

Atlas Copco Surface drill rigs

AirROC T35, D45 and D50



Hole diameter

AirROC T35, 64-102 mm (2 1/2"- 4")

AirROC D45, 105-127 mm (4"- 5")

AirROC D50, 105-140 mm (4"- 5 1/2")

Sustainable Productivity

Atlas Copco

Pioneer strength and agility

AirROC T35, the tophammer medium size air drill rig, with its unique VL 140 pneumatic rock drill is the pathfinder opening new horizons of drill efficiency.

AirROC D45 and AirROC D50 are down-the-hole drill rigs, that can work with ease on steep grades and the roughest of terrain. These machines are suitable for limestone, aggregate quarries and surface mining applications.

Rugged efficiency

Construction work or fine quarry drill work, this rugged drill rig navigates steep climbs and rough terrain efficiently. The Atlas Copco air compressor ensures fast and efficient drilling, and keeps going on for longer hours of work. Servicing, when needed is a quick one-man task.

Effectiveness built in

Tramming is effected by features like independent 11 hp piston air motor per track and an enclosed gear drive. Forward or reverse movement, the spring applied disc brakes always remain effective. Hydraulically cushioned track oscillation absorbs the shock loads and the oscillation may be locked out when a solid setup for drilling is desirable. A simple trap door centralizer is accessed at the touch of a foot.

Unique rock drill and rotation units

The unique Atlas Copco VL 140 air rock drill with a new cycle and piston design has a positive effect on the drill efficiency. Down the hole tasks are covered by BRH rotation units or by the ARH rotation units depending on the drill hole size. The ARH unit works a planetary gearbox, driven by a high power air vane motor for bigger holes.

Easy control. Ample power

Side mounted tramming controls provide easy access. During compressor towing a safety lockout switch blocks reverse motion. Hole collaring is made operator convenient by a fine feed regulator and prevents stuck steels. A piston type air feed motor drives a heavy roller chain, providing sufficient pullout power, and all the pull down ever need in drilling.

Main benefits

- The unique VL 140 rock drill takes up to 102 mm (4") hole diameter
- Application compatibility due to interchangeability between Tophammer and DTH
- Transportation is made easier by fixed length boom and drill width





Quick facts

Main application:

Limestone quarries
Surface mining
Aggregate quarries

Drilling method:

Down-the-hole Tophammer

DTH hammer:

QL 40
QL 50 STD
COP 44

Rock drill:

VL 140

Drill steel:

DTH : 76 mm, 89 mm, 102 mm
Tophammer: T38, T45

Hole diameter:

DTH : 105-140 mm
Tophammer : 64-102 mm

Maximum hole depth:

DTH : 29.4 m
Tophammer : 15 m

Options

Stable hole walls

The **water mist system** is the ideal tool for stabilizing hole walls when drilling in poor rock conditions.

Clean operating environment

The air operated **dry dust collector system** helps keep clean operating environment.