

DR. BENDER GmbH

Innovative electric tools



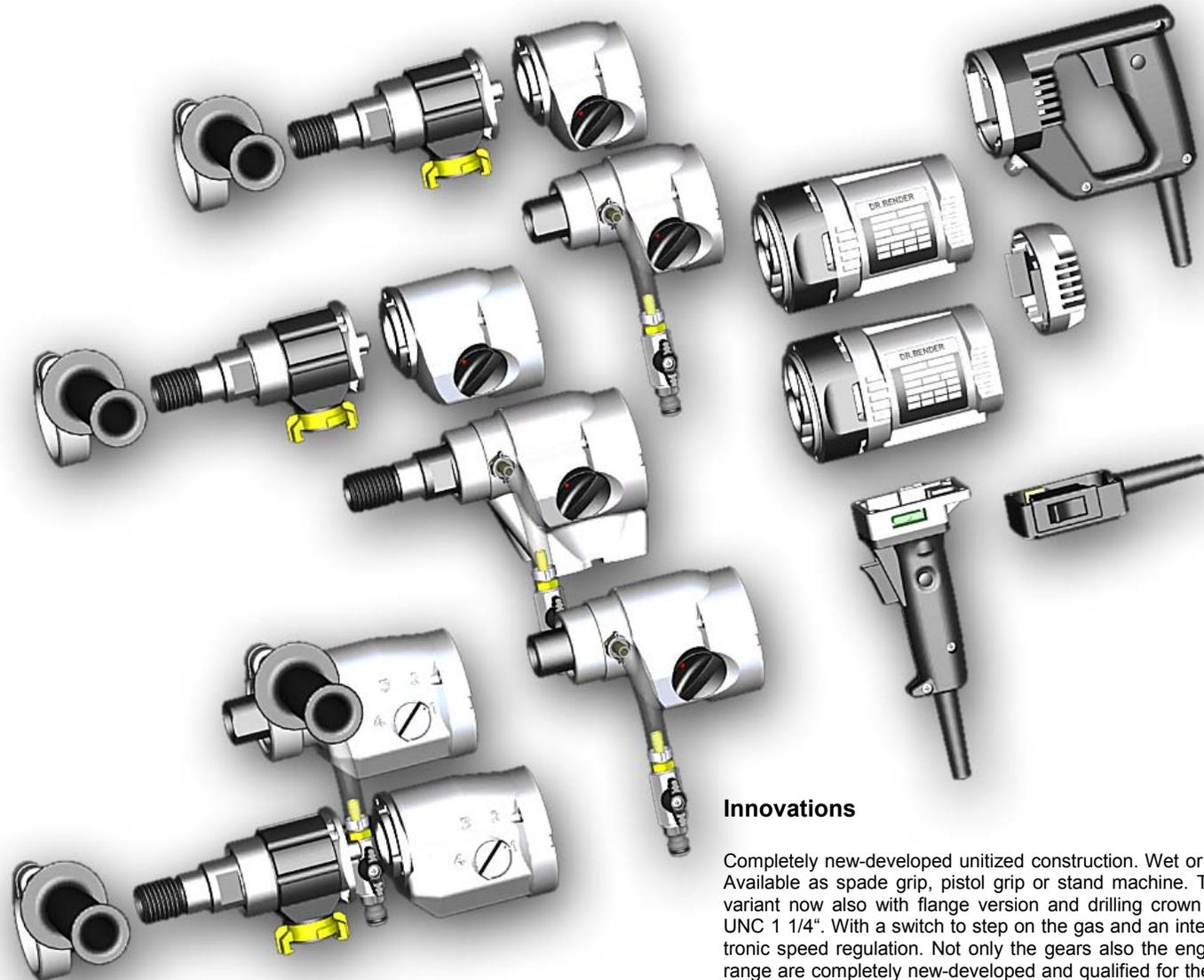
Industriestraße 22
D-75382 Althengstett bei Calw
Phone 0049 – (0) 70 51/92 91-0
Fax 0049 – (0) 70 51/92 91-91

Engines:

1500W - 7A - 230V
1500W - 13A - 110V
1800W - 9A - 230V
1800W - 18A - 110V
2300W - 10,5A - 230V
2300W - 21A - 110V

Gears:

1-Gear
1500 min⁻¹ (1800W)
6500 min⁻¹ (1500W)
2-Gear
520/1400 min⁻¹ (1800W)
1100/2600 min⁻¹ (1800W)
245/700 min⁻¹ (2300W)
3-Gear
520/1400/2900 min⁻¹ (1800W)
1100/2600/5500 min⁻¹ (2300W)
450/1200/2500 min⁻¹ (2300W)
4-Gear
500/900/1400/2290 min⁻¹
900/1300/2200/3200 min⁻¹



Progress and Innovation
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EBM
Unitized Construction

Innovations

Completely new-developed unitized construction. Wet or dry drilling. Available as spade grip, pistol grip or stand machine. The 3-gears variant now also with flange version and drilling crown connection UNC 1 1/4". With a switch to step on the gas and an intelligent electronic speed regulation. Not only the gears also the engines of this range are completely new-developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.

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Innovative Elektrowerkzeuge



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Stability

Extremely sturdy 2- or 3-gears control gear with high efficiency. All gear variants are greased in oil bath.

Environmental compatibility

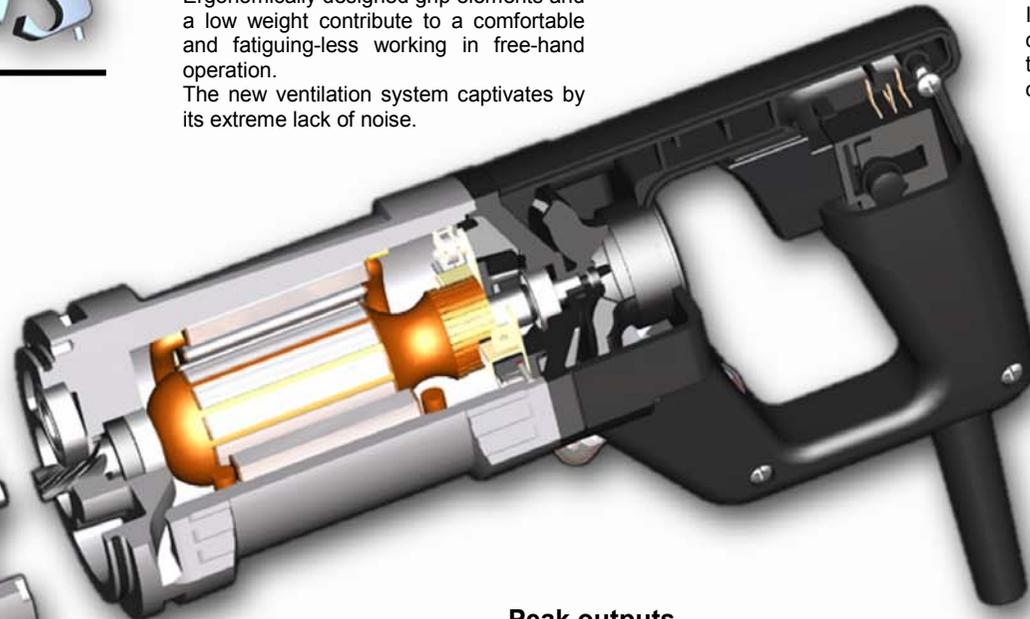
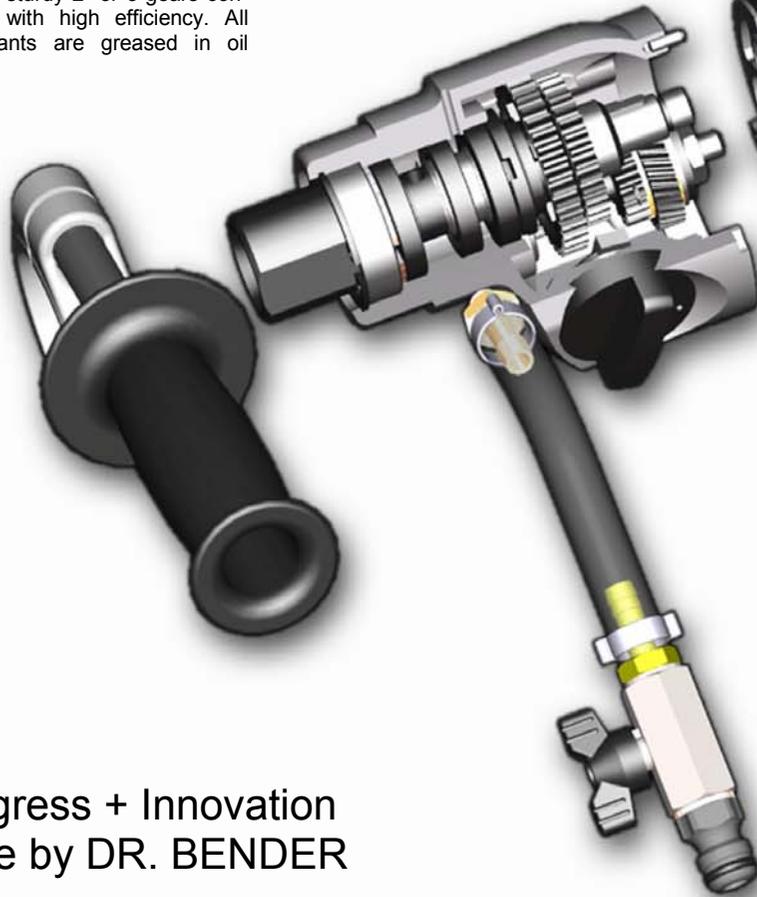
The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Operating comfort

Ergonomically designed grip elements and a low weight contribute to a comfortable and fatiguing-less working in free-hand operation. The new ventilation system captivates by its extreme lack of noise.

