

## Specification of Langendorf Trailer

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**SKA 27/26-3-E (calculated figures for tipping trailer with Aluminium tipping box)**  
**similar to drawing n° :Sumitomo-10 A**  
**customer: Sumitomo Sekitan, offer n° 1072/11 A**

| Item                                                      | Unit          | Description                       |
|-----------------------------------------------------------|---------------|-----------------------------------|
| Name & Type of Trailer                                    |               | Langendorf SKA 27/26-3E           |
| Total length approx.                                      | mm            | 10.750                            |
| Total width approx.                                       | mm            | 2.490                             |
| Total height loaded approx.                               | mm            | 3.550                             |
| Total height in tipped condition approx.                  | mm            | 9.200                             |
| Tipping cylinder                                          | CS 17-5       | low pressure, non chromium plated |
| Tipping cylinder stroke                                   | mm            | 6.233                             |
| Tipping angle approx.                                     | degree        | 41                                |
| Wheel base                                                | mm            | 4.970 + 1.310 + 1.310 = 7.590     |
| Distance between kingpin and rear edge of vehicle approx. | mm            | 9.220                             |
| Front overhang approx.                                    | mm            | 1.180                             |
| Rear overhang approx.                                     | mm            | 1.630                             |
| Track width                                               | mm            | 2.040                             |
| Loading area                                              | Length        | mm 9.100                          |
|                                                           | Width         | mm 2.200                          |
|                                                           | Height        | mm 1.700/1.900                    |
|                                                           | Inside volume | m³ 36,0                           |
| Specific weight of cargo                                  | t/m³          |                                   |
| Weight of trailer approx.                                 | Kingpin       | kg 2.030                          |
|                                                           | Rear axles    | kg 5.450                          |
|                                                           | Total         | kg 7.480                          |
| Max. payload approx.                                      | kg            | 25.550                            |
| Perm. total weight of trailer approx.                     | Kingpin       | kg 10.000                         |
|                                                           | Rear axles    | kg 27.000                         |
|                                                           | Total         | kg 33.000                         |
| Tech. design weight of rear axles                         | kg            | 3 x 9.000 = total 27.000          |
| Tyres                                                     |               | 385/65 R 22.5                     |
| Tyres brand                                               |               | Goodyear                          |
| Height of semitrailer long members at front               | mm            | 280                               |
| Truck head e.g.                                           |               | 3 axles                           |
| Rear turning circle of truck                              | mm            | 1.910                             |
| Fifth wheel height of truck loaded                        | mm            | 1.210                             |

