

SAWDUST BRIQUETTE PRESS-BP420AP



DESCRIPTION

The press is used to press the sawdust into briquettes to stoke gas generating heating boilers.

Technical data of the press:

Dimensions:	length	1800 mm
	width	1800 mm
	height	1900 mm (during transportation 2200 mm)
	weight	3000 kg

Feeding of the press: 380 V 50 Hz 35 kW 70-100 A

Productivity of the press: -450 kg / h

Sawdust compression pressure:	minimum	1000 kg/cm ²
	maximum	1500 kg/cm ²

Conditional humidity of sawdust: < 15 %

Dimensions of the briquette:	length	150 mm
	width	60 mm
	height	40 – 105 mm

Press consists of:

Electric system – controls hydraulic part of the press. There are three electric motors: first one 30 kW, it's purpose is to rotate the great hydraulic pump, second one 1,1 kW – to rotate the minor hydraulic pump, the third one 1,5 kW – to rotate sawdust feeding snail. The work of motors and hydraulic valves are controlled through contactors by the first microprocessor with expansion module. It interacts with semiconductor amplifier and second microprocessor, which controls the work of analogue pressure sensor.

Hydraulic system – controls the work of hydraulic cylinders. There are three hydraulic cylinders: first one – great, it is used to press the sawdust, second one – vertical, is used to multiplex the feeding sawdust, third one – shape, it is used to shift briquette mound. Their work depends on the hydraulic oil. Great hydraulic pump circulates the oil. The minor hydraulic pump is performing circulation needed for the oil cooling. Hydraulic valves control the feeding and the leak of oil.

Sawdust feeding – is performed by the sawdust feeding bin assembled on the press. Sawdust in the bin are blown and pushed under piston of vertical cylinder by the help of snail.

Control – two types of control is intended, manual and automatic. All the control equipment is installed in electric case. Automatic control is the normal work of the press, without interruption of operator. The intension of manual control is to set the press, to return the cylinders into initial position in case the electricity disappears or in case of accident, for control of the press during maintenance. Three telltale lamps make the work with the press easier. The first one warns about the overheating of the motors. The second one about the lack of sawdust in the bin and the third one shows the obturation in the oil filters.

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THE ECONOMIC DATA

The price of standard set

61.000.- EUR (plus additionally options)

Installing price	if needed for additional cost
Payment - 40% after signing agreement. 60% before loading to customer transport. EXW	
Delivery (presses) terms -4 weeks	max 8 weeks
Guaranty time	1500 work hours or 12 months (Please see the general requirements in the contract)



PRODUCTION EXPENDITURES OF ONE TON

CONDITIONAL CALCULATION (standard Euro pallet 1080 kg)

Made in Europe, please calculate for your country

Pallet:	1 pcs.	11.34 EUR
Protective film (top and bottom):	5 m ²	1.46 EUR
Plastic bags for briquettes:	108 pcs.	9.56 EUR
Dry sawdust:	10 m ³	20.27 EUR
Packing film:	10 m ²	3.63 EUR
Wooden package circlet:	1 pcs.	0.15 EUR
Metal package belt:	20 m	01.75 EUR
Electricity expenditures:	87.5 kWh	9.57 EUR
Labour costs with taxes:	2.5 h	25.37 EUR
Exploitation expenses:		2.39 EUR
Total:	approximately	75,00 EUR to be checked

Briquettes selling price EXW:	150,00 – 180,00 EUR to be checked
Profit (without indirect costs):	75 – 90 EUR

During one shift the press, that is 7 working hours, produces 3.15 tons of briquettes. According to the calculation with highest index of expenditures per month, that is twenty one work days, press will produce 66.15 tons of briquettes, the profit would be approx. 4500 – 5000 EUR.

Press buyes off :

One shift	15– 24 months
Two shifts	9 – 12 months
Three shifts	7– months

In case factory uses their own sawdust and does not take into account the prise of sawdust, profit increases up to 60 %.