Safety

Innovative electronic overload protection system, providing the safety of man and machine.

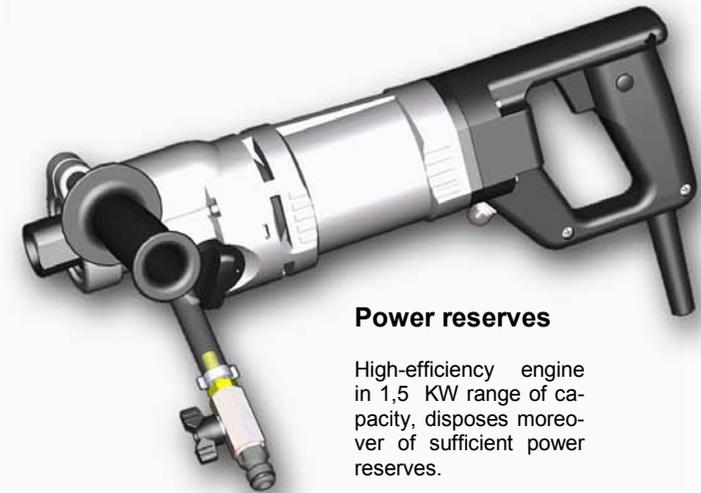


Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Innovations

Not only the gears also the engines of this range are completely new-developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned, the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.



Power reserves

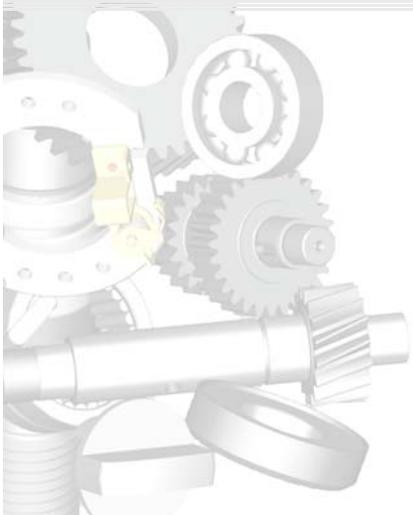
High-efficiency engine in 1,5 KW range of capacity, disposes moreover of sufficient power reserves.

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EBS

Technical data :

| Type | EBS 25 | EBS 35 | |
|-------------------------------|-----------------|--------------------|-------------------|
| Item-No. | 100161 | 100197 | |
| Rated power | 1500 | 1500 | W |
| Output power | 1050 | 1050 | W |
| Rated voltage | 230 | 230 | V |
| Rated frequency | 50-60 | 50-60 | Hz |
| Current consumption | 7 | 7 | A |
| Rotational speeds (idling) | 1520 / 3520 | 1520 / 3520 / 7300 | min ⁻¹ |
| Rotational speeds (full load) | 950 / 2200 | 950 / 2200 / 4560 | min ⁻¹ |
| Torque | 15 / 6,5 | 15 / 6,5 / 3 | Nm |
| Overload coupling adjustment | 10 | 10 | Nm |
| Drilling - Ø in concrete | | | |
| Guided on stand, approx. | 20 – 120 | 15 – 150 | mm |
| Guided on hand, approx. | 20 – 60 | 15 – 60 | mm |
| Tool connection | R ½ | R ½ | " |
| Handle connection - Ø | 60 | 60 | mm |
| Dimensions LxBxH | 445 x 100 x 136 | 470 x 100 x 136 | mm |
| Weight approx. | 4,9 | 5,2 | kg |



Subject to alterations

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Innovative Elektrowerkzeuge



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Stability

Extremely sturdy 1-, 2-, or 3-gears control gear with high efficiency. All gear variants are greased in oil bath.

Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Operating comfort

Ergonomically designed grip elements and a low weight contribute to a comfortable and fatiguing-less working in free-hand operation. The new ventilation system captivates by its extreme lack of noise.

Safety

Innovative electronic overload protection system, providing the safety of man and machine.

Innovations

Not only the gears also the engines of this range are completely new-developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned, the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.

Optionally available the drilling assistance is suitable, for all machines with clamping neck diameter 60 mm.

Unitized construction

Completely new-developed unitized construction. Wet or dry drilling. With a switch to step on the gas and an intelligent electronic speed regulation. The interchangeable drilling head can be changed quickly and easily on the spot. In case of abrasion of the closing elements, the machine can be reinstalled immediately with the help of the substitute exchange head.

Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Power reserves

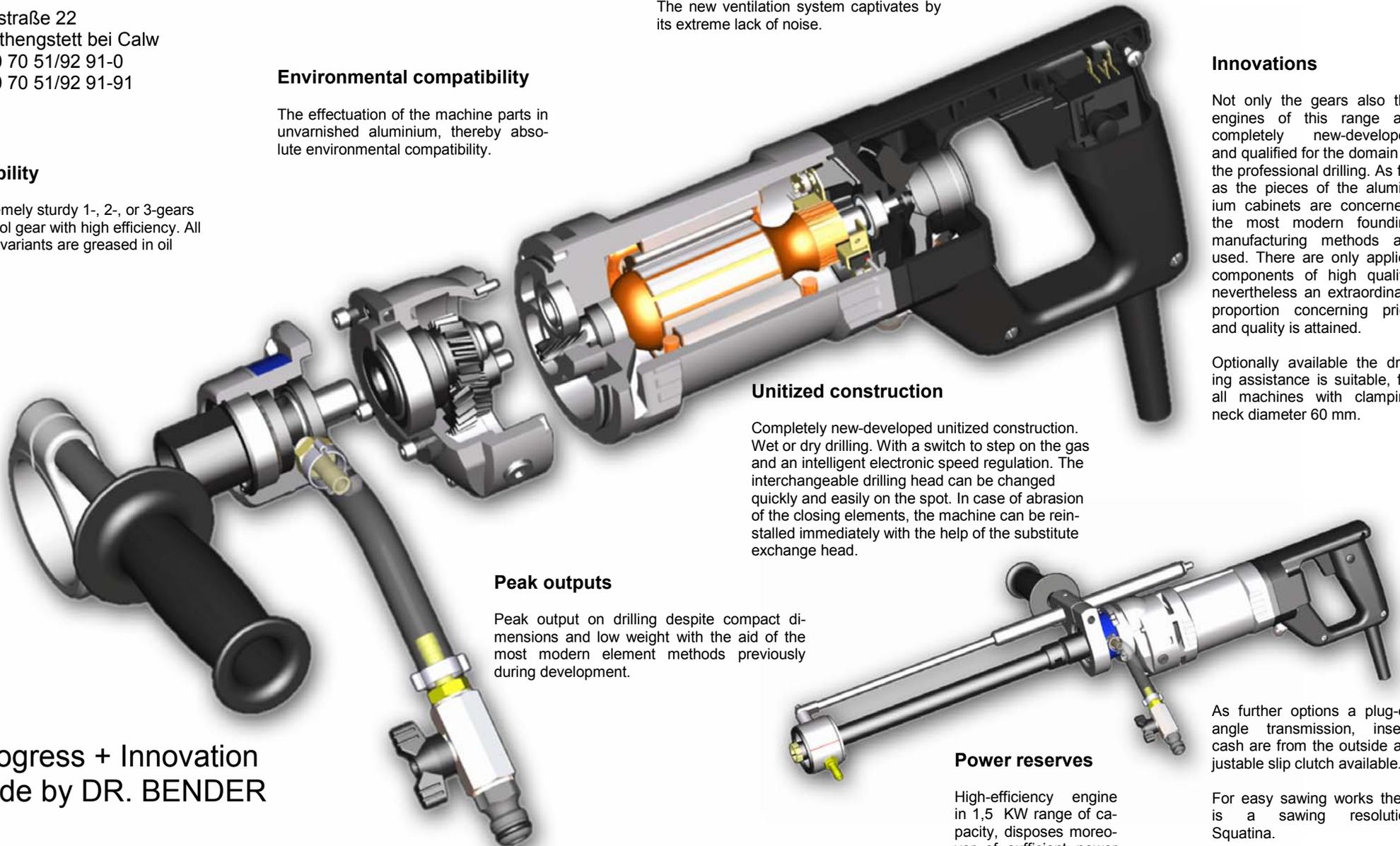
High-efficiency engine in 1,5 KW range of capacity, disposes moreover of sufficient power reserves.

As further options a plug-on angle transmission, insert-cash are from the outside adjustable slip clutch available.

For easy sawing works there is a sawing resolution Squatina.

