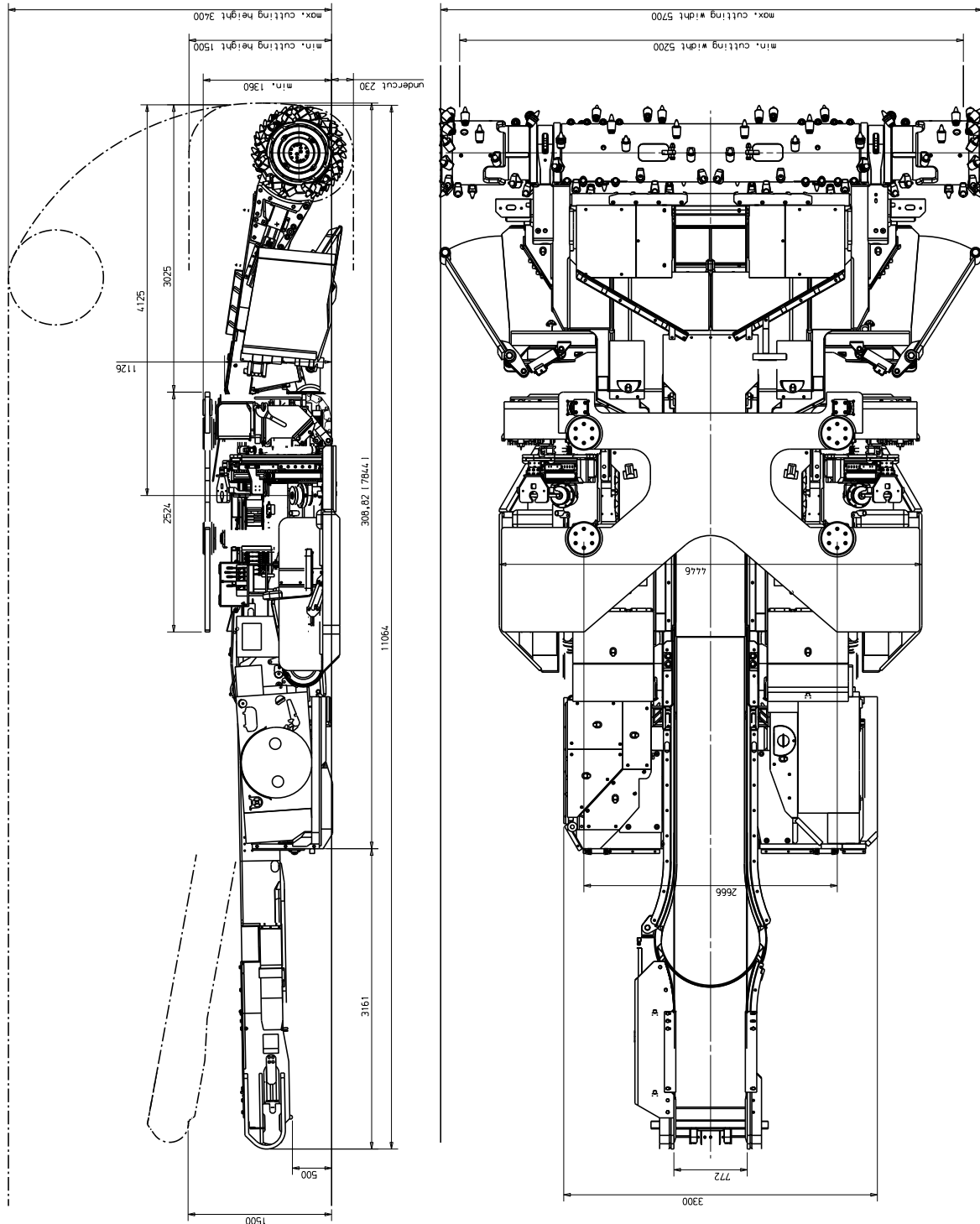


# **Sandvik Bolter Miner MB270 (SANS approved)**



# Sandvik Bolter Miner MB270 (SANS approved)

## Machine Layout



# Sandvik Bolter Miner

## MB270 (SANS approved)

### Technical data

#### Main Dimensions

|   |      |      |
|---|------|------|
| Total length, approx.                           | [m]  | 11.0 |
| Total width for transport ,approx.              | [m]  | 3.3  |
| Total height for transport ,approx.             | [m]  | 1.4  |
| Total weight, approx.                           | [mt] | 76   |
| Total height in operation dep. on ATRS, approx. | [mm] | 1400 |
| Width of the main frame max.                    | [mm] | 3300 |
| Ground clearance                                | [mm] | 230  |

