MINI EXCAVATOR

**Specifications**
- Operating weight: 1220 kg
- Engine power: 9.2 kW (12.5 hp)
- Bucket capacity: 10 - 80 l
- Dig depth: 1.95 m
- Reach: 3.27 m

**Features**
- Zero-tail version
- Telescopic undercarriage (830-1000 mm)
- Simple folding extendable blade for dozer applications
- ROPS protection bar w/ 2 vertical support members, foldable rearwards, allowing the machine to travel under low overhead heights
- Boom adjustable by 50° to the left, 90° to the right, enables excavation directly in front of walls
- Wide range of proven work attachments
ENGINE
Manufacturer, model: Yanmar, SYL107-G 480RV
Type: 3-cylinder diesel engine, fully compliant with Stage II emissions regulations of the US Environmental Protection Agency (EPA)
Combustion: 4-stroke, own chamber injection
Displacement: 755 cm³
Power rating acc. to DIN 60299 at 2000 min⁻¹: 19.5 kW (26.5 hp)
Torque max. @ 1900 rpm: 51 Nm
Cooling system: Water

ELECTRICAL SYSTEM
Operating voltage: 12 V

TRANSMISSION
Hydraulic travel drive, fully enclosed.
Travel speed, forward and reverse: 0 – 2.0 km/h
Gaduability: 30 deg., max.

UNDERCARRIAGE
Maintenance-free crawler-type undercarriages. Hydraulically retractable/extendable undercarriages provided as standard.
Width (outside edge of crawler chains): 830 / 1000 mm
Width (rubber tracks): 180 mm
Total length (undercarriage): 1440 mm

DOZER BLADE
Independent control of drive train, sensitive control via separate hand levers. Cylinder protection as standard.
Retractable/extendable. 
Ditch cut below ground: 230 mm
Ditch lift above ground: 210 mm

STEERING
Independent, individual control of crawler chains, also countersteer. Sensitive control via hand levers, pedal console serving as foot rest.

SWING SYSTEM
Hydraulic drive, also as wear-resistant tracks. Internally toothed ring gear.
Swing speed: 0 – 1.0 km/h

KNICKMATIK®
Lateral parallel adjustment of boom arrangement at full fall depth.
Angle of articulation / lateral adjustment left: 50 deg. / 200 mm
Angle of articulation / lateral adjustment right: 50 deg. / 200 mm

FLUID CAPACITIES
Fuel tank: 121 l
Hydraulic system: 143 l
Cooling system: 2.5 l

OPERATING DATA, STANDARD EQUIPMENT
Transport weight: 1650 kg
Operating weight (with 2 support members, foldable): 1220 kg
Total length (travel position): 2270 mm
Total width (travel position): 1360 mm
Total height (travel position): 1420 mm
Total width: 660 / 1600 mm
Undercarriage track length: 650 mm
Undercarriage framing: 1800 mm
Working envelope: 1730 / 2700 mm
Ground clearance: 100 mm
Ground pressure (rubber crawlers): 2.0 bar

HYDRAULIC SYSTEM
Pump capacity: 2 x 10 l/min

OPERATOR’S STAND
2 vertical support members, foldable, ROPS protective frame.
Operator's seat with artificial leather covering, seat belt.

LIFTING CAPACITIES

<table>
<thead>
<tr>
<th>Bucket hinge height</th>
<th>1.5 m</th>
<th>2.0 m</th>
<th>2.5 m</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0 m</td>
<td>UR</td>
<td>UE</td>
<td>UR</td>
<td>UE</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>0.5 m</td>
<td>555</td>
<td>585</td>
<td>605</td>
<td>655</td>
</tr>
<tr>
<td>1.0 m</td>
<td>880</td>
<td>990</td>
<td>1050</td>
<td>1150</td>
</tr>
<tr>
<td>1.5 m</td>
<td>365</td>
<td>395</td>
<td>405</td>
<td>455</td>
</tr>
<tr>
<td>2.0 m</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

The data contained in this table represent the lifting capacity in accordance with DIN 18026. They correspond to 75% of the maximum static tipping load at 87% of the hydraulic lifting power. All values were determined with the bucket mounted. Data marked * are the hydraulic limits of the lifting power.

Working equipment: Rubber crawlers. Bucket hinge height 1800 mm.

Abbreviations: UR = Undercarriage retracted, UE = Undercarriage extended

\* Tipping load, rating over front

\* Tipping load, rating over side 90°
### WORK ATTACHMENTS

#### BUCKETS

<table>
<thead>
<tr>
<th>Description</th>
<th>Width</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket, QAS</td>
<td>200 mm</td>
<td>10 l</td>
</tr>
<tr>
<td>Tieflöffel, Direktanbau</td>
<td>200 mm</td>
<td>10 l</td>
</tr>
<tr>
<td>Bucket, QAS</td>
<td>250 mm</td>
<td>15 l</td>
</tr>
<tr>
<td>Tieflöffel, Direktanbau</td>
<td>250 mm</td>
<td>15 l</td>
</tr>
<tr>
<td>Bucket, QAS</td>
<td>300 mm</td>
<td>18 l</td>
</tr>
<tr>
<td>Tieflöffel, Direktanbau</td>
<td>300 mm</td>
<td>18 l</td>
</tr>
<tr>
<td>Bucket, QAS</td>
<td>350 mm</td>
<td>21 l</td>
</tr>
<tr>
<td>Tieflöffel, Direktanbau</td>
<td>350 mm</td>
<td>21 l</td>
</tr>
<tr>
<td>Bucket, QAS</td>
<td>400 mm</td>
<td>25 l</td>
</tr>
<tr>
<td>Tieflöffel, Direktanbau</td>
<td>400 mm</td>
<td>25 l</td>
</tr>
<tr>
<td>Bucket, QAS</td>
<td>500 mm</td>
<td>32 l</td>
</tr>
<tr>
<td>Tieflöffel, Direktanbau</td>
<td>500 mm</td>
<td>32 l</td>
</tr>
<tr>
<td>Ditch-cleaning bucket, QAS</td>
<td>700 mm</td>
<td>26 l</td>
</tr>
<tr>
<td>Grabenräumlöffel, Direktanbau</td>
<td>700 mm</td>
<td>26 l</td>
</tr>
<tr>
<td>Ditch-cleaning bucket, QAS</td>
<td>800 mm</td>
<td>30 l</td>
</tr>
<tr>
<td>Swing bucket, QAS</td>
<td>1000 mm</td>
<td>70 l</td>
</tr>
<tr>
<td>Trapezoïdal bucket</td>
<td>200 mm</td>
<td>89 l</td>
</tr>
</tbody>
</table>

### OPTIONAL EQUIPMENT

#### OPERATOR’S STAND

- Trackunit ME401 with GPS anti-theft device. With Dallas key (without subscription)
- Seat raiser
- Documentation box

#### HYDRAULIC SYSTEM

- Biodegradable hydraulic oil, standard
- Biodegradable hydraulic oil / ester-based HLP 68 (Panolin)
- Open return
- Add. control circuit
- Push Pull - Flat face - Hydr. connectors, specially for breaker fitting (to order only with hammer)

### OTHER WORK ATTACHMENTS

- Hydraulic hammer
- Further work attachments available on request

### OTHER OPTIONAL EQUIPMENT

- Mechanical quick-attach system (QAS)
- Special paint
- Further optional equipment available on request

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YM 2017 - All figures and data can differ from the standard design. Subject to change without notice.