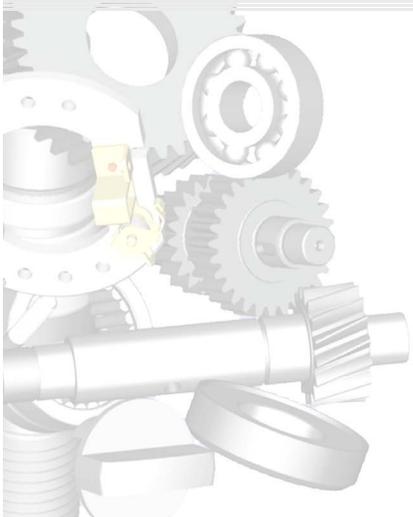
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EBS - K



Technical Data :

| Type | EBS 19 K | EBS 15 K | EBS 25 K | EBS 35 K | |
|--|-----------------|-----------------|-----------------|--------------------|-------------------|
| Item no. | 101351 | 100198 | 100199 | 100274 | |
| Rated power | 1500 | 1500 | 1500 | 1500 | W |
| Output power | 1050 | 1050 | 1050 | 1050 | W |
| Rated voltage | 230 | 230 | 230 | 230 | V |
| Rated frequency | 50 - 60 | 50 - 60 | 50 - 60 | 50 - 60 | Hz |
| Current consumption | 7 | 7 | 7 | 7 | A |
| Rotational speeds (idling) | 9000 | 2400 | 1520 / 3520 | 1520 / 3520 / 7300 | min ⁻¹ |
| Rotational speeds (full load) | 6800 | 1500 | 950 / 2200 | 950 / 2200 / 4560 | min ⁻¹ |
| Torque | 2 | 9,5 | 15 / 6,5 | 15 / 6,5 / 3 | Nm |
| Overload coupling adjustment | 8 | 8 | 10 | 10 | Nm |
| Drilling - Ø in concrete guided on stand, approx. | 10 - 30 | 20 - 90 | 20 - 120 | 15 - 150 | mm |
| guided by hand, approx. | 10 - 30 | 20 - 60 | 20 - 60 | 15 - 60 | mm |
| Tool connection | R ½ | UNC 1 ¼ ; R ½ | UNC 1 ¼ ; R ½ | UNC 1 ¼ ; R ½ | " |
| Handle connection - Ø | 60 | 60 | 60 | 60 | mm |
| Dimensions LxBxH | 445 x 100 x 136 | 430 x 100 x 136 | 445 x 100 x 136 | 470 x 100 x 136 | mm |
| Weight approx. | 4,5 | 4,5 | 4,9 | 5,2 | kg |



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Stability

Extremely sturdy 2-, 3- or 4-gears control gear with high efficiency. All gear variants are greased in oil bath.

Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Operating comfort

Ergonomically designed grip elements and a low weight contribute to a comfortable and fatiguing-less working in free-hand operation.

Power reserves

High-efficiency engine in 1,8 and 2,3 kW range of capacity, disposes also of sufficient power reserves.

Security

Novel, very nimble overweight protection system for the protection of the person and the machine.

Unitized construction

Completely new-developed unitized construction. Wet or dry drilling. Available as spade grip, pistol grip or stand machine. The 3-gears variant now also with flange version and drilling crown connection UNC 1 1/4". With a switch to step on the gas and an intelligent electronic speed regulation.

Peak outputs

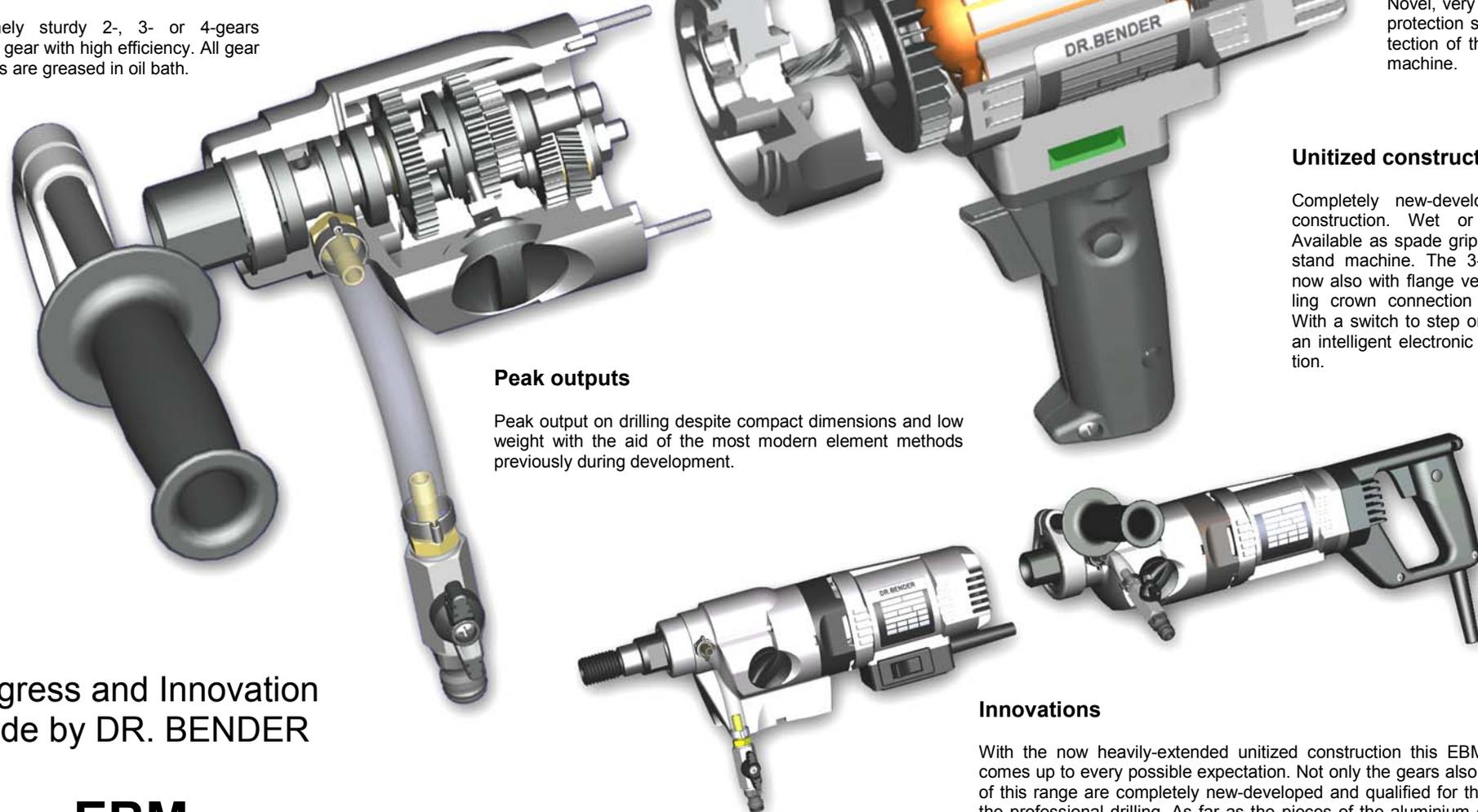
Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Progress and Innovation
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EBM

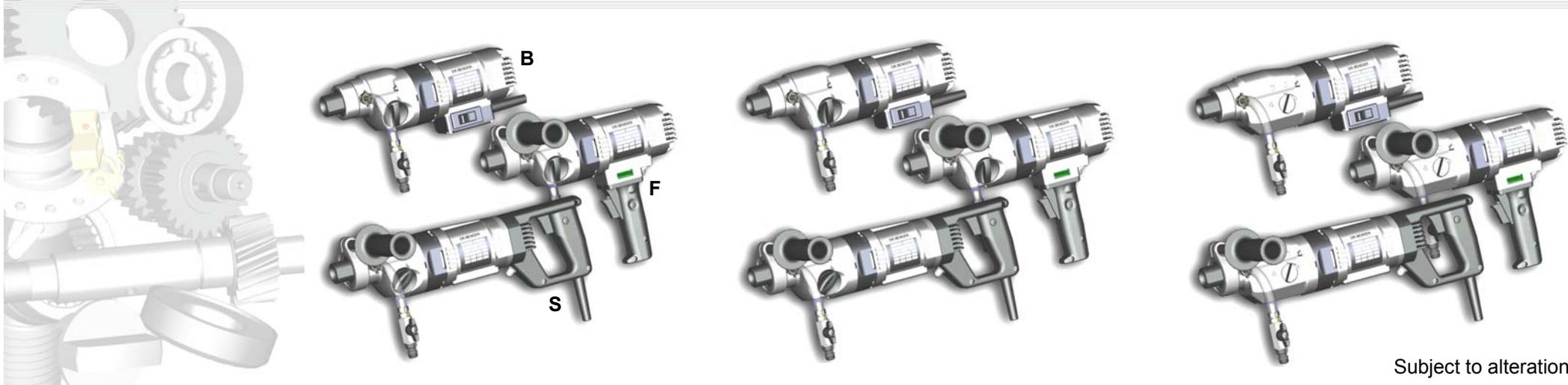
Innovations

With the now heavily-extended unitized construction this EBM-type-range comes up to every possible expectation. Not only the gears also the engines of this range are completely new-developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.



