



today's challenges,
tomorrow's demands

farm fans u-series & silver king fans & heaters

Silver King Series
Centrifugal In-line Fans



U-Series Fans-Heaters



Silver King Series
Vane Axial Fans



Deluxe Quad
Vane Axial Heaters



Silver King Series
Centrifugal Fans



Deluxe Downstream
Heaters



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We define grain drying.

SILVER KING SERIES FANS & HEATERS

The world's leading manufacturer of grain drying and conditioning equipment.

FARM FANS' Silver King Fans are designed and engineered with durability, efficiency and high performance in mind. The Silver King Series sets the standard for the entire industry. All Silver King Series Fans are manufactured using galvanized steel with reliable components and tested under AMCA standards to measure proper air performance under various static pressures.

Silver King Series Centrifugal In-line Fans



Centrifugal In-line fans utilize an inlet orifice, increasing air flow to the wheel giving greater performance.



Totally enclosed air over motors are standard in the Silver King Series Centrifugal In-line and Vane Axial Fans, setting the standard for the industry.



Controls are housed in a weatherproof, rodent resistant polycarbonate enclosure.

Silver King Series Vane Axial Fans



Axial fans utilize an inlet venturi to increase air flow.



Proven industry standard controls are utilized to minimize potential field service.

Silver King Series Centrifugal Fans,

1750 RPM



Totally enclosed fan cooled motors are standard on the Silver King Series Centrifugal Fans. Controls are housed in weathertight, rodent resistant polycarbonate enclosures.

Convenient, adjustable leveling supports are standard on all Silver King Series Centrifugal Fans.

Heavy 10 ga. reinforced, galvanized housing sides are standard on all Silver King Series Centrifugal Fans (1750 RPM).



FARM FANS' Silver King Heaters come complete with BTU capacities ranging from 170,000 to 3,000,000 providing flexibility of either low temperature or high temperature in-bin drying. All Silver King Series Heaters are factory tested and meet FARM FANS' stringent quality standards for high performance and reliability. Silver King Series Heaters are available in liquid propane, propane vapor and natural gas.

Deluxe Quad Vane Axial Heaters



The air scoop ensures the correct primary fuel and air mixture giving you proper ignition and a cleaner flame.



Solid state flame controls are seal coated for reliability. Modular, with self-diagnostics for easy service.



Improved Star-Fire burner design provides efficient combustion.



Deluxe Downstream Heaters

Silver King Series Downstream Heater BTU capacities range from 1,200,000 to 4,200,000 providing the flexibility of either low temperature or high temperature in-bin drying.



New burner design for the down stream heater provides efficient combustion.



Ignition and flame detection wires are protected by rodent resistant glass lined coverings.



Large service door for maximum accessibility to the burner.



Solid state flame controls are seal coated for reliability and is modular, with self-diagnostics for easy service.

Airfoil blades for quiet, efficient, non-overloading performance at various static pressures.



Proven industry standard controls utilized to minimize potential field service.



Silver King Series Fans & Heaters Specifications

Our fans are engineered for the highest level of performance and factory tested for smoothness, durability, and energy efficiency. Charts-static pressure in inches

SILVER KING SERIES VANE AXIAL FANS - Composite Blade													
FAN MODEL	H.P.	Fan Dia.	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00			
AF-.75	3/4	12"	2300	1330	600								
AF-12	1	12"	2200	1450	700	300							
AF-1.5	1.5	18"	5500	4330	2750	1500							
AF-3	3	18"	6900	6210	4830	3150	1870						
AF-5	5	24"	13075	12025	10750	8850	6430						
AF-7	7	24"	14000	12800	11500	10000	7400	4800	3800				
AF-10	10	24"	14800	13650	12200	10600	6500	5100	3600				
AF-158	15	28"	17200	16200	15200	1400	12700	11200	8500	6500			

SILVER KING SERIES CENTRIFUGAL FANS - 1750 RPM													
FAN MODEL	H.P.	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
CF-3	3	6000	5500	5000	4500	4000	2500						
CF-5	5	9500	8950	7750	6750	6100	5350						
CF-7.5	7.5	12200	11600	10800	10000	9100	8000						
CF-10	10	16050	15000	14150	13300	12400	11350	10000	7800	3400			
CF-15	15	18200	17100	16250	15300	14250	12700	11750	11000	8750			
CF-20	20	23700	22850	21850	20600	19550	18600	17200	15850	14600			
CF-25	25	24000	23750	22750	21750	21000	20000	19000	17750	16000	14000		
CF-30	30	28100	26900	25600	24600	23600	22500	21000	20100	19700	17800	16000	11500
CF-40	40	32750	31750	30750	29750	28750	27750	26750	25750	24250	22750	20250	15000
CF-50	40	36680	35560	34440	33320	32200	31080	29960	28840	27160	25480	22680	16800
*CF-40D	40	47400	45700	43700	41200	39100	37200	34400	31700	29200			
*CF-50D	50	48000	47500	45500	43500	42000	40000	38000	35500	32000	28000		

*Double Inlet Fan

SILVER KING SERIES CENTRIFUGAL FANS - 3500 RPM													
FAN MODEL	H.P.	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0
CHS-3	3	3350	2900	2450	2150	1750	950						
CHS-5	5	4900	4450	4000	3500	2900	1500						
CHS-7.5	7.5	5000	4700	4500	4200	3900	3700	3250	2300				
CHS-10	10	7250	6900	6300	5800	5450	4900	4300	3000				
CHS-15	15	10100	9500	900	8400	7900	7400	6600	4600				
CHS-20	20	10900	10400	9850	9350	8800	8100	7550	6800	6500	5900	4000	
CHS-30	30	14500	13750	13100	12350	11500	10900	10400	9800	9100	8300	6000	
CHS-40	40	19000	18400	17750	17125	16500	15750	15000	14125	13125	12000	9000	
CHS-50	50	22600	21100	20500	19750	19000	18400	17600	16800	16000	15000	13500	11500

