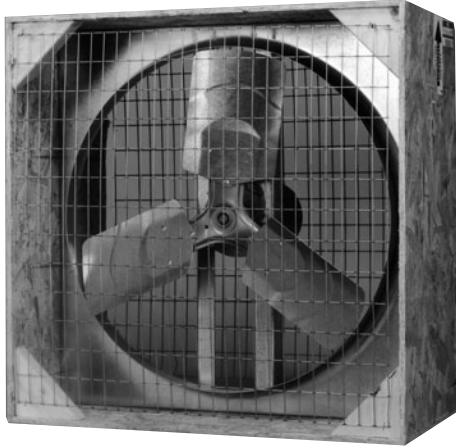


Agricultural Exhaust Fans

Direct Drive Exhaust Fans

24" to 48" Direct Drive Agricultural Exhaust Fans – Strand Board Housing

Wood crate fans offer all the benefits of direct-drive in a housing that is economical and ready to install.



Features and Specifications

- No pulleys or belt to adjust or replace
- G-90 galvanized steel venturi panel 2-blade or 3-blade propeller
- Shipped completely assembled in OSB crate mounting frame
- 1" x 2" wire mesh grid intake and discharge screens;
- Motor has wire leads for easier installation
- TENV(AO), sealed ball bearing, permanent split capacitor motor (except 4DDA48F9V – three phase)
- Automatic reset thermal protection
- Anti-rust shaft protection
- Cup-shaped slinger to protect shaft-end bearing against direct and moisture



Fantech, Inc. and Systemair Mfg. Inc. certify that the Direct Drive Exhaust Fans models 4DDA24D3V and 4DDA48F3V shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

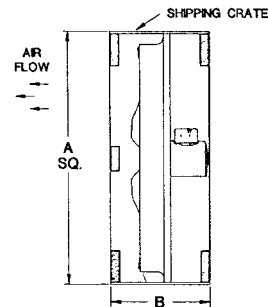
Model	Propeller Dia.	CFM Air Delivery at RPM Shown					RPM	HP	Volts 60 Hz.	Max. BHP*
		Free Air	0.05" SP	0.10" SP	0.15" SP					
4DDA24D3V**	24"	5,870	5,650	5,410	5,150	1075	1/2	230	0.57	
4DDA36D2V	36"	10,910	10,360	9,810	9,210	850	1/2	115/230	0.56	
4DDA48F3V**	48"	20,336	18,992	17,495	15,961	850	1	230	1.01	
4DDA48F9V	48"	20,336	18,992	17,495	15,961	850	1	440/460	1.01	

** AMCA Certified

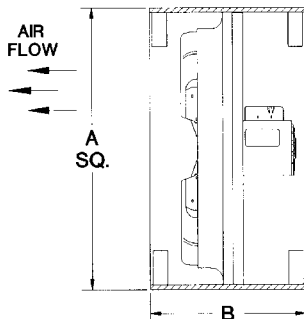
Performance Data for fan mounted in OSB crate without intake or discharge screens or ducts.

*BHP (Brake Horse Power) is maximum horsepower required at delivery shown.

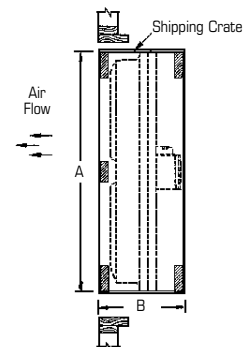
Performance certified is for installation type A-free inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).



Stock No.	Propeller Dia.	A SQ.	B	Shipping Weight
4DDA36D2V	36"	41"	16"	83



Stock No.	Propeller Dia.	A SQ.	B	Shipping Weight
4DDA24D3V	24"	29"	16"	58



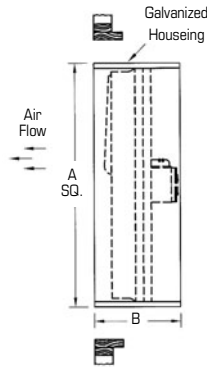
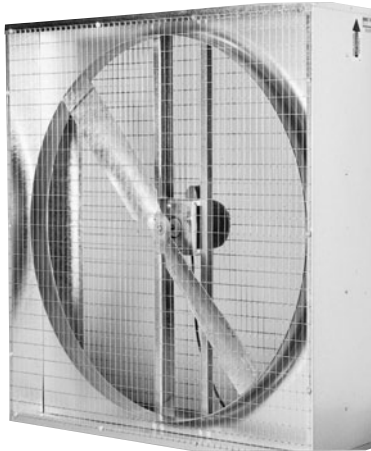
Stock No.	Propeller Dia.	A SQ.	B	Shipping Weight
4DDA48F3V	48"	55"	17"	139
4DDA48F9V	48"	55"	17"	139

