

# **E** Baler/Logger/Shear

**H-7-E** Specifically Designed to Meet the Requirements of Electric Furnaces



The **E** Harris Series

## **Processes:**

### *Shearing:*

miscellaneous scrap  
select #1 & #2 scrap  
shapes, plate, pipe

### *Baling/Logging:*

miscellaneous scrap  
white goods, auto fenders, etc.  
factory clips & skeletons

"The finest Baler/Logger/Shear in its range and with 215-tons of Ram-Face pressure, the most baling force of any 700-ton baler/logger/shear on the market"



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# H-7-E B/L-2



## Shear Box Dimensions:

Open For Charging:	80" W x 48" D x 240" L	(203cm x 122cm x 610cm)
Closed For Shearing/Baling:	24" W x 24" D x 240" L	(61cm x 61cm x 610cm)
Loading Area:	72" W x 24" D x 240" L	(183cm x 61cm x 610cm)
Shear Throat:	25" W x 26" H	(64cm x 66cm)
Shearing Force:	724 tons	(657 t)
Shearing Capacity: (mild steel material)	plate - 2¾" - 3" x 24"	(4-5cm x 61cm)
Production Rate:	14 - 21 TPH (12.7 - 19.1 tph)	25-30 bales/hour
Cuts Per Minute:	4 rated plate 5-1/2 - average cut, 1-1/2" plate or equiv.	
Baling/Logging Force:	215 tons	(195 t)
Bale Size:	24" x 24" x variable	(61cm x 61cm x V)
Bale Density:	70 - 90 lbs/cu ft.	
Bale Weights:	700 - 1100 lbs (318 - 499 kg)	* Approx 700 lbs with bale size of 24"x24"x24"
Log Size:	24" x 24" x variable	(61cm x 61cm x V)
Log Density:	20 - 30 lbs/cu ft.	
Log Weight:	1200 lbs average	(544 kg)
Main System:	(2) 100 hp, 1750 rpm, 230/460 volt	
Filter & Cooling System:	(1) 15 hp, 1750 rpm, 230/460 volt	
Main Pumps:	(4) 48 gpm @ 3200/3800 p.s.i. 182 lpm @ 221/262 bars (2) 108 gpm @ 1100 p.s.i. 409 lpm @ 76 bars (2) 108 gpm @ 1700 p.s.i. 409 lpm @ 117 bars	
Shear Cylinder:	(1) 24" (61cm) bore, 724 tons (657 t)	
Feed Cylinder:	(1) 12" (30cm) bore, 181 tons (164 t) normal, 215 tons (195 t) baling	
Side Squeeze Cylinder:	(2) 9" (23cm) bore, 204 tons (185 t)	
Lid Cylinder:	(2) 9" (23cm) bore, 204 tons (185 t)	
Gross Weight (approx):	150 tons	(125 t)

Performance Rates, Bale Weights, and Bale Densities are Subject to Moisture Content, Material Pre-bale Densities, Feed Rates, and Other Variables in Baling.

M98016

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All specifications are subject to change without notice.

- Heavy-Duty construction, Harris designed, with total shear weight considerably heavier than lesser machines.
- High-density bales produced utilizing 215 tons of baling force..
- Stall protection system will alert the operator that the cutter head has stalled. The stall protection system is designed to drop out of auto cycle after two shear attempts are made on difficult material. The "shear stalled" message will display on the DTAM during the stall process.
- Pre-assembled and tested at Harris factory prior to shipment.
- New designed, high efficiency poppet valve controlled flooded-suction power unit.
- Harris designed cylinders with teflon piston head seals and flame hardened piston rods.
- Harris maintains a large staff of well trained service technicians which allow Harris to respond to our customers' service needs (worldwide) in a fast and efficient manner.
- Proven side-squeeze design allows for easy/fast trapping of material providing high densities.
- Manufactured in United States with American components.
- External gib and shear blade adjustment. No shimming required.
- Replaceable hardox 400 liner plates -shear frame and charge box.

