

## TKM55 SOLID BURNER TECHNICAL SPECIFICATION

|  |       |
|--|-------|
| Transport Length, mm   | -     |
| Working length, mm   | 12500 |
| Width, mm  | 4200  |
| Transport Height, mm   | -     |
| Working Height, mm   | 9400  |
| Capacity, m <sup>3</sup>   | 55    |
| Weight of corn (density 0.75)  | 38,5  |
| Weight of rice, ton  | 33    |
| Weight of sunflower, ton   | 15,4  |
| Productivity of wheat, density 0.78, moisture 19%-14%, air temperature 15C, hot air 80C, ton per day | 225   |
| Productivity of corn, density 0.75, moisture 28%-14%, air temperature 15C, hot air 120C, ton per day | 161   |
| Productivity of corn, density 0.75, moisture 21%-14%, air temperature 15C, hot air 120C, ton per day | 235   |
| Productivity of sorghum, density 0.81, moisture 18%-13%, hot air 60C, ton per day                    | 157   |
| Productivity of rape, density 0.74, moisture 16%-9%, hot air 80C, ton per day                        | 120   |
| Productivity of sunflower, density 0.65, moisture 12%-8%, hot air 65C, ton per day                   | 125   |
| Productivity of soya, density 0.69, moisture 24%-13%, hot air 75C, ton per day                       | 118   |
| Productivity of rise, density 0.60, moisture 28%-14%, hot air 55C, ton per day                       | 100   |
| Productivity of rise, density 0.60, moisture 20%-14%, hot air 55C, ton per day                       | 140   |
| Thickness of the grain layer, cm   | 55    |
| <b>Motor power, kW:</b>  |       |
| - cylinder   | 18,5  |
| - main blowing fan   | 11    |
| - loading worm   | 4x2   |
| - aspiration system  | 3     |
| - fan of combustion chamber  | 1,8   |
| - total power  | 42,3  |

|  |                     |
|--|---------------------|
| Amount of air supplied to dryer, cubic meters per hour | 100000              |
| Driving power required per PTO, kW                     | -                   |
| Model of burner  | OZSU                |
| Thermal power, kW (burner, chamber for solid fuel)     | 1510                |
| Fuel consumption (diesel, gas, pellets)                | 200 kg/hour         |
| Average Fuel Consumption (UTILITY RAW/DON'T FILL)      | 80                  |
| <b>Rotation speed, rpm:</b>                            |                     |
| - cylinder   | 970                 |
| - main blowing fan                                     | 1550                |
| - loading worm   | 1550                |
| - aspiration system                                    | 2890                |
| - fan of combustion chamber                            | 2840                |
| Weight, kg   | 10000               |
| <b>Diameter, mm:</b>                                   |                     |
| - cylinder   | 4200                |
| - central worm   | 500mm               |
| - loading worm   | 290mm               |
| Productivity of loading worm, ton/hour                 | 120 Kg              |
| Productivity of central worm, ton/hour                 | 150 Kg              |
| Time required to load dryer with grain, min            | 45                  |
| Time required to discharge grain from dryer, min       | 35                  |
| Container size, LxWxH, mm                              | 13000 x 2400 x 2900 |