

# BOX HOUSING TYPE

Prime series are silenced type breakers that are developed for environment and human health according to international trend of noise restriction.

By wearing a hard boots of reinforced rock dragger and bracket, prime series provides much innovative durability with maximum power than ever. The benefits of these series are dual speed control system, hard boots(HEB140S and larger), anti-blank firing function, auto stop & auto start and single high pressure accumulator(HEB220S and larger)



## APPLICATION

○ : Standard, △ : Option, × : N/A

| Contents                     | HEB010/P |   | HEB020/P |   | HEB030/P |   | HEB040/P |   | HEB050/P |   | HEB060/P |   | HEB100/P |   | HEB140S | HEB140P | HEB220S | HEB220P | HEB310/P |   | HEB400/P |   | HEB500/P |   | HEB700P |
|------------------------------|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|---------|---------|---------|---------|----------|---|----------|---|----------|---|---------|
| Grade                        | S        | P | S        | P | S        | P | S        | P | S        | P | S        | P | S        | P | S       | P       | S       | P       | S        | P | S        | P | S        | P | P       |
| Accumulator(o,x)             | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x       |         | o       |         | o        |   | o        |   | o        |   | o       |
| Dual speed control(o,x)      | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x       |         | o       |         | o        |   | o        |   | o        |   | o       |
| Anti-blank firing func.(o,x) | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x       |         | o       |         | o        |   | o        |   | o        |   | o       |
| Under water(o,x)             | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x       |         | o       |         | o        |   | o        |   | o        |   | o       |
| Auto greasing kit (o,x)      | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x        |   | x       |         | △       |         | △        |   | △        |   | △        |   | △       |

## SPECIFICATION

| Specification            |  | Unit       | Grade | HEB010/P  | HEB020/P    | HEB030/P    | HEB040/P    | HEB050/P    | HEB060/P    | HEB100/P    | HEB140S/P       | HEB220S/P | HEB310/P  | HEB400/P  | HEB500/P  | HEB700P   |           |
|--------------------------|--|------------|-------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Working weight           |  | kg         | S     | 106       | 106         | 129         | 161         | 299         | 370         | 504         | 691             | 1,530     | 2,109     | 2,843     | 3,598     |           |           |
|                          |  |            | P     | 116       | 116         | 144         | 243         | 314         | 468         | 552         | 1,148           | 1,799     | 2,461     | 3,433     | 4,119     | 6,484     |           |
| Overall length           |  | mm         | S     | 1,172     | 1,172       | 1,260       | 1,289       | 1,630       | 1,865       | 1,983       | 2,267           | 2,796     | 3,246     | 3,379     | 3,705     |           |           |
|                          |  |            | P     | 1,215     | 1,215       | 1,257       | 1,403       | 1,682       | 1,933       | 2,066       | 2,375           | 2,935     | 3,281     | 3,531     | 3,735     | 4,236     |           |
| Oil flow                 |  | lpm        | S     | 15 ~ 25   | 20 ~ 35     | 25 ~ 35     | 30 ~ 50     | 35 ~ 65     | 45 ~ 90     | 60 ~ 110    | 80 ~ 140        | 130 ~ 180 | 170 ~ 240 | 200 ~ 280 | 230 ~ 330 |           |           |
|                          |  |            | P     | 15 ~ 25   | 20 ~ 35     | 25 ~ 35     | 30 ~ 50     | 35 ~ 65     | 45 ~ 90     | 60 ~ 110    | 80 ~ 140        | 130 ~ 180 | 170 ~ 240 | 200 ~ 280 | 230 ~ 330 | 320 ~ 420 |           |
| Operating pressure       |  | bar        | S     | 90 ~ 110  | 70 ~ 100    | 90 ~ 110    | 110 ~ 140   | 140 ~ 170   | 140 ~ 170   | 150 ~ 170   | 160 ~ 180       | 150 ~ 180 | 150 ~ 185 | 160 ~ 185 | 165 ~ 185 |           |           |
|                          |  |            | P     | 100 ~ 130 | 100 ~ 130   | 100 ~ 130   | 110 ~ 140   | 130 ~ 170   | 130 ~ 170   | 140 ~ 180   | 140 ~ 180       | 160 ~ 180 | 165 ~ 185 | 165 ~ 185 | 165 ~ 185 | 165 ~ 185 |           |
| Impact rate              |  | low speed  | bpm   | S         |             |             |             |             |             |             |                 | 350 ~ 500 | 310 ~ 450 | 300 ~ 410 | 250 ~ 370 |           |           |
|                          |  |            |       | P         |             |             |             |             |             |             |                 | 380 ~ 700 | 330 ~ 500 | 310 ~ 490 | 330 ~ 450 | 250 ~ 370 | 280 ~ 370 |
|                          |  | high speed | bpm   | S         | 600 ~ 1,200 | 700 ~ 1,200 | 550 ~ 1,000 | 600 ~ 1,000 | 450 ~ 950   | 500 ~ 900   | 400 ~ 850       | 450 ~ 750 | 450 ~ 600 | 400 ~ 560 | 380 ~ 540 | 300 ~ 420 |           |
|                          |  |            |       | P         | 700 ~ 1,200 | 700 ~ 1,200 | 550 ~ 1,000 | 600 ~ 1,000 | 550 ~ 1,000 | 520 ~ 1,000 | 500 ~ 1,000     | 550 ~ 850 | 430 ~ 650 | 400 ~ 680 | 420 ~ 600 | 350 ~ 500 | 370 ~ 480 |
| Chisel diameter          |  | mm         | S     | 45        | 45          | 50          | 55          | 68          | 75          | 93          | 98              | 135       | 150       | 165       | 175       |           |           |
|                          |  |            | P     | 45        | 45          | 50          | 58          | 68          | 80          | 93          | 105             | 135       | 150       | 165       | 180       | 205       |           |
| Applicable Carrier Range |  | ton        | All   | 0.7 ~ 2.5 | 1.0 ~ 4.0   | 1.5 ~ 4.5   | 2.5 ~ 6.0   | 3.5 ~ 8.0   | 5.0 ~ 11.0  | 7.0 ~ 15.0  | 12 ~ 20         | 20 ~ 30   | 26 ~ 35   | 32 ~ 45   | 40 ~ 70   | 60 ~ 110  |           |
| (Optimal ragne)          |  |            |       | 0.7 ~ 1.2 | 1.0 ~ 2.5   | 1.5 ~ 3.0   | 2.5 ~ 4.5   | 4.0 ~ 6.0   | 6.0 ~ 8.0   | 8.0 ~ 12.0  | 12 ~ 16/12 ~ 18 | 20 ~ 26   | 26 ~ 32   | 32 ~ 40   | 40 ~ 60   | 65 ~ 85   |           |

※ Specifications above are subject to change without notice for quality improvement.