

# ICM 260

Surface drill rig for mining and quarrying

Simple in use. Reliable and efficient surface crawler





# Air-conditioned operator cab

The ICM 260 is a hydraulic down-the-hole rig you can trust on to perform reliably, even in the most demanding mines and quarries.

The ICM 260 is a self-contained, down-the-hole crawler drill. It is a productive drill with optimum penetration rate and low drilling cost. The rig offers you reduced downtime and maximum availability. An operator cab with the centralised controls is provided as standard.

Efficient, hydraulic motor driven feed and rotation systems add to the drilling rate and the resultant productivity of the drill. Each track is driven by a powerful hydraulic motor and gearbox. An efficient water injection system effectively controls the dust.



## + Main benefits

**High performance** thanks to well-proven Epiroc technology and extensive experience

**High reliability** due to a tried-and-tested design and reliable, high-quality components

**Easy operation and maintenance** thanks to a simple design

# Simple in use

As a leading supplier to the mining and quarry industries, Epiroc designed the smallest hydraulic crawler drill, ICM 260 for drilling hole diameter from 95 mm to 115 mm. It fits in with ease for development and production drilling for aggregate, lime stone and open pit mining. The rig is easy to maintain and repair, which further serves to enhance a positive customer experience.



## + Safety in focus

The comfortable air-conditioned cab is equipped with safety switches, seat belt, fire extinguisher and emergency hammer, which adds to operator's safety. The Cab is equipped with rig safety where in it shuts automatically due to low oil levels or overheating of engine. The rig features a standard boom and feed system giving strength and stability during drilling. A light weight balance design, with no leveling jack coupled with compact transport dimensions make the rig movement smooth, and easy to transport from site to site.



## + Performance, an ideal choice to lower the total cost of ownership

The ICM 260 is the most compact and flexible hydraulic crawler drill. Its strength is a straight-forward hydraulic system with operator friendly controls. On-board, proven, and efficient compressor, and the high rotation torque of rotary head optimizes the overall productivity.

The 12 V DC battery-powered air conditioner cab is an added feature for the operator's comfort without engine power.



## + Easy Operation, repair, and troubleshoot

With continuous product development, this drill has evolved making it a trusted product in the market for a decade. This is the result of our Philosophy and principle of giving the end user a reliable rig that performs with maximum up-time. User-friendly operator's cab gives an advantage for easy drilling and tramming operations. Component location are positioned to allow for easy inspection, adjustment, and repair with simple circuits.

# Epiroc service

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment.

We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity – wherever you are.



# Technical specifications

## Main components

- Crawler-type undercarriage with track oscillation system.
- Cummins turbo-charged engine
- High-pressure compressor - XAHS 350 compressor
- Air-conditioned operator cab
- Hose chain
- Hammer - QL40, Prisma 4H, Prisma 4S
- Single section boom system.
- Chain feed system powered by hydraulic motor

- Steel feed beam which can be positioned horizontally for toe-hole drilling
- Water injection system with easy to maintain and reliable water pump for dust suppression
- Manual pipe handling rack
- Hydraulic-operated rotary head
- Back-up alarm

## General

	Metric	US
Maximum drill diameter	102-115 mm	4-4.5 in
Pipe diameter	76 mm	3 in
Pipe handling rack capacity	3 X 3 m drill pipe + 2.5 m starter pipe	118 X 118 in drill pipe + 98.4 in starter pipe

## Feed system

Type	Hydraulic cylinder feed with hose guide and double drill pipe support	
Feed extension	750 mm	29.5 in
Feed rate	0.3 m/s	59 ft/min
Maximum feed rate	0.6 m/s	118 ft/min
Maximum feed force (pull up) 12.7 kN (2855 lbf)	12.7 kN	2855 lbf
Total length	5115 mm	201.4 in
Travel length	3511 mm	138.2 in
Feed force (pull down)	18.1 kN	4069 lbf

