

DRILL JUMBO FAMJ 81



Features

- Anti-jamming with Rotation Pressure Controlled Feed Force;
- Separate pumps for percussion / positioning, rotation for independent control and maximum output;
- Hydraulic drifter with large flow, low pressure and double reflex dampening;
- Heavy duty box-type hydraulic feeder with high torsional resistance;
- Telescopic heavy duty booms for direct, fast and accurate positioning between holes.
- Four wheel drive, power steering, hydraulic release brake, four anchor cylinder for stable drilling.
- FOPS approved cabin, workings 2 x 70 halogen.

总部地址：山东省青岛市市南区燕儿岛路10号凯悦中心办公楼3803室 邮编：266071

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电话/Tel: +86(532)87900000 传真/Fax: +86(532)85777358

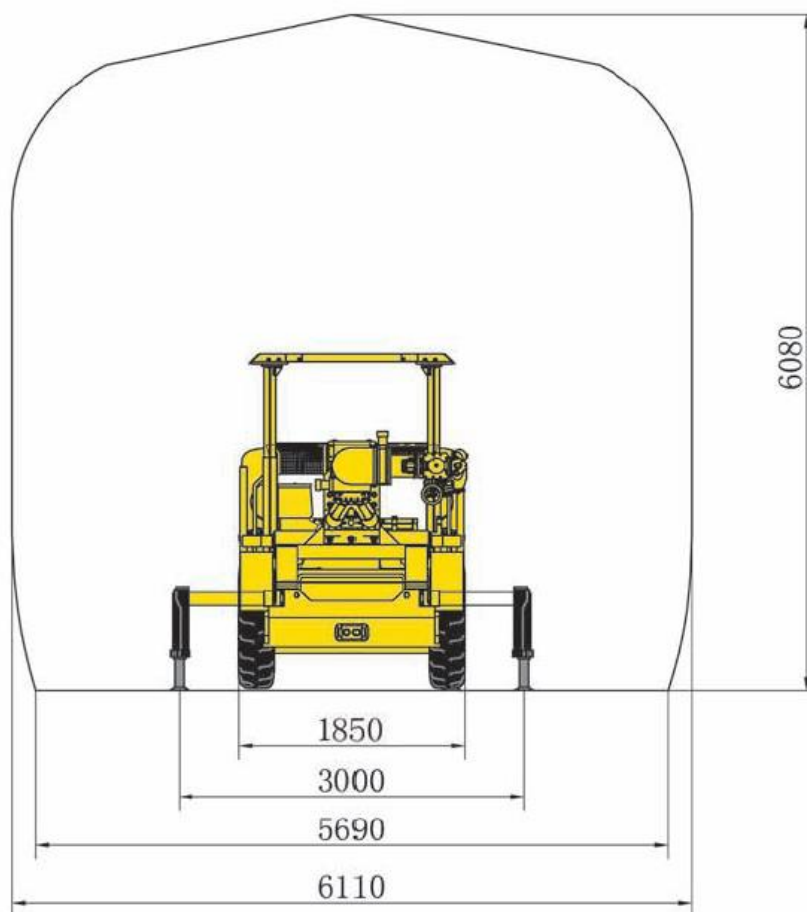
工厂地址：山东青岛市城阳区烟青路（正阳路南） 邮编：266109

Factory Add: Yanqing Road, Chengyang District, Qingdao, Shandong province, China. P.C.:266109

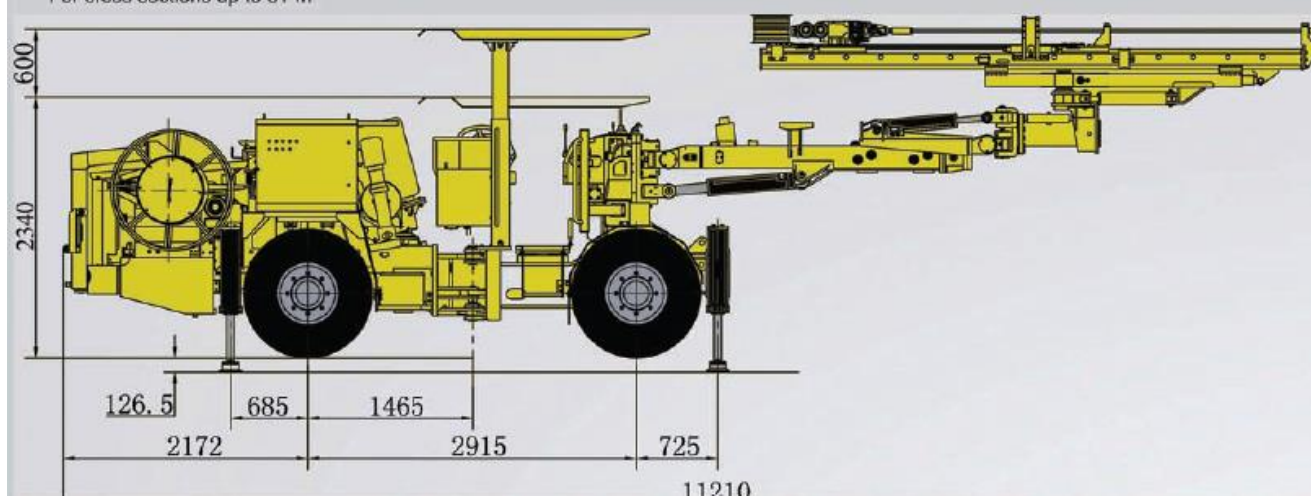
电话/Tel: +86(532)85784255 传真/Fax: +86(532)85784541

