



Keeping it simple building it strong.

BUILDING 30 INDUSTRIAL AIRPORT OTTUMWA IA 52501
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AL-JON NO. 20 CAR CRUSHER
Proposal Specifications

I. APPLICATION:

Especially designed to efficiently flatten car bodies into a uniform slab, approximately 10" thick by 6'6" wide by the original length of the car.

II. GENERAL INFORMATION:

The Al-jon #20 is designed to continuously crush cars with or without engines. You have the option of a stationary or portable unit. The portable #20 is completely legal to pull throughout the Continental USA with its own tandem axle, running lights, air brakes and hydraulic landing gear. You need only unhook from the #20 and you are ready to crush cars. The heavy duty crushing head, over twice the size of other crushers, exerts over 300 tons of crushing force on the car body. The Al-jon may be run manually or "totally automatic" which gives you maximum speed and efficiency with a minimum of labor. Remote control is a standard feature which allows the operator to run the #20 from the cab of a front-end loader.

III. STANDARD FEATURES:

Heavy duty steel construction
Over 300 tons of crushing force
Radio control - no operator needed
Completely portable - no special permits required
Easy loading - from either side
Crushes complete cars - with engines
Automatic cycling
Overload sensitivity relief protection
Hydraulic landing gear
Murphy gauge auto shut down for engine protection

IV. CAPACITY:

Cycle time: 60-90 seconds
Loading area: 7 ft. wide
20 ft. long
Crushed Car: 6/6" wide x 10" high x original length of car
Volume: 200 cars per day

V. HYDRAULICS:

100 gpm at 2300 psi
Operating press: 2100 psi
Main pump: high-low system
Tandem vane pump
Arm Cylinder: 2-7" piston diameter
3" chrome faced rod
44" stroke

Conveyor
Cylinder: 1-5: piston diameter
4" chrome faced rod
20' stroke
Relief valve: overload protection
Directional valves: Hydraulically operated and electrically controlled

Fluid capacity and filtering:
Filled hydraulic reservoir - 120 gallons
Tank clean-out accessibility is provided
All fluid is passed through suction strainers and is filtered by 10 micron, magnetic/replaceable cartridge type filters with standard automatic dirt alarm.

VI. POWER PACKAGE:

110 HP GMC 453N Diesel Engine - standard
2000 RPM - normal
45 gallon - fuel tank
5 gallon - per hour normal fuel consumption

VII. DIMENSIONS:

Length: 41'10" Width: 8'0"
Height: 12'6" (20" wheels) Weight: 53,000 lbs.

Portable with tandem axle - 10.00 x 20 tires
Hydraulic Landing Gear

VIII. ELECTRICAL

12 Volt DC
All component controls - wiring is color coded, numbered and connected by terminal strips

All electrical solenoids and limit switches are sealed and are heavy duty service