Agricultural Exhaust Fans

Direct Drive Exhaust Fans and Belt-Drive Cone Fans

48" Direct Drive Agricultural Fan – Galvanized Housing

Galvanized direct drive box fans are sturdy and corrosion resistant to give you long life, especially in environments with high humidity or excessive moisture.



Features and Specifications

- Prepunched holes in sides for easy hanging
- Superior corrosion resistant G-90 galvanized housing
- No pulleys or belt to adjust or replace
- G-90 galvanized steel venturi panel and 2-blade or 3-blade propeller
- Shipped completely assembled in OSB crate mounting frame
- 1" x 2" wire mesh grid intake and discharge screens;
- Motor has wire leads for easier installation
- TENV(AO), sealed ball bearing, permanent split capacitor motor
- Automatic reset thermal protection
- Anti-rust shaft protection
- Cup-shaped slinger to protect shaft-end bearing against direct and moisture

Stock No.	Propeller Dia.	A SQ.	B	Shipping Weight
4DDA48F3U	48"	54-1/4"	16-1/2"	148

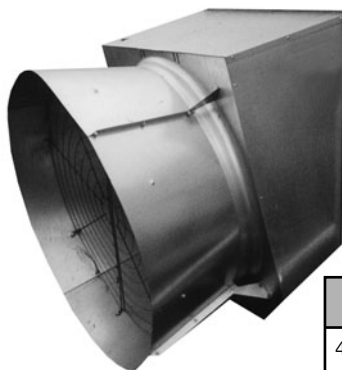
Model	Propeller Dia.	CFM Air Delivery at RPM Shown				RPM	HP	Volts 60 Hz.	Max. BHP*
		Free Air	0.05" SP	0.10" SP	0.15" SP				
4DDA48F3U	48"	20,336	18,922	17,495	15,961	850	1	230	1.01

*BHP (Brake Horse Power) is maximum horsepower required at delivery shown. Performance certified is for installation type A-free inlet, free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

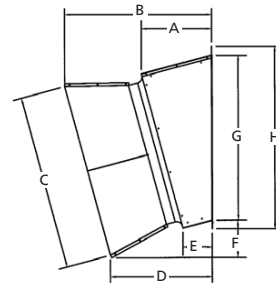
36" and 48" Belt-Drive Cone Fan

Special purpose fans designed for easy hanging, low maintenance, easy installation and long life. Ideal for exhausting caustic air from greenhouses, live stock and poultry houses.

Designed with a discharge cone to increase fan performance and efficiency. Ideal for use in livestock and poultry houses.



Fantech, Inc. and Systemair Mfg. Inc. certify that the Belt-Drive Cone Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



Stock No.	Propeller Dia.	A	B	C	D	E	F	G	H	Shipping Wt.
4BDA36D21	36"	22-1/2"	42-1/2"	44-5/8"	31"	12"	11-1/4"	41-1/4"	46-1/2"	200
4BDA48F21	48"	23-1/2"	49-1/4"	59-1/4"	34"	10"	12-3/4"	56"	61-3/4"	200

Model	Propeller Dia.	CFM Air Delivery at RPM Shown				RPM	BHP*	Motor	
		0.0" SP	0.05" SP	0.10" SP	0.15" SP			HP	RPM
4BDA36D21	36"	12,820/16	12,425/15	11,718/13	10,989/12	594	.86	1/2	1725
4BDA48F21	48"	25,028/23	24,005/21	23,111/18	22,110/16	564	1.60	1	1725