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Coverage area



For cross sections up to 31 m²



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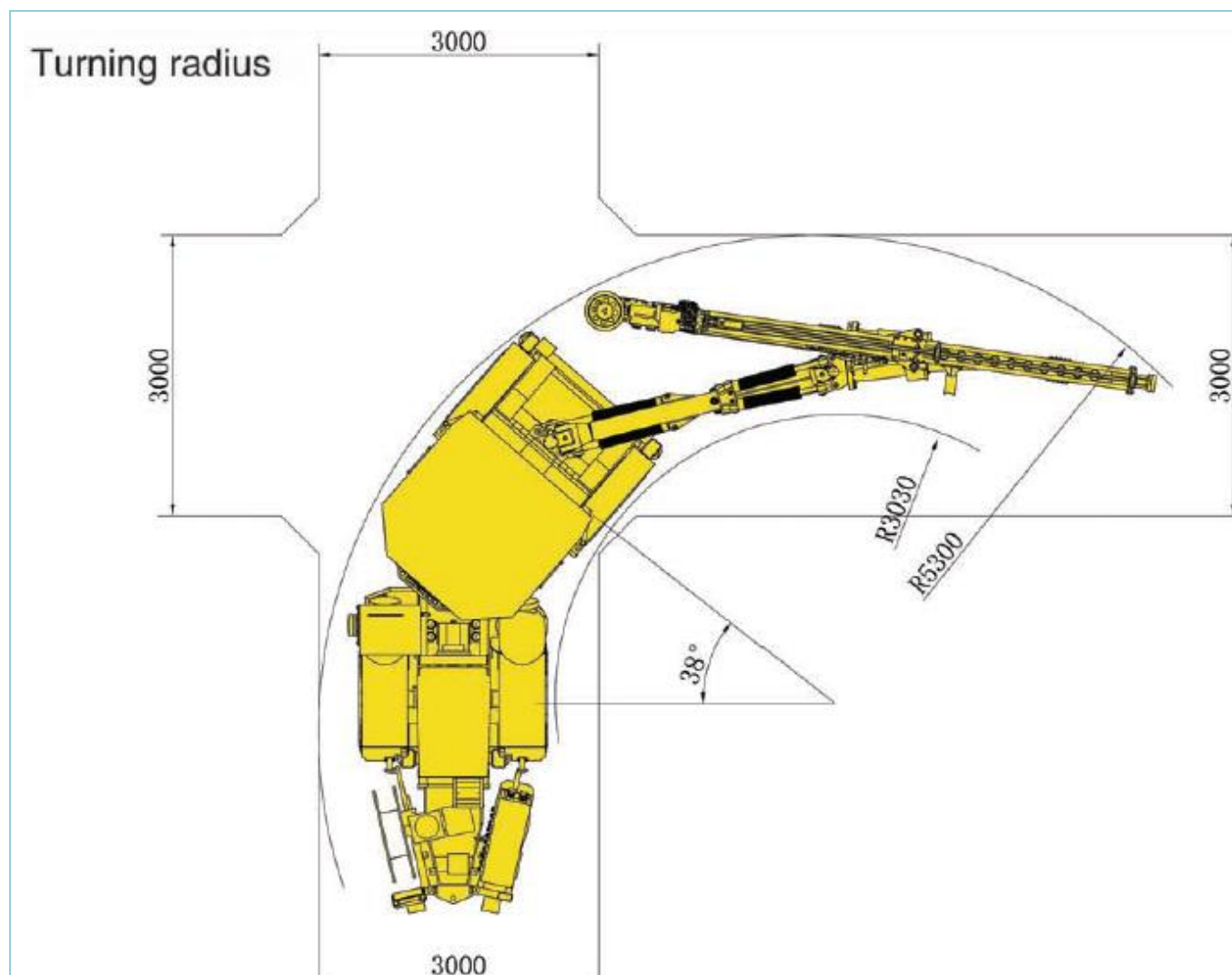
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Hydraulic Drifter

| | |
|--------------------------|-------------------|
| Shank adapters | R38, T45 |
| Height over drill center | 83 mm |
| Percussion power | 18.8 Kw |
| Percussion rate | 47 Hz |
| Max pressure | 150 bar |
| Rotation system | Separate rotation |
| Rotation speed, max. | 110 – 220 rpm |
| Rotation torque, max. | 610 Nm |