## Volumes

Hydraulic oil tank	120 l	32 gal
Hydraulic system (total)	160 l	42.3 gal
Compressor oil	35 l	9.25 gal
Diesel engine oil	17 l	4.5 gal
Diesel engine, cooling water	35 l	9.25 gal
Diesel engine, fuel tank	210 l	55.5 gal
Traction gearbox	1.3 l	0.34 gal
Rotation gearbox	7.5 l	2 gal
Feed gearbox	1 l	0.26 gal
Lubrication tank (HECL+ECL)	7.5 l	2 gal

## Undercarriage

Maximum tramming speed	1.4 km/h	0.87 mph
Maximum traction force	44.4 kN	9981.5 lbf
Track oscillation	± 7.5	
Ground clearance	450 mm	17.8 in

## Rotary head

Rotary head	Connection thread	Hole range	Max rpm	Max torque, drilling	Max torque, breaking	Suitable for DTH hammer
HRH	2 3/8 API REG	102-115 mm	60	1450 Nm (1069.5 lb.ft)	2050 Nm (1512 lb.ft)	TD35, QL40, COP44, PRVLD4

## Water injection

Water tank capacity	Maximum water pump flow	Maximum water injection pressure	Lubrication
200 l (52.8 gal)	8 lpm at 950 rpm	28 bar (406 psi)	Oil bath lubrication

## Hydraulic system

Hydraulic oil cooler	Metric	US
Maximum ambient temperature	50°C	122°F
Gear pump 1	42 l/min	11 gal
Gear pump 2	42 l/min	11 gal
<b>Return and drainage filter</b>		
Filtration rate	10 µm absolute	

## Compressor

Atlas Copco XAHS 350, single-stage screw type high efficient compressor	Metric	US
Maximum working pressure	12 bar	175 psi
FAD, at normal working pressure	165 l/s	350 cfm

## Engine

Cummins turbo-charged, diesel engine, 6 BTA 5.9 C-169	Metric	US
Power rating at 2 100 rpm	124.3 kW	169 hp

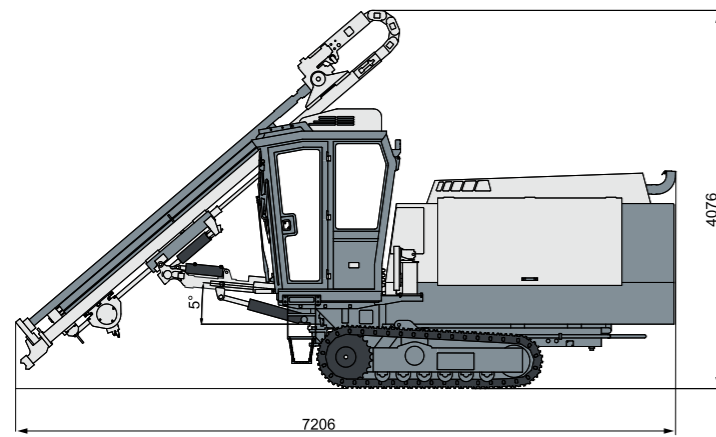
## Electrical system

Voltage	24 V
Batteries	2 x 12 V, 135 Ah
Alternator	24 V, 45 Ah
Work lights, front	3 x 60 W
Work lights, rear	1 x 60 W

## Cab

Features	
Air conditioned cab	
1 X wipers with washer (front windows)	
Clear laminated glass (front and side windows)	
Clear toughened glass (Rear windows)	
Height adjustable operator seat	
Cab light	
Rear view window	
Fire extinguisher with 6 kg (13 lb) dry chemical, ABE class III type	