#### Cutter System - Widehead Drum Miner

|   |         |              |
|---|---------|--------------|
| Working height                                  | [mm]    | 1500 - 3400  |
| Working width                                   | [mm]    | 5200 to 5700 |
| Drum retraction, hydraulically operated, approx | [mm]    | 250          |
| Drum diameter                                   | [mm]    | 1000         |
| Drum speed                                      | [rpm]   | 42           |
| Cutting speed                                   | [m/sec] | 2.2          |
| Sump distance                                   | [mm]    | 1400         |
| Pick spacing                                    | [in]    | 3            |
| Installed power                                 | [kW]    | 2 x 132      |

#### Bolting System

|   |          |           |
|---|----------|-----------|
| Distance roof support to face (approximate) | [mm]     | 3025      |
| Distance drill rig to face (approximate)    | [mm]     | 4125      |
| No. of bolts/cycle                          |          | 2         |
| Drilling, dry drilling                      | Rotating |           |
| Tightening torque                           | [Nm]     | 270 - 380 |
| Drilling thrust, approximate                | [kN]     | 30        |
| Spacing of bolters                          | [mm]     | 2670      |

#### Support Canopy ( ATRS )

|  |      |         |
|--|------|---------|
| Total force supplied to the roof: variable | [kN] | 4 x 110 |
|--|------|---------|

#### Loading Device W/2 Conventional Spinners

|   |          |     |
|---|----------|-----|
| Loading capacity                              | [mt/min] | 20  |
| Loading width as per cutter unit              | [m]      | 5.7 |
| Installed power (electric)                    | [kW]     | 100 |
| Retraction each side                          | [mm]     | 540 |
| Position of loading device above ground level | [mm]     | 350 |



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### Technical data

|   |                      |             |
|---|----------------------|-------------|
| Position of loading device below ground level | [mm]                 | 100         |
| <b>Conveyor Unit</b>                          |                      |             |
| Conveyor, length approx.                      | [mm]                 | 8380        |
| Conveyor, width                               | [mm]                 | 772         |
| Conveyor chain speed                          | [m/sec]              | 2.2         |
| Conveyor capacity                             | [mt/min]             | 20          |
| Conveyor overhang                             | [mm]                 | 3160        |
| Discharge height from floor level, (min)      | [mm]                 | 500         |
| Discharge height from floor level, (max)      | [mm]                 | 1500        |
| Heavy duty chain                              | [mm]                 | 76.2        |
| <b>Track System</b>                           |                      |             |
| Tram, 3 speeds                                | [m/min]              | 5 to 17     |
| Ground clearance                              | [mm]                 | 230         |
| Ground pressure                               | [N/cm <sup>2</sup> ] | 28          |
| Width of track chain                          | [mm]                 | 530         |
| <b>Dust Suppression System</b>                |                      |             |
| Dust collection on board                      |                      | No          |
| Water spray system                            |                      | Yes         |
| <b>Hydraulic System</b>                       |                      |             |
| Power   | [kW]                 | 132         |
| Pressure, max.                                | [bar]                | 250         |
| Cooling System                                |                      |             |
| Open cooling system                           |                      | Yes         |
| <b>Electrical System</b>                      |                      |             |
| Electric potential                            | [V]/[Hz]/[A]         | 1000/50/425 |
| Total installed power                         | [kW]                 | 496         |
| Cutter drive                                  | [kW]                 | 2 x 132     |
| Hydraulic drive                               | [kW]                 | 132         |
| Loader and conveyor drive                     | [kW]                 | 100         |
| Radio remote control                          |                      | Yes         |



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## Cutting Profile

