



**GEAR  
DRIVE**

**54" GEAR DRIVE CIRCULATING FANS**

*No Pulleys, Belts,  
or Tensioners to Replace!*

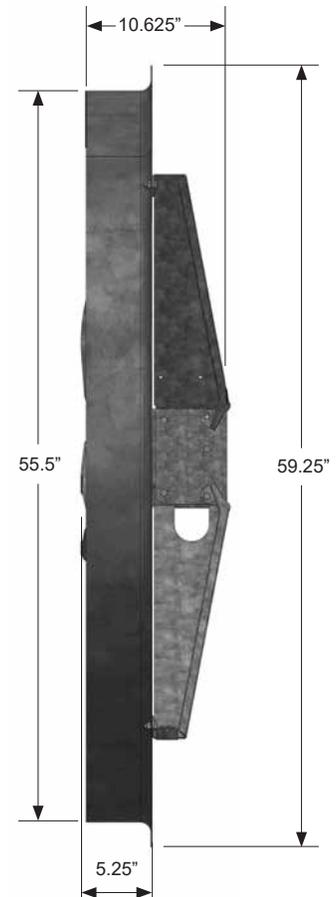


**GEAR  
DRIVE**



The FALCON™ Fan by Genesys is built around a standard, off the shelf motor that is coupled to a frame-mounted gear reducer with prop attached. The gear-drive attachment allows the delivery of highly efficient c.f.m's per watt, thrust, and ultimately, wind speed. What's more, the FALCON™ Fan avoids the friction loss and maintenance of worn belts and pulleys known to gradually reduce fan efficiency and performance.

In contrast, most direct-drive circulating fans operate on higher-cost, specially wound motors that may not be readily available when motor replacement becomes necessary, thus increasing down-time and animal discomfort.



*Coming Soon!*  
**Ultra-Quiet Falcon™  
5-Blade Gear Drive Fan**



Fan Shaft

Gear Reducer

56C Motor

**Powered by 1 HP, 56C Standard Motor**  
**No Pulleys, Belts, or Tensioners to Replace**



### Minimal Fan Maintenance

No pulleys, belts, or tensioners to replace

### Lifetime Synthetic Lubrication

No quarterly or yearly maintenance

### Sturdy Built Galvanized Steel Fan Frame

Tough construction for durability and blade protection

### Fan Mounting Brackets

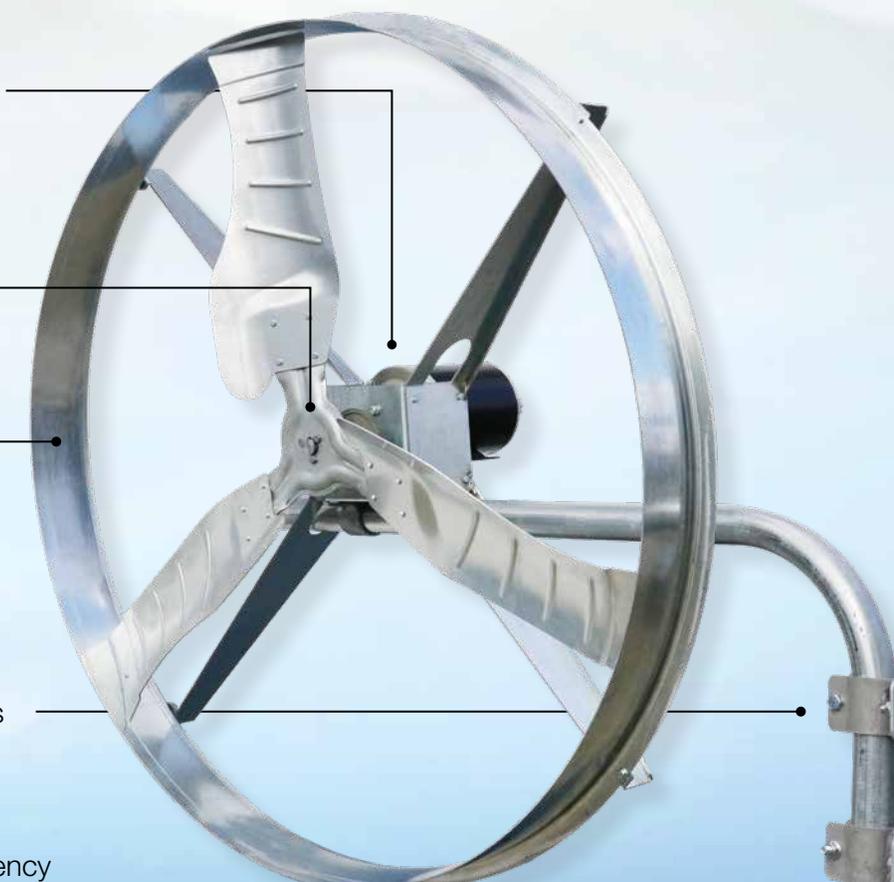
With three-axis adjustment. Available for I-Beams, Round Posts, and Wooden Posts

### Variable Speed Drive \*(optional)

Reduced energy usage for increased efficiency

### Available in Single or 3 Phase

No Soft Starters required



Fan Model #	Fan Size	Motor HP	RPM	Volts	Amps	kW	5X Diameter Centerline Velocity (FPM*)	Airflow* (Thrust CFM)	Efficacy (Thrust CFM/Watt)
FANFGDV543101 (Single Phase)	54"	1	580	229.9	5.18	1.123	1120	27,400	24.4
FANFGDV543103 (Three Phase)	54"	1	583	223.8	3.59	1.069	1130/1120	27,200	25.4

\*FPM = Feet Per Minute, \*Airflow - ANSI/AMCA 230-12 Eq. 9.6 IP

GENESYS certifies that the performance data for the above two fan models is based on tests conducted in an accredited laboratory (University of Illinois, Department of Agricultural and Biological Engineering, Bioenvironmental and Structural Systems Lab (BESS LAB) in accordance with ANSI/AMCA Standard 210-85.

# Livestock Comfort System (LCS)



- Functions smoothly with standard in-barn wiring system
- **The electronics panel can be safely mounted outside the barn** with the touch screen controller located inside at a convenient location within 1000 ft. of panel
- **EMI/RFI Filtering is standard** (Electrical noise filtering allows RFID systems to continue working)
- Temperature, pressure and wind sensors automatically identify the optimum fan speed for animal comfort
- Touch screen interface displays real time monitoring of current power consumption, windspeed, temperature and costs per day, week, month or year. Easy setting adjustment to fully optimize power consumed by the system and realize dramatic energy savings
- Single phase or three-phase input



## Variable Speed Drive Panel

All electronics in one easy-access panel - Outside the barn!



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