

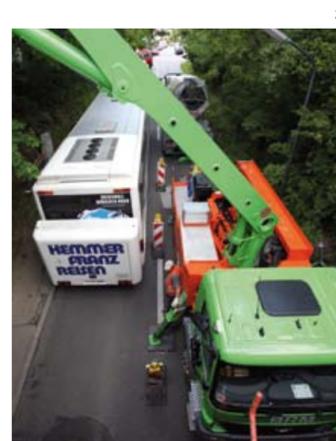
# No room on site for a concrete pump? Then the M 20-4 is perfect for the job!

## A support area barely larger than the truck surface area

Small support areas are the big advantage of the M 20-4: with an area of only 3.4 m at the front and just 2.6 m at the rear, the machine can be fully supported on a surface no bigger than the area taken up by the truck with the driver's door open. This allows an almost unrestricted flow of traffic, even in cramped situations. And the M 20-4 can operate on construction sites that are inaccessible for larger truck-mounted concrete pumps.



The small support area is a great advantage in narrow passageways



M 20-4: fully supported and still no obstruction to traffic



## A flexible 4-arm boom with a long reach and many possible uses

Four short, flexible arms in a Z roll and fold system provide maximum flexibility during use. The M 20-4 shows off its strengths particularly when concreting low buildings and tunnels, but also when reaching into the higher storeys of a building. Its unfolding height is less than 4 m.

The boom is equipped with a DN 125 / 5.5" delivery line.



The flexible Z roll and fold 4-arm boom is able to access the smallest of openings in a building without the slightest effort. With hose extensions – attached to the boom end or directly onto the hopper outlet – the M 20-4 is the master of renovation work. (Illustrations show some optional equipment.)



## The versatile champion on the road

On the road, the M 20-4 always cuts a fine figure: thanks to a 2-axis chassis with a small wheel base (min. 4,200 mm on MB Axor 1828) it is safe and agile as it drives through the densest of traffic. Ideal for narrow roads and closely spaced buildings in inner cities. Wherever a truck mixer goes, the M 20-4 is able to follow. Furthermore, its low truck height of 3.4 m makes driving under bridges and underpasses easy.



## RS 600 Hopper

- hopper and hopper cover are easily accessible
- easy to clean
- hinged and pivotable 90° delivery line bend
- pipelines can be easily connected, on both the right and the left

# Unbeatable with state of the art equipment: Optional accessories for the M 20-4

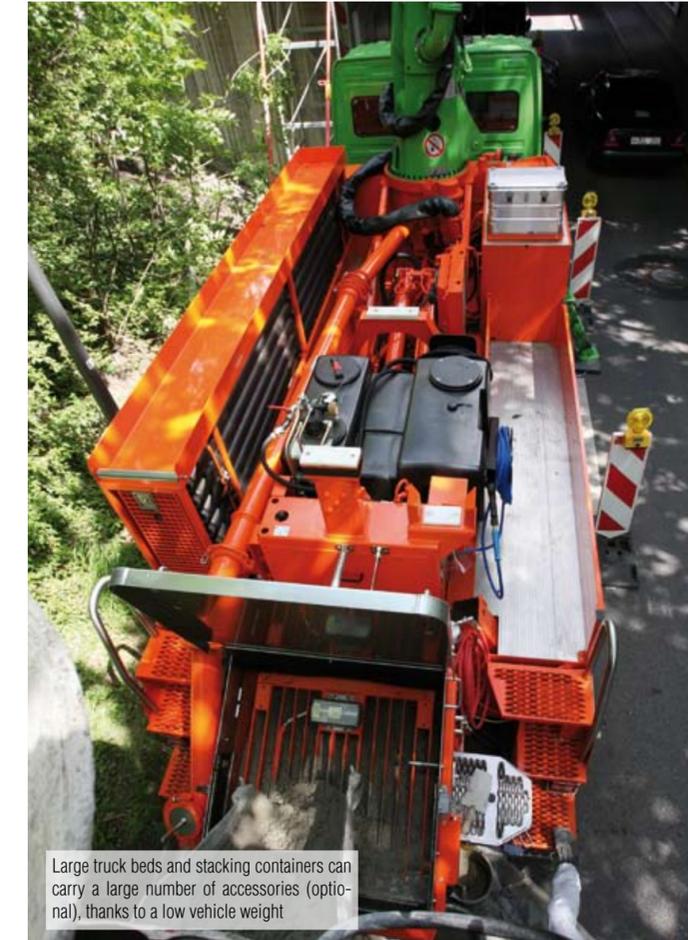
## Equipped with enough accessories on board for every situation

The M 20-4 can carry many accessories, thanks to high weight reserves. It is therefore also ideal for hose delivery.

You can fit out the M 20-4 even further with the „Sanima Kit“. For more information, see brochure BP 3885.

