

SHREDDER

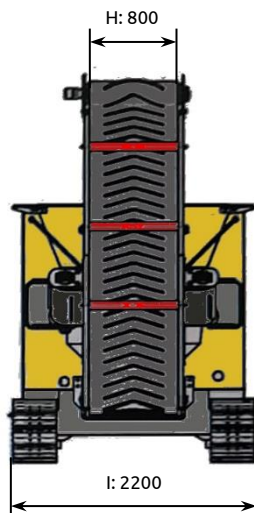
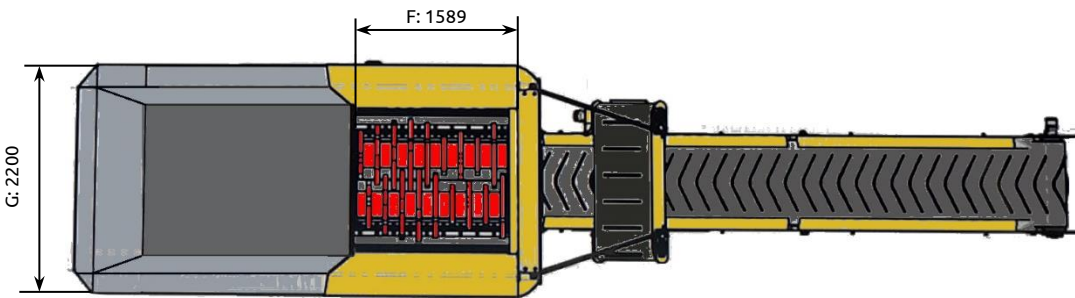
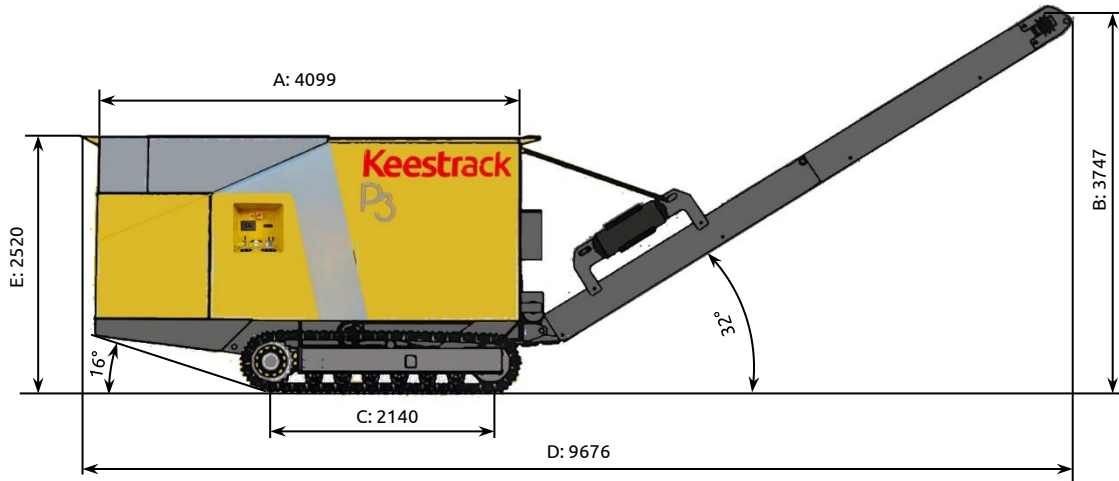


SHREDDER



DIMENSIONS

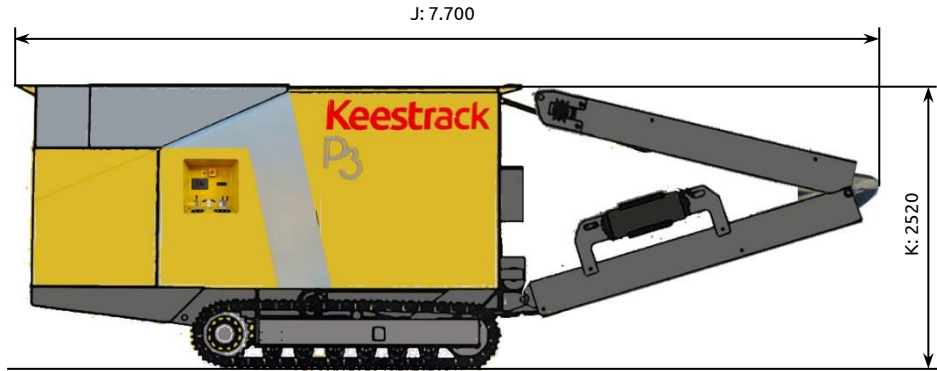
WITHOUT AFTERSCREEN:



