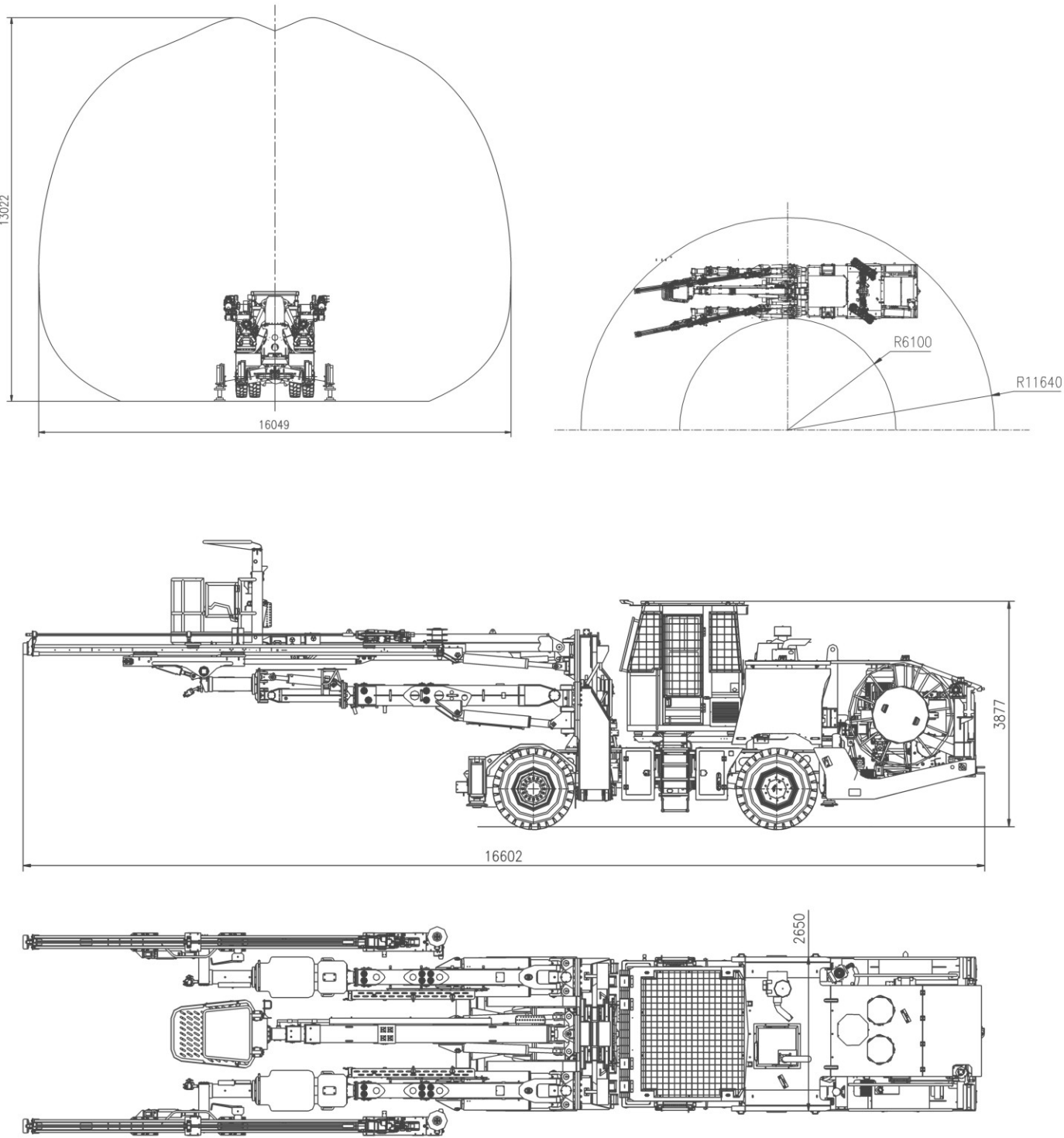


DJ2A L
Two-boom drill Jumbo

TECHNICAL DRAWING



Feeder and overall length					
Feeder model	BMH68-12'	BMH68-14'	BMH68-16'	BMH68-18'	BMH68-20'
Feed length	5485	6090	6700	7310	7920
Overall length	14650	15400	15850	16600	17210



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DJ2A L
Two-boom
drill Jumbo

Technical Specification



DJ2A L
Two-boom drill Jumbo



Stable and reliable tunnel construction equipment

KEY FEATURES

Coverage(H×W)(m)	13×16
Operating area(m²)	177
Hydraulic rock drill	HC110
Drill feed	12-20ft
Boom	Telescopic square
Hole length(mm)	3425-5860
Hole diameter (drifting) (mm)	43-140
Turning radius(l/O) (m)	6.1/11.64
Transport width(mm)	2650
Transport height(mm)	3877
Transport length(mm)	16602
Total weight (with basket boom)(kg)	43000 depending on options

DJ2A L Dual-Boom drill jumbo is ideal for drilling-blasting excavation of large and medium-sized tunnels. It features powerful performance, a reliable chassis, eagle-style booms base with multi-stage arms, and a maximum coverage area of 177m².

