

Move More Air.

Horizontal Airflow Fans

Optimum performance & versatility are standard features of the VAL-CO® Basket Style Horizontal Airflow Fans.

A perfect complement for general purpose air movement in Horticultural and Agricultural applications.



24" model



Truss Mount

Ceiling Mount



Wall/Post Mount

- Heavy-duty PVC coated, welded wire guard screen
- Sanitary white color
- Snap together guard screen for fast removal
- Variable & single speed operation
- Versatile mounting options for most locations
- High efficiency motors & blade

36" model



24" model (profile)



12" model



Model Number	Item Description	Motor Amps	CFM	Volts	Shipping Weight Lbs.	Kgs.
HF12N01	12" Horiz. Air Flow Fan	1/5	2600	115/230	22.0	10.0
HF20N01	20" Horiz. Air Flow Fan	3.6/1.8	6000	115/230	25.0	11.3
HF24N01	24" Horiz. Air Flow Fan	4.6/2.3	8500	115/230	28.0	12.7
HF36N01	36" Horiz. Air Flow Fan	7.0/2.3	11500	115/230	42.0	19.1
HF36N03	36" Horiz. Air Flow Fan	2.4/1.2	11500	230/460 (3Ph-60Hz)	43.0	19.5

NOTE: All above fans are non OSHA, PVC Coated Guard Screen, White



Performance You Can Count On

1-800-328-8842



1-800-328-8842

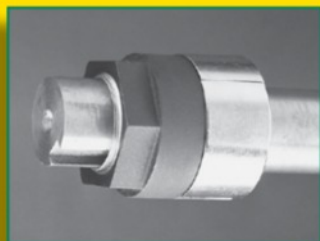
Direct Drive Fans for Performance Second to None.

Built for Life. Built to Last.

Engineered for a unique combination of aerodynamic detailing with high efficiency, long-life and worry-free performance



Power Miser Fan Series



TranTorque Fitting locks tight on motor shaft, no set screws to loosen and allows easy change-out of blade and motor



Composite Blades offer multi-wing design, cast aluminum hub and individual replacement blades



Performance You Can Count On

12" to 24" Direct Drive Fans

Power Miser Fan Series

Features:

- Matching blades and energy-efficient motors provide maximum CVM/watt of electrical power
- Unique four-point stainless steel motor mount design provides minimum air restriction and vibration-free performance
- Custom 230 volt PSC motors with 2 or 3 wire variable speed control option
- Corrosion-resistant molded fiberglass construction
- Poly discharge cones for ultimate performance
- Self-slope design sheds moisture
- PVC coated guard screens
- PVC shutters are impact resistant, self-sealing with extruded PVC frames
- Optional cast aluminum blades, winter doors and dual-voltage motors on most models
- Optional white or black colors on fans and PVC louvers

Fiberglass Flush-Mount Direct Drive Fans

FW Fan Series

Features:

- Matching blades and energy-efficient motors provide maximum CFM/watt of electrical power
- Unique four-point stainless steel motor mount design provides minimum air restriction and vibration-free performance
- Sealed lifetime lubricated motors with built-in thermal overload protection
- One-piece, corrosion-resistant molded fiberglass construction
- Sloped wall housing design for easy cleaning and complete condensation drainage
- Interior flush-mount, self-trimming design eliminates obstructions in alleyways
- PVC shutters are impact resistant, self-sealing with extruded PVC frames
- PVC coated guard screen
- Optional wind diverters available

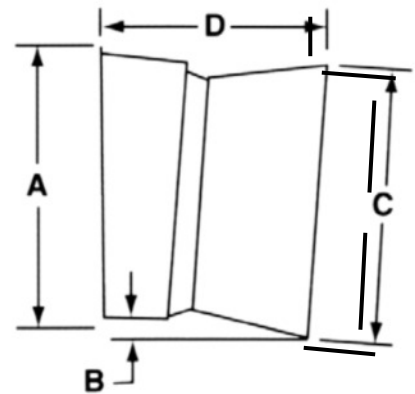


FW Fan Series

Our ventilation experts can also assist with retrofitting an existing or designing a new facility for maximum efficiency.

Dimensions for Power Miser Fans

	PM-12"	PM-16"	PM-21"	PM-24"
"A"	22.75"	27.25"	31"	33"
"B"	4.75"	5.5"	5.5"	5.5"
"C" Long Cone	18.5"	24"	28.75"	32"
"C" Short Cone	N/A	N/A	N/A	N/A
"D" Long Cone	32"	34"	35"	38"
"D" Short Cone	N/A	N/A	N/A	N/A
Rough Opening	18.5"x 18.5"	23"x 23"	26.5"x 26.5"	29"x 29"



Models

CFM vs. Static Pressure (Inches WC)

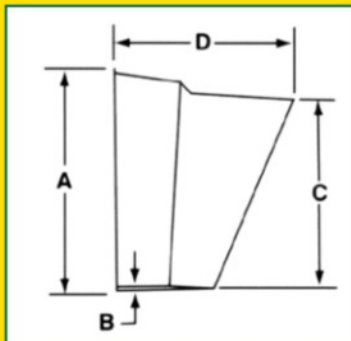
Model	Blade	HP	Voltage	Amps ¹	RPM ¹	CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	BESS #
PM12 [^] 140MPA	Composite	1/4	230	0.9	1719	1933	10.2	1855	9.7	1779	9.1	1691	8.6	95319
PM16 [^] 140MPA	Composite	1/4	230	1.0	1694	3140	14.0	3040	13.2	2920	12.3	2790	11.4	95327
PM21 [^] 140MPA	Composite	1/4	230	1.5	1591	4780	14.8	4500	13.6	4260	12.6	3970	11.6	95324
PM21 [^] 190LPA	Composite	1/2	230	1.8	1696	5550	14.0	5350	13.1	5170	12.4	4960	11.6	95325
PM24 [^] 210MPA	Composite	1/2	230	2.1	1045	7000	14.9	6670	13.9	6310	13.0	5930	12.1	01304

Notes: 1. @ .05 static pressure and 230 volts/60Hz
2. Bess Labs website is www.bess.uiuc.edu

[^] represents housing color; W - White, B - Black

Dimensions for FW Fans

	FW-08"	FW-10"	FW-12"	FW-16"	FW-20"	FW-24"	FW-36"
"A"	13.5"	15.25"	20"	22.75"	26.75"	30.25"	43"
"B"	1"	.75"	.5"	.5"	.75"	2.5"	2.5"
"C"	8.25"	10.25"	12.25"	16.75"	20.75"	24.5"	36.75"
"D"	20.5"	21.5"	25.5"	25.5"	23"	24.5"	35.5"
Rough Opening	9.5"x 9.5"	11.125"x 11.125"	16"x 16"	19"x 19"	22.5"x 22.5"	26.5"x 26.5"	39"x 39"



Models

CFM vs. Static Pressure (Inches WC)

Model	Blade	HP	Voltage	Amps ¹	RPM ¹	CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	BESS #
FW08W120MSA	Steel	1/15	230	0.3	3504	574	7.2	538	6.4	521	5.9	501	5.7	91099
FW10W130MSA	Steel	1/6	230	1.3	3420	1263	4.2	1244	4.1	1220	3.9	1195	3.8	91101
FW12W140MPA	Composite	1/4	230	1.4	1741	1682	7.3	1608	6.9	1517	6.4	1393	6.0	91103
FW12W270MPA	Composite	1/4	115/230	N/A	1741	1682	7.3	1608	6.9	1517	6.4	1393	6.0	N/A
FW16W140MPA	Composite	1/4	230	1.8	1691	3023	8.8	2911	8.4	2793	8.0	2664	7.7	91107
FW16W170MPA	Composite	1/4	115/230	N/A	1691	3023	8.8	2911	8.4	2793	8.0	2664	7.7	N/A
FW20W140MPA	Composite	1/4	230	1.5	1595	3810	11.7	3589	11.0	3395	10.3	3200	9.6	02344
FW20W270MPA	Composite	1/4	115/230	N/A	1595	3810	11.7	3589	11.0	3395	10.3	3200	9.6	N/A
FW20W190LPA	Composite	1/2	230	2.0	1688	4613	10.0	4479	9.7	4320	9.3	4154	8.8	02343
FW20W290LPA	Composite	1/2	115/230	N/A	1688	4613	10.0	4479	9.7	4320	9.3	4154	8.8	N/A
FW24W210MPA	Composite	1/2	230	2.0	1009	5515	11.9	5188	11.4	4802	10.6	4302	9.7	02345
FW24W200MPA	Composite	1/2	115/230	N/A	1009	5515	11.9	5188	11.4	4802	10.6	4302	9.7	N/A
FW36W280MSA	Steel	1/2	230	2.6	818	10213	18.0	9506	16.2	8662	14.4	7772	12.7	02342

