

Field Queen flyer

This equipment flyer from the Hesston Corporation uses colored photographs, diagrams and text to represent their field queen product for the alfalfa dehydrating industry. This publication funded by the National Historical Publications and Records Commission through the Kansas State Historical Records Advisory Board.

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**"FACTORY DIRECT
SAVES YOU MONEY"**

EXCLUSIVE TILT UP ACCESS: The rear mounted hopper tilts up for easy service access to the entire power train.



EXCLUSIVE NEW CHOPPER: The entire feed roll and cutting assembly may be removed quickly and easily, and a new assembly installed. New units are available direct from the factory. This gives you the "heart" of a new alfalfa chopper at a fraction of the cost.



THREE ROW HEAVY DUTY: In addition to the hydraulic 12 and 14 foot direct cut head and the 72" wide windrow pick-up head, Field Queen has five additional industrial designed field attachments available. Featuring the three-row heavy duty corn head, engineered for high tonnage ensilage feed. This guarantees you long range versatility and value.



INDUSTRIAL DESIGN POWER TRAIN: (1) 75 GALLON FUEL TANK for full 12-hour shift operation. (2) INDUSTRIAL TRANSMISSION with three variable speed torque ranges. (3) PLANETARY REAR AXLE is bigger, heavier, and tougher than any competitors. (4) SELF-CLEANING ROTARY SCREEN provides engine cooling system with continuous air supply. (5) INDUSTRIAL RADIATOR oversized with bolt-on end sections suspended on four rubber shock mounts. Suspension and heavy duty design gives unlimited life to the radiator assembly. (6) DETROIT DIESEL V6-71 250 HP, provides reserve power and unexcelled endurance. An optional, lower cost, Caterpillar V8 210 HP Diesel is available. (7) Extra large 16" dia. air cleaner with safety element.



PERFORMANCE / DURABILITY

FIELD QUEEN INC.
DIVISION OF HESSTON CORP.
P.O. BOX 518 / WICHITA, KANSAS, 67201 / 316-752-0481

"The Big Hydrostatic"

... built from the ground up to meet the demands of the alfalfa dehydrating industry.

The Heavy-Duty Industrial Chopper

The Dehy Industry needs an alfalfa chopper that's going to perform hour after hour, day after day, season after season. During the past 20 years, Field Queen has become so well known for this kind of dependability that Dehy Operators use more Field Queens than any other alfalfa chopper. Field Queen offers the ultimate in industrial choppers - the all hydraulic Field Queen Rear Dump and the all hydraulic Field Queen Side Dump. The Field Queen Rear Dump features a large 675 cubic foot rear unloading hopper that is ideal for hi-volume operators, with large or small trucks. The Field Queen Side Dump offers extra versatility in that it is equally effective in hay or grain. With a 12 or 14 foot hydraulic powered direct

cut header, even at high field speeds, the Field Queen has plenty of chopper capacity. For assured operations, the Hi-Crop six foot open end windrow pick-up head will handle large windrows with ease and is available for both choppers, along with five other attachments. Actually seven machines in one... Field Queen is the only supplier in the world to offer such a wide selection of machines and attachments. Both Field Queen choppers are unsurpassed in precision chopping, durability and cost-cutting performance. For reserve power, Field Queen features a 250 horsepower Detroit Diesel or an optional Caterpillar 210 horsepower V8 Diesel. The Field Queen features a

hydrostatic infinitely variable speed, ground drive through three torque ranges. All the way through, the Field Queen is precision designed for rugged simplicity. Simplicity means dependable performance with a minimum of maintenance and down-time. Precision dependability is especially built in the feed roll and cutting assembly. Three cast steel knife mounts, with large 9/8" bolts support the six knives in the center and at each end. Both knives and the shear bar are inlaid with tungsten carbide and heat treated to hold a clean-cutting edge. The hydrostatic drive lets you match ground speed to the field, without affecting angle and chopper speed, so you can always operate at the fastest efficient rate.

The efficiency of the Field Queen stands in your drying operation. The fine uniform chop dries at a faster rate with less fuel. Precision chopping means uniform drying... and more uniform quality in the end product. Dual hydraulically powered unloading chains move the load out in a hurry to keep your trucks on the go, and high location ties lets you cut in fields too soft for trucks to travel. It's all done with ease from the comfort of the cab. Easy to operate, fast in the field, simple and easy to unload, the Field Queen is designed to give the dehydrator exactly what he needs in performance and low cost production. The Field Queen alfalfa chopper... built from the ground up to meet your special needs.



CUTTING HEAD PIVOTS & FLOATS: Over all types of terrain . . . rough . . . hilly . . . terraced or flat, Field Queen's 12 and 14 foot direct cut head pivots and floats to assure you maximum cutting uniformity and tonnage. Field Queen's cab is unequaled in visibility, convenience and operator comfort.



HYDROSTATIC GROUND DRIVE: The Field Queen features a hydrostatic ground drive, with variable speeds from 0 to 20 mph through three torque ranges. Its simplicity of design, unitized construction, and ease of service accessibility assures you a longer life with lower maintenance.



HYDRAULIC POWER: The hydraulically powered header has a proven swaybar sickle drive with self-adjusting ball joints, that eliminate sickle knock. The sickle has a long enough stroke, enough speed, and enough power to handle the toughest crops. The entire head floats on two 12 x 12 flotation tires.



