



- High axial pressure, high torque, high rotation speed and large hole diameter provide superior production efficiency for your mining operation.

- The dual power system of motor and diesel engine and optional air compressor with high/low pressure or low air pressure are efficient, energy-saving and eco-friendly.
- The constant-power variable electro-hydraulic proportional control system is used to adjust the operation parameters automatically according to the rock stratum.
- Three-point floating leveling chassis and high-strength truss drill frame are equipped to offer high reliability.
- Two rock drilling modes (roller bit rotation and down-the-hole impact) offer good adaptability to working conditions and wide adaptability to rock strata.

| Item                       |        | SWDRT200B                            |    |          |    | SWDRT250B       |  | SWDRT250        |      | SWDRT200E     |     | SWDRT270E       |     | SWDRT270EH      |     |      |
|----------------------------|--------|--------------------------------------|----|----------|----|-----------------|--|-----------------|------|---------------|-----|-----------------|-----|-----------------|-----|------|
| Drilling method            | -      | DTH/Rotary                           |    |          |    | Rotary          |  | DTH/Rotary      |      | Rotary        |     | Rotary          |     | Rotary          |     |      |
| Type of power              | -      | Diesel                               |    |          |    | Diesel          |  | Diesel          |      | Electric      |     | Electric        |     | Electric        |     |      |
| Dust collector             | -      | Dry (standard) water mist (optional) |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Main parameters            |        |                                      |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Rotary hole diameter       | mm     | 171-216                              |    |          |    | 200-250         |  | 200-250         |      | 171-216       |     | 200-270         |     | 200-270         |     |      |
| DTH hole diameter          | mm     | 165                                  |    |          |    | -               |  | 165-200         |      | -             |     | -               |     | -               |     |      |
| Maximum hole depth         | m      | 45                                   |    |          |    | 48              |  | 48              |      | 45            |     | 48              |     | 19              |     |      |
| Drilling angle(Optional)   | °      | 60-90                                |    |          |    | 60-90           |  | 60-90           |      | 60-90         |     | 60-90           |     | 90              |     |      |
| Rock hardness              | -      | f4~f20                               |    |          |    | f4~f20          |  | f4~f20          |      | f4~f20        |     | f4~f20          |     | f4~f20          |     |      |
| Tube diameter              | mm     | 140、159、178                          |    |          |    | 159、178、194、203 |  | 133、159、178、194 |      | 140、159、178   |     | 159、178、194、219 |     | 159、178、194、219 |     |      |
| Tube length                | m      | 9.14m×5                              |    |          |    | 10m×5           |  | 10m×5           |      | 9.14m×5       |     | 10m×5           |     | 10m×2           |     |      |
| Air compressor             |        |                                      |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Working pressure           | bar    | 24                                   | 8  | 24       | 8  | 8               |  | 7               | 25   | 20            | 8   |                 | 5   | 8               | 5   | 8    |
| FAD                        | m³/min | 34.6                                 | 32 | 34.6     | 32 | 43              |  | 38              | 36.5 | 31.1          | 32  |                 | 50  | 53.8            | 50  | 53.8 |
| Power                      | kW     | -                                    | -  | -        | -  | -               |  | 264             | 410  | 372           | 220 |                 | 250 | 310             | 250 | 310  |
| Power group                |        |                                      |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Brand                      | -      | CUMMINS                              |    | CAT      |    | CAT             |  | CUMMINS         |      | -             |     | -               |     | -               |     |      |
| Model                      | -      | QSM15CS3-755C                        |    | C15      |    | C18             |  | QSM11-C400      |      | -             |     | -               |     | -               |     |      |
| Power rating               | kW/rpm | 563/2100                             |    | 403/2100 |    | 571/2100        |  | 298/2100        |      | -             |     | -               |     | -               |     |      |
| Fuel tank volume           | L      | 1200                                 |    |          |    | 1800            |  | 1500            |      | -             |     | -               |     | -               |     |      |
| Motor power                | kW/V   | -                                    |    |          |    | -               |  | -               |      | 160/380       |     | 160/380         |     | 160/380         |     |      |
| Feed system                |        |                                      |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Drill frame length         | m      | 15                                   |    |          |    | 15              |  | 15              |      | 15            |     | 15              |     | 25              |     |      |
| Feed length                | m      | 11.6                                 |    |          |    | 11.6            |  | 11.6            |      | 11.6          |     | 11.6            |     | 21.5            |     |      |
| Feed rate                  | m/min  | 35                                   |    |          |    | 30              |  | 34              |      | 35            |     | 30              |     | 30              |     |      |
| Feed force                 | kN     | 135                                  |    |          |    | 220             |  | 220             |      | 135           |     | 350             |     | 350             |     |      |
| Maximum bit load           | kN     | 165                                  |    |          |    | 270             |  | 270             |      | 165           |     | 400             |     | 400             |     |      |
| Retract speed              | m/min  | 70                                   |    |          |    | 60              |  | 65              |      | 70            |     | 60              |     | 30              |     |      |
| Carrier                    |        |                                      |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Tramming speed             | km/h   | 3                                    |    |          |    | 2               |  | 2               |      | 3.2           |     | 1.5             |     | 1.5             |     |      |
| Gradeability               | °      | ≤20                                  |    |          |    | ≤20             |  | ≤20             |      | ≤20           |     | ≤20             |     | ≤20             |     |      |
| Ground pressure            | kPa    | ≤80                                  |    |          |    | ≤95             |  | ≤100            |      | ≤86           |     | ≤106            |     | ≤112            |     |      |
| Rotary head                |        |                                      |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Rotation speed             | rpm    | 0-160                                |    |          |    | 0-160           |  | 0-160           |      | 0-160         |     | 0-150           |     | 0-150           |     |      |
| Torque                     | kNm    | 8                                    |    |          |    | 11.8            |  | 11.8            |      | 8             |     | 13.8            |     | 13.8            |     |      |
| Power                      | kW     | 90                                   |    |          |    | 90              |  | 90              |      | 90            |     | 90              |     | 90              |     |      |
| Dimension                  |        |                                      |    |          |    |                 |  |                 |      |               |     |                 |     |                 |     |      |
| Weight                     | kg     | 40000                                |    |          |    | 65000           |  | 65000           |      | 45000         |     | 90000           |     | 96000           |     |      |
| L × W × H (work)           | m      | 15×5.5×6                             |    |          |    | 16.5×5.9×6.6    |  | 17×5.8×7        |      | 15×5.5×6      |     | 17×6.6×7        |     | 27.5×6.6×7.8    |     |      |
| L × W × H (Transportation) | m      | 10×5.5×15.3                          |    |          |    | 11.5×5.9×17     |  | 11.5×5.8×17.5   |      | 10.5×5.5×15.3 |     | 14.5×6.6×17.5   |     | 14.5×6.6×27.7   |     |      |