

# Lindemann™ PowerCut™ Wing

Perfect machine for light and medium-heavy mixed scrap



## FEATURES

No scrap shear for small and medium-sized volumes is more Productive than the Lindemann PowerCut Wing. The production capacity is up to 28 tons per hour and up to 7 cuts per minute. This performance is achieved both with semi-mobile as well as with stationary versions. The oil supply circuits for shear and stamper are separate so that they can operate simultaneously, instead of one after the other. The high pressure lines consist of single piece bent piping and not welded sections. This increases efficiency by reducing pressure drop in the system while, at the same time, reducing the chance of leakage.

Lindemann PowerCut Wing comes with sophisticated technology. The cylinder position measuring systems consist of linear transducers inside the stamper, shearing, wing and lid cylinders, and laser technology for the pusher cylinder. This results in precise machine control and also a reduction in the downtime because the sensors are not subject to damage by falling scrap, nor to blinding by dirt accumulations. The hydraulic system has been optimized and logic blocks implemented to support faster, but nevertheless smoother work cycles without pressure shocks. Special pump combinations for low and the high pressure and optimum switching points result in faster work cycles with reduced power consumption.

## BENEFITS

### Less Wear

- Press lid has an over stroke of more than 13 degrees so that wear is minimized when feeding to the shear frame.
- All parts in the areas where wear is critical are made of highly wear-resistant Lindur.

### Least Downtime

- Generously dimensioned and bolted wear parts, easiness to maintain, excellent Lindemann quality, and advanced fault diagnosis system secures your production time is maximized.

### Location Flexibility

- Available in both stationary and semi-mobile versions.

### Intelligent Control Systems

- A number of optimized programs for different types of scrap: full stroke, partial stroke, relative stroke and, of course, baling.

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## Technical Data

Model	PowerCut 616W-8	PowerCut 616W-10	PowerCut 816W-8
FA	60-19-10	60-19-10	60-19-10
FLP	200-245-120	200-245-120	200-245-120
Shearing force	Ton 695	695	880
Blade width	Inch 31	39	31
Stamper force	Ton 175	175	175
Wing compression	Ton 220	220	220
Lid compression (middle)	Ton 270	270	270
Pusher force	Ton 132	132	132
Press box (L x W x H)	Ft 19.5	19.5	19.5
	Ft 6	8	6
	Ft 3	4	3
Electric power	HP 2 or 3 x 120	2 or 3 x 120	3 x 120
Production output	TPH up to 23	up to 28	up to 21
<b>Dimensions</b>			
Length (total)	Ft 53	53	53
Width (incl. container)	Ft 21	22	21
Feeding height	Ft 8	9	8
Total weight	Ton approx. 83	approx. 91	approx. 90

Shear frame and blade slide	
Robust shear frame construction	X
Adjustable V-guides for blade slide	X
Fully guided hydraulic stamper	X
Large blade seat forging	X
Breaker bar on bladeslide	X
Automatic lubrication of stamper and blade slide guides	X
Lindur replaceable liners	X
<b>Press box</b>	
Robust box construction - wing and lid combination	X
Overstroke on lid	X
Lindur replaceable liners	X
Replaceable split front wear plates of the feeding pusher	X
Full length pusher cylinder enclosure	X
Support for shear (flat slab foundation)	X

Container		
<b>Dimensions (L x W x H)</b>		
Length	Ft	20
Width	Ft	8
Height	Ft	10
<b>Weight</b>		
2 x 120 hp	Ton	13
3 x 120 hp	Ton	13

Hydraulic system	
High efficiency hydraulics	X
Single manifold with cartridge valves	X
Submerged pumps for quiet operation	X
Low-vibration support of drive units	X
Preformed high pressure piping	X
Oil filtering and cooling in the bypass circuit	X
Oil / air cooler	X
Containerized hydraulic power unit and electrical controls	X
Electric drive	X
<b>Electrical system</b>	
PLC control with HMI touchscreen control panel	X
Magnetostrictive position monitoring of cylinders	X
Laser controlled pusher cylinder travel	X
Relative stroke and partial stroke control of blade slide and stamper	X
Adjustable cutting lengths selectable by remote control & HMI screen	X
Pump test / cylinder test modes	X
Wireless remote control - with 4 preset operating modes	X
Internet connection for remote access	X

Accessories/ Options	
Lifting jacks for transportable versions	0
Supports for elevated stationary set up (500mm)	0
Scrap cleaning system	0
Scrap discharge conveyor	0
Blade changing platform	0
Oil reservoir heater	0
Increased cooling capacity (temps over 40 °C)	0
Cold weather package (temps to - 40 °C)	0
Operator Cabin with control desk	0
AC for operator cabin	0
Elevated platform for cabin	0
Auto lubrication for box hinges	0
AC for electrical panel (ambient conditions over 35 °C)	0
Shear protection (partial) housing	0
Customer specific design requirements	0

X=Standard 0=Optional