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| | |
|---|--|
| Lub. Air consumption (at 3 bar) | 5 L/s |
| Water consumption | 30 – 50 L/min |
| Weight | 165 Kg |
| Sound level | < 105 dB(A) |
| Feeder (HTB) | |
| Total length | 5105 mm |
| Drill rod length | 3700 mm |
| Hole length | 3300 mm |
| Weight (incl. drifter) | 595 Kg |
| Feed force, max. (at 100 bar) | 15 kN |
| Telescopic Boom | |
| Feeder extension | 1250 mm |
| Boom extension | 1250 mm |
| Parallel holding | Complete |
| Feeder roll-over | 360° |
| Max lifting angle | +65 °, -30 ° |
| Max swing angle | ± 35 ° |
| Weight, boom only | 1750 Kg |
| Hydraulic System | |
| Hydraulic pump | One variable pump for percussion and positioning, one constant flow pump for rotation. |
| Pumps | Unloaded at start |
| System pressure | 150 – 180 bar |
| Hydraulic oil tank volume, max. | 124 L |
| Low oil level indicator (incl. shut down when power is connected) | Available |

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| | |
|-----------------------------------|---|
| Oil temperature meter on oil tank | Available |
| Filtration | 20 μm absolute |
| Oil filter indicator | Available |
| Water cooled oil cooler | Available |
| Mineral hydraulic oil | Available |
| One operator control panel | Available |
| Air System | |
| Compressor capacity, max. | 0.5 m ³ /min at 7 bar |
| Air pressure gauge | Available |
| Water System | |
| Water booster pump | CDL 4-16 |
| Capacity, max. | 60 L/min at 12 bar boost |
| Min water inlet pressure | 2 bar |
| Carrier | |
| Engine | YTO, 4 cylinder, 4 stroke, 60 Kw@2200 RPM, 295 Nm@1650 RPM |
| Fixed seat for tramming | Available |
| Telescopic FOPS approved roof | Available |
| Horn | Available |
| Articulated steering angle | ± 38 ° |
| Hydrodynamic transmission | Available |
| Rear axle oscillation angle | ± 10 ° |
| Tire | 16/70 – 20 |
| Service brake | 2 separate circuits, caliper disc brake |
| Emergency and parking brake | Hand parking |

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| | |
|--|---|
| Fuel tank volume | 60 V |
| Electric system voltage | 24 V |
| Battery | 2 x 12 V, 70 Ah |
| Working lights | Halogen, 2 x 70W, 220 AC |
| Tramming lights | 8 x 70W, 24 V |
| Central lubrication | Available |
| Fire extinguisher | Available |
| Gradeability at max. load on drive wheels | 1:4 |
| Tramming speed on level ground | >10 Km/h (at rolling resistance 0.05), on incline 1:8 > 4.5 Km/h |
| Electrical System | |
| Total Power | 62 Kw |
| Main Motors | 55 Kw |
| Voltage | 380 V |
| Frequency | 50 Hz |
| Starting method – star/delta | 380 V |
| Thermal overload protection for electric motor | Available |
| Digital volt/ampere meter in electric cabinet | Available |
| Phase sequence indicator | Available |
| Earth fault indicator | Available |
| Battery charger | Available |
| Cable reel diameter | 1000 mm |
| Recommended cable size and length | |
| Specifications | 3x35+1x10 mm ² , diameter 38 mm |
| Length | 70 m |

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| Dimension & Weight | |
|---------------------------------|--|
| Width | 1850 mm |
| Height with roof (without roof) | 2940 mm (2340 mm) |
| Length | 11210 mm |
| Ground clearance | 280 mm |
| Gross weight | 12500 Kg |
| Front frame / power frame | 7500 Kg / 5000 Kg |
| Rock Tools | |
| Drill Rods | R38 – Hex35 – R32, hole diameter 45 mm |
| Shank adapters | Thread dia R38 / 38mm, length 435 mm |
| Couplings | Thread Dia R38 / 55 mm, length 170 mm |

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