



Special Product Letter
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FORD CORN PICKER-SHELLER
One-Row, Mounted, Model 16-102

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TRACTOR AND IMPLEMENT DIVISION

Ford Motor Company

2500 EAST MAPLE ROAD
BIRMINGHAM, MICHIGAN

Special Product Letter
July 8, 1957

TO: ALL DISTRIBUTORS INVOLVED

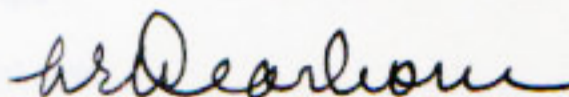
SUBJECT: NEW FORD CORN PICKER-SHELLER, ONE-ROW
MOUNTED MODEL 16-102

This new machine--the only one of its type on the market-- offers substantial sales opportunities throughout commercial corn growing areas, where picker-shelling is an established practice and drying facilities are available.

This model consists of (1) a modified one-row picker frame and snap unit, (2) a rasp bar cylinder type sheller and (3) a 30 bushel shelled corn tank with unloading elevator.

Initial production will be on a limited run basis; therefore, the attached information sheets are being supplied in quantity for distribution only to those dealers who will receive these units.

Very truly yours,



L. E. Dearborn
Assistant General Sales Manager

LED:hc

Attachments

MODEL 16-102 FORD ONE-ROW MOUNTED CORN PICKER-SHELLER
POWER-TAKE-OFF DRIVEN

Description:

The picker section is a modification of Model 16-65 frame, and snapping unit. The sheller section is similar to a combine in design, and consists of rasp-bar cylinder, open grate concave, unit type rack, cleaning shoe with adjustable sieve, cleaning fan and shelled corn elevator.

The shelled corn tank is equipped with a pivoted auger elevator for unloading into wagon, truck or stationary bin.

Features:

Operating convenience of a fully mounted machine.

Field shelling--drying method permits earlier harvesting, which means lower field and machine losses.

Eliminates shelling costs.

Lower cost per bushel for storage.

Easier handling of shelled corn and less storage space for corn required.

Only the corn is hauled from the field--husks and cobs remain on the land.

Field-shelled corn is clean corn.

Earlier picking permits earlier marketing--invariably at better prices--and earlier fall plowing.

Designed by Ford--for Ford Tractors.

Balanced weight distribution.

Wagon towing hitch on frame of sheller.

Application:

For use with 850 and 860 Ford Tractors only. (600 Series Tractors do not meet power requirements for all conditions.) Picker-shellers are recommended for harvesting matured corn with moisture content of less than 30%. Corn in this condition may be shelled with a minimum of crushing and cracking. However, shelled corn must be dried to a moisture content of 12½ to 15%, or less, for safe storage.

Dealers should familiarize themselves with field-shelling practices, and drying facilities in their trade area.

Specifications:

Tractor recommended--Ford Model 860 equipped with front wheel weights.

Snapping unit--same as Model 16-65 Corn Picker.

Sheller unit--

Cylinder: Length 18"; diameter 16"; 6 rasp bars plus filler plates; recommended cylinder speed 670 rpm; feed throat, width 18¼", height 6".

Concave: Grate type; 4 half-round concave bars; width 18½".

Separating: Unit walker; width 18½"; length 64" (measured from center-line of cylinder and including tail rake); area 1184 sq. in.

Cleaning: End shake, adjustable lip; adjustable height at rear end; width 18½"; length 44"; area 800 sq. in. (including tail rake).

Cleaning Fan: 6 blade undershot with fixed volume; length 10½"; diameter 9½".

Shelled Corn Elevator: Chain and bucket, overshot type; length 113"; width 4½".

Shelled Corn Tank: Capacity 30 bushels; unloading time 1½ - 2 minutes.

Unloader: Auger type; hinged for clearance when not in use.

Bearings: 29 sealed self-aligning; 15 needle; 10 rubber bushing; 17 bronze; 7 wood; 9 cast iron.

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Lubrication: 26 pressure-type fittings

Capacity: 1-1 $\frac{1}{2}$ acres per hour (in crop yielding 100 bu. shelled corn/acre).

Operating Dimensions: Height 125"; width 128"; length 170";
ground clearance 14".

Weight: Approximately 2000lbs.

Availability:

Production scheduled to start September 1, 1957, at Des Moines, Iowa.

Ordering:

16-102 One-Row Mounted Picker Sheller. Includes all attaching parts and PTO drive for 850 and 860 Ford Tractors.

Carloading:

8 per 53'6" flatcar.
9 per 60' flatcar (West Coast).

Pricing:

Will be released in near future.