

# SCALEMIN HT

## Rock Scaler

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Scalemin HT is a hydraulic diesel scaler machine for underground mining, with a 8.6 m maximum height.

Electricity is not required for operation.

It has a telescopic arm, equipped with a SB 202T / SC 28 hydraulic rock breaker special for rock scaler, easy maintenance and durable parts.

Chassis for heavy duty, articulated 4WD , self propelled with diesel engine, with central articulation and oscillating rear axle.

Also equipped with a FOPS / ROPS Certified A/C enclosed cabin.

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## SPECIFICATIONS



### HYDRAULIC ROCK BREAKER

|                              |                          |
|------------------------------|--------------------------|
| • Model                      | SB 202T                  |
| • Percussion power           | 13 kW                    |
| • Percussion pressure (máx.) | 100 - 110 bar            |
| • Frequency                  | 1250 - 1700 bpm          |
| • Air flow range             | 0.73 m <sup>3</sup> /min |
| • Air pressure               | 2 bar                    |
| • Oil flow range             | 40 - 70 l/min            |
| • Weight                     | 200 kg                   |

#### OPTION

|                              |               |
|------------------------------|---------------|
| • Model                      | SC 28         |
| • Percussion power           | 15 kW         |
| • Percussion pressure (máx.) | 120 bar       |
| • Frequency                  | 1420 bpm      |
| • Oil flow range             | 40 - 75 l/min |
| • Weight                     | 275 kg        |

### TELESCOPIC ARM

|                         |            |
|-------------------------|------------|
| • Model                 | ST-7.1     |
| • Lift angle            | -8° / +60° |
| • Swing angle           | ±38°       |
| • Arm extension (1)     | 1550 mm    |
| • Arm extension (2)     | 1400 mm    |
| • Max. vertical reach   | 8.63 m     |
| • Max. horizontal reach | 7.76 m     |
| • Swing (SB 202)        | 120°       |
| • Tilt (SB 202)         | 101°       |

### HYDRAULIC CONTROL SYSTEM

|                                          |                    |
|------------------------------------------|--------------------|
| • Direct control valve                   | Parker, VPL        |
| • Percussion pump (compensated pressure) | Rexroth A10VO71    |
| • Working pressure                       | 180 bar            |
| • Double pump                            | CAT                |
| • Hydraulic oil tank                     | 36.9 gal / 140 l   |
| • Hydraulic return filter                | Parker, 10μ        |
| • Hydraulic high filter                  | Parker, 10μ        |
| • Tropical cooler                        | Parker, BOL-30-2-9 |
| • Saturation hydraulic filter indicator  | Parker             |
| • Indicator of low oil                   | Hydac              |
| • Indicator temperature oil              | Hydac              |

