



Peace of Mind Ventilation.

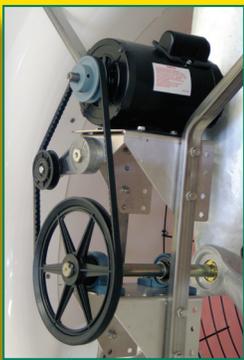
The HyperMAX Z-Fan

The next big thing in rust-resistant ventilation, the Z-Fan is coated with a unique alloy compound that is more durable than galvanized steel and more cost effective than fiberglass.

Lapse of time	500h	1,200h	2,500h
Z Fan			
Galvanized steel			

Red rust occurred.

During a salt spray test, the Z-Fan housing and cone showed no signs of rust after 2,500 hours.



The orifice, blade, cone and motor combination optimizes the use of the motor's power curve.

Features & Benefits

- Superior protection against ammonia and moisture that cause corrosion on the parts that need it most: housing panels, cone sections, and dampers.
- The “self-healing” coating forms a protective layer over cut edges and scratches over time to increase fan life.
- Choose between Galvanized propellers or Aluminum propellers with either zinc-plated or stainless steel components.
- The housing is covered by VAL-CO's 7-year warranty against rust-through.

Superior Design of the Motor and Motor Mount

- The HyperMAX motor mount and drive assembly utilizes a rugged box frame design and the highest quality galvanized steel construction for quiet operation, durability and long motor life.
- A standard auto belt tensioner reduces maintenance.
- Energy efficient 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 motor mount design provides minimum air restriction and vibration-free performance.

Engineered Blade Design

- Computer designed orifice-blade-cone-motor combination assures optimum use of the motor power curve while reducing starting and running amps.
- Die formed spider twist blades are dynamically spin-balanced.
- Matching blades and energy-efficient motors provide maximum CFM/Watt of electrical power.

Durable Construction

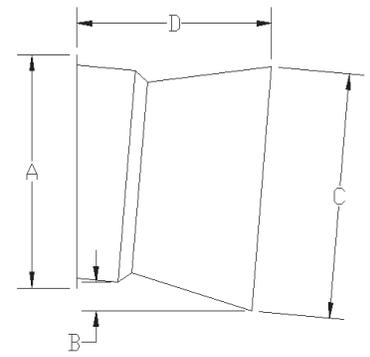
- Computer-matched air diffuser cone increases airflow without increased horsepower.
- Slant wall design provides reduced weather intrusion, easy cleaning, water drainage and improved performance.
- Full 1" diameter drive shaft, with corrosion resistant coating, is square keyed for non-slip operation.
- Industrial grade bearings are sealed, pillow-blocked, keyed, greasable and self-aligning.
- High quality shutters are available in aluminum or black or white PVC.
- Tough corrosion resistant shutter clips are designed with stay-put features.
- Corrosion resistant fan guard.

HyperMAX Z-Fans are backed by VAL-CO's 7 year housing warranty - see dealer for details.



Performance You Can Count On

Dimensions for HyperMAX™ Z-Fans™



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

	36" Slant Wall	48" Slant Wall	48" Damper	54" Slant Wall (w/26" Cone)	54" Slant Wall (w/40" Cone)	54" Damper
"A"	48.5"	59.5"	59"	64"	64"	63.75"
"B"	7.5"	8"	2.5"	9"	11"	4.5"
"C"	49"	59.5"	60.25"	69"	69"	69"
"D"	47"	60"	51"	51.25"	64.5"	55.5"

Rough Openings (H x W): SW = Slant Wall / D = Damper
36" SW - 44.5" x 43.5" / **48" SW/D** - 55.5" x 55.5" / **54" SW** - 60.25" x 60" / **54" D** - 60.25" x 60.25"