Notes: 1. @ .05 static pressure and 230 volts/60Hz
2. Bess Labs website is www.bess.uiuc.edu



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37 FANS



Replacement Parts

POWER MISER FAN SERIES

	12"		16"		21"		24"	
ITEM	MODEL #	STOCK #	MODEL #	STOCK #	MODEL #	STOCK #	MODEL #	STOCK #
SHUTTER	SPM12W	696241	SPM16W	696307	SPM21W	696242	SPM24W	696600
MOTOR	M714	696511	M714	696511	M719	696602	M721	696321
BLADE	B303		B315	696597	B327	696598	B339	696267
MOTOR SHAFT	ZFB300	696069	ZFB300	696069	ZFB300	696069	ZFB301	696398
MOTOR MOUNT	FP302		FP314		FP326	696707	FP338	6961127
FAN HOUSING	FP300		FP312W	696977	FP324	696708	FP336	6961111
CONE	PC12LW	696164	PC16LW	696976	PC21LW	696291	PC24LW	696809
GUARD SCREEN	FP303CH		FP315CH		FP327CH	696402	FP339CH	6961075
SHUTTER CLIP	ZSH835	696413	ZSH835	696413	ZSH835	696413	ZSH835	696413

DIRECT DRIVE FANS

FW FAN SERIES

	8"		10"		12"		16"	
ITEM	MODEL #	STOCK #	MODEL #	STOCK #	MODEL #	STOCK #	MODEL #	STOCK #
SHUTTER	SFW08W	696248	SFW10W	696361	SFW12W	696249	SFW16W	696599
MOTOR	M712 W/O	696311	M713 W/O	696991	M714	696511	M714	696511
BLADE	B697		B696		B303		B315	696597
MOTOR SHAFT					ZFB300	696069	ZFB300	696069
MOTOR MOUNT	FP806A		FP806I		FP806B		FP806C	
FAN HOUSING	FP805A		FP805H		FP805B		FP805C	
GUARD SCREEN			FP808HCH				FP808CCH	
SHUTTER CLIP	ZSH835	696413	ZSH835	696413	ZSH835	696413	ZSH835	696413

FW FAN SERIES

	20"		24"		36"	
ITEM	MODEL #	STOCK #	MODEL #	STOCK #	MODEL #	STOCK #
SHUTTER	SFW20W	696318	SFW24W	696564	SFW36W	696161
MOTOR - ½ HP	M719	696602	M721	696321	M728	
BLADE	B705A	696603	B339	696267	B709	696790
MOTOR SHAFT	ZFB300	696069	ZFB301	696398		
MOTOR MOUNT	FP806D		FP806E		FP806K	
FAN HOUSING	FP805D		FP805E		FP805F	
GUARD SCREEN	FP808DCH		FP808ECH		FP808F	
SHUTTER CLIP	ZSH835	696413	ZSH835	696413	ZSH835	696413

1-800-328-8842



Performance You Can Count On
www.val-co.com

HyperMAX™ Fiberglass Fans

1-800-328-8842

Incredibly Durable

HyperMAX™ Fiberglass Belt Drive Fans – 36" & 50"

High Performance - Maximum Value

The tested and proven designs of VAL-CO® deliver superior performance and value.

Superior Design of the Motor and Motor Mount

- The HyperMAX motor mount and drive assembly utilizes a rugged box frame design to improve performance, efficiency, increase motor life and provide quiet operation.
- An auto belt tensioner reduces maintenance.
- Standard with auto tensioner or reverse drive is available.
- Energy efficient, waterproof motors with sealed ball bearings and thermal overload protection are manufactured to VAL-CO's exacting specifications.
- Motor options include single or three phase motors in 50 Hz or 60 Hz and various operating voltages.
- Unique four-point, galvanized or stainless steel motor mount design provides minimum air restriction and vibration-free performance.

Engineered Blade Design

- Computer design orifice-blade-cone-motor combination assures optimum use of the motor power curve while reducing starting and running amps.
- Blade options include rust proof stainless steel, cast aluminum or galvanized.
- Matching blades and energy-efficient motors provide maximum CFM/watt of electrical power.

Durable Construction

- Corrosion-resistant, high quality housing construction of molded fiberglass providing superior durability and long life.
- Performance enhancing exhaust cones are available in fiberglass or poly.
- Slant wall design provides reduced weather intrusion, easy cleaning, water drainage and improved performance.
- Full 1" diameter drive shaft, with rust proof coating, is square keyed for non-slip operation.
- Pre-lubricated industrial grade pillow block bearings are self-aligning, low maintenance and add longer life.
- High quality shutters are available in aluminum or black or white PVC.
- Tough rust proof shutter clips are designed with stay-put features.
- Stainless steel self-locking fasteners are corrosion resistant.
- Energy doors are available.

**HyperMAX Fans
are backed by
VAL-CO's
long-life warranty -
see dealer for details.**



Motor mount and drive assembly utilize a rugged box frame design to increase motor life.



Performance You Can Count On

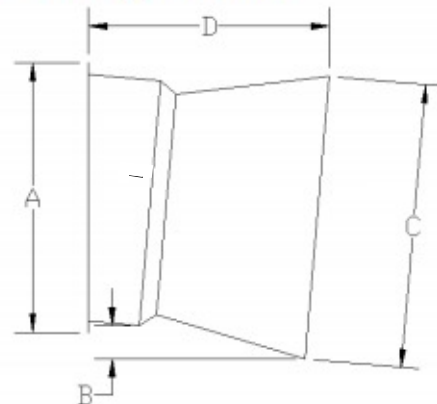
39 FANS

Our ventilation experts can also assist with retrofitting an existing or designing a new facility for maximum efficiency.

Dimensions for HyperMAX™ Fiberglass Fans

	36"	50"
"A"	48.5"	62.25"
"B"	7"	8.5"
"C" Long Cone	50.25"	64.5"
"C" Short Cone	N/A	59"
"D" Long Cone	47"	49.25"
"D" Short Cone	N/A	39.25"

Rough Openings: 36" Fans = 44 1/2" x 44 1/2"
(H x W) 50" Fans = 58" x 56"



36" Models

CFM vs. Static Pressure (Inches WC)

Model	Blade	HP	Voltage	HZ	Phase	0.05		0.10		0.15		0.20		BESS #
						CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	
HPM36W340LGAT	Galvanized	1-1/2	230	60	1	15100	16.4	14300	14.7	13400	13.1	12500	11.7	06045
936310	Steel	1-1/2	230	60	1	15700	12.7	14900	11.9	13990	10.8	13060	9.8	12716
HPM36W340LNAT	Galvanized	1-1/2	230	60	1	14330	12.9	13760	12.2	13340	11.6	12740	10.9	12718
HPM36W600LNAT	Galvanized	1	230/460	60	3	13630	12.8	13000	11.9	12540	11.3	11860	10.5	12719
HPM36W760MGAT	Galvanized	1/2	115/230	60	1	12200	19.6	11000	16.4	9600	13.7	5700	8.0	06046
HPM36W760MNAT	Alum	1/2	115/230	60	1	10500	19.5	9500	17.1	8600	15.1	7800	13.7	06047