It is capable of comprehensive drilling and ground support features. include drilling blasting holes, anchor holes, grouting holes, pipe shed holes, advanced detection holes, etc.

TECHNICAL SPECIFICATION

Hydraulic rock drill

Type of rock drill	HC110x2	
Percussion power(kW)	27	
Percussion pressure(bar)	190	
Percussion rate(Hz)	72	
Stabilizer	hydraulic	
Rotation torque(N)	671	
Rotation speed(r/min)	292	
Hole size (drifting)	43-89	
Hole size (cut hole)	76-140	
Recommended rod	T36 - H35 - R32	T36 – R39 - R35
	T45 – R46 – T45	
Shank adapter	T38M/T45	
Weight(kg)	215	
Length(mm)	1093	
Profile height(mm)	100.5	

Drilling feed

Type of feed	Feed force (max.)(kN)	Total length (mm)	Holelength (mm)	Rod length (mm)	Net weight (kg)
BMH68-12	23	5485	3425	3700	640
BMH68-14	23	6090	4030	4305	670
BMH68-16	23	6700	4640	4915	700
BMH68-18	23	7310	5250	5525	730
BMH68-20	23	7920	5860	6135	760

Boom

Type of boom	Telescopic square
Parallel coverage(m²)	101
Parallelism	Hydraulic
Boom extension(mm)	1600
Feed extension(mm)	1600
Roll-over angle(°)	±180
Boom pitch(°)	-32/65
Boom swing(°)	±45
Boom weight,net(kg)	4260

Hydraulic system

Powerpack(kW)	2×90
Percussion pump(mL/r)	140
Rotation pump(mL/r)	50
Filtration size (pressure / return)(μm)	10 /10
Oil tank volume(L)	650
Oil tank filling pump	Electric
Cooler for hydraulic oil	Oil to water

Electric system

Voltage /Frequency(V/Hz)	380/50
Total input power(kW)	212
Electric cables (m)	80
Cable reel control (in/out)	Operator station and remote control at rear machine
Starting method	Y-△

Drilling control system

Type of control system	Hydraulic pilot control
Diagnostic system	Comprehensive
Drilling control mode	Manual collaring feed / Percussion control/ Anti-jamming system / Flushing control
Manual boom control	Direct control Hydraulic parallelism

Air and water flushing

Flushing of holes	By water
Type of water pump(kW)	7.5
Water pump capacity (L/min)	167
Water pump inlet pressure(bar)	Min.2
Flushing water pressure(bar)	10-15
Water outlet(bar)	5-15
Shank lubrication device	Air/oil mist
Air compressor	1.6m³/min at 8ar
Rock drill oil consumption(ml/L)	0.7
Rock drill air consumption(L/min)	300

Operator's safety cabin

Safety cabin	FOPS
Seat	Fully adjustable seat
Cabin audio system	MP3 with radio
Electricity outlets	220V(16A)

Carrier

Carrier type	Integrated
Rear axle oscillation(°)	± 5
Ground clearance(mm)	330
Diesel engine(kW)	142
Transmission	Hydromechanical
Tires	14.00-24
Service brakes	Hydraulically applied wet disc brakes
Tramming speed(km/h)	15
Gradeability / sideways tilt(°)	15/5
Fuel tank	150L
Tramming alarm	Standard
Colour scheme	CREG
Documentation	1 × Operator's manual 1 × Maintenance manual 1 × Parts manual (in English and according to customer needs)

Optional features and packages

Rock drill

Rock drill type	M27D/HC95SA/ S25DL/ HC95/ A18DL
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Drilling feed

Feed length(According to drill rod)	12’/14’ /16’ /18’ /20’
Rod retainer	Adapts to various feeds
Pipe umbrella system	Pipe following drilling system
User interface	Configurable

Utility boom

Safety canopy	FOPS canopy(static or sliding)
Spot lights	Standard
Service platform	Scalable service platform

Electric system

Multivoltage basic	400V/690V, 50 Hz/60 Hz
Electric cables	100m
Main motor	55kW/75kW/90kW depending on rock drill

Ground fault and overcurrent unit	Standard
Outlet on carrier	Standard
Spot lights	Standard

Air and water system

Air compressor	Configurable
End of hole air flushing	Configurable
Air mist flushing kit	Configurable

Cleaning system

HP system with reel	Up to 180bar
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Greasing system

Automatic system	Carrier, boom
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Fire suppression system

Spare hand held ffre extinguisher	1 × 7.7 kg or 9 kg (type ABC)
Manual or automatic system	Configurable
Automatic system	Configurable

Carrier

Diesel engine	Stage V
Cabin	Enclosed cabin
Tramming cameras	Rear, side and front
Rod rack	Standard