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	
36" Z-Fan Slant Wall Fans															
936150-ZM	Galvanized	Galvanized	0.5	230	60	1	11200	19.4	10300	17.0	8800	13.7	5400	7.7	17087
936155-ZM	Aluminum	Galvanized	0.5	230	60	1	10900	18.2	10100	16.3	9300	14.9	8200	12.8	16542
936155-ZM-SC		Stainless Steel													
936270-ZM	Galvanized	Galvanized	1.0	200-230/460	60	3	13600	15.5	12900	14.1	12200	12.8	11300	11.5	17089
936320-ZM	Aluminum	Galvanized	1.0	200-230/460	60	3	12600	15.6	12000	14.5	11300	13.4	10600	12.3	17090
936320-ZM-SC		Stainless Steel													
936290-ZM	Galvanized	Galvanized	1.0	190/380	50	3	13300	15.8	12500	14.2	11700	12.9	10700	11.3	17091
936340-ZM	Aluminum	Galvanized	1.0	190/380	50	3	12800	15.3	12200	14.4	11600	13.2	10900	12.3	16543
936340-ZM-SC		Stainless Steel													
48" Z-Fan Slant Wall Fans															
HG548G340MGAT-ZM	Galvanized	Galvanized	1.5	230	60	1	25200	20.2	23900	17.7	22600	16.9	20900	15.1	12703
48" Z-Fan Damper Fans															
948320-ZM	Galvanized	Galvanized	1.5	230	60	1	24200	19.8	22700	17.9	20900	16.1	19000	14.2	12723
54" Z-Fan Slant Wall Fans w/ 26" Cone															
954290-ZM	Galvanized	Galvanized	1.5	230	60	1	28200	22.8	26500	20.8	24600	18.9	22400	16.8	16534
954350-ZM	Galvanized	Galvanized	1.5	230	60	1	29900	20.6	28100	18.7	26200	17.0	24300	15.5	16535
954310-ZM	Galvanized	Galvanized	1.5	208-230/460	60	3	29800	21.0	28300	19.4	26300	17.5	24500	15.9	16532
954400-ZM	Galvanized	Galvanized	1.5	190/380	50	3	28800	21.8	26900	19.6	24900	17.6	22900	16.0	16533
54" Z-Fan Slant Wall Fans w/ 40" Cone															
954710-ZM	Galvanized	Galvanized	1.5	230	60	1	28700	23.8	27000	21.6	24700	19.1	22500	17.1	16539
954720-ZM	Galvanized	Galvanized	1.5	230	60	1	30500	21.4	29000	19.6	27100	17.7	24900	15.9	16538
954725-ZM	Aluminum	Galvanized	1.5	230	60	1	29300	24.8	27300	22.1	24800	19.2	22300	16.8	17057
954725-ZM-SC		Stainless Steel													
954730-ZM	Galvanized	Galvanized	1.5	208-230/460	60	3	30400	21.9	29000	20.2	27100	18.3	25100	16.5	16531
954735-ZM	Aluminum	Galvanized	1.5	208-230/460	60	3	31200	22.6	29400	20.4	27200	18.1	24700	16.0	17056
954735-ZM-SC		Stainless Steel													
954750-ZM	Galvanized	Galvanized	1.5	190/380	50	3	28900	21.9	27100	19.7	25400	18.0	23200	16.1	16540
954770-ZM	Galvanized	Galvanized	2.0	208-230/460	60	3	33700	18.2	32200	16.9	30800	15.7	29100	14.5	16529
954775-ZM	Aluminum	Galvanized	2.0	208-230/460	60	3	33600	20.0	31800	18.1	29900	16.4	27900	14.8	17055
954775-ZM-SC		Stainless Steel													
54" Z-Fan Damper Fans w/ 40" Cone															
954430-ZM	Galvanized	Galvanized	1.5	230	60	1	27700	21.1	25700	18.9	23200	17.0	20700	14.8	17066
954440-ZM	Galvanized	Galvanized	1.5	230	60	1	28900	20.8	27000	18.7	24700	16.8	22300	14.8	17065
954500-ZM	Aluminum	Galvanized	1.5	230	60	1	27700	22.4	25600	20.0	22900	17.3	20100	14.9	17064
954500-ZM-SC		Stainless Steel													
954460-ZM*	Galvanized	Galvanized	1.5	208-230/460	60	3	29500	20.8	27500	18.5	25600	16.7	23300	14.7	17070
954530-ZM	Aluminum	Galvanized	1.5	208-230/460	60	3	31000	19.4	28900	17.3	26500	15.4	24100	13.7	17069
954530-ZM-SC		Stainless Steel													
954470-ZM	Galvanized	Galvanized	1.5	190/380	50	3	26800	23.1	24800	20.5	22300	17.8	19800	15.3	17071
954540-ZM	Aluminum	Galvanized	1.5	190/380	50	3	28200	21.4	26000	19.0	23300	16.6	20400	14.1	17072
954540-ZM-SC		Stainless Steel													
954550-ZM	Galvanized	Galvanized	2.0	208-230/460	60	3	32000	17.3	30400	15.9	28600	14.5	26600	13.3	17067
954560-ZM	Aluminum	Galvanized	2.0	208-230/460	60	3	33500	17.3	31400	15.6	29400	14.1	27300	12.8	17068
954560-ZM-SC		Stainless Steel													

NOTE: Fans available as unassembled units are noted with "*" at the end of the catalog number. To order, add "-KD" to the catalog number.

Call your local VAL-CO representative or distributor for more information on this and other fine quality products.



North America:
Phone: 800-99VALCO (800-998-2526)
Fax: (+1) 419-678-2200
E-mail: sales@val-co.com

International:
Phone: (+1) 419-678-8731
Fax: (+1) 419-678-2200
E-mail: intl.sales@val-co.com