

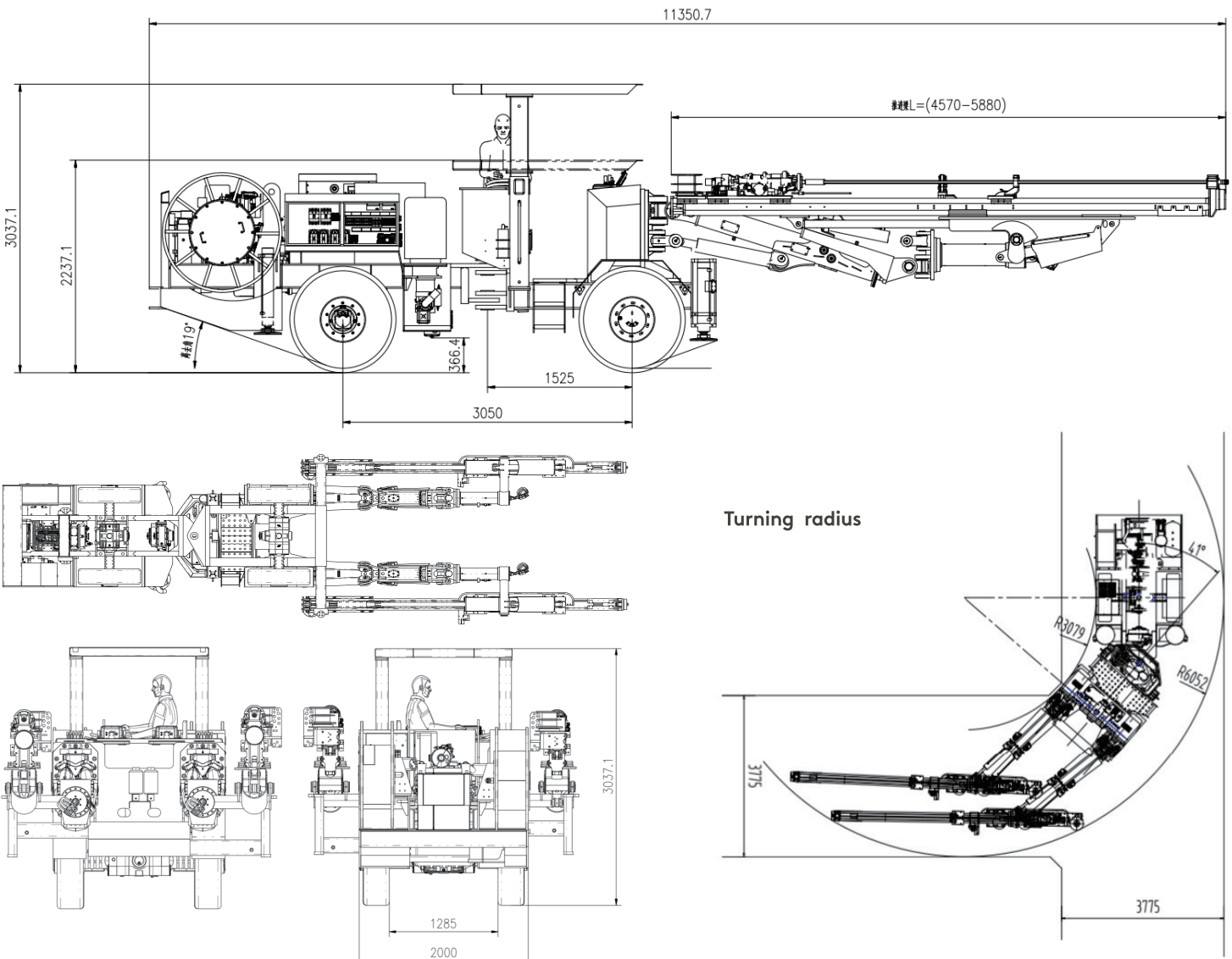
Scope of application

Suitable for 8m²-45m² mining roadway, water conservancy and hydropower, road and railway, underground cavern, tunnel boring hole operation, minimum working section 3m x 3m, maximum working section 8.7m x 6.3m.

