

Automatic Horizontal Baler

Sinobaler fully automatic horizontal baler is for facilities who want efficient, automatic baling of a variety of materials (from cardboard and paper to packing material and fibers). The key features include fully automatic feeding, compressing, wire threading, wire twisting, tying, wire cutting, and bale ejecting. This makes it a workhorse, capable of large scale recycling without the need for excessive labor.

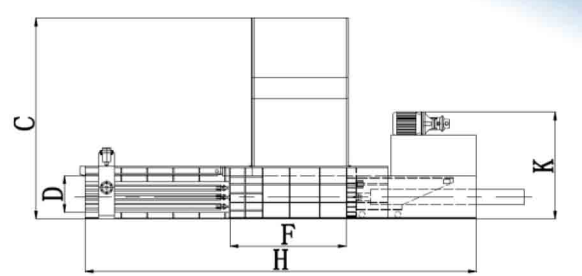
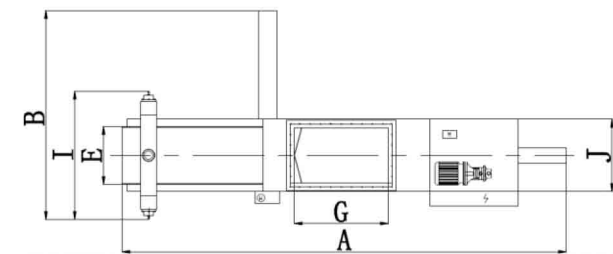
The electrical functions are controlled by a PLC system, which promotes uniformity and safety, making this as close to "set it and forget it" as a baler can get. It is generally used for handling middle & large volumes of recyclable material like above 1ton per hour.

With its automatic features, this is an ideal baling machine for paper/cardboard recycling facilities, carton manufacturers, large printing facilities, paper scrap traders, fiber traders, hay exporters, MRF plants, RDF plant, and distribution centers.

Baling Applications: Cardboard (OCC), paper, newspaper, cartons, biomass, natural fibers, hay/straw, film, PET bottles, and other packing materials.

FEATURES

- Fully Automatic Operation System** enables automatic compressing, strapping, wire cutting, and bale ejecting. This is a very efficient machine in terms of labor.
- PLC Control System** automates the operation and promotes accuracy.
- One Button Operation** makes compressing, strapping, cutting wires, and bale ejecting as a continuous process, facilitating operation convenience & efficiency.
- Adjustable Bale Length** for meeting different bale size/ weight requirements.
- Cooling System** for cooling down the temperature of the hydraulic oil, which protects the machine in high ambient temperature. Either air-cooling or water-cooling is available.
- Electric Controlled** for easy operation, simply by operating on buttons and switches to fulfill platen moving and bale ejecting.
- Cyclone Feeding Device** for extracting material of small shreds into the baler.
- Horizontal Cutter on Feeding Aperture** for cutting off the excessive material to prevent it from getting stuck at the feeding aperture.
- Touch Screen** for convenient operation, as well as setting & reading parameters.
- Automatic Feeding Conveyor is Optional** for achieving continuous & automatic material feeding to maximize throughput and save labor. The conveyor can automatically start or stop according to material level in hopper.
- De-Jamming Cylinder is Optional** is used when material gets stuck at the feeding aperture, for vertically pushing down the stuck material to enable the main cylinder to go through.
- Heating Device is Optional** for heating up the hydraulic oil to prevent it from getting frozen, usually used for low-temperature areas.
- Fluffer is Optional** for shredding and fluffing thick material (e.g. newspaper, office paper) into loose material to prevent material from getting stuck at the feeding aperture.