Technical data :

| Type | EBM 23 | EBM 25 | EBM 33 | EBM 35 | EBM 43 | EBM 45 | |
|---|-----------------|-----------------|-------------------|--------------------|--------------------------|---------------------------|-------------------------|
| Item.-No. Drilling stand execution B | 200572 | 200708 | 200577 | 200711 | 200582 | 200611 | <i>B</i> |
| Item.-No. Pistol butt execution F | 200571 | 200709 | 200576 | 200712 | 200557 | 200599 | <i>F</i> |
| Item.-No. Spade handle execution S | 200553 | 200707 | 200575 | 200710 | 200581 | 200598 | <i>S</i> |
| Power consumption | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | <i>W</i> |
| Performance giving | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | <i>W</i> |
| Nominal voltage | 230 | 230 | 230 | 230 | 230 | 230 | <i>V</i> |
| Nominal frequency | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | <i>Hz</i> |
| Nominal current | 9 | 9 | 9 | 9 | 9 | 9 | <i>A</i> |
| Speed (neutral) | 830 / 2200 | 1750 / 4080 | 830 / 2200 / 4600 | 1750 / 4080 / 8500 | 950 / 1650 / 2450 / 3450 | 1710 / 2380 / 3850 / 4800 | <i>min⁻¹</i> |
| Speed (full load) | 520 / 1400 | 1100 / 2600 | 520 / 1400 / 2900 | 1100 / 2600 / 5500 | 500 / 900 / 1400 / 2290 | 900 / 1300 / 2200 / 3200 | <i>min⁻¹</i> |
| Torque | 27 / 12 | 15 / 6,5 | 27 / 12 / 6 | 15 / 6,5 / 3 | 28 / 20 / 12 / 7 | 20 / 13 / 7 / 5 | <i>Nm</i> |
| Overload coupling attitude | 12 | 10 | 12 | 10 | 35 / 12 | 30 / 10 | <i>Nm</i> |
| Drilling in concrete Ø | | | | | | | |
| With drill stand approx. | 25 – 150 | 20 – 80 | 15 – 150 | 8 – 80 | 20 – 150 | 10 - 90 | <i>mm</i> |
| handcontrol approx. | 25 – 60 | 20 – 60 | 15 – 60 | 8 – 60 | 20 – 60 | 10 - 60 | <i>mm</i> |
| Drill chuck | R ½ | R ½ | R ½ | R ½ | R ½ | R ½ | <i>"</i> |
| Chuck - Ø | 60 | 60 | 60 | 60 | 60 | 60 | <i>mm</i> |
| Measurements B LxBxH | 305 x 100 x 132 | 305 x 100 x 132 | 330 x 100 x 132 | 330 x 100 x 132 | 345 x 100 x 132 | 345 x 100 x 132 | <i>mm</i> |
| Measurements F LxBxH | 305 x 100 x 262 | 305 x 100 x 262 | 330 x 100 x 262 | 330 x 100 x 262 | 345 x 100 x 262 | 345 x 100 x 262 | <i>mm</i> |
| Measurements S LxBxH | 430 x 100 x 136 | 430 x 100 x 136 | 455 x 100 x 136 | 455 x 100 x 136 | 470 x 100 x 136 | 470 x 100 x 136 | <i>mm</i> |
| Weight B approx. | 4,2 | 4,2 | 4,5 | 4,5 | 5,4 | 5,4 | <i>kg</i> |
| Weight F approx. | 4,9 | 4,9 | 5,2 | 5,2 | 6,2 | 6,2 | <i>kg</i> |
| Weight S approx. | 4,9 | 4,9 | 5,2 | 5,2 | 6,2 | 6,2 | <i>kg</i> |



Subject to alterations



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Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Stability

Extremely sturdy 2-, 3- or 4-gears control gear with high efficiency. All gear variants are greased in oil bath.

Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Power reserves

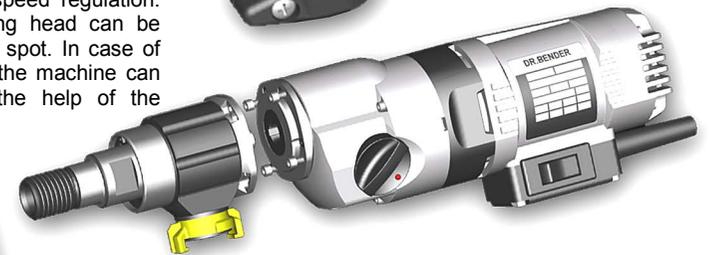
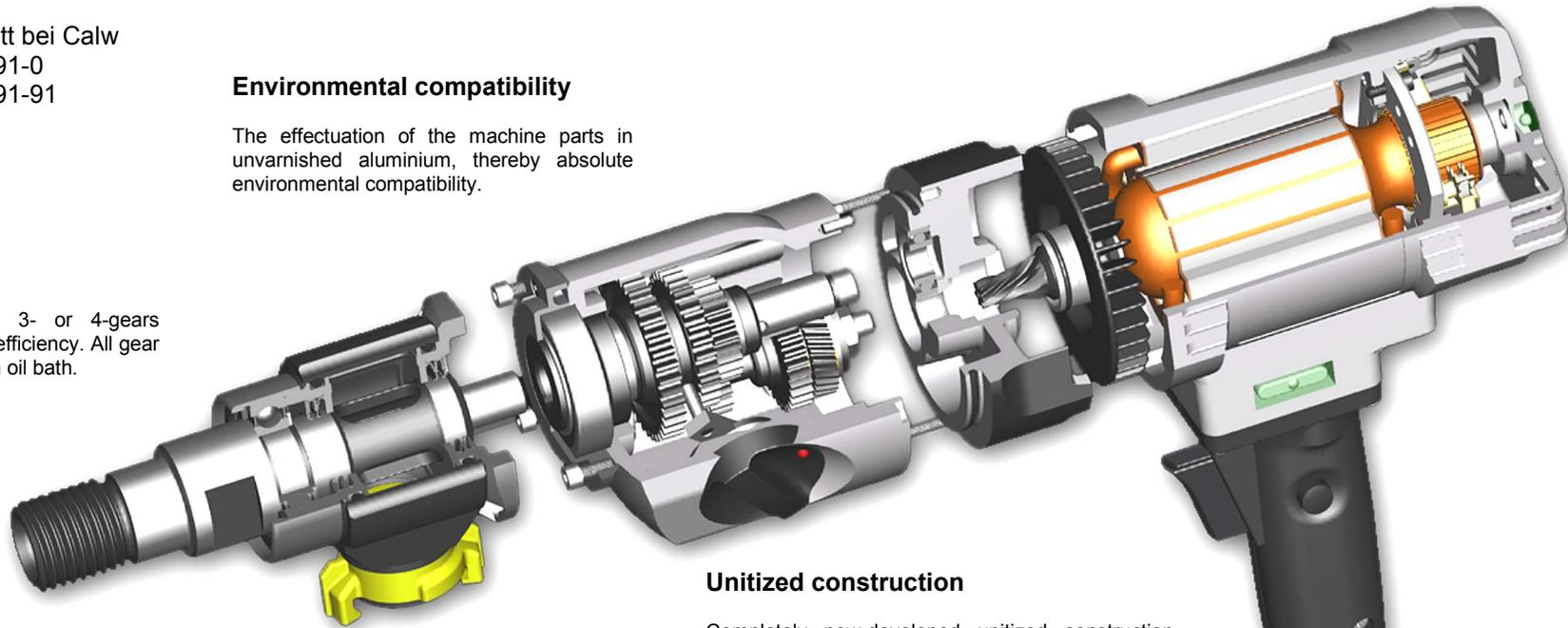
High-efficiency engine in 1,8 kW range of capacity, disposes moreover of sufficient power reserves.

Unitized construction

Completely new-developed unitized construction. Wet or dry drilling. Available as spade grip, pistol grip or stand machine. With a switch to step on the gas and an intelligent electronic speed regulation. The interchangeable wet/dry drilling head can be changed quickly and easily on the spot. In case of abrasion of the closing elements, the machine can be reinstalled immediately with the help of the substitute exchange head.

Innovations

Not only the gears also the engines of this range are completely new-developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned, the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.