Main features

- › Double-deck propelling beam configuration, adapt to the flexible matching of different lengths of drill pipes, and other specifications of propelling beams are optional, which can simultaneously meet the medium-sized section boring hole operation and anchor hole construction within 45m²;
- › Articulated chassis, compact body design and superior turning performance, more flexible transit;
- › Electronic control handle operation, integrated design, intelligent, efficient and flexible;
- › Intelligent man-machine interactive interface, rock drilling parameters flexible ratio configuration, maximise the efficiency of drilling;
- › Cab in line with FOPS/ROPS certification, engine fire suppression system configuration, safe operation of the whole escort;
- › Full range of rock drill and drilling tool protection procedures, stable drilling control system, equipment function is more powerful.

Measurements



Technical specifications

Main parameters	
Model	WD582
Length	11600mm
Width	2000mm
Height	2200mm/3000mm
Total weight	21.5t
Turning radius outer/inner	6100mm/3100mm
Wheelbase	3050mm
Gradeability	15° (Max)
Driving speed	15km/h (Max)
Ground clearance	300mm
Minimum coverage area	3m(H)×3m(W)
Maximum coverage area	6.3m(H)×8.7m(W)

Hydraulic system	
Hydraulic pumps	2 unit
System pressure, max	230bar
Hydraulic oil tank, volume max	345L
Return oil filter blockage alarm	yes
Water cooled oil	yes
Filtration	10µm
Mineral hydraulic oil	yes
Rock drill lubrication alarm	yes
Oil temperature	yes
Low oil level indicator	yes

Carrier	
96kW Diesel engine	YCF36130-T483
Articulated steering	±41°
Silencer	yes
Fixed seat for tramming	yes
Four-wheel drive	yes
Torque converter	yes
Gearbox	yes
Front axle (Includes fully enclosed multi-disc wet hydraulic brake and parking brake)	yes
Rear axle (Includes fully enclosed multi-disc wet hydraulic brakes)	yes
Approach angle	18°
Departure angle	18°
Hydraulic jacks, front	2 horizontally telescopic jacks, 2 vertical telescopic jacks
Hydraulic jacks, rear	2 vertical telescopic jacks
Service brakes	2 separate circuits
Fuel tank, volume	85L
Electric system	24V
Batteries	2×120Ah
Tramming lights	2×100W&2×30W
Working lights	6×30W
Spirit level	yes
Fire extinguisher	yes
Horn, beacon and reverse alarm	yes

Rock drill	
Type	U1838ME
Shank	T38
Drill range	φ 41mm- φ 76mm
Reaming range	φ 76mm- φ 127mm
Height over drill centre	95mm
Length without shank	1008mm
Impact power	18kW
Impact rate	60Hz
Rated hydraulic pressure	210bar
Maximum hydraulic pressure	230bar
Rotation system	Separate rotation
Rotation speed	0 ~ 215rpm
Rotation torque, max	1000Nm
Weight	170kg
Sound level	<106dB (A)

Air system	
Working pressure	8bar
Working flow	0.95m³/min

Water system	
Working pressure	1MPa-2MPa
Working flow	12m³/h

Feed	
Model	Double layered telescopic feed
Total length	4080mm (Min) /5880mm(Max)
Drill rod length	2500-4305mm
Hole depth	4030mm(Max)
Feed force	7kN-15kN

Drilling tools	
Drill rod	T38-H35-R32-4305
Drill bit	R32- φ 45
Reaming drill bit	R32- φ 89
Shank	T38
Connecting sleeve	T38-T38-190

Boom	
Boom extension	1250mm
Boom swing angle L/R	+45°/-45°
Max. lifting angle	-30°/+65
Feed extension	1500mm
Feed roll-over	360°

Electrical system	
Total installed power	126.1kW
Main motor	2×55kW
Voltage	380V (Standard) 660V (Optional)
Frequency	50Hz (Standard) 60Hz (Optional)
Starting method	star/delta
Thermal overload protection for electric motors	yes
Percussion hour meters	yes
Phase sequence indicator	yes
Earth fault indicator	yes
Transformer	0.3kVA
Mining cables	80m

Control system	
Electro-proportional hydraulic control system	yes
Automatic anti-jamming function	yes
Automatic drilling, automatic retraction, automatic stop impact, and waterless and non-lubricated non-impact functions	yes
Automatic recording of drilling depth and number of drilled holes	yes