SHREDDER

TRANSPORT DIMENSIONS

TRANSPORT WITHOUT AFTERSCREEN:



SHREDDER

Weight: approx. 14,5 t (without Options)

Weight options:
 Magnetic separator Fe 650 kg
 After screen 250 kg

Transport width 2.200 mm

REMARK: All pictures might show options, not included in the scope of supply

| A | B | C | D | E | F | G | H | I | J |
|-------|-------|------|-------|------|------|------|------|------|-------|
| 4099 | 3747 | 2140 | 9676 | 2520 | 1589 | 2200 | 800 | 2200 | 7700 |
| 13'5" | 12'4" | 7' | 31'9" | 8'3" | 5'3" | 7'3" | 2'7" | 7'3" | 25'3" |

TECHNICAL SPECIFICATION

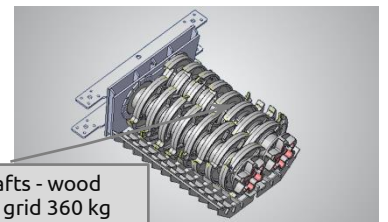
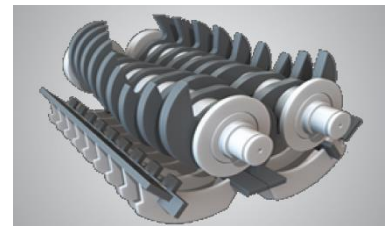
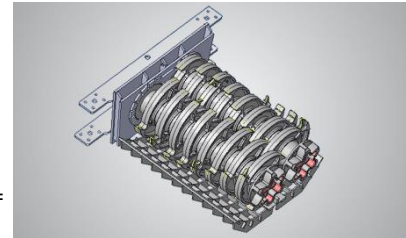
1) FEED HOPPER

| | | |
|--------------------|--|------------------------|
| - Content | 2,3 m ³ | (3 yard ³) |
| - Material | St 520 (Option: wear resistant Stahl HB 450) | |
| - Feeding height | 2.520 mm | (8'3") |
| - Feeding width | 1.800 mm | (5'11") |
| - Feeding length | 2.200 mm | (7'3") |
| - Tilting angle | 45° | |
| - Feeding Shredder | Hydraulically tiltable; in automatic mode every 5 seconds (Optionally tiltable via remote control) | |