## Optional equipment for the M 20-4:

- larger RS 900 hopper with hinged 90° delivery line bend
- hose magazine on the left side for 21 DN 65 - 4.5 m hoses
- storage tray on the left side, 5 m long
- stainless steel mesh pallets on the left and right for couplings
- brackets for reduction from DN 125 to DN 65
- pipe carrier on the right side for 8 or 12 DN 125 or DN 100 pipes with aluminium tray



Large truck beds and stacking containers can carry a large number of accessories (optional), thanks to a low vehicle weight



Illustration shows optional equipment

# Ergonic® Systems

The technical advantage for greater economy

Greater efficiency, lower costs, increased flexibility – these are the results that Putzmeister concrete pumps with Ergonic® systems can achieve in practice. Being ready for use more quickly, achieving increased placing performance, being fuel efficient and working with little wear and tear are important economic factors general-

ly, and not just for machine and pump operators. Construction site managers have also been convinced by the potential of Ergonic®: the construction site is running more efficiently and Putzmeister pumps with Ergonic® are simply set up to place concrete in a shorter time. Ergonic® systems are microprocessor-assisted control systems for the control, regulat-



# Truck-mounted concrete pump M 20-4



The small machine with great capabilities

### EBC – Ergonic® Boom Control

(optional) controls and regulates concrete placing booms. EBC enables a higher placement rate, reinforces occupational safety on the construction site and makes boom operation easier. EBC includes functions such as the damping of boom vibrations, the horizontal extension of the end hose at a constant height, or the specification of a working area (upper/lower limits).

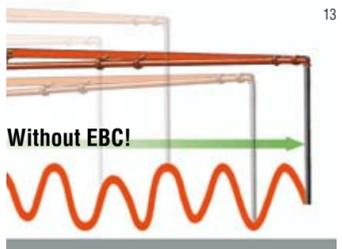
### EPS - Ergonic® Pump System

constantly monitors and regulates the operation of the concrete pump and the truck engine. Pump data, such as delivery pressure, delivery rate of the hydraulic pump, hydraulic pressure and many other signals, is actively and perfectly co-ordinated. This means maximum productivity and performance with minimum intervention from the operator.

ion and monitoring of concrete pumps and booms. Further information about Ergonic® systems can be found in our brochure BP 3763 GB.



The clear display on the remote control provides up-to-date feedback and system information about the machine. Various parameters can be set here. The strength of the radio signal and charge status of the battery is indicated via bars.



Without EBC: Stop-start movements when the boom is moved and slewed and pump pulsations cause various degrees of deflection in the end hose.



The EGD (Ergonic® Graphic Display) shows important information about the machine.



With EBC: EBC reduces the vertical movement of the boom to about 1/3 and also damps the deflection of the end hose in all directions.



Pump pressure and power can be very easily and quickly set to the respective requirements – this is important e.g. for renovation work

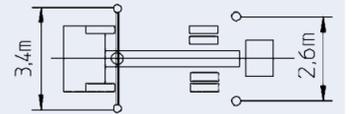
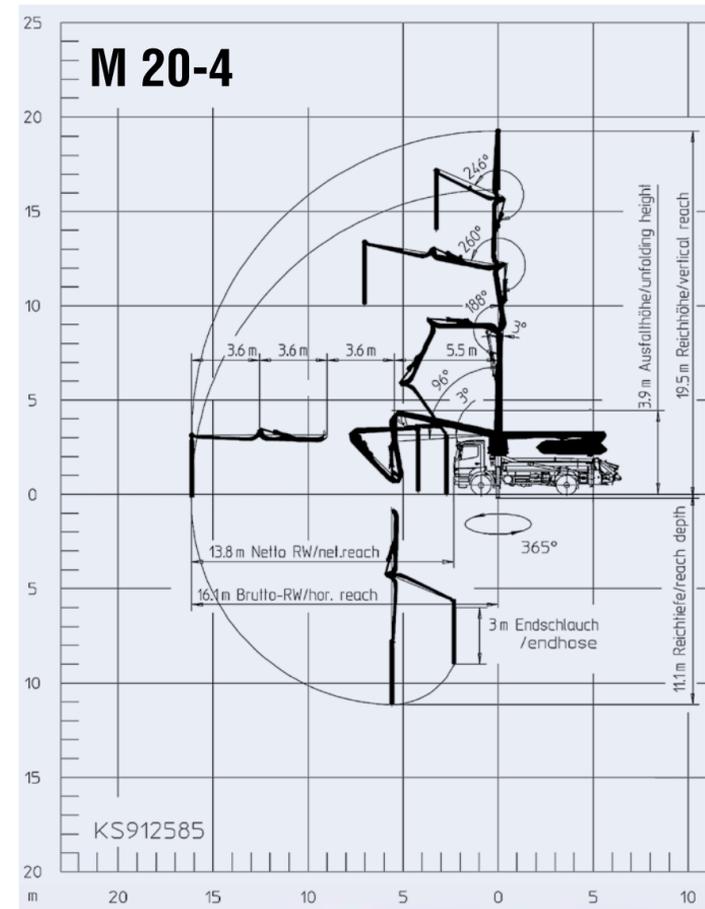
### EOC – Ergonic® Output Control

ensures fuel-efficient operation of the concrete pump. It automatically regulates the ideal engine speed with the lowest consumption, wear and noise.

The EOC function is integrated in the EPS (Ergonic® Pump System).



You can set the delivery rate of your pump using just one rotary knob on the remote control. The EOC automatically controls the speed, avoiding the range which is unfavourable for the respective engine.



**Technical data**

**Boom M 20-4**

Folding type	4-section-roll-Z-folding (RZ)
Vertical reach	19.5 m
Horizontal reach	16.1 m gross
Reach depth	11.1 m
Unfolding height	3.9 m
Length end hose	3 m (optional 4 m)
Delivery line	
DN 125 / 5,5 "	max. 85 bar
Slewing range	365°
Support width front	3.4 m
rear	2.6 m
Vehicle overall length	8.8 m

**Pump BSF .09 H**

Output	90 m³/h
Concrete pressure	78 bar
Delivery cyl.-Ø /-stroke	230/1400 mm
Strokes/min	26

All values max. theoretical.