Specifications

MODEL		SHBA2-200	SHBA2-400	SHBA2-600	SHBA2-1000		SHBA2-1200	
					Option A	Option B	Option A	Option B
Feed Opening	Length	650mm (26")	1200mm (47")	1500mm (59")	1600mm (63")	2000mm (79")	1800mm (71")	2000mm (79")
	Width	500mm (20")	720mm (28")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")
Compressing Chamber Size	Length	1150mm (45")	1550mm (61")	2200mm (87")	2200mm (87")	2600mm (102")	2400mm (94")	2600mm (102")
	Width	500mm (20")	720mm (28")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")
	Height	500mm (20")	800mm (31")	800mm (31")	800mm (31")	800mm (31")	1100mm (43")	1100mm (43")
	Bale Size	Length	L adjustable	L adjustable	L adjustable	L adjustable		L adjustable
	Width	500mm (20")	720mm (28")	1100mm (43")	1100mm (43")		1100mm (43")	
	Height	500mm (20")	800mm (31")	800mm (31")	800mm (31")		1100mm (43")	
Bale Weight (for OCC)		40-75kg	200-350kg	350-700kg	400-800kg		600-1200kg	
		88-165lbs	440-770lbs	770-1540lbs	880-1760lbs		1320-2640lbs	
Hydraulic Working Pressure (max.)		19Mpa (2755psi)	19Mpa (2755psi)	19Mpa (2755psi)	19Mpa (2755psi)		19Mpa (2755psi)	
Main Cylinder	Bore	120mm (4.7")	160mm (6.3")	180mm (7.1")	220mm (8.7")	220mm (8.7")	250mm (9.8")	250mm (9.8")
	Piston Rod	80mm (3.1")	120mm (4.7")	130mm (5.1")	160mm (6.3")	160mm (6.3")	180mm (7.1")	180mm (7.1")
	Stroke	1150mm (45")	1550mm (61")	2200mm (87")	2200mm (87")	2600mm (102")	2400mm (94")	2600mm (102")
Oil Reservoir		350L (91gal)	650L (169gal)	1300L (338gal)	1500L (390gal)		1900L (494gal)	2200L (572gal)
Platen Pressure (kgf/cm ²)		8.6	6.6	5.5	8.2		7.7	
Motor Power		11kw (15HP)	15kw (20HP)	22kw (30HP)	45kw (60HP)		55kw (75HP)	30kw x 2 (40HP x 2)
Output (for OCC)		0.8-1.2Ton/h	2-3Ton/h	3-5Ton/h	5-9Ton/h	8-12Ton/h	9-11Ton/h	12-15Ton/h
Number of Tying		3	4	4	4		5	
Cycle Time (unloaded)		16 seconds	14 seconds	18 seconds	16 seconds	19 seconds	20 seconds	14 seconds
Steel Wire Size		Φ2.7-3.0	Φ2.7-3.0	Φ2.7-3.0	Φ2.8-3.2		Φ2.8-3.2	
Machine Weight (approx.)		4000kg (8,800lbs)	7000kg (15,400lbs)	13000kg (28,600lbs)	17000kg (37,400lbs)	19500kg (42,900lbs)	19000kg (41,800lbs)	21500kg (47,300lbs)

Dimensional Data

MODEL	SHBA2-200	SHBA2-400	SHBA2-600	SHBA2-1000		SHBA2-1200	
				Option A	Option B	Option A	Option B
A	4240mm (167")	5950mm (234")	8160mm (321")	8950mm (352")	9750mm (384")	9150mm (360")	9670mm (384")
B	2740mm (108")	3720mm (146")	4450mm (175")	4500mm (177")	4500mm (177")	4500mm (177")	4500mm (177")
C	1700mm (87")	3500mm (138")	3950mm (156")	3950mm (156")	3950mm (156")	4000mm (157")	4000mm (157")
D	500mm (20")	800mm (31")	800mm (31")	800mm (31")	800mm (31")	1100mm (43")	1100mm (43")
E	500mm (20")	720mm (28")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")	1100mm (43")
F	1150mm (45")	1550mm (61")	2200mm (87")	2200mm (87")	2600mm (102")	2400mm (94")	2600mm (102")
G	650mm (26")	1200mm (47")	1500mm (59")	1600mm (63")	2000mm (79")	1800mm (71")	2000mm (79")
H	3800mm (150")	5350mm (211")	7360mm (290")	7950mm (313")	8350mm (329")	8400mm (330")	8600mm (339")
I	1240mm (49")	1890mm (74")	2250mm (89")	2320mm (91")	2320mm (91")	2320mm (91")	2320mm (91")
J	680mm (27")	980mm (39")	1370mm (54")	1380mm (54")	1380mm (54")	1410mm (56")	1410mm (56")
K	1790mm (70")	2070mm (81")	2330mm (92")	2290mm (90")	2290mm (90")	2660mm (105")	2660mm (105")

Overall specifications are subject to change without notice. SBM sales representative for your inquiry will give you the exact specifications for your quoted machine.
 *Bale size hereby referred to does not consider bale expanding
 ** Output rates are subject to your material's input density, feed speed, and other variables of production outside the control of Sinobaler.