50" Models

CFM vs. Static Pressure (Inches WC)

Model	Blade	HP	Voltage	HZ	Phase	0.05		0.10		0.15		0.20		BESS #
						CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	CFM	Cfm/Watt	
HPM50W340MCAT	Alum	1-1/2	230	60	1	23800	22.1	22300	20.0	20500	17.8	18700	15.8	10470
HPM50W340MNAT	Alum	1-1/2	230	60	1	23800	22.1	22300	20.0	20500	17.8	18700	15.8	10470
HPM50W340MSAT	Steel	1-1/2	230	60	1	23600	19.8	22200	18.0	20700	16.2	19000	14.6	12710
HPM50W340NCAT	Alum	1-1/2	230	60	1	21000	22.1	19200	19.7	16900	17.2	13100	13.5	12714
HPM50W420LCAT	Alum	1-1/2	115/230	60	1	24300	18.9	22900	17.4	21200	15.9	19200	14.2	12712
HPM50W420LNAT	Alum	1-1/2	115/230	60	1	24300	18.9	22900	17.4	21200	15.9	19200	14.2	12712
HPM50W600MCAT	Alum	1	230/460	60	3	24400	23.4	22600	20.9	20500	18.4	18100	15.9	02242
HPM50W600MNAT	Alum	1	230/460	60	3	24400	23.4	22600	20.9	20500	18.4	18100	15.9	02242
HPM50W650LNAT	Alum	1-1/2	230/460	60	3	27400	19.6	25900	18.1	23700	16.4	21100	14.1	02244

NOTES:

- ¹ - Each @ .05 Static Pressure and 230Volts/60Hz
- ² - Bess Labs Website is www.bess.uiuc.edu
- ³ - Fan tested with a short cone

* - Blade / Motor Mount Material Combo

- G = Galvanized Blade & Motor Mount
- S = Stainless Steel Blade & Motor Mount
- C = Cast Aluminum Blade & Stainless Steel Motor Mount
- N = Cast Aluminum Blade & Galvanized Motor Mount
- P = Composite Blade & Stainless Steel Motor Mount



Performance You Can Count On
www.val-co.com

Call your local VALCO representative or distributor for more information on these and our other fine products.

www.palsusa.com

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Replacement Parts

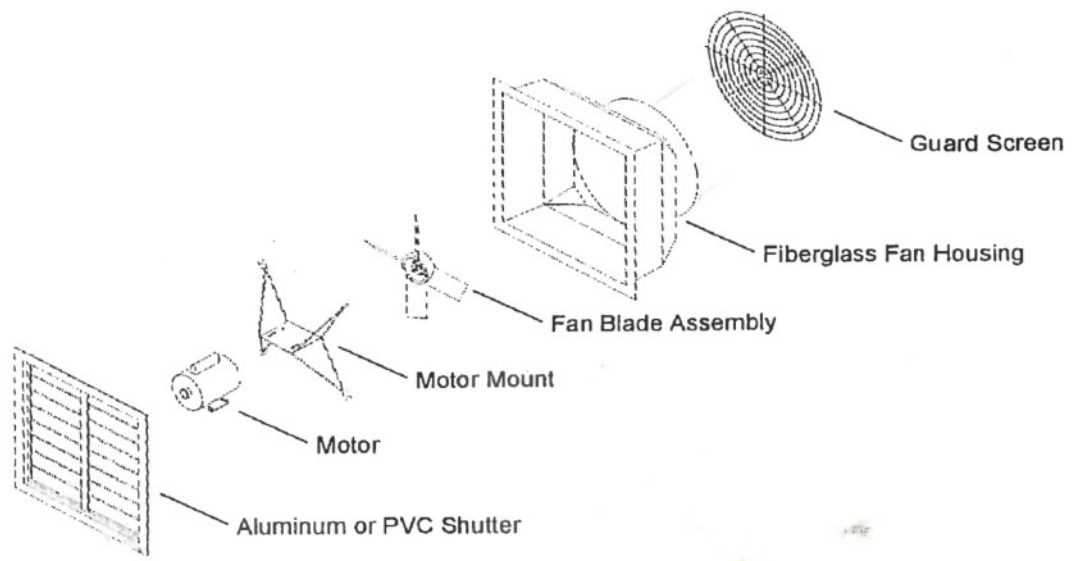
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HYPERMAX™ FANS

**BELT
DRIVE
FANS**

	36"		48"		50"	
ITEM	MODEL #	STOCK #	MODEL #	STOCK #	MODEL #	STOCK #
SHUTTER	SPM36W	696174	SPM48W	696158	SPM50W	696167
SHUTTER CLIP	ZSH835	696413	ZSH835	696413	ZSH835	696413
MOTOR	M781	6961043	M734	696515	M734	696515
MOTOR MOUNT TUBE - GALV	FP522		FP428		FP428	
MOTOR MOUNT TUBE - SS	FP523		FP444		FP444	
MOTOR/BEARING PLATE - GALV	FP430		FP430		FP430	
MOTOR/BEARING PLATE - SS	FP449		FP449		FP449	
HOUSING-WHT	FP348W		FP384W		FP13210W	
HOUSING-BLK	FP348		FP384		FP13210B	
CONE POLY - WHT	PC36LW	696237	PC48LW	696163	PC50SW	696263
CONE POLY - BLACK	PC36LB	696841	FP385PB		PC50SB	6961035
CONE SECTION FIBERGLASS - WHT	FC36LW	696254	FPN385W		FC50LW	696168
CONE SECTION FIBERGLASS - BLK	FPN349		FPN385B		FPN13207B	
GUARD SCREEN	FP406CH		FP3881CH		FP408CH	
BLADE - SS	B758	6961187	B384		B387	
BLADE - ALUMINUM			FP492	6961013	B718	696974
TENSIONER AND BRACKET	980066	6961093			980066	6961093
BELT	980011	6961220	980030	696763	980030	696763
PULLEY					980015	696401

1-800-328-8842



41 FANS

HyperMAX™ 54" Fiberglass Fans



We're Not Just Blowing Hot Air.

HyperMAX™ 54" Fiberglass Belt Drive Fans

High Performance - Maximum Value

The tested and proven designs of VAL-CO® deliver superior performance and value.

Superior Design of the Motor and Motor Mount

- The HyperMAX motor mount and drive assembly utilizes a rugged box frame design to improve performance, efficiency, increase motor life and provide quiet operation.
- An auto belt tensioner, which reduces maintenance, comes standard.
- Energy efficient, waterproof motors with sealed ball bearings and thermal overload protection are manufactured to VAL-CO's exacting specifications.
- Motor options include single or three phase motors in 50 & 60 Hz and various operating voltages.
- Unique four-point, galvanized or stainless steel motor mount design provides minimum air restriction and vibration-free performance.

Engineered Blade Design

- Computer design orifice-blade-cone-motor combination assures optimum use of the motor power curve while reducing starting and running amps.
- Blade options include cast aluminum, galvanized & rust-resistant Stainless Steel.
- Matching blades and energy-efficient motors provide maximum CFM/watt of electrical power.

Durable Construction

- Standard interior and new exterior mounting options are easily installed in new construction or retrofit applications.
- Corrosion-resistant, high quality housing construction of molded fiberglass providing superior durability and long life.
- Performance enhancing exhaust cones are included in white poly.
- Slant wall design provides reduced weather intrusion, easy cleaning, water drainage and improved performance.
- Full 1" diameter drive shaft, with rust proof coating, is square keyed for non-slip operation.
- Pre-lubricated industrial grade pillow block bearings are self-aligning, low maintenance and add longer life.
- High quality shutters are available in aluminum or black or white PVC.
- Tough rust proof shutter clips are designed with stay-put features.
- Energy doors are available.



Motor mount and drive assembly utilize a rugged box frame design to increase motor life.