## Technical specifications

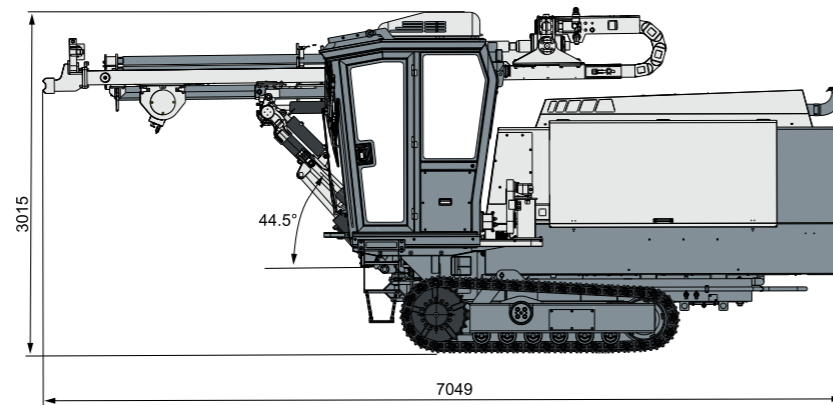


### Tramming position

	Metric	US
Height	4076 mm	160.5 in
Length	7206 mm	284 in

### Transport position

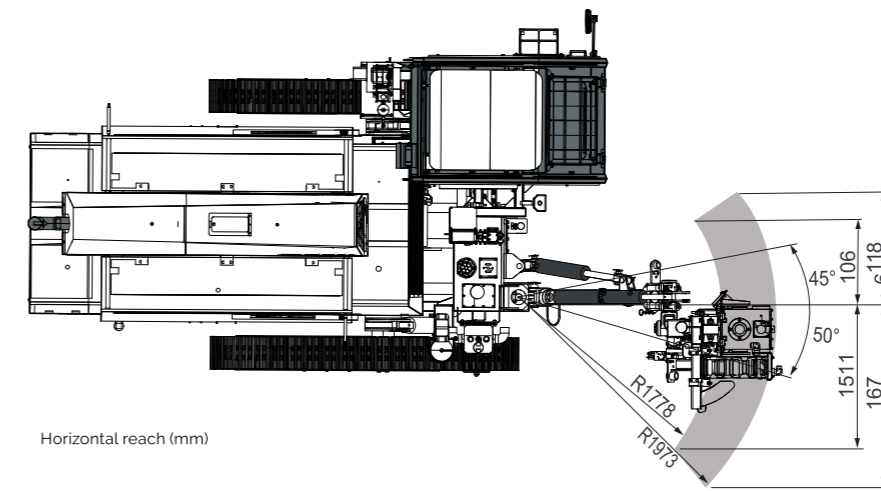
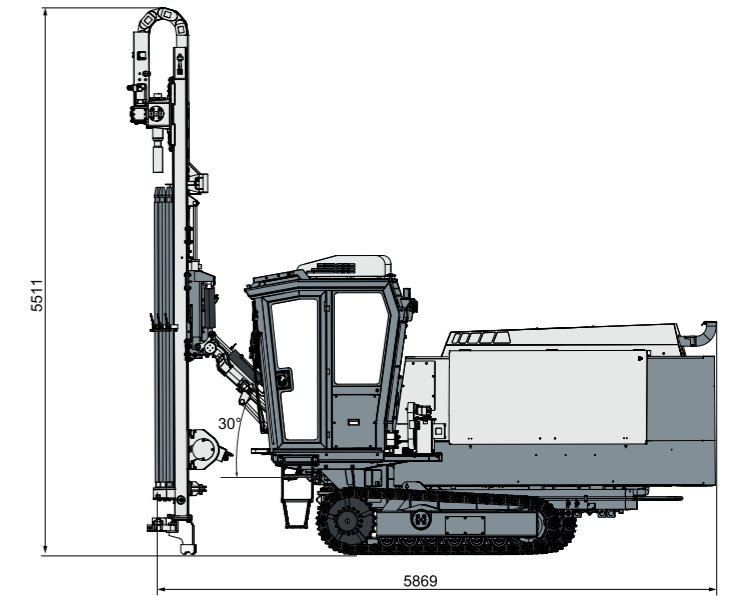
	Metric	US
Height	3015 mm	119 in
Length	7049 mm	277.5 in



## Technical specifications

### Dimensions and weights

	Metric	US
Height	5511 mm	216.9 in
Length	5869 mm	231 in
Width	2619 mm	103.1 in
Weight	8500 kg	18739.3 lb



Horizontal reach (mm)

## United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.  
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