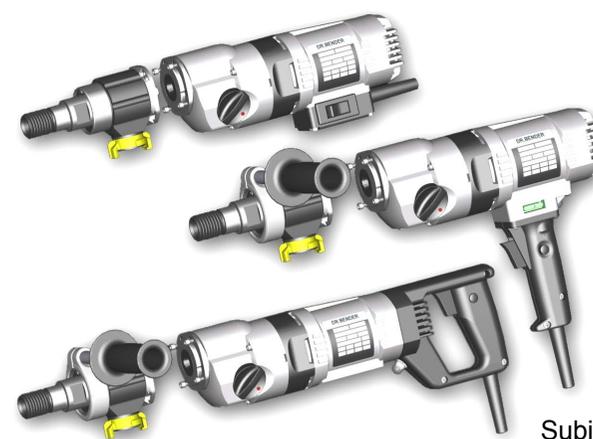
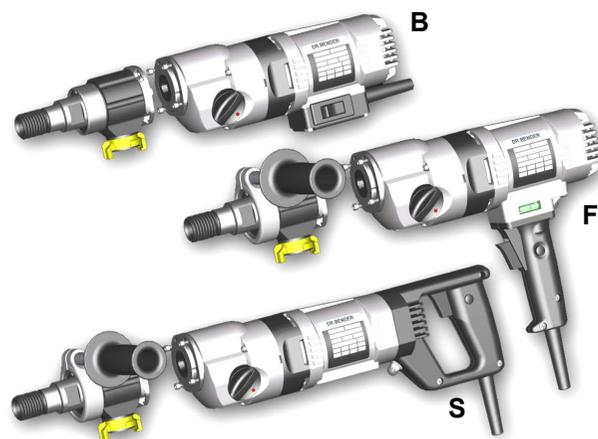
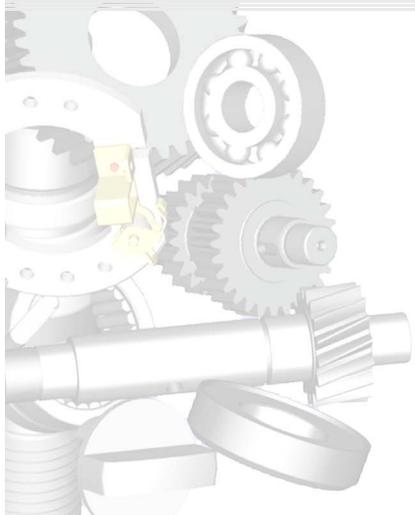


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EBM - K

Technical data :

| Typ | EBM 23 K | EBM 25 K | EBM 33 K | EBM 35 K | |
|--|-----------------|-----------------|-------------------|--------------------|-------------------------|
| Item.-No Drilling stand execution B | 200631 | on inquiry | 200628 | on inquiry | <i>B</i> |
| Item.-No. Pistol butt execution F | 200630 | on inquiry | 200627 | on inquiry | <i>F</i> |
| Item.-No. Spade handle execution S | 200629 | on inquiry | 200626 | on inquiry | <i>S</i> |
| Power consumption | 1800 | 1800 | 1800 | 1800 | <i>W</i> |
| Performance giving | 1300 | 1300 | 1300 | 1300 | <i>W</i> |
| Nominal voltage | 230 | 230 | 230 | 230 | <i>V</i> |
| Nominal frequency | 50-60 | 50-60 | 50-60 | 50-60 | <i>Hz</i> |
| Nominal current | 9 | 9 | 9 | 9 | <i>A</i> |
| Speed (neutral) | 830 / 2200 | 1750 / 4080 | 830 / 2200 / 4600 | 1750 / 4080 / 8500 | <i>min⁻¹</i> |
| Speed (full load) | 520 / 1400 | 1100 / 2600 | 520 / 1400 / 2900 | 1100 / 2600 / 5500 | <i>min⁻¹</i> |
| Torque | 27 / 12 | 15 / 6,5 | 27 / 12 / 6 | 15 / 6,5 / 3 | <i>Nm</i> |
| Overload coupling attitude | 12 | 10 | 12 | 10 | <i>Nm</i> |
| Drilling in concrete Ø | | | | | |
| With drill stand approx. | 25 – 150 | 20 – 80 | 15 – 150 | 8 – 80 | <i>mm</i> |
| handcontrol approx. | 25 – 60 | 20 – 60 | 15 – 60 | 8 – 60 | <i>mm</i> |
| Drill chuck | UNC 1 ¼ | UNC 1 ¼ | UNC 1 ¼ | UNC 1 ¼ | <i>"</i> |
| Chuck - Ø | 60 | 60 | 60 | 60 | <i>mm</i> |
| Measurements B LxBxH | 455 x 100 x 132 | 455 x 100 x 132 | 480 x 100 x 132 | 480 x 100 x 132 | <i>mm</i> |
| Measurements F LxBxH | 455 x 100 x 262 | 455 x 100 x 262 | 480 x 100 x 262 | 480 x 100 x 262 | <i>mm</i> |
| Measurements S LxBxH | 580 x 100 x 136 | 580 x 100 x 136 | 605 x 100 x 136 | 605 x 100 x 136 | <i>mm</i> |
| Weight B approx. | 4,3 | 4,3 | 4,8 | 4,8 | <i>kg</i> |
| Weight F approx. | 5,0 | 5,0 | 5,5 | 5,5 | <i>kg</i> |
| Weight S approx. | 5,0 | 5,0 | 5,5 | 5,5 | <i>kg</i> |



Subject to alterations
07-2004



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Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Security

Novel, very nimble over-weight protection system for the protection of the person and the machine.

Power reserves

High-efficiency engine in 2,3 kW range of capacity, disposes more-over of sufficient power reserves.

Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Stability

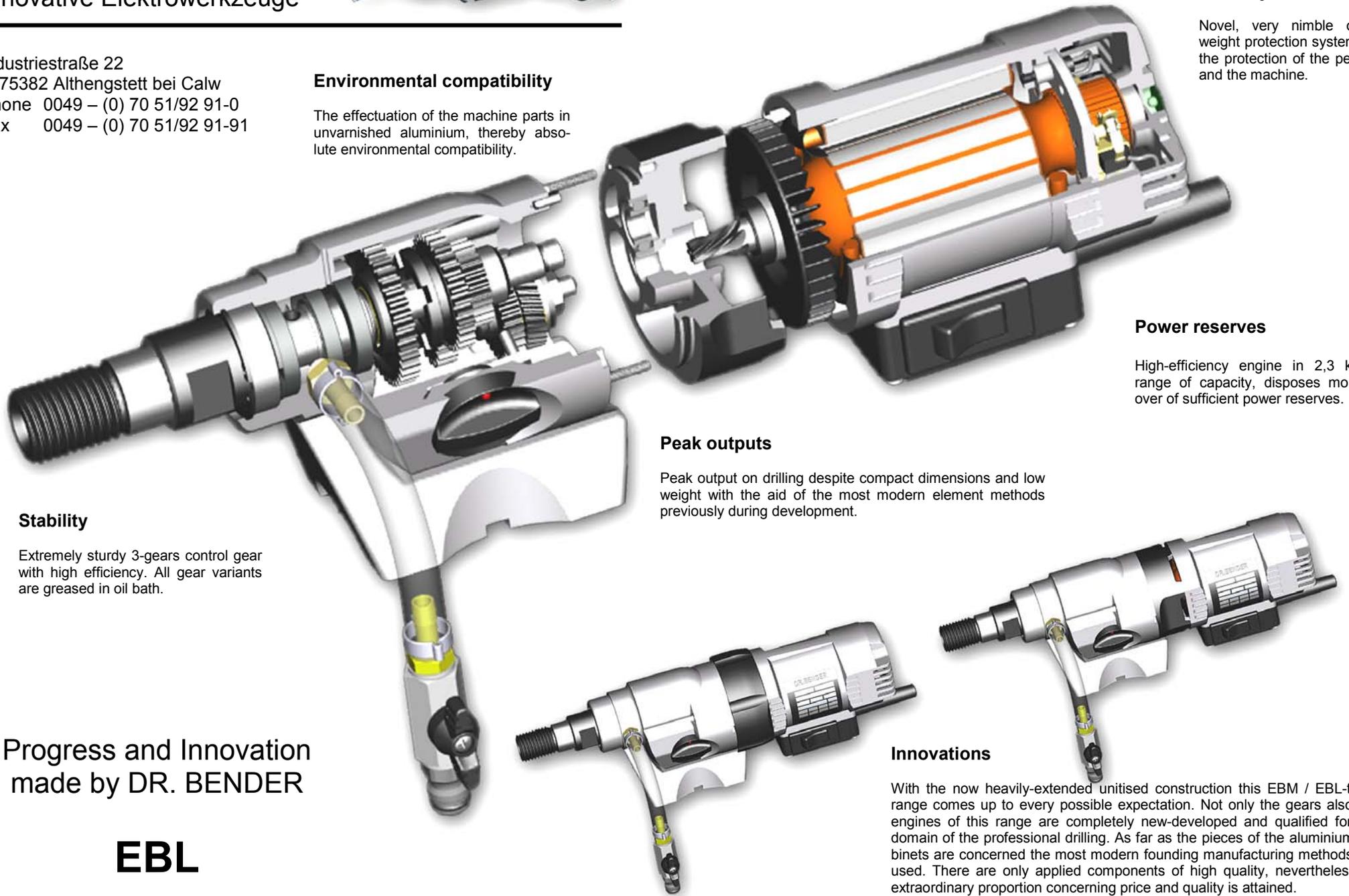
Extremely sturdy 3-gears control gear with high efficiency. All gear variants are greased in oil bath.

Progress and Innovation
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EBL

Innovations

With the now heavily-extended unitised construction this EBM / EBL-type-range comes up to every possible expectation. Not only the gears also the engines of this range are completely new-developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.