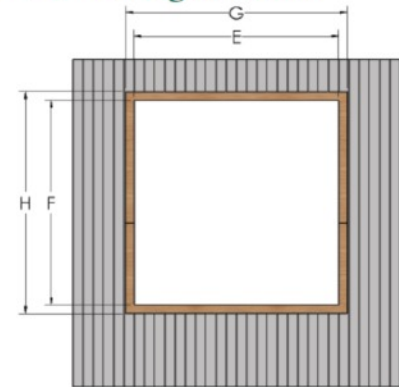
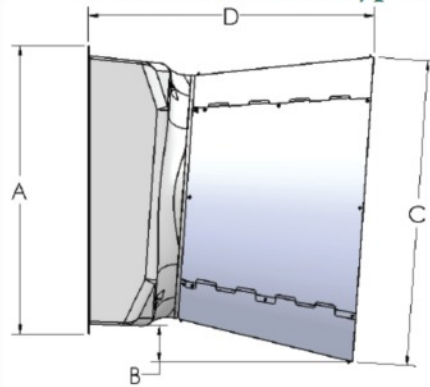


Performance You Can Count On

**HyperMAX Fans
are backed by
VAL-CO's
long-life warranty -
see dealer for details.**

Dimensions for HyperMAX™ 54" Fiberglass Fans

	54" Interior	54" Exterior
"A"	65"	64.4"
"B"	8.25"	8.25"
"C"	68.88"	68.88"
"D"	65.25"	57"
"E"	61"	60"
"F"	61"	60"
"G"	-	65"
"H"	-	65"



Aluminum Blade Models - Interior Mount

CFM vs. Static Pressure (Inches WC)

Model	Blade	Motor Mount	HP	Voltage	HZ	PH	0.05"		0.10"		0.15"		0.20"		BESS #
							CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	
954200	Aluminum	Galvanized	1.5	230	60	1	28900	24.6	27000	21.9	24600	19.2	21900	16.6	15647
954200-SC		Stainless Steel													
954210	Aluminum	Galvanized	1.5	230	60	1	30700	22.6	28800	20.4	26700	18.1	24300	15.9	15648
954210-SC		Stainless Steel													
954245	Aluminum	Galvanized	1.5	208-230/460	60	3	31100	22.5	29400	20.4	27400	18.3	24900	16.1	15655
954245-SC		Stainless Steel													
954280	Aluminum	Galvanized	2	208-230/460	60	3	33700	19.1	32200	17.6	30500	16	28500	14.5	15662
954280-SC		Stainless Steel													
954255	Aluminum	Galvanized	1.5	190/380	50	3	32300	21.7	30400	19.3	28300	17.2	25600	15.1	-
954255-SC		Stainless Steel													

Steel Blade Models - Interior Mount

954205	Galvanized	Galvanized	1.5	230	60	1	28500	24.3	27100	22.3	25000	19.8	22500	17.2	15646
954215	Galvanized	Galvanized	1.5	230	60	1	30600	21.4	29100	19.6	27400	17.8	25200	15.9	15649
954240	Galvanized	Galvanized	1.5	208-230/460	60	3	30700	22.5	29200	20.5	27400	18.6	25200	16.5	15654
954285	Galvanized	Galvanized	2	208-230/460	60	3	33800	18.5	32400	17.1	31000	15.9	29200	14.5	15663
954295	Galvanized	Galvanized	1.5	190/380	50	3	31300	20.2	29300	18.3	27500	16.5	25500	14.9	-

Stainless Steel Blade Models - Interior Mount

954605-SC	Stainless Steel	Stainless Steel	1.5	230	60	1	28900	23.9	27200	21.4	25500	19.4	23400	17.2	16521
954615-SC	Stainless Steel	Stainless Steel	1.5	230	60	1	30800	21.7	29500	19.8	27900	18.1	26000	16.3	16523
954640-SC	Stainless Steel	Stainless Steel	1.5	208-230/460	60	3	31300	21.4	30000	19.7	28500	18.0	26600	16.4	16525
954685-SC	Stainless Steel	Stainless Steel	2	208-230/460	60	3	32700	19.5	31300	17.9	29900	16.5	28400	15.2	16526
954695-SC	Stainless Steel	Stainless Steel	1.5	190/380	50	3	31400	21.1	30000	18.8	28200	17.1	26500	15.8	-

Aluminum Blade Models - Exterior Mount

CFM vs. Static Pressure (Inches WC)

Model	Blade	Motor Mount	HP	Voltage	HZ	PH	0.05"		0.10"		0.15"		0.20"		BESS #
							CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	
954201	Aluminum	Galvanized	1.5	230	60	1	28700	24.5	26700	21.8	24400	19.3	21500	16.5	15665
954201-SC		Stainless Steel													
954211	Aluminum	Galvanized	1.5	230	60	1	30200	22.2	28600	20.3	26600	18.1	24000	15.9	15666
954211-SC		Stainless Steel													
954246	Aluminum	Galvanized	1.5	208-230/460	60	3	30600	21.5	28900	19.6	27100	17.8	24800	15.9	15673
954246-SC		Stainless Steel													
954281	Aluminum	Galvanized	2	208-230/460	60	3	33300	18.1	31800	16.8	30200	15.5	28400	14.1	15680
954281-SC		Stainless Steel													
954256	Aluminum	Galvanized	1.5	190/380	50	3	31800	20.7	29900	18.5	28000	16.7	25500	14.9	-
954256-SC		Stainless Steel													

Steel Blade Models - Exterior Mount

954206	Galvanized	Galvanized	1.5	230	60	1	28100	23.9	26600	21.8	24700	19.8	22400	17.3	15664
954216	Galvanized	Galvanized	1.5	230	60	1	30300	21.2	28900	19.5	27200	17.8	25100	16.0	15667
954241	Galvanized	Galvanized	1.5	208-230/460	60	3	30100	21.3	28600	19.5	27000	17.9	24900	16.1	15672
954286	Galvanized	Galvanized	2	208-230/460	60	3	33300	17.6	32000	16.5	30600	15.3	29000	14.2	15681
954296	Galvanized	Galvanized	1.5	190/380	50	3	30700	19.0	28700	17.3	27100	15.8	25200	14.5	-

Steel Blade Models - Exterior Mount

954206	Galvanized	Galvanized	1.5	230	60	1	28100	23.9	26600	21.8	24700	19.8	22400	17.3	15664
954216	Galvanized	Galvanized	1.5	230	60	1	30300	21.2	28900	19.5	27200	17.8	25100	16.0	15667
954241	Galvanized	Galvanized	1.5	208-230/460	60	3	30100	21.3	28600	19.5	27000	17.9	24900	16.1	15672
954286	Galvanized	Galvanized	2	208-230/460	60	3	33300	17.6	32000	16.5	30600	15.3	29000	14.2	15681
954296	Galvanized	Galvanized	1.5	190/380	50	3	30700	19.0	28700	17.3	27100	15.8	25200	14.5	-

Stainless Steel Blade Models - Exterior Mount

954606-SC	Stainless Steel	Stainless Steel	1.5	230	60	1	28800	23.6	27200	21.3	25400	19.2	23400	17.0	16556
954616-SC	Stainless Steel	Stainless Steel	1.5	230	60	1	30700	21.4	29500	19.7	27800	17.9	26000	16.1	-
954641-SC	Stainless Steel	Stainless Steel	1.5	208-230/460	60	3	30800	20.3	29300	18.5	27600	16.9	26100	15.6	16561
954686-SC	Stainless Steel	Stainless Steel	2	208-230/460	60	3	32400	18.9	30900	17.4	29500	16.0	28000	14.9	16559
954696-SC	Stainless Steel	Stainless Steel	1.5	190/380	50	3	30900	20.0	29300	17.6	27300	16.0	26000	15.0	-



Our ventilation experts can also assist with retrofitting an existing or designing a new facility for maximum efficiency.



