PowerROC D45 · DTH Surface Drill Rig

Down-the-hole rig for limestone, aggregate and cement quarries — 90–130 mm holes, 17 bar C146 compressor and RHS 6+1 rod handling.



Model	PowerROC D45 (down-the-hole / DTH)
Application	Limestone, aggregate & cement quarries, open pit mining
Hole diameter	90–130 mm (3.5″–5″)
Rotary head	DRU 5 (Tier 3: 100 rpm, 1,600 N·m drilling / 3,100 N·m breaking) or DHR6 H 45 (Stage V: 90 rpm, 2,500 N·m), API 2 3/8″ REG
DTH hammer	DHD 3.5C (90–100 mm), DHD 4 (105–130 mm), COP 44 Gold (110–130 mm) — ordered separately
Max hole depth	29 m with 4 m Ø76 mm rods (Tier 3); single pass 4.3 m
Feed	Hydraulic chain feed, max feed rate 0.88 m/s, feed force 12 kN, tractive pull 18 kN, total length 7,560 mm

Rod handling	RHS 6+1 carousel, 4 m rods (Ø76 mm Tier 3 / Ø89 mm Stage V)
Compressor	Atlas Copco C146 screw type, max 17 bar, FAD 231–250 l/s
Engine	Cummins QSL8.9-C325, 234 kW / 314 hp (Tier 3) or CAT C7.1, 205 kW / 275 hp (Stage V)
Dust collector	DCT 150, 15 m^2 filter area, 350 l/s suction capacity
Transport dimensions	3,445–3,500 mm high × 9,250–10,300 mm long × 2,500 mm wide
Operating weight	14,300 kg (Tier 3) / 14,800 kg (Stage V)
Fuel tank	500 l

Specifications shown are typical values for this machine class. Request the full datasheet for certified figures before ordering.

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