



Grinding and briquetting technology

GAZ Series:

GAZ 102

GAZ 122

GAZ 142

GAZ 152

GAZ 182

GAZ 202

GAZ 252

GAZ single-shaft shredder

Shredding technology

for professionals



GAZ single-shaft shredder



Two-step shredding single-shaft shredder GAZ 252 Herkules I, combined with GNZ mill

GAZ 102 – GAZ 252 – the single-shaft shredders with the highest performance

The GAZ 102 – GAZ 252 series was designed for shredding of large material quantities. The single-shaft shredders are suitable for shredding all types of woods, and hard and tough plastics.

The high-performance motors from 1 x 22 kW to 2 x 90 kW with turbo coupling provide for high throughput.



Transmission and hydro coupling



Hydraulics



Screen



Profile rotor with welded knife carriers

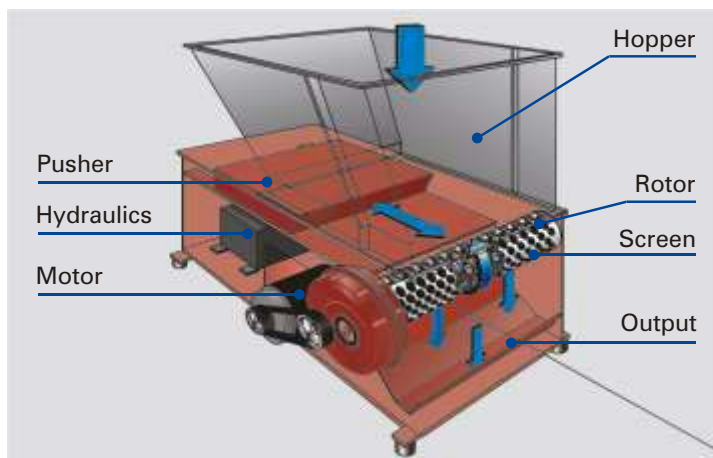


Square knife and concave ground knife



Switching cabinet / SPS control

Functional description



Material is fed through the hopper in front of a hydraulically operated drawer, which pushes the material load-controlled onto the turning rotor. The fed materials are shredded between the rotor knives and a fixed counterknife bar. The drawer has stripping bars that prevent material from entering between the drawer and machine housing. Material can be removed with a spiral conveyor, suction device, or a conveyor belt or chain conveyor. Once the material is shredded, the machine will automatically shut off.



GAZ 122 on mount with extraction



GAZ 202 for pallet shredding



GAZ 102 in pit



GAZ 102 set up below ground, with hopper expansion



Waste from furniture manufacturing



Hardwood waste



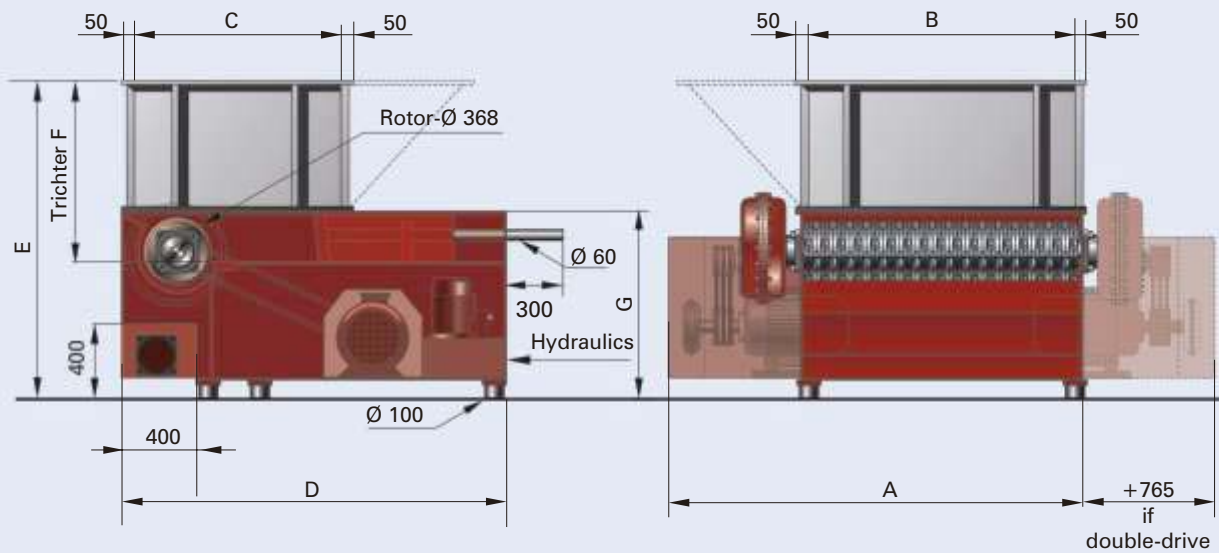
Mixed waste



Broken-down pallets

Technical data

GAZ 102 - GAZ 252



| | GAZ 102 | GAZ 122 | GAZ 142 | GAZ 152 | GAZ 182 | GAZ 202 | GAZ 252 |
|------------------------------------|---------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| Dimension A (mm) | 1.800 | 2.000 | 2.300 | 2.300 | 2.600 | 3.000 | 3.300 |
| Dimension B (mm) | 1.000 | 1.200 | 1.500 | 1.500 | 1.800 | 2.000 | 2.500 |
| Dimension C (mm) | 1.200 | 1.200 | 1.200 | 1.500 | 1.500 | 1.500 | 1.500 |
| Dimension D (mm) | 2.100 | 2.100 | 2.100 | 2.700 | 2.700 | 2.700 | 2.700 |
| Dimension E (mm) | 1.720 | 1.720 | 1.720 | 1.720 | 1.900 | 1.900 | 1.900 |
| Dimension F (mm) | 1.030 | 1.030 | 1.030 | 1.030 | 1.030 | 1.030 | 1.030 |
| Dimension G (mm) | 990 | 990 | 990 | 990 | 1.200 | 1.200 | 1.200 |
| Feed opening (mm): | 1.000 x 1.200 | 1.200 x 1.200 | 1.500 x 1.200 | 1.500 x 1.500 | 1.800 x 1.500 | 2.000 x 1.500 | 2.500 x 1.500 |
| Hopper capacity (m ³): | 1,3 | 1,5 | 1,9 | 2,3 | 2,8 | 3,0 | 3,8 |
| Throughput (kg/h) | Depends on material composition and diameter of holes in the screen | | | | | | |
| Rotor diameter (mm): | 368 | 368 | 368 | 368 | 368 | 368 | 368 |
| Rotor speed (rpm): | 60 -120 | 60 -120 | 60 -120 | 60 -120 | 60 -120 | 60 -120 | 60 -120 |
| Power (kW): | 22/30/37/45 | 22/30/37/45 | 30/37/45/55 | 30/37/45/55 | 45/55/75 2x55 | 55/75/90 2x55 | 75/90 2x55/2x75 |
| Tools (quantity): | 28/52 | 34/64 | 43/82 | 43/82 | 52/100 | 58/112 | 73/142 |
| Screen perforation (mm): | 10 -100 | 10 -100 | 10 -100 | 10 -100 | 10 -100 | 10 -100 | 10 -100 |
| Suction piece Ø (mm): | 200 | 200 | 250 | 250 | 250 | 250 | 250 |
| Weight (approx. in kg): | 2.800 | 3.200 | 4.000 | 4.500 | 5.800 | 6.500 | 8.500 |

Demonstrations and trials with your material may be coordinated with our technical staff.