SYSTEM 1 FANS

Unique fiberglass Venturi is the Multifan secret to resisting traditional shrinkage and providing consistent uniformity

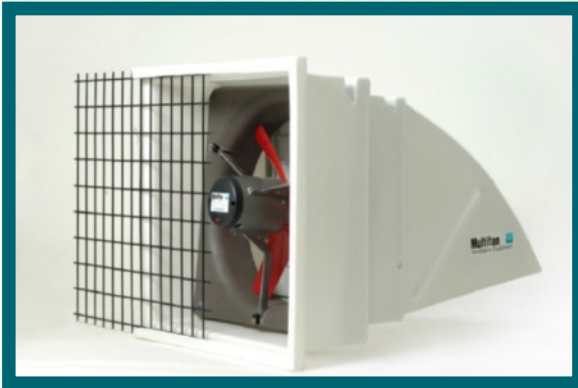
One-step installation, flush mount. Aerodynamic designed.

Hood protects against external wind pressure.

Three Year Warranty

All fans can operate at variable speed.

RV stabilized PVC shutters



SYSTEM 1 PARTS

SYSTEM 1 HOODS

PART #	SIZE	STOCK #
LLS1H12Q	12"	696709
LLS1H16Q	16"	
LLS1H18Q	18"	696557
LLS1H20Q	20"	696018
LLS1H24Q	24"	

SHUTTER PARTS

PART #	DESCRIPTION	STOCK #
LOUVER	SHUTTER BLADE	
LLROD	SHUTTER ROD	
LLPINS	SHUTTER PIN	

BOXES

PART #	SIZE	STOCK #
GPS1BX12Q	12"	
GPS1BX16Q	16"	
GPS1BX20Q	18" - 20"	
GPS1BX24	24"	

MODEL #	STOCK #	SIZE	VOLT	CFM 0" SP	CFM .5" SP	AMP	ROUGH OPENING SQUARE
PH4E25		10"	120	870	825	0.9	19.25
PH4E30Q		12"	120	1420	1360	1.1	19.25
PH4E40Q		16"	120	2668	2550	2.3	23.25
PH4E45Q		18"	120	3716	3600	3	25.25
PH4E50Q		20"	120	4524	4320	4	27.25
PH4E63Q	6961091	24"	120	6495	6300	5.6	31.75

PH2E25		10"	240	1210	1160	0.9	19.25
PH4E25	6961249	10"	240	918	807	0.4	19.25
PH2E30Q	6961231	12"	240	1880	1840	1.4	19.25
PH4E30Q	696821	12"	240	1301	1231	0.5	19.25
PH4E35Q		14"	240	910	1842	1	
PH4E40Q	696826	16"	240	2640	2520	1.1	23.25
PH4E45Q	696428	18"	240	3400	3250	1.5	25.25
PH4E50Q	6961173	20"	240	4310	4140	2	27.25
PH4E63Q	696967	24"	240	6330	6070	3.1	31.75

SYSTEM 1 SHUTTERS

PART #	SIZE	STOCK #
DDS1S12	12"	696110
DDS1S16	16"	
DDS1S18	18"	696935
DDS1S20	20"	696959
DDS1S24	24"	696172

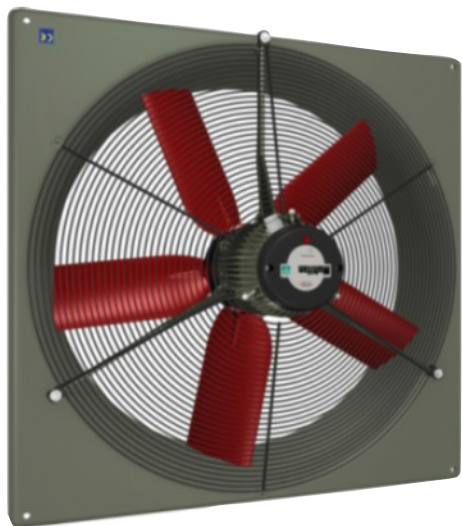
ADAPTER PLATES

PART #	SIZE	STOCK #
LLS1H10 PLATE	12"	
LLS1H14 PLATE	14"	
LLS1H22	22"	

* 10" AND 14" FANS REQUIRE ADAPTER PLATE

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Multifan



PANEL FANS

MODEL #	STOCK #	SIZE	VOLT	CFM 0" SP	CFM .5" SP	AMP
4E25		10"	120	870	825	0.9
4E30Q	696108	12"	120	1420	1360	1.1
4E35Q		14"	120	2043	1950	1.7
4E40Q		16"	120	2668	2550	2.3
4E45Q		18"	120	3716	3600	3
4E50Q		20"	120	4524	4320	4
6E63Q		24"	120	6495	6300	5.6

4E25		10"	240	882	820	0.4
4E30Q	696447	12"	240	1440	1390	0.6
4E35Q		14"	240	2170	2090	1
4E40Q	6961083	16"	240	2960	2870	1.2
4E45Q	696878	18"	240	3790	3670	1.6
4E50Q	696894	20"	240	4850	4690	2
6E63Q	696961	24"	240	7110	6910	3.1
6E71Q		28"	240	7630	7410	3.2
8E92Q		36"	240	11200	10500	3.9

PANEL FAN PARTS

FRAMES			ARMS		INTAKE WIREGUARDS		EXHAUST WIREGUARDS	
SIZE	PART #	STOCK #	PART #	STOCK#	PART #	STOCK #	PART #	STOCK #
12"	PLVR1307ZWA	Special order	GBVP3011ZW	Special order	ROBG300N	Special order	EHBPFG	Special order
14"	PLVR1358ZWA	Special order	GBVP3511ZW	Special order	ROBG350N	Special order	ROEB35QK	Special order
16"	PLVR1407ZWA	Special order	GBVP4011ZW	Special order	ROBG400N	Special order	ROEB40QK	Special order
18"	PLVR1457ZWA	Special order	GBVP4511ZW	Special order	ROBG450N	Special order	ROEB45QK	Special order
20"	PLVR1508ZWA	Special order	GBVP5011K	Special order	ROBG500N	Special order	ROEBO50QK	Special order
22"	PLVR1568ZWA	Special order	GBVP5610ZW	Special order	ROSL56	Special order	N/A	
24"	PLVR1637ZWA	Special order	GBVP6310ZW	696057	ROSL63	Special order	ROEBO63UF	Special order
28"	PLVR1718ZWA	Special order	GBVP7118ZW	Special order	-----	-----	-----	-----
36"	PLVR1922ZWA	Special order	GBVP9212	Special order	ROSL92	Special order	ROEBO92UF-Q	Special order

120 V	MOTOR			CAPACITOR			IMPELLER	
	MODEL #	PART#	STOCK #	PART #	SIZE	STOCK #	PART #	# BLADES
	4E30Q	M4E30K1M70100	Special order	CO08400K10	8 UF	Special order	W312C6G3B10N01	6
	4E35Q	M4E35K1M70100	Special order	CO12400K10	12 UF	Special order	W362C6P3B10NB	6
	4E40Q	M4E40K1M70100	Special order	CO20240K10	20 UF	Special order	W412C6P3B10NB	6
	4E45Q	M4E45K1M70100	Special order	CO25240K10	25 UF	Special order	W460C6P3B10NB	6
	4E50Q	M4E50K3M70100	Special order			Special order	W512C6P3B10NB	6
	6E56Q	M6E56K1M70100	Special order	CO10400K10 CO40240K41	10 UF (INTERNAL) 40 UF (EXTERNAL)	Special order	W576G5G5B17N02	5
	6E63Q	M6E63K1M70100	Special order	CO16400K10 CO40240K41	16 UF (INTERNAL) 40 UF (EXTERNAL)	Special order	W646G5G5B17N03	5

