



7400 Series Large Square Baler Specifications

MODEL	7430
BALE SIZE	
Width: in (mm)	31.5 (800)
Height: in (mm)	34.4 (875)
Length: in (mm)	Up to 98 (2500)
Weight: lb (kg)	Up to 1,000 (454) - dry hay Up to 1,500 (681) - silage hay
DIMENSIONS & WEIGHTS	
Overall Width w/ Flotation Tires in (mm)	100 (2540)
Overall Length in (mm)	
Without Bale Chute	286 (7265)
With Bale Chute	357 (9070)
With Accumulator	390 (9906)
Overall Height in (mm)	
Top of Knotter Shielding	107.5 (2731)
Top of Hand Railing	124.5 (3162)
Weight lb (kg)	
Baler w/ Single Axle	13,358 (6051)
Baler w/ Tandem Axle	15,071 (6827)
With Tandem Axle, Cutter, Ejector, Knotter Blower, and Roller Chute	17,863 (8092)
MAIN DRIVE	
Driveline Category	ISO 8 (ASAE 6)
Protection	Overrunning, Slip Clutch and Shear Bolt
Gearbox	Enclosed Double Reduction
PICKUP	
Width	
Tine to Tine	70.2 (1782)
Effective Width in (mm)	77.5 (1968)
Overall Width in (mm)	107.4 (2729)
Number of tines	112
Tine spacing in (mm)	2.6 (66)
Protection	Slip and Overrunning Clutches
Pickup lift	Hydraulic Cylinder
CUTTER SYSTEM (Factory Option)	
Type	Star Wheel Rotor
Rotor Speed rpm	111
Number of Knives	11
Cut Length (Minimum) in (mm)	1.9 (4.8)
Knife Protection	Individual Spring
FEEDING SYSTEM	
Packers	Fork Type w/ 4 Hard Surfaced Tines
Protection	Splined Slip Clutch
Charge Chamber Volume: cu ft (cu m)	6.65 (188)
Stuffer	Fork Type
Protection	Shear Bolt
PLUNGER	
Speed Strokes/Min	40.97
Length of Stroke in (mm)	27.95 (710)
Mounting	4 Tapered Roller Bearings (Sealed) 2 Ball Bearing Rollers (Sealed)
TYING MECHANISM	
Knotters	Four Double Knot Type
Twine Storage Capacity	20 Balls
Twine type	High Quality Split Film Polypropylene or Sisal
TIRES	
Single Axle	21.5L x 16.1 or 600/50-22.5 (Optional)
Tandem Axle	500/50-17
Pickup Gauge Wheels	4x16
LIGHTS	
	Six Working Lights; Amber Flashing Warning and Turn Signals; Taillights
CONTROL & MONITORING SYSTEM	
Type	FieldStar DataTouch Terminal
Baler Controls	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, Knotter and Needle Performance, Feeder Performance, Stuffer Shearbolt, Gearbox Overheating and Automatic Electronic System Performance Checks
TRACTOR REQUIREMENTS	
Horsepower	
Minimum hp (kW)	100 (75)
Recommended hp (kW)	120 (90)
Minimum w/ Precutter hp (kW)	140 (105)
PTO rpm	1000
Minimum Tractor Weight lb (kg)	15,600 (7090)
Hydraulics	Two Double Acting Remote Valves
Electrical system	12 Volt DC