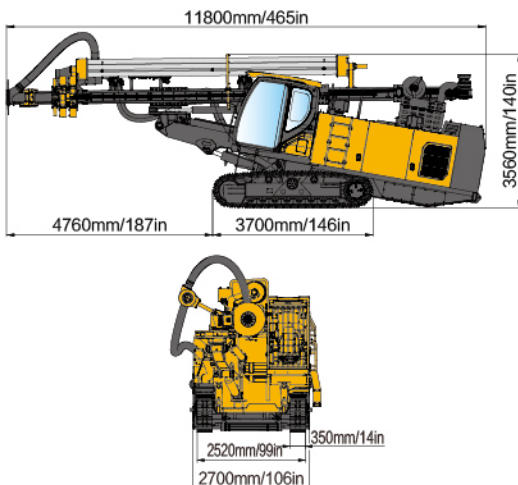


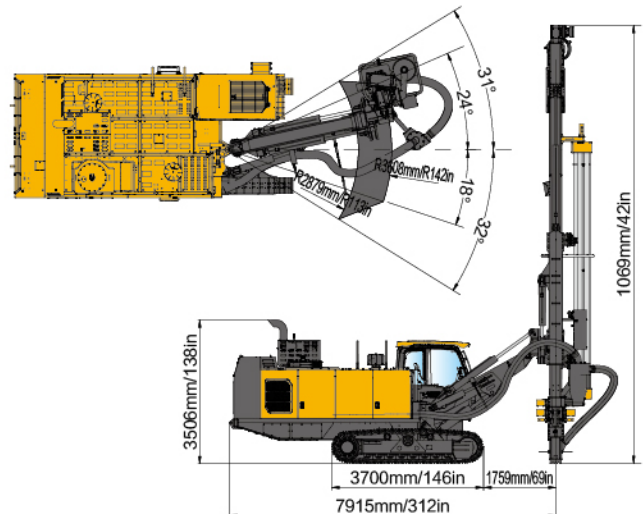


XQZ178 down-the-hole drill is an integrated high wind pressure down-the-hole drill developed for large metal mines. It uses dedicated crawler site, the pitch attitude is adjustable and has good passability; Equipped with Atlas two-stage screw air compressor, with strong air supply and high reliability; Equipped with XCMG X-eco drilling expert system, it has fast drilling speed, low fuel consumption, and comfortable operation, which can meet the drilling needs of various open-pit mines. Drilling diameter range $\phi 138 \sim \phi 178\text{mm}$, maximum drilling depth of 36m.

Item	XQZ178	
Hole range & depth		
Drilling diameter	φ 138 - φ 178 mm	φ 5.4 - φ 7.0 in
Max. hole depth	36 m	118.1 ft
Drilling pipes	φ 114(φ 102) × 6000	φ 4.5(φ 4) × 236 in
Number of pipes	5 + 1 Pcs	5 + 1 Pcs
Impactor	6"(5")	6"(5")
Engine		
Model	Cummins X12	Cummins X12
Rated power	383 kW@1800rpm	513 hp@1800rpm
Fuel tank capacity	760 L	200 gal
Air compressor		
Model	Atlas Copco two-stage screw type	Atlas Copco two-stage screw type
Rated air flow	24 m³/min	847.6 cfm
Max. air pressure	25 bar	363 psi
Air compressor oil volume	76 L	20 gal
Hydraulic system		
Max. working pressure of main pump	250 bar	3626 psi
Main pump flow	140 + 140 L/min	37+37 gal/min
Auxiliary pump flow	70 + 40 + 40 L/min	18.5+10.5+10.5 gal/min
Hydraulic oil tank capacity	400 L	105.7 gal
Electrical system		
Voltage	24 V	24 V
Batteries	2 × 12 V, 180Ah	2 × 12 V, 180Ah
Dust collector		
Filter area	28 m²	300 sq.ft
Number of filter elements	28 Pcs	28 Pcs
Feed		
Feed mode	motor + chain	motor + chain
Stroke	6600 mm	260 in
Total length	10600 mm	417 in
Max. pulling force	50 kN	11240 lbf
Max. feed force	40 kN	8992 lbf
Max. feed rate	0.9 m/s	2.95 ft/s
Rotary head		
Max. Torque	5800 N·m	4278 lbf·ft
Max. rotation speed	90 rpm	90 rpm
Undercarriage		
Max. traveling speed	3 km/h	2.7 ft/s
Max. climbable gradient	25 °	25 °
Track shoe width	350 mm	13.8 in
Overall track width	2520 mm	99 in
Overall track length	3700 mm	146 in
Cab		
Noise limits	≤ 85 dB	≤ 85 dB
Safety certification	FOPS	FOPS
Air-conditioning	Standard heating and cooling	Standard heating and cooling
Seat	Adjustable/Seat heating	Adjustable/Seat heating
Transport dimensions (L*W*H)	11800 × 2700 × 3560 mm	465 × 105 × 140 in
Weight (with standard configuration)	24.5 t	54013 lb



XQZ178 Transport dimensions



XQZ178 Working dimensions