240 V	2E30Q	M2E30K0M60100	Special order	CO04400K10	4 UF	Special order	W312C6G2B10N01	6
	4E30Q	M4E30K0M60100	696005	CO02400K10	2 UF	Special order	W312C6G3B10N01	6
	4E35Q	M4E35K0M70100	Special order	CO3400K10	3 UF	Special order	W362C6P3B10NB	6
	4E40Q	M4E40K0M60100	6961224	CO05400K10	5 UF	Special order	W412C6P3B10NB	6
	4E45Q	M4E45K0M60100	6961232	CO06400K10	6 UF	Special order	W460C6P3B10NB	6
	4E50Q	M4E50K0M60100	696536			Special order	W512C6P3B10N84	6
	6E63Q	M6E63K0M60100	696651	CO16400K10	16 UF	Special order	W646G5G5B17N03	5
	6E71Q	M6E71K0M70100	Special order	CO16400K10	16 UF	Special order	W712G5G5B17N05	5
	8E92Q	M8E92K1M60100	6961225	CO16400K10	16 UF	Special order	W915G3G8L17A04	3

45 FANS



Cone Fan Line

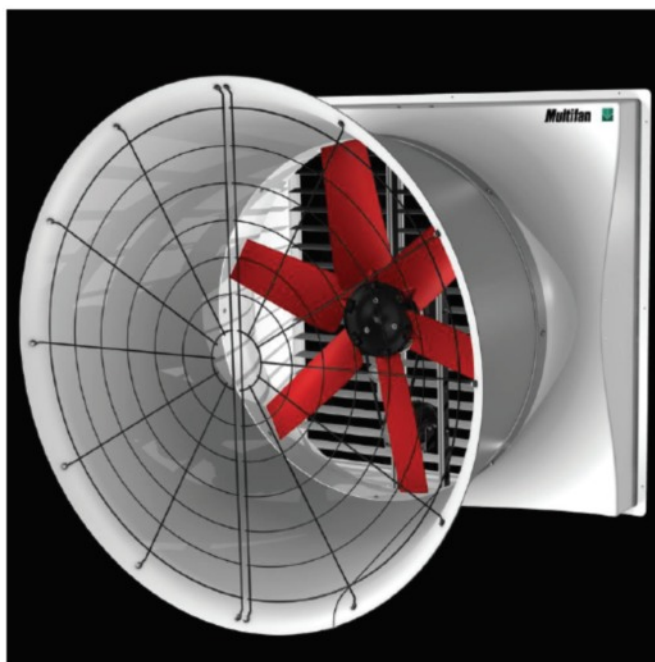
Multifan's reputation for durability is now matched with it's leading performance in air flow and efficiency

Facts

- All internal hardware is made of stainless steel and aluminum to ensure maximum corrosion protection
- Maximum ambient temperature of 104°F
- Materials resistant against aggressive climates
- All materials are smoothly finished on both sides

Advantages

- High efficiency
- High durability
- 3 year warranty on the Multifan motor
- Low Noise Level
- Easy to Maintain and Install



1~/60Hz/230V/PVC Shutter

Technical Data

			0.00" w.g.		0.05" w.g.		0.1" w.g.		0.15" w.g.		0.20" w.g.			
Type	Drive	Fan Model	CFM	CFM/W	CFM	CFM/W	CFM	CFM/W	CFM	CFM/W	CFM	CFM/W	AFR	Bess #
54" Fiberglass Cone Fan with PVC Louver Shutter														
High-Efficient	BD	C4E14K2M10038	33200	25.2	31500	22.5	29500	19.8	27400	17.7	25000	15.5	0.79	16187
High-Volume	BD	C4E14K3M10038	35800	19.4	34300	17.8	32800	16.2	31200	14.9	29500	13.7	0.86	15464
High-Pressure	BD	C4E14K4M10038	31000	17.2	30100	15.9	29200	14.7	28500	13.8	27500	12.7	0.91	15467
50" Fiberglass Cone Fan with PVC Louver Shutter														
High-Volume	BD	C4E1301M10038	29500	17.9	28200	16.4	26600	14.9	24500	13.5	22300	12.0	0.79	14442
High-Pressure	BD	C4E1302M10038	32000	15.3	30800	14.5	29700	13.5	28200	12.5	26400	11.5	0.86	15172
36" Fiberglass Cone Fan with PVC Louver Shutter														
High-Volume	DD	C8E92K0M10038	12030	16.2	11240	14.6	10450	13.3	9330	11.6	8160	10.2	0.73	13646
High-Pressure	DD	C8E92K1M10038	15750	13.2	14970	12.3	14120	11.4	13150	10.5	12150	9.7	0.81	15522
24" Fiberglass Cone Fan with PVC Louver Shutter														
High-Volume	DD	C6E63K0M10038	7510	13.5	7140	12.6	6770	11.9	6340	11.0	5800	10.0	0.81	14133
High-Pressure	DD	C6E63K1M10038	7240	10.7	7020	10.2	6770	9.6	6470	9.0	6110	8.4	0.87	14131
18" Fiberglass Cone Fan with PVC Louver Shutter														
High-Volume	DD	C4E45K0M10038	4250	13.2	4060	12.3	3860	11.6	3640	10.7	3310	9.8	0.82	14147
High-Pressure	DD	C4E45K1M10038	4170	14.3	4040	13.3	3890	12.3	3750	11.4	3570	10.6	0.88	14190

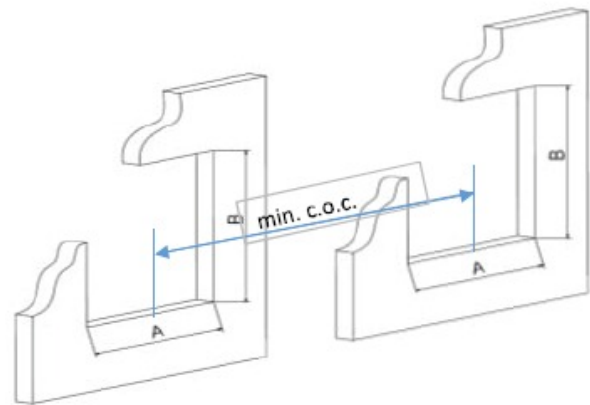
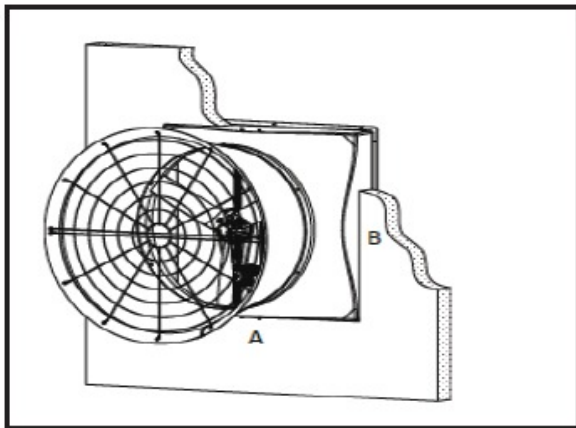
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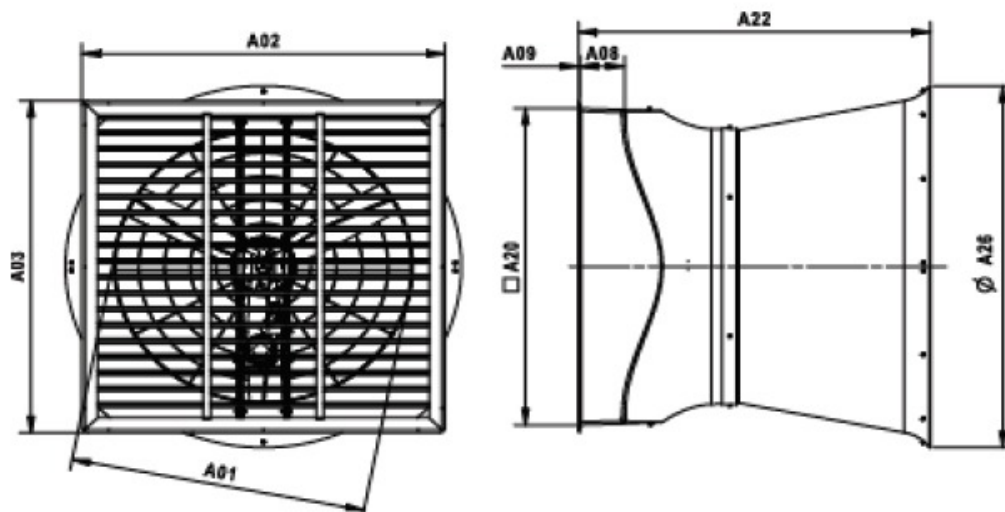
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Rough Wall Openings		
Size	A	B
54"	64.0 in	64.0 in
50"	57.3 in	57.3 in
36"	46.0 in	46.0 in
24"	32.4 in	32.4 in
18"	24.0 in	24.0 in

