy gauge welded wire.



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