Technical data :

| Typ | EBL 21 | EBL 32 | EBL 33 | |
|----------------------------|-----------------|-------------------|-------------------|-------------------|
| Item-No. | 200742 | 200835 | 200662 | |
| Power consumption | 2300 | 2300 | 2300 | W |
| Performance giving | 1650 | 1650 | 1650 | W |
| Nominal voltage | 230 | 230 | 230 | V |
| Nominal frequency | 50-60 | 50-60 | 50-60 | Hz |
| Nominal current | 10,5 | 10,5 | 10,5 | A |
| Speed (neutral) | 400 / 1120 | 720 / 1150 / 1980 | 720 / 1890 / 3960 | min ⁻¹ |
| Speed (full load) | 245 / 700 | 450 / 730 / 1250 | 450 / 1200 / 2500 | min ⁻¹ |
| Torque | 68 / 25 | 36 / 27 / 18 | 36 / 19 / 10 | Nm |
| Overload coupling attitude | 15 | 17 | 17 | Nm |
| Drilling in concrete Ø | | | | |
| With drill stand approx. | 50 - 260 | 60 - 220 | 20 - 220 | mm |
| Drill chuck | UNC 1 ¼ | UNC 1 ¼" | UNC 1 ¼ | " |
| Flange connection | 4 x M8; Nut 10 | 4 x M8; Nut 10 | 4 x M8; Nut 10 | mm |
| Measurements LxBxH | 422 x 100 x 133 | 422 x 100 x 133 | 422 x 100 x 133 | mm |
| Weight approx. | 6,9 | 6,5 | 6,5 | kg |



Subject to alterations



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Stability

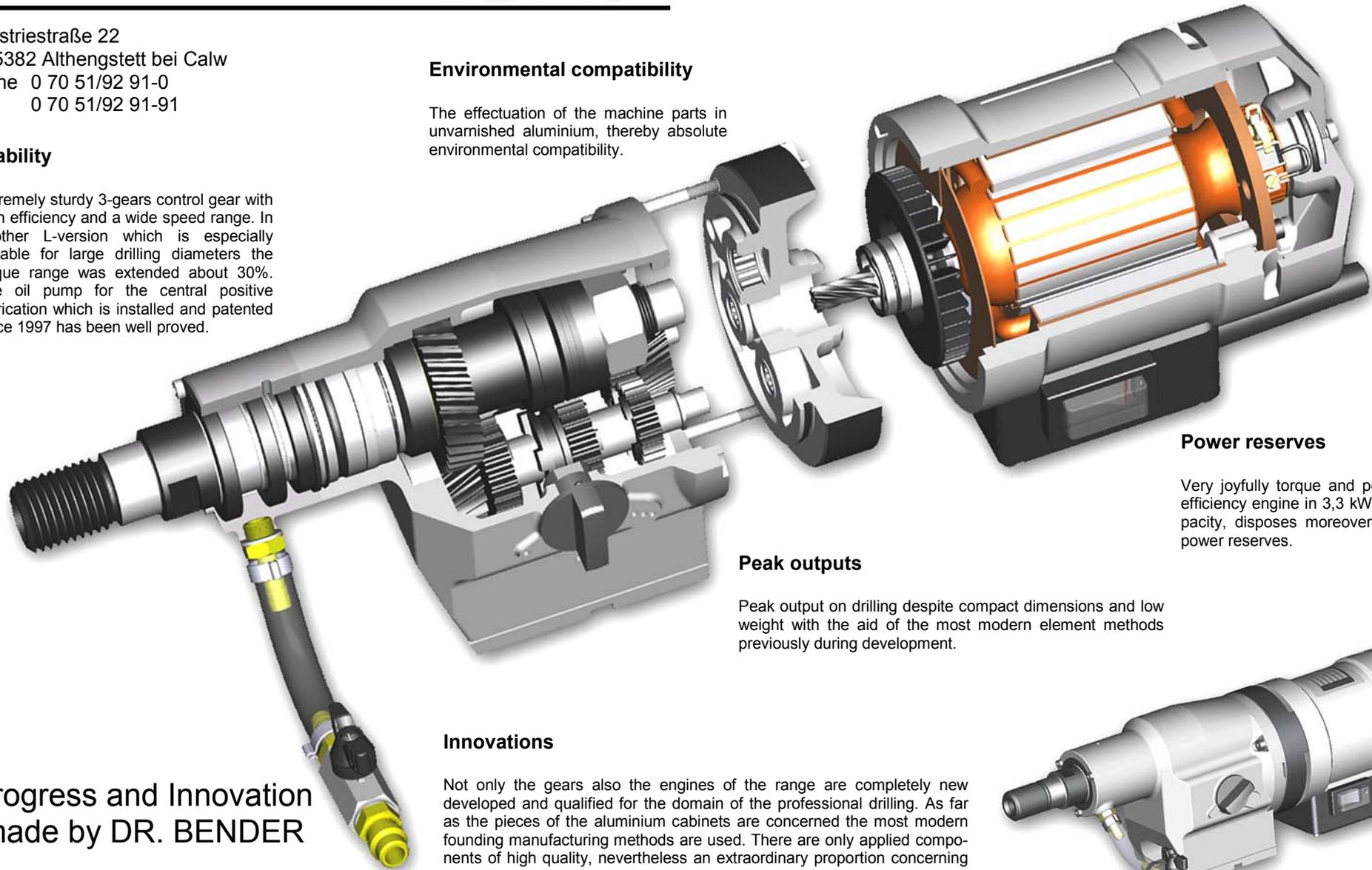
Extremely sturdy 3-gears control gear with high efficiency and a wide speed range. In another L-version which is especially suitable for large drilling diameters the torque range was extended about 30%. The oil pump for the central positive lubrication which is installed and patented since 1997 has been well proved.

Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Security

Novel, very nimble overweight protection system for the protection of the person and the machine.



Power reserves

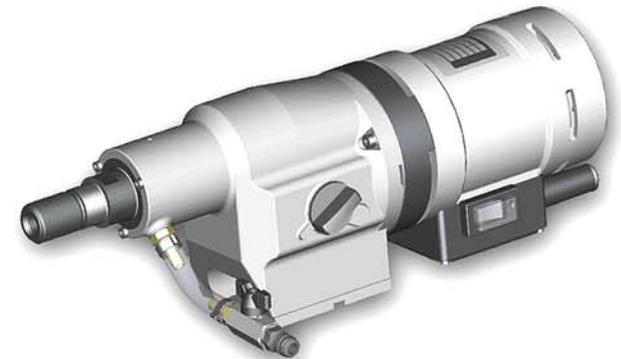
Very joyfully torque and powerful high-efficiency engine in 3,3 kW range of capacity, disposes moreover of sufficient power reserves.

Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Innovations

Not only the gears also the engines of the range are completely new developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.



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BBM

Technical data :

| Type | BBM 33 extra | BBM 33 L extra |
|----------------------------|-------------------|------------------|
| Item-No. | 200482 | 200664 |
| Power consumption | 3300 | 3300 |
| Performance giving | 2400 | 2400 |
| Nominal voltage | 230 | 230 |
| Nominal frequency | 50-60 | 50-60 |
| Nominal current | 15,9 | 15,9 |
| Speed (neutral) | 480 / 1200 / 1960 | 360 / 820 / 1290 |
| Speed (full load) | 240 / 620 / 1100 | 180 / 430 / 750 |
| Torque | 100 / 36 / 21 | 125 / 59 / 33 |
| Overload coupling attitude | 220 | 260 |
| Drilling in concrete Ø | | |
| With drill stand approx. | 30 – 400 | 45 – 450 |
| Drill chuck | UNC 1 ¼ | UNC 1 ¼ |
| Flange connection | 4 x M8; Nut 10 | 4 x M8; Nut 10 |
| Measurements LxBxH | 508 x 132 x 168 | 508 x 132 x 168 |
| Weight approx. | 13,2 | 13,2 |