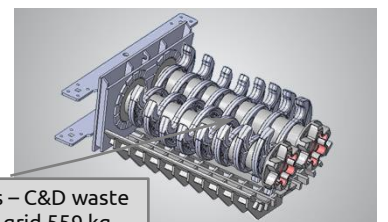


2) TWIN SHAFT SHREDDER

| | | |
|--------------------------------------|---|------------------------------|
| - Feed opening | 1589 x 1200 mm (L x B) | (5'3" x 3'11") |
| - Shaft diameter | 700 mm | (2'4") |
| - Drive | Diesel engine – hydraulic axial piston pump – axial piston motor – planetary gear | |
| - Driving torque | 90.000 Nm per shaft (= 180.000 Nm) | (66375 lbft x2= 132750 lbft) |
| - Oil pressure hydraulic motor | 400 r | |
| - Speed of shaft | 1 st shaft: 45 R.P.M. 2 nd shaft: 25 R.P.M.; every hour resp. acc. to the program, the shafts change direction of rotation; automatic reversing of the shafts at overload (= release system) | |
| - Release system | Variable grids acc. to feed material: | |
| - Grid | Wood: Opening of grid 100 mm | (4") |
| | C&D Waste (rubble): Opening of grid 60 mm (for final product approx. 0/80 mm) | (2,3" for < 3") |
| - Sets of shafts | Variable sets of shafts, depending on feed material (wood, C&D waste, rubble, garbage, metal, tyres, ...) | |
| - Time for changing shafts with grid | Approx. 1 hour | |
| - Throughput capacities | Garbage: 10-15 T.P.H. - approx. 0/100 (150) mm Whiteware: 10-15 T.P.H. - approx. 0/100 (200) mm Industrial garbage: 10-15 T.P.H. - approx. 0/100 (150) mm Wood: 10-20 T.P.H. - approx. 0/100 (250) mm C&D waste: 80-100 T.P.H. - approx. 0/70 (80) mm Concrete with reinforcement: 60-80 T.P.H. - approx. 0/70 (80) mm Concrete railway slippers: 3/min - approx. 0/70 (80) mm Asphalt: 80-100 T.P.H. - approx. 0/70 (80) mm Light scrap metal: 5-10 T.P.H. - approx. 0/100(250) mm | |



Set of shafts - wood
3.675 kg + grid 360 kg



Set of shafts – C&D waste
2.673 kg + grid 559 kg

SHREDDER

TECHNICAL SPECIFICATION

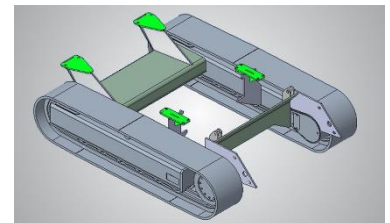
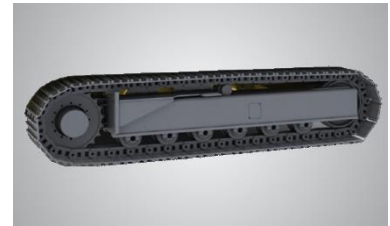
3) MAIN DISCHARGE CONVEYOR

| | | |
|------------------------------|--|---------|
| - Discharge height | 3.747 mm | |
| - Stockpile volume | approx. 130 t; $\gamma=1,4$; 37° angle of repose | (12'3") |
| - Length AD (=Axle distance) | 7000 mm | (23') |
| - Width BW | 800 mm | (2'7") |
| - Belt speed | 2 m/s | |
| - Inclination | 20 - 32°, manually adjustable | |
| - Drive | Hydraulic motor 250 ccm | |
| - Tail drum | Rod drum for avoiding material jamming with inside maintenance free bearings | |
| - Belt quality | Chevron belt | |
| - Transport | Manually foldable | |



4) TRACKS

| | | |
|--------------------|---|--------|
| - Length AD | 2.140 mm | (7') |
| - Width track shoe | 400 mm | (1'4") |
| - Total width | 2.200 mm | (7'3") |
| - Speed | 2,5 km/h | |
| - Drive | Hydraulic piston pump and planetary gears | |



TECHNICAL SPECIFICATION

5) ENGINE UNIT

EU = Europe / US = United States
REM = ROW - Rest of World (except China and India)

Legend:
(a) = actual; (s) = standard; (o) = optional

| | | |
|----------------------|--|-----------------|
| - Type | 49 ENU-100-00H; Diesel / Hydraulic | |
| - Diesel Motor, Type | a) DEUTZ TCD 5.2 L4 (EU + US) - (s) | |
| - Emission control | a) Tier 4f; EU STAGE V; DOC / SCR / DPF | |
| - Power ISO 14396 | a) 170 kW @ 1.800 - 2.300 U/min | (231 hp) |
| - Max. torque | a) 950 Nm @ 1.500 U/min | (700 lb ft) |
| - Motor revolution | 1.500 - 2.300 U/min (Standard: 2.300 1/min) | |
| - Bore hole / stroke | a) 110 x 136 mm; | (4,33" x 5,36") |
| - Combustion chamber | a) 5.200 cm ³ | (317 cuin) |
| - Diesel consumption | a) 196 g/kWh @ 1.500 1/min, typical 15 - 20 l/h **) | |
| - Voltage | 24 Volt (for improved cold start properties) | |
| - Cooling | Combi cooler (water, air) with fan ø 670 mm, can be cleaned in a good and easy way; The cover can be swivelled out. | |
| - Fuel | 580 Litre; Code acc. to EN 590 | (153 gal) |
| - Air filter | Cyclon pre filter + Oil bath filter + dual stage fine filter | |
| - Shredder drive | Diesel engine → axial piston pump → axial piston motor → planetary gear | |
| - Hydraulic oil tank | 106 Litre | (28 gal) |
| - Gear oil | 55 Litre | (15 gal) |

