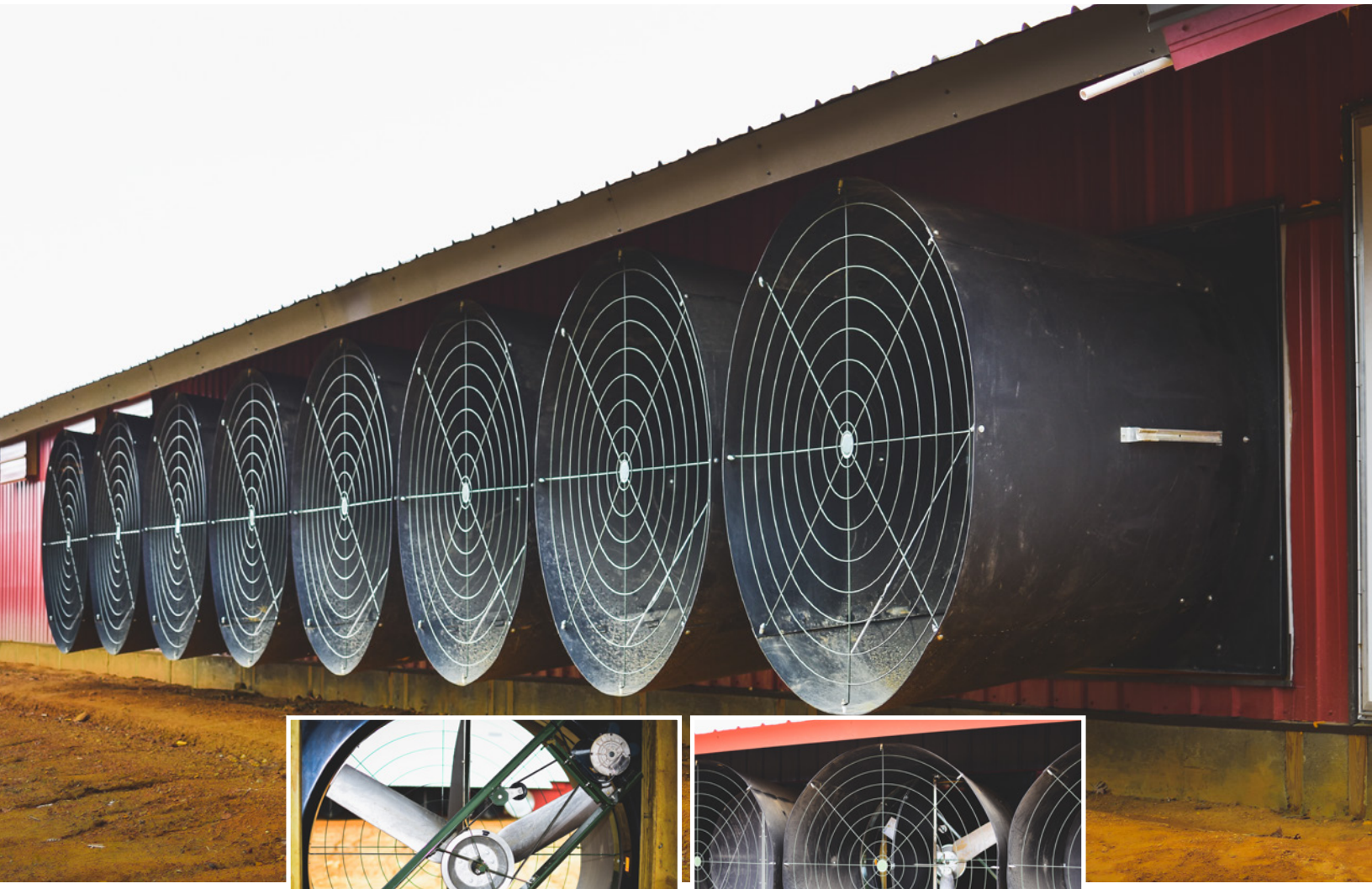
Big Dutchman®



TITAN FANS

Corrosion resistant high volume tunnel fan

The dependable TITAN corrosion-resistant fan is just what you've been waiting for.

A flush mount fiberglass housing design allows for long lasting durability against the harshest environments, along with easy installation for new construction or for updating existing poultry houses. All internal fan components are made from stainless steel, aluminum, or metal that has been through a high temperature painting process. These rugged components are added to a newly engineered blade assembly consisting of **three cast aluminum blades** that are secured to a cast aluminum hub. The result is the new TITAN 54" fan which provides optimum efficiency with extreme corrosion resistance.

The HDPE damper doors and poly cone allow for less airflow restriction than other fans on the market, while at the same time giving you complete protection against the elements of "mother nature". The innovative drive assembly applies power through the belt directly to the propeller. The blade load is concentrated over the bearings for more economical operation and longer bearing life.

The TITAN 54" is available in 1hp or 1.5 hp options along with 3 phase availability and is ready to be packaged in your next Big Dutchman poultry, pig, or layer project.

Choose the smart investment to avoid corrosion and let your houses "BREATHE EASY".

				Cubic Feet per Minute (CFM) at Static Pressure												
Fan Model	BESS Lab Test #	Motor HP	Fan RPM @ .05"	0" S.P.		.05" S.P.		.10" S.P.		.15" S.P.		.20" S.P.		.25" S.P.		Air Flow Ratio
				CFM	CFM/ Watt	CFM	CFM/ Watt	CFM	CFM/ Watt	CFM	CFM/ Watt	CFM	CFM/ Watt	CFM	CFM/ Watt	
Exterior Mount FG Fan with Damper Door Discharge Cone & Guards																
TITAN 54L	16344	1	548	29,800	31.3	27,800	26.7	25,500	22.9	23,100	19.7	20,400	16.9	17,200	14.4	0.73
TITAN 54M	16346	1.5	592	32,200	27.2	30,400	23.9	28,300	21.0	26,200	18.5	24,000	16.3	21,100	14.2	0.79
TITAN 54L Δ	16343	1	554	30,100	33.5	28,100	28.9	26,000	24.9	23,700	21.5	21,200	18.6	18,100	16.0	0.75
TITAN 54M Δ	16340	1.5	595	32,500	29.6	30,800	26.1	28,700	22.7	26,700	20.1	24,300	17.6	21,600	15.4	0.79
TITAN 54N Δ	16342	2	625	33,900	26.1	32,100	23.2	30,300	20.7	28,300	18.5	26,200	16.4	24,100	14.7	0.82
TITAN 54EN Δ	16341	2	666	36,200	23.3	34,600	21.0	32,700	18.8	30,900	16.9	29,000	15.4	26,700	13.8	0.84

Δ –3-Phase Units

PERFORMANCE RATINGS

The performance ratings listed below were obtained through testing by the Bioenvironmental and Structural Systems Lab (BESS Lab) at the University of Illinois. All fans were tested with a shutter and discharge guard, and some may also include an optional discharge cone as noted in the fan description. The fan housing was mounted flush to the test chamber face, as in an actual building installation. Power measurements were taken on the fan/ motor combination and include motor efficiency and drive losses.

Certified by BESS LAB University of Illinois

Big Dutchman

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Details are subject to change: 1/2017