Subject to alterations



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Stability

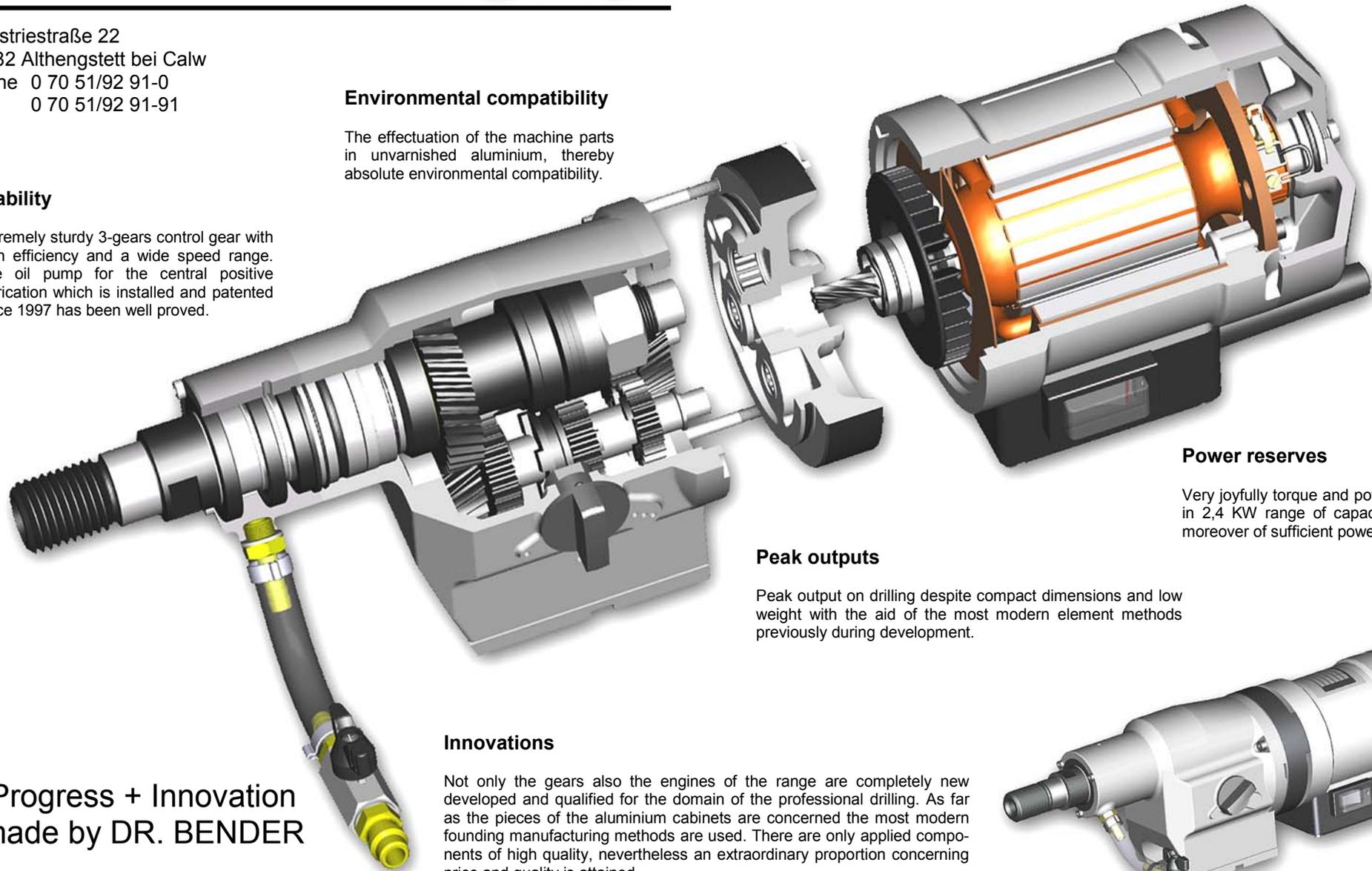
Extremely sturdy 3-gears control gear with high efficiency and a wide speed range. The oil pump for the central positive lubrication which is installed and patented since 1997 has been well proved.

Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Safety

Novel, very nimble overweight protection system for the protection of the person and the machine.



Power reserves

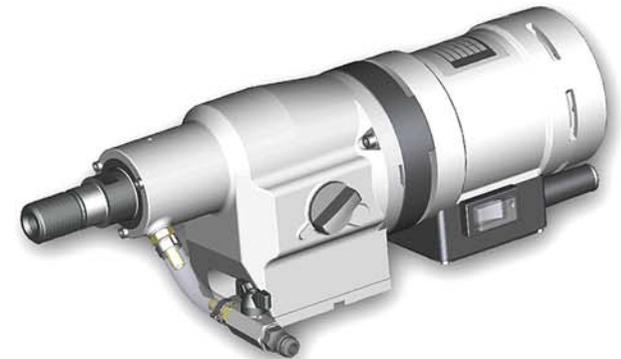
Very joyfully torque and powerful engine in 2,4 KW range of capacity, disposes moreover of sufficient power reserves.

Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Innovations

Not only the gears also the engines of the range are completely new developed and qualified for the domain of the professional drilling. As far as the pieces of the aluminium cabinets are concerned the most modern founding manufacturing methods are used. There are only applied components of high quality, nevertheless an extraordinary proportion concerning price and quality is attained.

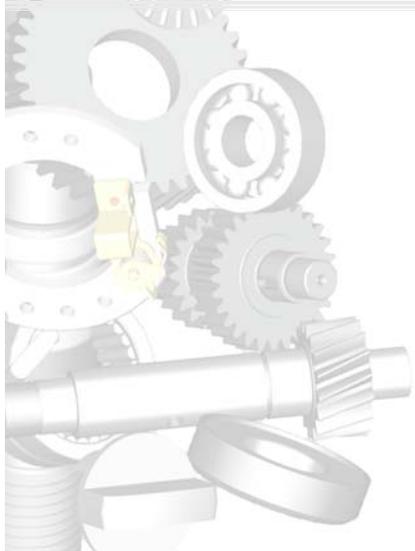


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BBS

Technical data :

| Type | BBS 33 | |
|-------------------------------|-------------------|-------------------|
| Item-No. | 200856 | |
| Rated power | 2400 | W |
| Output power | 1720 | W |
| Rated voltage | 230 | V |
| Rated frequency | 50-60 | Hz |
| Current consumption | 12 | A |
| Rotational speeds (idling) | 550 / 1400 / 2420 | min ⁻¹ |
| Rotational speeds (full load) | 325 / 850 / 1450 | min ⁻¹ |
| Torque | 75 / 23 / 17 | Nm |
| Overload coupling adjustment | 200 | Nm |
| Drilling - Ø in concrete | | |
| Guided on stand approx. | 30 – 290 | mm |
| Tool connection | UNC 1 ¼ | " |
| Flange connection | 4 x M8; Nut 10 | mm |
| Dimensions LxBxH | 508 x 132 x 168 | mm |
| Weight approx. | 12,9 | kg |



Subject to alterations



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Stability

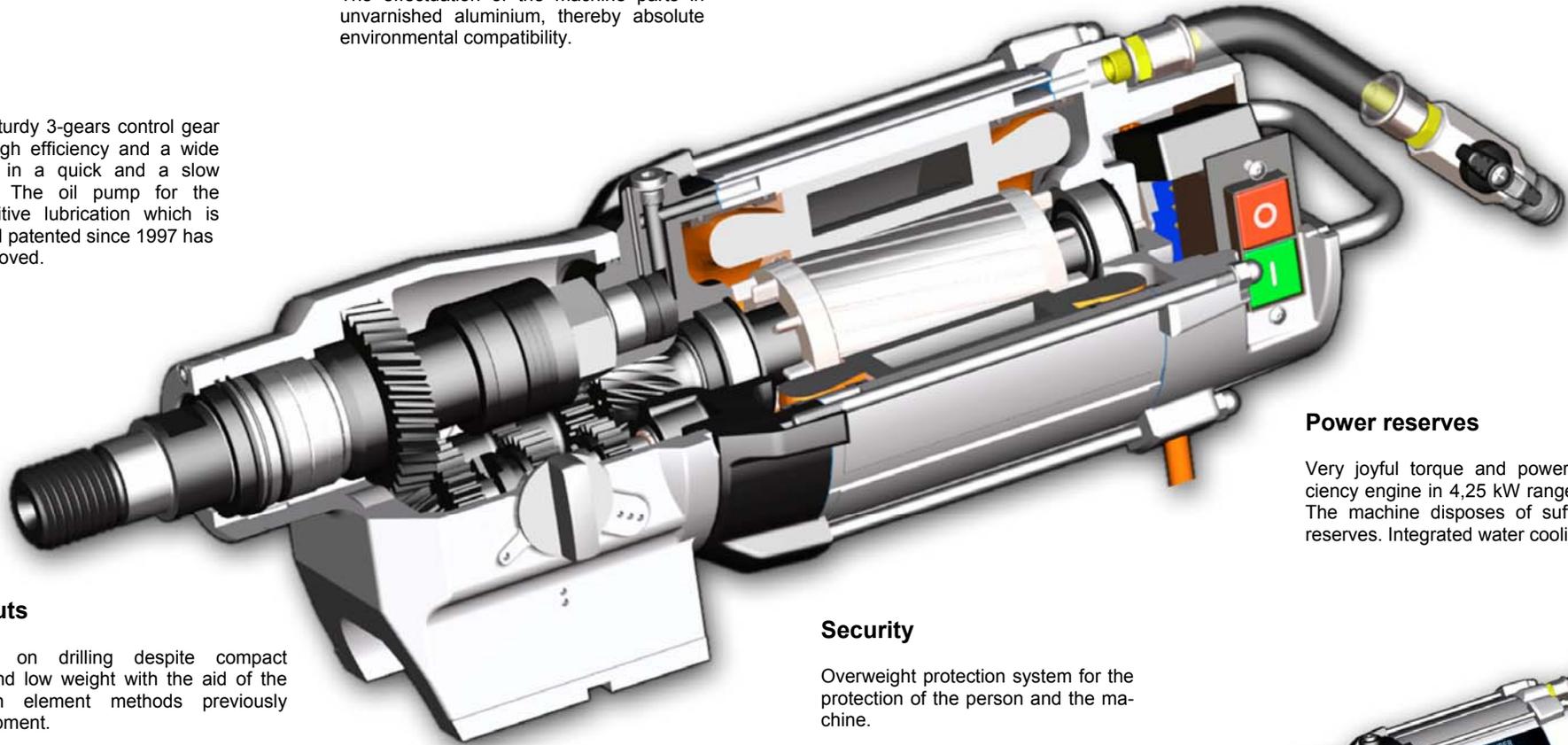
Extremely sturdy 3-gears control gear with very high efficiency and a wide gear reach in a quick and a slow exportation. The oil pump for the central positive lubrication which is installed and patented since 1997 has been well proved.

Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Operating comfort

Despite this very high class draws himself the DX 4 Dolphin and a low weight (approx. 19 kg) from. The 3 gear transmissions graded finely let a sensitive work with various drilling diameters to. The machine is into lighter executed 56 IP softly.



Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Power reserves

Very joyful torque and powerful high efficiency engine in 4,25 kW range of capacity. The machine disposes of sufficient power reserves. Integrated water cooling.

Security

Overweight protection system for the protection of the person and the machine.

Innovations

Not only the gears also the engines of the range are completely new-developed and qualified for the domain of the professional drilling. A thick system developed for this especially recently offers highest electrical safety.

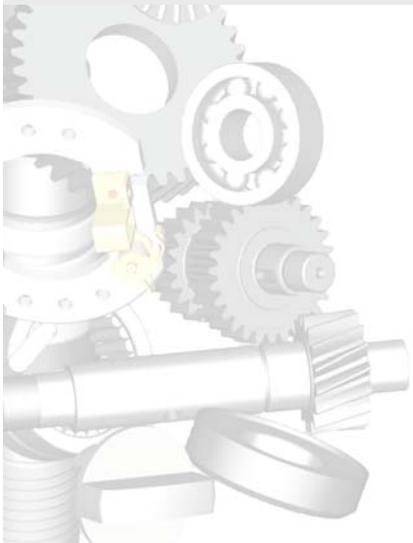


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DOLPHIN DX 4

Technical data

| Type | Dolphin DX 4 | Dolphin DX 4 L | |
|------------------------------|-----------------|-----------------|------------|
| Item-No | 200868 | 200897 | |
| Rated power | 4250 | 4250 | W |
| Output power | 3000 | 3000 | W |
| Rated voltage | 400 | 400 | V |
| Rated frequency | 50-60 | 50-60 | Hz |
| Current consumption | 7,5 | 7,5 | A |
| Rotational speed (idling) | 160 / 430 / 750 | 120 / 280 / 440 | min^{-1} |
| Rotational speed (full load) | 160 / 430 / 750 | 120 / 280 / 440 | min^{-1} |
| Torque | 200 / 90 / 50 | 250 / 140 / 80 | Nm |
| Overload coupling adjustment | 320 | 320 | Nm |
| Drilling - Ø in concrete | | | |
| Guided on stand, approx. | 100 – 350 | 150 – 400 | mm |
| Tool connection | UNC 1 ¼ | UNC 1 ¼ | " |
| Flange connection - Ø | 4 x M8; Nut 10 | 4 x M8; Nut 10 | mm |
| Dimensions LxBxH | 527 x 165 x 173 | 527 x 165 x 173 | mm |
| Weight approx. | 19,0 | 19,0 | kg |



Subject to alterations



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Stability

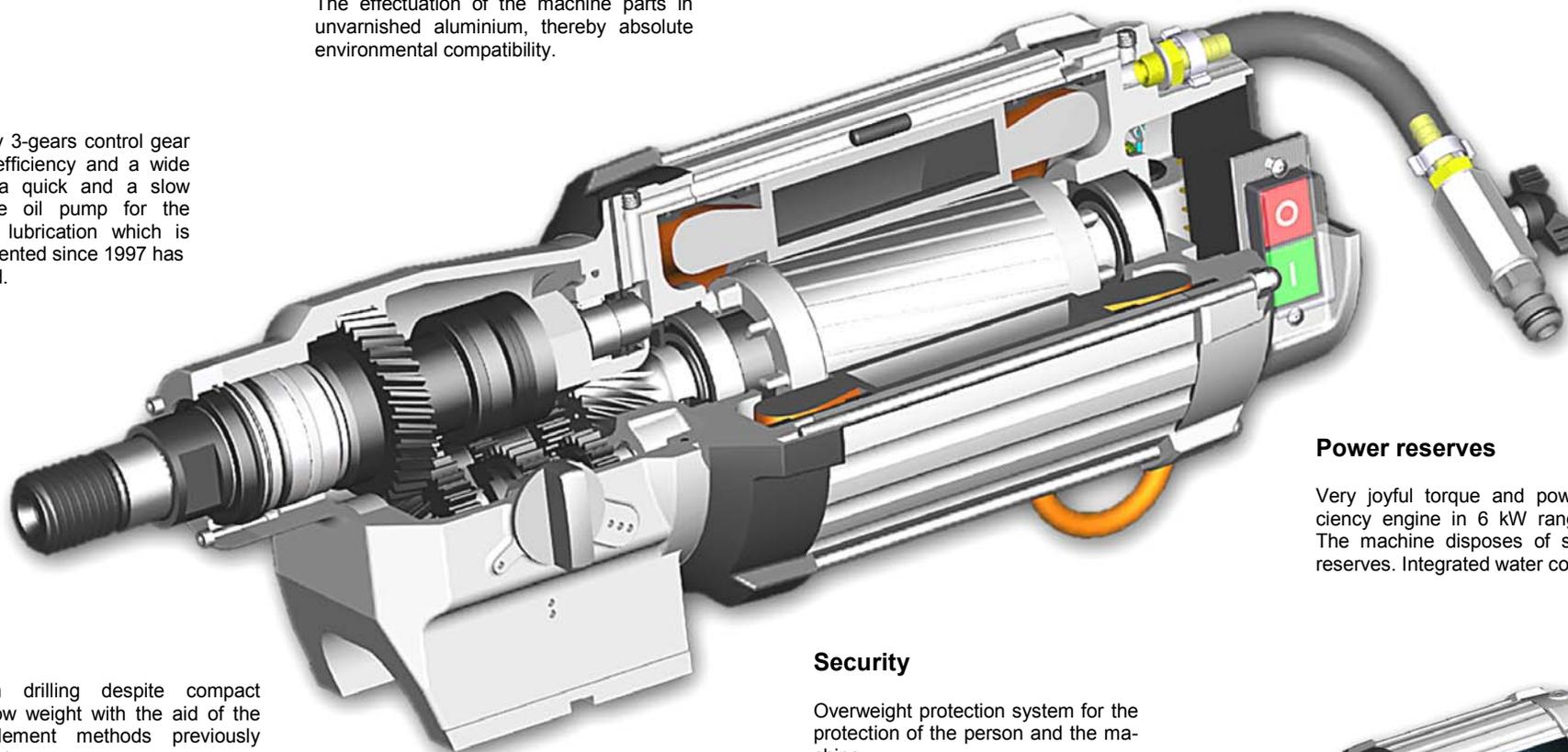
Extremely sturdy 3-gears control gear with very high efficiency and a wide gear reach in a quick and a slow exportation. The oil pump for the central positive lubrication which is installed and patented since 1997 has been well proved.

Environmental compatibility

The effectuation of the machine parts in unvarnished aluminium, thereby absolute environmental compatibility.

Operating comfort

Despite this very high class draws himself the DX 6 Dolphin and a low weight (approx. 24,5 kg) from. The 3 gear transmissions graded finely let a sensitive work with various drilling diameters to. The machine is into lighter executed 56 IP softly.



Peak outputs

Peak output on drilling despite compact dimensions and low weight with the aid of the most modern element methods previously during development.

Power reserves

Very joyful torque and powerful high efficiency engine in 6 kW range of capacity. The machine disposes of sufficient power reserves. Integrated water cooling.

Security

Overweight protection system for the protection of the person and the machine.

Innovations

Not only the gears also the engines of the range are completely new-developed and qualified for the domain of the professional drilling. A thick system developed for this especially recently offers highest electrical safety.

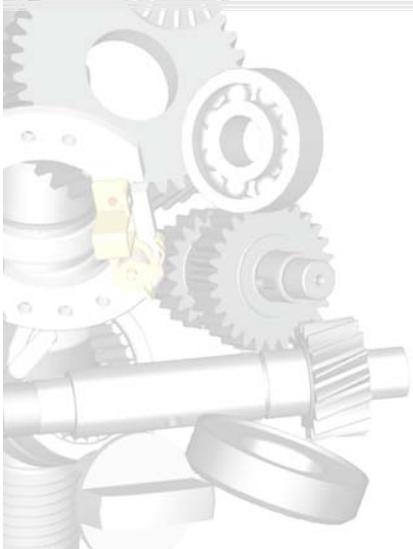


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DOLPHIN DX 6

Technical data

| Type | Dolphin DX 6 | Dolphin DX 6 L | |
|------------------------------|-----------------|-----------------|------------|
| Item-No | 200674 | 200679 | |
| Rated power | 6000 | 6000 | W |
| Output power | 4200 | 4200 | W |
| Rated voltage | 400 | 400 | V |
| Rated frequency | 50-60 | 50-60 | Hz |
| Current consumption | 10,5 | 10,5 | A |
| Rotational speed (idling) | 160 / 430 / 750 | 120 / 280 / 440 | min^{-1} |
| Rotational speed (full load) | 160 / 430 / 750 | 120 / 280 / 440 | min^{-1} |
| Torque | 280 / 120 / 65 | 380 / 190 / 110 | Nm |
| Overload coupling adjustment | 320 | 320 | Nm |
| Drilling - Ø in concrete | | | |
| Guided on stand, approx. | 100 – 450 | 150 – 500 | mm |
| Tool connection | UNC 1 ¼ | UNC 1 ¼ | " |
| Flange connection - Ø | 4 x M8; Nut 10 | 4 x M8; Nut 10 | mm |
| Dimensions LxBxH | 555 x 173 x 173 | 555 x 173 x 173 | mm |
| Weight approx. | 24,5 | 24,5 | kg |



Subject to alterations