



## ZORG UKRAINE Ltd

Address:  
172, Gorkogo str.,  
9-th floor, Kiev,  
03680, Ukraine

Tel/fax:  
+38 (044) 5212951  
+38 (044) 5212952  
+38 (044) 5212953

Web:  
<http://www.zorg-biogas.com>  
[biogas@zorg-biogas.com](mailto:biogas@zorg-biogas.com)

### industrial solutions

## Technical characteristics for brewery's grains biogas plants

Characteristics		Parameters	Values				
1	Raw material capacity (inlet)	tons/day	100	150	200	250	300
2	Biogas production	m <sup>3</sup> /day*	12000	18000	24000	30000	36000
3	Plant electricity consumption	kW	60	90	120	150	180
4	Plant heat power consumption	kW	150	200	300	350	400
5	Maintenance personnel	operator	1	1	2	2	2
6	Area required	hectares	1,2	1,8	2,2	2,6	3,2

\* - biogas yield from fresh brewer's grains (humidity 80%).

## Price list for brewery's grains biogas plants

Raw material capacity (inlet) tons/day	Price, Euro			
	Project documentation	Supervision*	Project documentation	Construction**
100	52000	30000	850000	920000
150	65000	30000	1300000	1400000
200	72000	30000	1700000	1880000
250	85000	30000	2100000	2360000
300	92000	30000	2500000	2840000

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

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

- price is based on FCA Memmingen (Germany)