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**Introducing the:**  
**MHM - JOVISA JS2000**  
 Fully Automatic Horizontal Baler

The JS-2000 fully automatic horizontal baler is the biggest baler by far in the range, with a ram pressure of 125 tonne up to 240 tonne and production of 40 tonne per hour. Bale weights up to a massive 1.5 tonnes can be produced according to the bale length, which can be set up electronically. Like all machines in this range you can set various configurations to suit your individual needs. This fully automatic horizontal baler can be specified with either horizontal or vertical needles for the unique tying system and we can also supply the JS-2000 with cord baling system.



Description	Units	JS-2000VL/125	JS-2000VL/150	JS-2000VL/200	JS-2000/250
Force of pressing	Tn	125	150	200	250
Force of pressing	kW	2x 44.1	2x 55.2	2x 55.2	2x 55.2
No Hydraulic pumps/type	-----	2/Variable Flow	2/Variable flow	4/Variable flow	4/Variable flow
Section of bale	mm	1100x1100	1100x1100	1100x1100	1100x1100
Section of hopper	mm	2000x1100	2000x1100	2000x1100	2000x1100
Volume of theoretical baling	m3/h	405	537	665	750
Theoretical Production According Calculations with density 500Kg/m3	Tn/h	20	26	33	37
Position of tying device	-----	Lateral/Vertical	Lateral/Vertical	Lateral/Vertical	Vertical

Photographs for illustration purposes only

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MAQUINARIA E HIDRÁULICA  
**JOVISA, S.L.**  
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Motor Group	4 x 50 hp (148 kw)
Auxiliary group	1 x 20 hp (15 kw)
Needle motor	7.5 hp (5.5 kw)
Automatic tying motor	4 hp (3 kw)
Total power rating motor group	231.5 hp (171.5 kw)
Pumps	4 Constant power, variable flow One of engagements.
Bale dimensions	1100 x 1100
Bale length	Electronically adjustable
Feed hopper	2000 x 1100
Pressure chamber	Recessed floor covered with 300 hb Steel sheets and fastened with bolts.
Approximate working pressure	210kg/cm <sup>2</sup>
Maximum working pressure	280kg/cm <sup>2</sup>
Pressure chamber volume	2.77 m <sup>3</sup>
Theoretical baling capacity per hour	665 m <sup>3</sup> /h
Theoretical weight ( with cardboard)	550 kg/m <sup>3</sup>
Theoretical hourly production according To filling density with an operating pressure of 200 kg/cm <sup>2</sup>	
20 kg/m <sup>3</sup>	13.3 Tn/h
50 kg/m <sup>3</sup>	33.2 Tn/h
70 kg/m <sup>3</sup>	46.5 Tn/h
90 kg/m <sup>3</sup>	59.6 Tn/h
Cylinder power	200 Tn
Specific power	15.1 Kg/cm <sup>3</sup>
Theoretical vacuum cycles	5.2 per minute
Approximate loading cycle	4 per minute
Channel jack	Automatic. Hydraulic
Knot extractor and conveyor	Yes
Self convergence parallel channel	No
Needle carriage	Vertical

Wire path	Automatic
No. of wires	6
Automatic tying device	Nugamatic system, moveable.
Stamper	Incorporate
Hydraulic assembly	In a block. All external. Logic system.
Hydraulic oil tank	3200 litres
Cooling	Water (1 interchange)
Approximate weight of machine	45 Tn.
Total machine length	12.4 m
Hydraulic cylinder	Bronze guides fitted and chromium plates and lap jointed.
Electrical control	Programmable robot.
Electrical parts	Telemechanique.
Operating digital sensing	Diodes (led) for faults.
Maintenance and fault sensor	Monitor with written text.
No. of bales and working hours counter	Electronic.
Bale length counter	With screen of great dimension.
Machine loading control	Ultrasonic equipment.
Oil level at the tank	Yes. Visually. With luminous electric and warning contact.
Structure	Electrowelded.
Steel grade	A-42-B (4.200 kg/cm <sup>2</sup> )
Gas welding type	CO2 atmosphere.
Welding type	Continuous wire.
Surface treatment	Steel sheet pickling.
Preparation treatment	Double priming layer at the rusting areas.
Finishing treatment	Ral 6017 green paint.
Motor protection	IP-55
Plates guides	Changeable
Production is variable according to materials used and whether preconditioned or not.	

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