



# Conquest

For ONP, OCC, High Grade Paper

## Key Advantages:

- Fully automatic – eliminates need for operator.
- Virtually eliminates the need for a fluffer.
- Loop cooling and filtration keeps the system exceptionally clean and efficient.
- ASI electrical system allows for automatic self-diagnosis.
- Maintenance-friendly power unit design with flooded suction virtually eliminates cavitation.
- Low energy cost. Efficient. Durable construction.



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# CONQUEST AUTO-TIE SPECIFICATIONS

Model	Conquest 180 100S	Conquest 180 200
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HYDRAULIC		
Total Force	361,700	361,700
Side Cylinders	One Cylinder for each side	One Cylinder for each side
Tension Cylinder	Single Cylinder Tension Design	Single Cylinder Tension Design
Ram Face Pressure	200 PSI	200 PSI
Oil Reservoir	650 gal Capacity	800 gal Capacity
Filtration	7 micron Replacement Element Filter	7 micron Replacement Element Filter
Auto-Tier	(5) five Wire Hydraulic Tier-max 10 GA black annealed wire	(5) five Wire Hydraulic Tier-max 10 GA black annealed wire

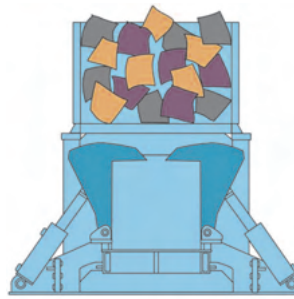
ELECTRICAL		
Main Motor	100 HP, 460 V, 3 Phase TEFC, Wye-Delta Starting	(2) 100 HP, 460 V, 3 Phase TEFC, Wye-Delta Starting
Cooler Fan	3 HP, 460 V	7.5 HP, 460 V
Cooler Pump	5 HP, 460 V	5 HP, 460 V
Controls	Programmable Controller with Phone Modem	Programmable Controller with Phone Modem
Photocell	Infrared type	Infrared type

STRUCTURAL		
Hopper Opening	72 in W x 72 in L	72 in W x 72 in L
Charge Box Opening	72 in W x 72 in L	72 in W x 72 in L
Length Overall	36 ft (frame only)	36 ft (frame only)
Width Overall	17 ft (at the Tier Station)	17 ft (at the Tier Station)
Height Overall	123 in (height of Charge Hopper)	123 in (height of Charge Hopper)
Shear Blade	High Abrasion-Resistant Alloy Steel	High Abrasion-Resistant Alloy Steel
Shipping Weight	52 t (approx.)	60 t (approx.)

PERFORMANCE		
Bale Size Expanded	43 in W x 43 in H x variable L	43 in W x 43 in H x variable L
Bale Volume at 66 in L	70 cubic ft expanded (approx.)	70 cubic ft expanded (approx.)
Cycle Time	25 seconds (no load)	15 seconds (no load)
Capacity	21,600 cubic ft per hour	36,000 cubic ft per hour

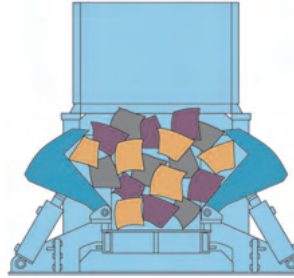
Conquest 180-100S MATERIAL	Material Infeed Density LB per Cubic	Bale Weight LB	Density LB per Cubic ft	Pounds per Stroke	Tons per Hour
HI GRADE	8-10	2600-3200	35-40	1200-1500	42-60
NEWS	6-8	2500-3000	33-38	900-1200	36-48
OCC	2-4	2200-2600	31-36	300-600	18-28

Conquest 180-200 MATERIAL	Material Infeed Density LB per Cubic ft	Bale Weight LB	Density LB per Cubic ft	Pounds per Stroke	Tons per Hour
HI GRADE	8-10	2600-3200	35-40	1200-1500	65-90
NEWS	6-8	2500-3000	33-38	900-1200	60-80
OCC	2-4	2200-2600	31-36	300-600	35-45

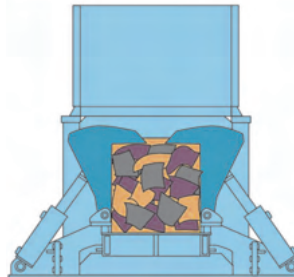


## How it works:

With the lid closed, material is charged into the baler's 72" wide by 72" long hopper.



When sufficient material is received, an infrared sensor actuates the compression cycle. The Hinge Sides open allowing material to fall into the 72" wide charge box.



The Hinge Sides close. In the process, the vertical of the Hinge Sides compresses the material while the lid portion traps and compresses the material. When the Hinge Sides are closed, the main compression Ram compresses the material into the baling chamber. Any excess material above the compression Ram is cut and left for the next stroke.

## The Conquest

- Virtually eliminates bridging
- Achieves maximum thru-put
- Bales high-grades without fluffing
- Eliminates need to pre-condition material
- Maximizes export capacity

### Standard Features:

- Large Charge Box Opening
- Export Bale Size and Density
- Programmable Controller with Phone Modem
- Oil Cooler and Oil Heater
- 6 ft. Bale Runout Table
- Wye-Delta Starting

### Available Options:

- Conveyor Controls
- Feed Hopper Extensions
- Material Fluffers
- Baling Wire
- ASI System
- Smart Report
- Contact Factory for Other Options

As part of our continuing product improvement and quality assurance programs, specifications are subject to change without notice and without incurring responsibility for units previously sold.

\* Weights will vary based on material infeed density.

\*\* Two 100 HP motors



**BEYOND THE EXPECTED**

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