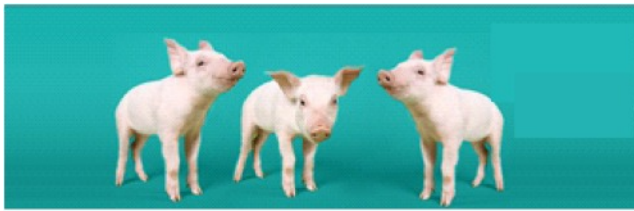
Min. Fan c.o.c.	
Size	c.o.c.
54"	73.7
50"	69.6
36"	50.5
24"	35.8
18"	25.2



Ø (inch)	Dimensions (inch)							
	A01	A02	A03	A08	A09	A20	A22	A26
18	17.7	27.2	27.2	8.2	0.1	23.6	30.8	25.2
24	25.2	34.6	34.6	8.2	0.2	31.1	35.8	35.7
36	35.9	49.1	49.1	8.2	0.2	45.5	48.7	50.5
50	50.6	59.6	59.6	8.0	0.2	56.9	62.7	69.5
54	54.1	66.5	66.5	8.2	0.2	63.9	64.8	73.6



47 FANS



PigTek has the CHORE-TIME® ventilation products you need to keep your pigs healthy and productive.

From the simplest to the most complex ventilation system design, advanced CHORE-TIME ventilation products combined with PigTek expertise can help you put together a system that will meet your needs for power, natural, or tunnel ventilation.

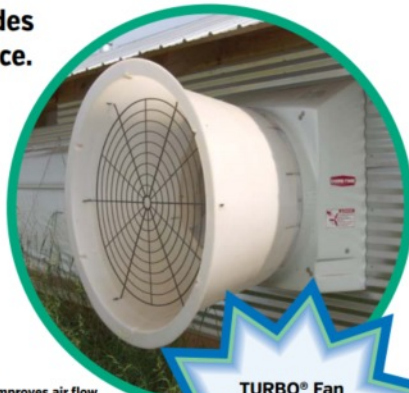
Durable, hog-tough fiberglass fans with cast-aluminum blades from the smallest pit fan to a 52-inch (1321-mm) diameter cone fan are available for high-performance air movement. Complete with a lifetime limited warranty, all TURBO® Fans are put through rigorous testing at CHORE-TIME facilities and are then rated by BESS Labs.

TURBO® Fan with Louver Shutter



Chore-Time's TURBO® Cone Fan provides high efficiency and corrosion resistance.

- Corrosion-resistant, reinforced-fiberglass housing with aluminum motor mounts and a heavy cast-aluminum blade.
- Backed by Chore-Time's generous extended warranty including limited lifetime coverage for housing and blade, and a bonus year on motors. [See Chore-Time's full written warranty for complete warranty details.]
- High CFM and CFM/watt, even under high static pressure.
- Heavy-duty, cast iron, air-handler type bearings are self-aligning, pre-lubricated, and include a zerk fitting as well as being shielded from moisture and dust.
- Grill simply snaps into impact-resistant, polyethylene, one-piece cone with no fasteners required.



One-piece cone improves air flow up to 14% and efficiency up to 21%.

TURBO® Fan with Louver Shutter 14- through 48-Inch (356- through 1219-mm) Models



Chore-Time's 48-inch (1219-mm) fan is also offered in a light-restricting version with a black interior housing surface and a black cone.



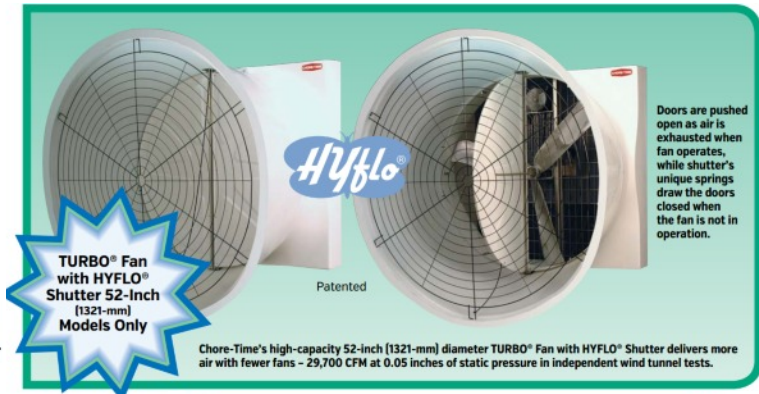
Durable plastic pit transition for 24-inch (610-mm) fans.

Optional hood for 24-inch (610-mm) and smaller fans.



CHORE-TIME®

TURBO® Fiberglass Fans for Pigs



TURBO® Fan with HYFLO® Shutter 52-Inch (1321-mm) Models Only

Chore-Time's high-capacity 52-inch (1321-mm) diameter TURBO® Fan with HYFLO® Shutter delivers more air with fewer fans - 29,700 CFM at 0.05 inches of static pressure in independent wind tunnel tests.

Doors are pushed open as air is exhausted when fan operates, while shutter's unique springs draw the doors closed when the fan is not in operation.

Chore-Time's HYFLO® Shutter minimizes obstructions during fan operation and seals tighter when not operating.

Users may choose black or white for housing interior and cone. Housing exterior is white.



- Delivers up to 10% more air with 75% less opportunity for air to leak through compared to a traditional louver shutter.
- HYFLO Doors do not suffer the 12-15% loss of efficiency and air speed typical of dirty louver-style shutters, so air speed is maintained over time.
- The HYFLO Shutter consists of only two moving parts for greater reliability and easier cleaning.

CHORE-TIME fiberglass fan offerings from PigTek include:

- 52-inch (1321-mm) diameter TURBO Fan with HYFLO® Shutter
- 14- to 48-inch (356- to 1219-mm) diameter TURBO Fans with louver shutter and cone
- 14- to 48-inch (356- to 1219-mm) diameter TURBO Fans with grill
- 14- to 24-inch (356- to 610-mm) diameter TURBO Fans with weather hood
- Basket Fan for supplemental air circulation

1-800-328-8842

CHORE-TIME®

TURBO® Fiberglass Fan Specifications

CONE FANS WITH HYFLO® SHUTTERS

Drive	Type	Fan P/N	.00 Static Pressure		.05 Static Pressure		.10 Static Pressure		Air Flow	Bess Labs
			CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	Ratio	Test Number
52-Inch (1321-mm) Fans with HYFLO® Shutter (1 Phase)										
BD	Standard	49740-22	28,700	26.4	27,000	23.5	24,900	20.8	0.73	04334
BD	High-Capacity	49740-21	30,700	21.8	29,700	20.5	27,700	18.3	0.79	04312
52-Inch (1321-mm) Fans with HYFLO® Shutter (3 Phase)										
BD	Standard	49740-42	28,800	26.3	27,100	23.3	24,800	20.5	0.73	04335
BD	High-Capacity	49740-41	N/A	N/A	29,700	20.3	27,900	18.2	0.79	04318