BIG CAPACITY — 675 CUBIC FOOT: The big rear mounted hopper has a capacity of 675 cubic feet or up to eight tons of green chop. Two separate sets of hydraulically driven unloading chains move the load quickly and precisely into the truck.



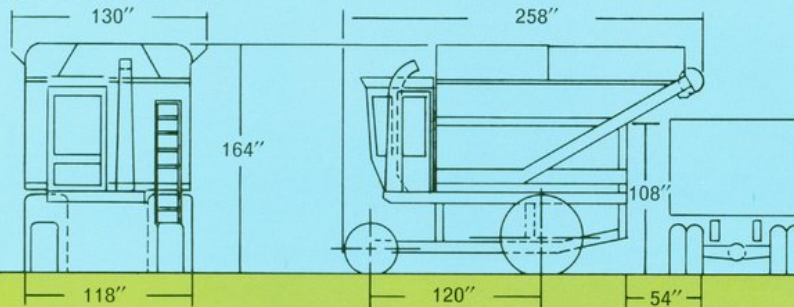
LONG LIFE BLOWER DESIGN: High capacity—unitized construction with large timken bearings, large shaft and heavy duty, hard faced blower paddles gives you better performance and longer life. All components are easily replaced individually or as a unit.



UNITIZED CONSTRUCTION: Unitized design concept is used throughout to produce maximum service and replacement on major assemblies. (1) The blower, (2) chopper drive gear box, (3) feed roll drive gear box and (4) entire cylinder assembly are quickly and easily replaced or repaired if damaged in the field.

Field Queen flyer

SPECIFICATIONS



REAR DUMP:
Hydraulic Rear Unloading
2 Sets Hydraulic unloading chains
Hydraulic Tilt Hopper for easy engine access

APPROXIMATE WEIGHTS:

Basic Unit	20,000 lbs.
6 foot Windrow Pickup	990 lbs.
12 foot Direct Cut Head	2,620 lbs.
14 foot Direct Cut Head	2,800 lbs.

ENGINE:

Detroit Diesel	V6-71 250 HP.
Caterpillar Diesel (Optional)	V8-210 HP.
Engine Safety Shut Down	Standard Equipment
Extra Heavy Duty Cooling System Capacity	17 gal.
Hydrostatic System Reservoir	18 gal.
Fuel Tank Capacity	75 gal.

GROUND SPEED CONTROL & RANGE:

3 Torque Range Transmission	
Differential with Sundstrand, Planetary Type	
Hydrostatic Variable Speed Drive	
First	0-3 1/2 mph
Second	0-7 mph
Third	0-20 mph

HYDROSTATIC POWER STEERING:

Turning Radius	11 ft.
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TURNING AND PARKING BRAKES:

Front Tires: 38 X 19 10 Ply	
Multi Ring Tubeless	
Tire Pressure 40 psi	
Rear Tires: 28.1 X 26 14 Ply	
Power Grip	
Tire Pressure 40 psi	

CHOPPER:

Reel Type	22" wide X 16" DIA.
Knives	Tungsten Carbide Inlaid & H. T.
Shear Bar	Tungsten Carbide Inlaid & H. T.
Chopper Cylinder Speed	1,250 rpm
Bearings	Double Tapered Roller
Knife Mounts	3 Cast Steel Mounts
Protection	Shear Pin
Length of Cut	3/16" to 3/4"
Knife Touch-Up Stone	Standard
Electric Rebevel Grinder	Optional

BLOWER:

Blower Paddle	Hard Faced
Spout Control	Hydraulic
Spout Liner	Replaceable

HOPPER:

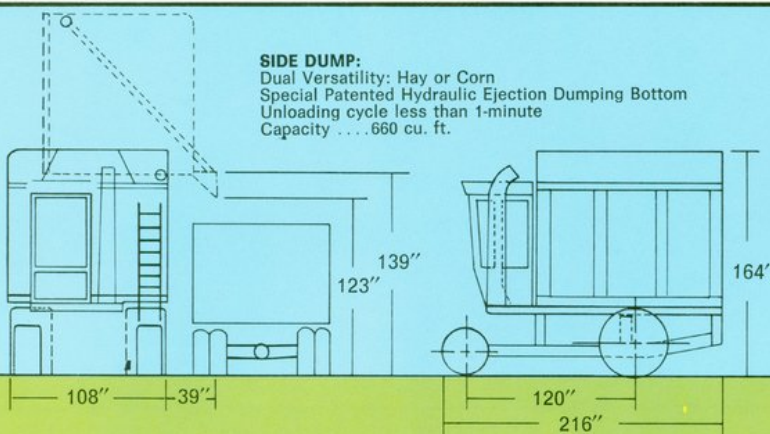
Capacity	.675 cu. ft.
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SPECIAL FEATURES:

Self Cleaning Rotary screen on cooling system.	
Full Vision Stand-Up Cab.	
Reversible Hydraulic Drives on Direct Cut Heads.	
Recutter Screens (Optional)	
Kits	3/4", 1", 2", 3", 4"

ATTACHMENTS:

12' and 14' Hydraulic Powered Direct Cut Heads	
6' Windrow Pickup Head	
3 Row Corn Head	30" to 34" Row
3 Row Corn Head	36" to 40" Row
3 and 4 Row Ear Corn Snapping Head	



SIDE DUMP:
Dual Versatility: Hay or Corn
Special Patented Hydraulic Ejection Dumping Bottom
Unloading cycle less than 1-minute
Capacity . . . 660 cu. ft.