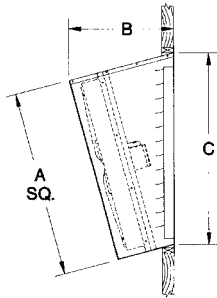
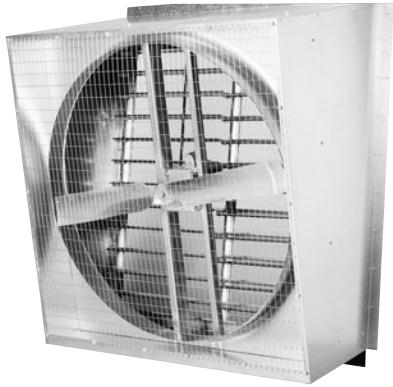
*BHP (Brake Horse Power) is maximum horsepower required at .15 static pressure. Does not include drive losses. Performance certified is for installation type A: free inlet, free outlet. Performance ratings include the effects of inlet shutter, discharge guard and belt tensioner. Power rating (BHP) does not include transmission losses.

Agricultural & Horticultural Exhaust Fans

Slantwall Fans

36" and 48" Direct-Drive Slantwall Fans

Slantwall fans give you easy access to the motor and fan from outside, plus the housing slope permits use in high snowfall areas.



Features and Specifications

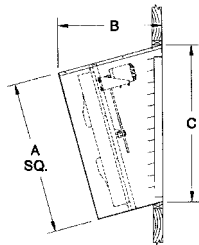
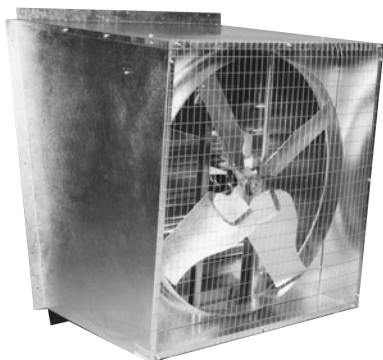
- G-90 galvanized steel housing and fan with corrosion resistant shutter
- Shipped completely assembled including fan housing, intake shutter and 1" x 2" mesh discharge screen
- No pulleys or belt to adjust or replace
- Mounts flush to inside of building
- TENV (AO) sealed ball bearing permanent split capacitor motor (switchless)
- Automatic reset thermal protection
- Anti-rust shaft
- Cup-shaped slinger to protect shaft end bearing against dirt and moisture

Stock No.	Propeller			Opening Required		Shipping Weight
	Dia.	A	B	W	H	
4DDA36D2Z	36"	40"	26-3/4"	41-1/2"	41"	200
4DDA48F3Z	48"	54-1/8"	30-1/2"	55-7/8"	55"	360

Model	Propeller Dia.	No. Fan Blades	CFM Air Delivery at RPM Shown				RPM	HP	Volts
			Free Air	0.05" SP	0.10" SP	0.15" SP			
4DDA36D2Z	36"	2	9,725	9,030	8,205	7,290	860	1/2	115/230
			20.1 CFM/Watt	18.0 CFM/Watt	15.7 CFM/Watt	13.4 CFM/Watt			
4DDA48F3Z	48"	2	18,955	17,435	16,050	14,600	850	1	230
			18.7 CFM/Watt	16.9 CFM/Watt	15.3 CFM/Watt	13.8 CFM/Watt			

Performance certified is for installation type A-free inlet, free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings include the effects of metal housing and shutter.

48" Belt-Drive Slantwall Fan



Features and Specifications

- Galvanized steel venturi panel and housing with corrosion resistant shutter
- Galvanized 1" x 2" wire mesh grid discharge screens
- Cast iron drive sheaves and belt shipped with fan
- Includes housing, fan, shutter and motor

Stock No.	Dia.	A	B	C	Opening Required		Shipping Weight
					W	H	
4BDA48F2Z	48"	54-1/8"	38-3/8"	55-7/8"	55"	58-1/2"	293

Model	Propeller Dia.	No. Fan Blades	CFM Air Delivery at RPM Shown				RPM	Volts	HP
			Free Air	0.05" SP	0.10" SP	0.15" SP			
4BDA48F2Z	48"	4	19,300	18,300	17,400	16,100	500	115/230	1

*Performance Data tested at University of Illinois, B.E.S.S. Laboratory.