**S 20**

**Truck-mounted concrete pump**

- **Vertical reach**: 19.5 m (64 ft)
- **Concrete output max.**: 111 m/h
- **Pressure on concrete max.**: 108 bar
- **Operating weight**: 18 t (39,700 lb)

**Mercedes Benz Arocs 1833 4x2**

Support width less than 2.50 m with delivery line DN 100
The truck-mounted concrete pump S 20
Full operational capability under 18 tons

The smaller the truck-mounted concrete pump, the greater the variety of its uses. It can be downtown in the morning, in a new suburban area in the afternoon and in a production hall in the evening. With such diverse uses, the equipment and accessories required of such a taxi pump are also wide-ranging. At the same time it must be compact and flexible. Just as the S 20 from SCHWING is.

Mounted on a dual axle chassis, its operating weight with a full tank (290 l fuel, 400 l water and 60 l AdBlue/DEH) is only around 17.2 tons. With a permissible total weight of 18.0 tons, more than 800 kg is therefore available as a vehicle load capacity reserve. The S 20 thus combines a low operating weight with compact dimensions, while at the same time providing full operational capability. The pipeline DN 100 on the boom used for this equipment variant provides another key advantage due to its low weight: when placing concrete via the boom, the S 20 must only be supported vertically, even at the front. The machine is therefore only as wide as a truck-mixer whilst fully supported, which means that it can be used in locations that other concrete pumps just cannot be set up in. And when placing concrete next to traffic routes, the passing traffic is not disturbed by any extended outriggers.

The operational capability and flexibility of the S 20 is matched only by its outstanding efficiency, whether when placing concrete with the boom or when using hoses, as is more common in this machine class. Thanks to the open dual circuit hydraulic system with MPS, the ROCK valve switches over quickly and forcefully, even for low stroke rates or demanding concrete mixtures. The very low maintenance costs, the high resale value and the excellent fuel efficiency of the S 20 mean more profit per m³ of pumped concrete. Useful options such as the rotating outlet and an additional storage box for hoses increase the efficiency and ease of operation even more.

The S 20 truck-mounted concrete pump from SCHWING. An investment that pays off.

**Weight balance**

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chassis frame incl. operator</td>
<td>7,100</td>
</tr>
<tr>
<td>Concrete pump unit</td>
<td>9,350</td>
</tr>
<tr>
<td>Diesel (290 l)</td>
<td>245</td>
</tr>
<tr>
<td>AdBlue / DEF (60 l)</td>
<td>65</td>
</tr>
<tr>
<td>Water (400 l)</td>
<td>400</td>
</tr>
<tr>
<td>Total weight*</td>
<td>17,160</td>
</tr>
<tr>
<td>Permissible total weight</td>
<td>18,000</td>
</tr>
<tr>
<td>Load capacity**(hoses, couplings, reductions, accessories, etc.)</td>
<td>840</td>
</tr>
</tbody>
</table>

*Weight specifications when completely assembled / ready for operation according to DIN 70020, deviation +/- 5%

**Weight example: hose DN 65 5.00 m = 25 kg; hose DN 65 3.00 m = 18 kg

**Chassis features**

- Mercedes-benz Arocs 1833 4x2
- Motor OM470, R6, 10.7 l, 240 kW (326 PS), 1,700 Nm
- Emission stage: EURO 6
- Wheelbase 4,500 mm
- Weight variant 18.0 t (7.5 / 11.5)
- Tires 315/70 R22.5
- Aluminium fuel tank 290 l
- AdBlue / DEF tank 60 l
- M operator’s cab
- ABS and ASR
- Mercedes Powershift 3
- Spare wheel

**Pump equipment**

- S 20
- P2020-3-120/80 (hydr. drive 380l/min), 2-circuit hydraulics with MPS
- M-ROCK
- Super 2000 pipes DN 100
- Front/rear vertical outriggers
- Remote control SC 30
- Vibrator
- Water pump with hose reel
- Water tank 400 l
- Water tank filling through C-connection
- High-pressure cleaner with 14 m hose and automatic hose reel
- Concrete shut-off valve
- Lateral side protection, both sides
- Stowing box for 20 x DN 65 5.00 m and stowing box for 16 x DN 65 3.00 m
- Outlet DN 125
- Loading box for couplings
Advantages of the S 20 with boom delivery line DN 100:
- Higher load capacity due to a lighter delivery line
- The support width is the same as the vehicle width because the front and rear outriggers are extended only vertically, which widens the possible applications.

Advantages of the S 20 with boom delivery line DN 125:
- Reduced wear when pumping via the boom
- Simple pumping of concrete with a larger aggregate size

Options

- Rotating outlet (for pumping with hoses)
- High pressure cleaner
- 5 m storage box on the left
- 3 m storage box on the right
Subject to technical and dimensional modifications. Illustrations are non-binding. The exact standard specification, the scope of delivery and the technical data are detailed in the offer.