CONE FANS WITH LOUVER SHUTTERS

Drive	Type	Fan P/N	.00 Static Pressure		.05 Static Pressure		.10 Static Pressure		Air Flow	Bess Labs
			CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	Ratio	Test Number
48 Inch (1219-mm) Fans with Bell Louver Shutter - Choose Grill or High-Efficiency Cone; Light Restriction Model Available										
BD	48-Inch Standard	38264-4825	25,200	23.9	23,600	21.2	22,100	19.0	0.74	04332
BD	48-Inch High-Cap.	47898-4825	27,700	19.6	26,400	18.0	25,000	16.3	0.83	02473
36 Inch (914-mm) Fans with Flat Louver Shutter for Flush-Mount - Choose Grill Model or High-Efficiency Cone										
DD	36-Inch (914-mm)	38265-3622	11,710	20.5	10,970	18.6	10,200	16.8	0.73	96159
BD	36-Inch (914-mm)	38589-3622	12,640	20.8	11,960	19.0	11,190	17.0	0.79	96199
Variable Speed Fans with Flat Louver Shutter for Flush-Mount - Choose Hood Model or High-Efficiency Cone										
DD	24-Inch (610-mm)	40452-2422	6,400	17.8	5,990	16.2	5,550	15.0	0.73	98012
DD	18-Inch (457-mm)	40452-1822	4,180	15.2	4,010	14.1	3,870	13.0	0.87	98008
DD	14-Inch (356-mm)	40452-1422	2,120	14.8	2,030	13.8	1,910	12.6	0.78	98059

HOOD FANS*

Drive	Type	Fan P/N	.00 Static Pressure		.05 Static Pressure		.10 Static Pressure		Air Flow	Bess Labs
			CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	Ratio	Test Number
DD	24-Inch (610-mm)	40453-2422	4,890	13.0	4,510	12.1	4,150	11.1	0.55	98013
DD	18-Inch (457-mm)	40453-1822	3,300	10.3	3,160	9.6	3,010	9.2	0.84	98009
DD	14-Inch (356-mm)	40453-1422	1,580	9.7	1,500	9.2	1,380	8.7	0.54	98010

GRILL FANS

Drive	Type	Fan P/N	.00 Static Pressure		.05 Static Pressure		.10 Static Pressure		Air Flow	Bess Labs
			CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	Ratio	Test Number
BD	48-Inch (1219-mm)	38948-4822	22,100	18.6	20,900	17.1	19,400	15.6	0.77	96167
DD	36-Inch (914-mm)	38789-3622	10,950	16.7	10,300	15.3	9,590	13.8	0.78	96326

Size

Amp

Rough Opening

Replacement Shutters

Model #

Stock #

48-Inch

6.1

55"

38029 (all fans)

696735

36-Inch

½ HP 3.6

43"

38027 (all fans)

696594

24-Inch

⅓ HP 2.0

28 ½"

40602

696518

18-Inch

¼ HP 1.5

22 ¼"

40603

14-Inch

⅛ HP 0.6

17 ¾"

40604



Munters

Your Perfect Climate

EXTRACTION FANS

1-800-328-8842

Munters Drive in Extraction Fans

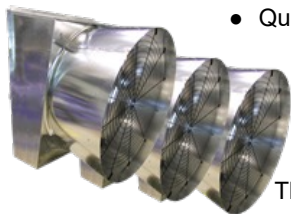
Munters has engineered the latest advancement in motor technology by developing this unique motor drive system.

- Reduce fan energy costs up to 40%
- Nearly Maintenance Free - No Bearing maintenance No belt replacement, No tensioner.
- Reduce your carbon footprint
- Patent Pending
- Qualifies for energy rebates



VX series

The VX Aerotech fan series is Munters premium exhaust fan line. Our engineers understand the harsh environments in which VX fans must perform and have designed the series to optimize both performance and quality. The parts and components withstand corrosive gases from the internal environment as well as sunlight and heat from the external environment, making VX the benchmark for our

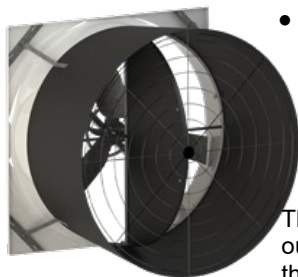


WF series

The WF and WF54 fans use high quality components and precise engineering to create a simple, high quality fan with optimal performance at the best price

- Cast aluminum drive assembly with limited 7 year bearing warranty
- Automotive style belt tensioner
- Heavy duty galvanized steel propeller
- Galvanized steel fan housing
- Single or 3 phase high efficiency motor
- Option of plastic shutter
- MONO-STRUT for strength and durability

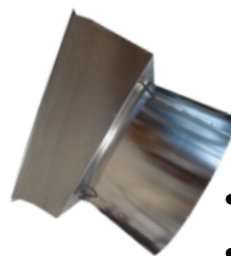
- Cast aluminum airfoil propeller
- UV resistant fiberglass housing
- Stainless steel hardware and fasteners
- Poly cone standard on all fans
- Available on 48" - 55" models
- High quality, Made in USA, pillow block greasable bearings
- Greasable automotive style belt tensioner



WM Series

The WM is designed to mount flush to the buildings' outside wall, with an inlet guard that mounts flush to the inside wall

- High quality fiberglass construction, rugged and durable
- High Density Polyethylene (HDPE) cone is UV protected and easy to install
- Cast aluminum drive assembly with heavy-duty bearing offers no hassle low maintenance and unmatched durability
- Simple design for easy assembly, installation and maintenance



GB Extraction fan

Low cost outstanding performance

- High strength galvanized tubular struts
- Motors are totally enclosed
- Direct or belt drive option
- Galvanized-steel panels in 2 depths
- Plastic shutters with minimal airflow resistance



CIRCULATION FANS



Munters

Your Perfect Climate

Munters Drive in Circulation Fans

Munters has engineered the latest advancement in motor technology by developing this unique motor drive system.

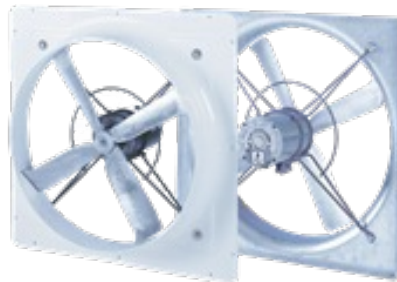
- Reduce fan energy costs up to 40%
- Nearly Maintenance Free - No Bearing maintenance No belt replacement, No tensioner.
- Reduce your carbon footprint
- Patent Pending
- Qualifies for energy rebates



AX series

Economic high performance AX fans in 36, 48 & 51" from Aerotech with "air-foil" technology provides the features you like at a price you'll love. High efficiency and high airflow coupled with outstanding durability and reliability are hard to beat.

- Outstanding value in noncorrosive environments
- Cast-aluminum propellers feature limited lifetime warranty
- Soft Start eliminating energy spikes (AX with Munters Drive)
- High quality cast iron pillow block bearings assure longer life
- Qualifies for most all regional energy rebates (AX with Munters Drive)



AT Circulation Fans

The AT Aerotech fan is built for performance and reliability utilizing a number of features. This is the fan for producers who demand the best value.

- High airflow performance, reduces the total number of fans needed
- Certified CFM/Watt air performance numbers by BESS Lab
- Cast-aluminum 3-blade airfoil propeller
- Tapered housings and extended cones
- High-efficiency enclosed motors



GB Circulation fans

Low cost and outstanding performance

- Direct only
- Motors are totally enclosed
- Metal or Wood Housing

Breeze fans

The Breeze Fan is a High Volume Low Speed fan, engineered to circulate a vast amount of air, providing the most efficient air circulation movement for animal

- 8 blade High Volume Low Speed fan (HVLS)
- Variable speed control
- Extremely energy efficient
- Very high m3/h/W (high cfm per watt)
- Very low noise level
- Reduces heat stress and improves comfort
- Promotes healthier air quality, reduces bacteria and ammonia
- Easy to install, in new or existing structures

