



Cleaning world
and giving energy

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industrial solutions

Technical characteristics of biogas plants for poultry farms (chicken dung with bedding material)

Characteristics		Parameters	Values						
1	Raw material capacity (inlet)	tons/day	20	40	60	80	100	200	400
2	Biogas production	m ³ /day*	1600	3200	4800	6400	8000	16000	32000
3	Plant electricity consumption	kW	20	40	50	70	90	120	200
4	Plant heat power consumption	kW	80	160	240	320	400	750	1200
5	Maintenance personnel	operator	1	1	1	1	2	2	2
6	Area required	hectares	0,3	0,5	0,7	1,0	1,5	2,4	3,5
7	Solid bio-fertilizer output	tons/day	17	34	51	68	85	170	340
8	Liquid bio-fertilizer output	m ³ /day	1	2	3	4	5	10	20

* - biogas production from fresh chicken dung

Price list for poultry farm biogas plant (chicken dung with bedding material)

Raw material capacity (inlet) tons/day	Price EURO			
	Project documentation	Supervision*	Equipment	Construction**
20	25000	20000	350000	310000
40	40000	20000	520000	480000
60	50000	20000	650000	570000
80	62000	20000	740000	720000
100	70000	20000	960000	820000
200	75000	20000	1920000	1560000
400	80000	20000	3840000	3250000

* - includes contract supervision, starting-up and adjustment, training

** - construction part (concrete tanks) can be executed by the customer under ZORG documentation and supervision at price cost without any surcharges

- price is based on FCA Memmingen (Germany)

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