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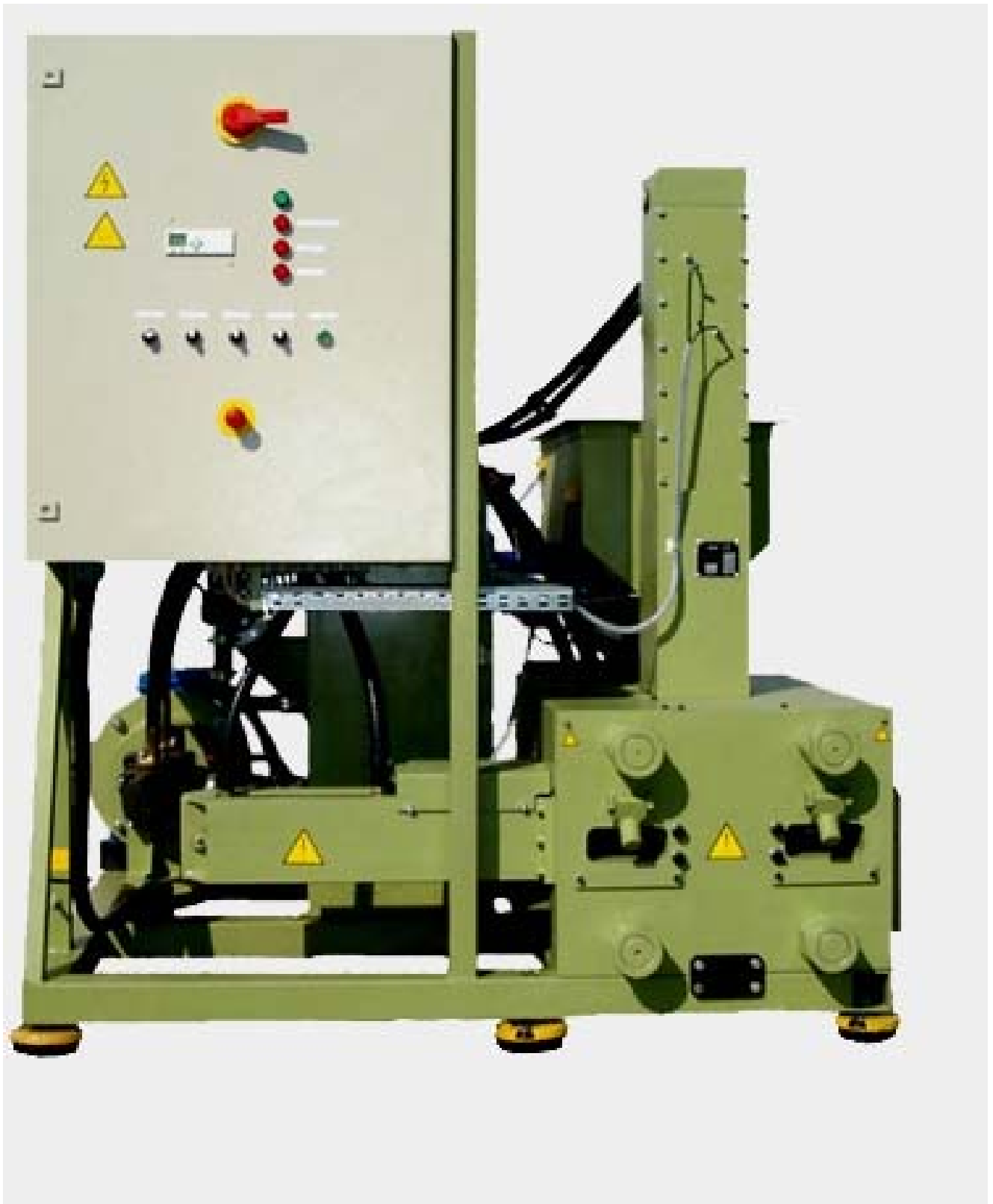
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