SILVER KING SERIES CENTRIFUGAL IN-LINE FANS														
FAN MODEL	H.P.	FAN DIA.	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
ILC-1.5	1.5	18"	2650	2450	2300	2100	1850	1500						
ILC-318	3	18"	4550	4300	4000	3750	3500	3100	2700					
ILC-324	3	24"	5000	4725	4450	4200	3950	3600	3200	2900				
ILC-7	7	24"	5400	5150	4900	4650	4400	4100	3800	3400				
ILC-10	10	28"	6150	5950	5800	5600	5450	5250	5050	4850	4650	4400	4200	3900
ILC-15	15	28"	7950	7700	7500	7250	7000	6800	6500	6250	6000	5700	5400	5050

FARM FANS' Deluxe Quad Vane Axial Heaters offer flexibility with Vapor Propane and Natural Gas, High Temp and Low Temp capability in one heater.

Deluxe Quad Vane Axial Heaters	
Model Number	Approximate BTU Range
VHD-18-VN (M)	50,000 - 1,400,000
VHD-24-VN (H,M)	100,000 - 2,100,000
VHD-24-LP (H,M)	100,000 - 2,100,000
VHD-26-VN (H,M)	100,000 - 2,700,000
VHD-26-LP (H,M)	100,000 - 2,700,000
VHD-28-VN (H,M)	100,000 - 3,000,000
VHD-28-LP (H,M)	100,000 - 3,000,000

VN = Vapor Propane / Natural Gas
 LP = Liquid Propane
 (Add "H" for High Low Fire or Add "M" for Modulating Valve)
 * May be used Upstream on Centrifugal Fans

Deluxe Downstream Heaters	
Model Number	Approximate BTU Range
CHD-15-V (H,M)	800,000 - 2,300,000
CHD-15-LP (H,M)	800,000 - 2,300,000
CHD-15-N (H,M)	800,000 - 2,300,000
CHD-30-V (H,M)	1,200,000 - 3,300,000
CHD-30-LP (H,M)	1,200,000 - 3,300,000
CHD-30-N (H,M)	1,200,000 - 3,300,000
CHD-40-V (H,M)	1,500,000 - 4,200,000
CHD-40-LP (H,M)	1,500,000 - 4,200,000
CHD-40-N (H,M)	1,500,000 - 4,200,000

VN = Vapor Propane / Natural Gas
 LP = Liquid Propane
 (Add "H" for High Low Fire or Add "M" for Modulating Valve)



today's challenges,
tomorrow's demands

U-Series Fan-Heater Units

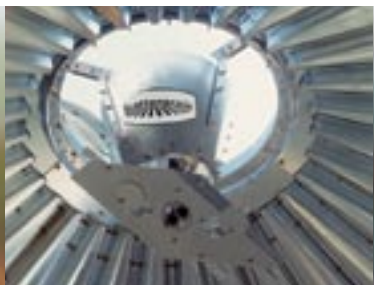
The fan and heater is the most important part of any grain drying system. That's why it's imperative that you are aware of the many superior features of the six models of U-Series fan-heater units from Farm Fans.

Features like...

- Performance that delivers 11,000 to 43,000 CFM at 1" static pressure.
- A choice of units ranging from 2,000,000 to 6,000,000 BTU per hour.
- High efficiency vane axial fan, with guide vanes and inlet venturi for more air with less horsepower.
- One-piece cast aluminum propeller with air foil design blades, dynamically balanced, mounted by taper lock bushing.
- Starfire burner provides maximum fuel efficiency.
- Heavy gauge steel housing to insure minimum blade tip clearance for high efficiency operation.
- Magnetic motor control for maximum motor protection and motor overload protected...running load and locked motor.
- Fail-safe ignition for full electric ignition heater control circuit.
- Safety control circuit with purge cycle, automatic high-limit protection and burner shutdown on flame failure.
- Available in single phase or three phase.
- All units available for liquid with vaporizer) (LP), propane vapor (PV) or natural gas (N). (Note: Hi-Lo Fire burner control available on LP units; cycles from high to low fire by thermostat control.)

Fan Performance

Model Number	HP	Dia.	RPM	Air Volume (CFM) at Indicated Static Pressure							
				1"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"
U524-B	5-7	24"	3450	11,050	10,400	9,600	8,650	7,500	6,300	5,200	3,100
U724-B	7-9	24"	3450	13,200	12,400	11,650	10,800	9,800	8,750	7,200	4,500
U1028-B	10-13	28"	3450	19,400	18,400	17,300	16,300	15,100	14,000	12,800	9,500
U1036	10-16	36"	1750	26,000	24,400	22,600	20,600	18,100	12,600	10,700	6,700
3042VF	30	42"	1750	43,000	42,000	40,000	39,000	37,000	34,500	31,000	17,500



Take a look at these other fine products available from Farm Fans!

- Vane Axial & Centrifugal Fans and Heaters
- A Full Line of Grain Spreaders
- Economical Convey Air Systems
- CA Select™ Convey Air Distributors
- Pneumatic Grain Cleaner with Industrial Vacuum Systems



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