

Challenger LARGE SQUARE BALERS

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We're up to  
**The Challenge**

LARGE SQUARE BALERS

LB SERIES SPECIFICATIONS

MODEL	LB34B	LB44B
<b>BALE SIZE</b>		
Width: in (mm)	47.2 (1200)	47.2 (1200)
Height: in (mm)	34.4 (875)	50 (1275)
Length: in (mm)	Up to 108 (2743)	Up to 108 (2743)
<b>DIMENSIONS &amp; WEIGHTS</b>		
Overall Width w/ Flotation Tires in (mm)	129.1 (3280)	129.1 (3280)
Overall Length in (mm)		
Without Bale Chute	301 (7650)	301 (7650)
With Bale Chute	370 (9400)	370 (9400)
Overall Height in (mm)		
Top of Knotted Shielding	111.6 (2835)	126.6 (3215)
Top of Hand Railing	130.3 (3310)	141 (3582)
Weight lb (kg)		
Baler w/ Single Axle	18,700 (8482)	21,919 (9942)
Baler w/ Tandem Axle	20,057 (9098)	22,741 (10,315)
<b>MAIN DRIVE</b>		
Driveline Category	ASABE 6	ASABE 6
Protection	Overrunning, Slip Clutch and Shear Bolt	Overrunning, Slip Clutch and Shear Bolt
Gearbox	Enclosed Double Reduction	Enclosed Double Reduction
<b>PICKUP</b>		
Width		
Tine to Tine in (mm)	80.6 (2046)	80.6 (2046)
Effective Width in (mm)	89.0 (2260)	89.0 (2260)
Overall Width in (mm)	117.9 (2994)	117.9 (2994)
Number of tines	128	128
Tine spacing in (mm)	2.6 (66)	2.6 (66)
Protection	Slip and Overrunning Clutches	Slip and Overrunning Clutches
Pickup lift	Hydraulic Cylinder	Hydraulic Cylinder
<b>FEEDING SYSTEM</b>		
Packers	Fork Type w/ 6 Hard Surfaced Tines	Fork Type w/ 6 Hard Surfaced Tines
Protection	Splined Slip Clutch	Splined Slip Clutch
Stuffer	Fork Type	Fork Type
Protection	Shear Bolt	Shear Bolt
<b>PLUNGER</b>		
Speed Strokes/Min	47	33
Length of Stroke in (mm)	29.1 (740)	32.8 (820)
Mounting	4 Tapered Roller Bearings (Sealed) 2 Ball Bearing Rollers (Sealed)	4 Tapered Roller Bearings (Sealed) 2 Ball Bearing Rollers (Sealed)
<b>TYING MECHANISM</b>		
Knotters	Six Double Knot Type	Six Double Knot Type
Twine Storage Capacity	30 Balls	30 Balls
Twine type	High Quality Split Film Polypropylene or Sisal	High Quality Split Film Polypropylene or Sisal

MODEL	LB34B	LB44B
<b>TIRES</b>		
Single Axle	700 / 50 x 22.5	28L x 26, 16 Ply
Tandem Axle	500 / 50 x 17	500 / 45 x 22.5
Pickup Gauge Wheels	4.8 x 8.0, 8 Ply	4.8 x 8.0, 8 Ply
<b>LIGHTS</b>		
	Ten Working Lights; Amber Flashing Warning and Turn Signals; Taillights	Ten Working Lights; Amber Flashing Warning and Turn Signals; Taillights
<b>CONTROL &amp; MONITORING SYSTEM</b>		
Type	GTA-1 Console	GTA-1 Console
Baler Controls	Plunger Load to Control Bale Density, Alarm Volume, Reset Bale Counters	Plunger Load to Control Bale Density, Alarm Volume, Reset Bale Counters
Functions Monitored	Plunger Load, Bale Chamber Tension Pressure, 123 Field Bale Counters, Flakes/Bale, Driving Meter, Stuffer Cycles, Knotted and Needle Performance, Feeder Performance, Stuffer Shearbolt, Gearbox Overheating and Automatic Electronic System Performance Checks	Plunger Load, Bale Chamber Tension Pressure, 123 Field Bale Counters, Flakes/Bale, Driving Meter, Stuffer Cycles, Knotted and Needle Performance, Feeder Performance, Stuffer Shearbolt, Gearbox Overheating and Automatic Electronic System Performance Checks
<b>TRACTOR REQUIREMENTS</b>		
Horsepower		
Minimum hp (kW)	120 (90)	150 (112)
Recommended hp (kW)	150+ (112+)	180+ (134+)
PTO rpm	1000	1000
Minimum Tractor Weight lb (kg)	21,140 (9589)	21,140 (9589)
Hydraulics	Two Double-Acting Remote Valves	One Double-Acting Remote Valve
Electrical system	12 Volt DC	12 Volt DC

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Both balers have 30-ball twine capacity. The twine sits in the box at a unique 30° angle, allowing the twine boxes to take up less space, improving baler serviceability.



The balers feature wide opening shields for unexcelled serviceability. The shields swing up and out of the way, reducing the number of crop build-up points.



The GTA-1 monitor features a color screen for unsurpassed readability. The baler is ISO compliant, so it can be connected to tractors with ISO VT terminals, allowing the baler to operate on the tractor's monitor.