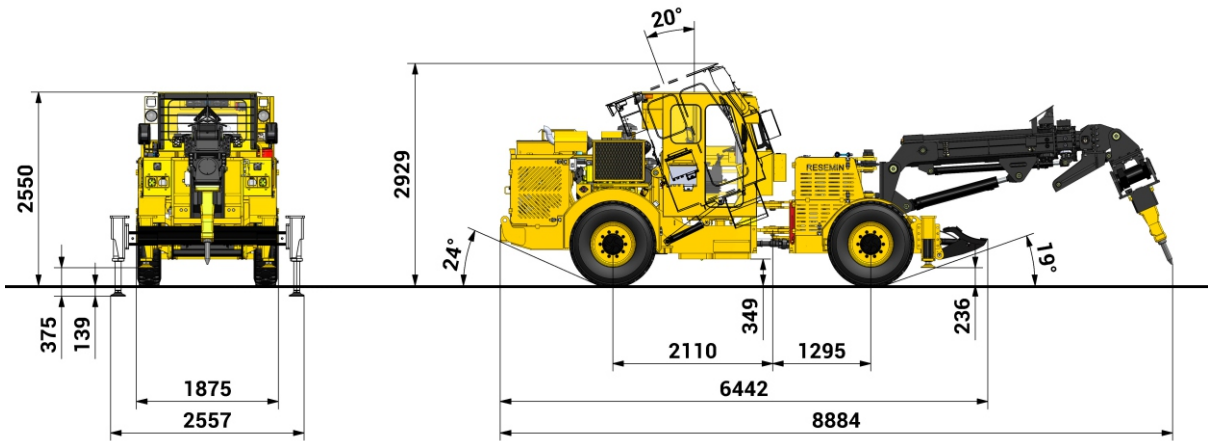
### CARRIER

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| • Model                             | D57.1                                   |
| • Diesel engine                     | Caterpillar C4.4 ACERT, Tier 3          |
| - Power                             | 106 kW @ 2200 rpm                       |
| • Transmission                      | Hydrodynamics                           |
| • Powershift gearbox                | Dana, T12000                            |
| • Differential axle                 | Dana, Series 112                        |
| • Rear axle oscillating             | ± 8°                                    |
| • Trimming speed:                   |                                         |
| - Horizontal                        | max. 15 km/h                            |
| - Positive ramp 15%                 | max. 4.5 km/h                           |
| • Service brakes                    | Wet discs, POSI STOP                    |
| • Emergency and parking brakes      | SAHR (Spring Applied Hydraulic Release) |
| • Steering (articulated carrier)    | ±40°                                    |
| • Tyres                             | 12 x R20                                |
| • Hydraulic jack                    | 2 front                                 |
| • Operator Cabin                    | A/C Enclosed cabin                      |
|                                     | 360° Video camera                       |
|                                     | FOPS / ROPS certification               |
|                                     | inclination 20°                         |
| • Fuel tank                         | 25 gal / 95 l                           |
| • Battery                           | 2x12 V, 90 Ah                           |
| • Electric system                   | 24 VDC                                  |
| • Trimming lights                   | 8X, LED 26W, 10.5 - 32 VDC              |
| • Automatic fire suppression system | ANSUL, 4 nozzles                        |
| • Fire extinguisher                 | 1x5 lb, Type ABC                        |
| • High-pressure washing system      | Manual                                  |
| • Reel grease gun                   | Manual                                  |
| • Front shovel                      | Dozer                                   |

### WATER AND AIR SYSTEM

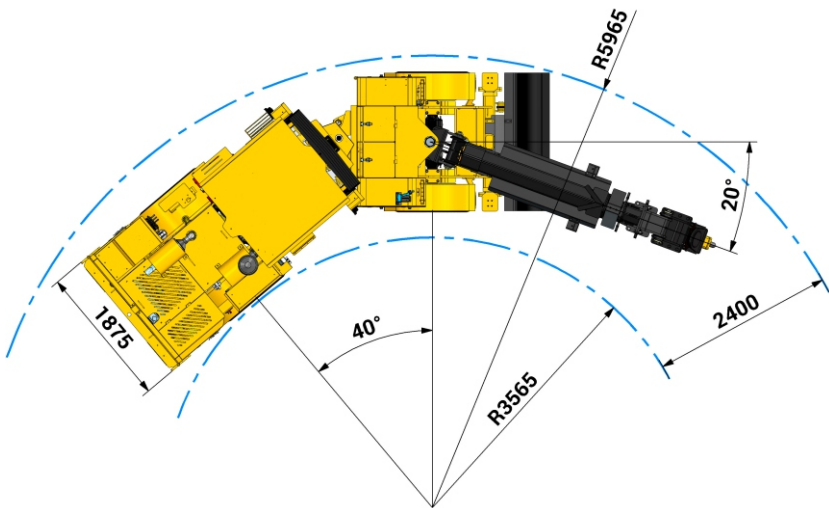
|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| • Compressor                      | LE 3-10 UV                              |
| • Maximum capacity                | 5.1 l/s (10.8 cfm)                      |
| • Working pressure                | 10 bar                                  |
| • Water pump with hydraulic motor | Grundfos, CR1 - 6                       |
| • Maximum flow                    | 2.18 m <sup>3</sup> /h (36 l/m)@3480rpm |
| • Minimum inlet pressure          | 2 bar                                   |
| • Water tank                      | 100 l                                   |

DIMENSIONS



Total Weight  
14,540 kg

TURNING RADIUS



COVERAGE AREA