ATTENTION

*Engine warranty expires in case non genuine
Keestrack filters are used!*

With „Load sensing“ hydraulic pumps, the fuel consumption is reduced by ca. 20-25%, compared to standard gear pump and flow divider hydraulic systems.



TECHNICAL SPECIFICATION

6) CONTROL

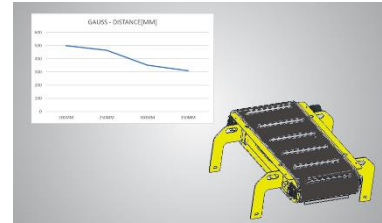
| | |
|--|---|
| Type | PLC – IP 67; dust and vibration proof |
| - Display | LCD screen 4,3" |
| - Operation | Control panel with key pad, 12 buttons |
| - Controller | Wired hand remote controller; or optional Radio remote controller (see option list) |
| - Temperature control of hydraulic oil | > 83° C protection; first feeder stops, later engine stops |
| - Diesel fuel tank level sensor | First low-level warning, then feeder stops, then engine stops |
| - Cold start protection | Below 0° C a warm-up is required |
| - Speed sensor for rotor | Included |



TECHNICAL SPECIFICATION - OPTIONS

7) MAGNETIC SEPARATOR

| | | |
|--------------------|--|----------------|
| - Belt width | 700 mm | (2'4") |
| - Belt length (AD) | 1.530 mm | (5') |
| - Magnet L x W | 700 x 700 x 215 mm | (2'4"x2'4"x8") |
| - Magnetic power | 500 GAUSS at 200 mm | |
| - Drive | Hydraulic motor 250 ccm | |
| - Speed | 2,0 m/s | |
| - Weight | 650 kg | (1.430 lb) |
| - Belt | Endless rubber belt KT Flex 400/1; 4+2,5; Grade RS; cleats vulcanized T 35 (40) mm | |



8) REMOTE CONTROL

| | |
|-------------|---|
| - Functions | - Tracks forwards / backwards; fast /slow |
| | - Feed hopper up / down |
| | - Shredder shafts start / stop and forward / backward |
| | - Machine stop button (blue) |
| | - Display |

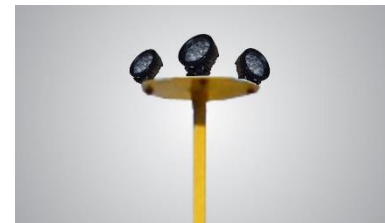
9) BUILT ON AFTER SCREEN

| | | |
|------------------------------------|-------------------------|--------------|
| - Width | 900 mm | (2'11") |
| - Length | 1000 mm | (3'3") |
| - Drive | Hydraulic motor 100 ccm | |
| - Openings | 50 mm | (2") |
| - Discharge conveyor fine fraction | BW 400 mm; AD 2000 mm | (1'4"; 6'7") |



10) WORKING LIGHTS

| | | |
|----------------------|--|---------|
| - Tower with 4 lamps | p/n 701006 LED lights 12/24 V; 45 W each lamp: 9 pcs. LED's (p/n 205147) 4500 Lumen | |
| - protection degree | IP69K | |
| - Weight | 9 kg | (20 lb) |



11) FUEL FILLING PUMP p/n 701030

| | | |
|-----------------------|-------------------------------------|---------|
| - with automatic stop | p/n 701030 | |
| - Weight | 10 kg | (22 lb) |
| - Model | F 80-24-1" | |
| - Capacity | 80 l/min | |
| - Filter | 3 micron with water absorbant media | |
| - Suction hose | ¾" 1,5 m long | |
| - Drive | On board-electric 24 V DC | |



SHREDDER