FLEXIROC T45

Surface drill rig for quarrying and construction.

Folding boom
Hole diameter: 89–127 mm (3½”– 5”)

Fixed boom
Hole diameter: 89–140 mm 3 ½”– 5 ½”
FIELD STUDIES SHOW THAT THE FLEXIROC T45, DEPENDING ON ROCK CONDITIONS, USES UP TO 50% LESS FUEL THAN ITS PREDECESSOR THE ROC F9 – WITHOUT LOSING POWER.

The FlexiROC T45 only uses the exact amount of energy that the work demands. Add to that a dependable construction that guarantees high availability, a wide range of use and a cabin environment with the operator in mind – and you’ve got a machine that will give you the lowest possible costs and the least amount of headaches per cubic meter produced.

**MAIN BENEFITS**
- Lowest possible fuel consumption and highest possible fuel efficiency
- Continuously delivers result due to robust hydraulics and reliable control system
- High availability guaranteed thanks to the dependable construction
ATLAS COPCO SERVICE

EFFECTIVE AND VERSATILE IN ALL CONDITIONS

THE FLEXIROC T45 IS DESIGNED AND CONSTRUCTED FOR HIGH PERFORMANCE IN CONSTRUCTION WORK. IT IS ALSO AN EFFECTIVE ALTERNATIVE FOR MEDIUM SIZE OPEN PIT MINES. EVEN IN THE WORST TERRAIN CONDITIONS, THIS RIG CAN WORK EFFECTIVELY THANKS TO THE REACH OF ITS LONG BOOM AND LOW CENTRE OF GRAVITY.

+ FLEXIBILITY FOR LONG-TERM PRODUCTIVITY

The FlexiROC T45 is equipped with Atlas Copco's dependable and highly productive rock drill control system, COP Logic. Upgradable and prepared for the future, this is the market's most advanced system. A proportional management of feed, torque, and impact enable the rig to drill more efficiently even under the most demanding conditions.

+ BUILT TO PROTECT YOUR CORE BUSINESS

A world-class drill rig has to have a world-class cabin. A comfortable and efficient operator is crucial for maximum productivity. The clean lines of the FlexiROC T45 cabin are the result of a focus on ergonomic user-friendliness.

+ LESS IS MORE

Compared to other rigs on the market, the FlexiROC T45 has 50% fewer hoses and 70% fewer couplings. The advantages are many. This construction reduces the risk for leakage and because hydraulic functions and electronic modules are located in proximity to their function, the components are easier to get at for maintenance.

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TECHNICAL SPECIFICATIONS

MAIN COMPONENTS

- Crawler type two speed undercarrige with track oscillation system
- Catapiller turbo charged diesel engine
- Atlas Copco screw type compressor
- Dust pre separator
- Combined warning sound and warning light
- Flexiboom system/folding boom system
- Air flow switch
- Rock drill lubrication system

- COP Logic
- Two axis drilling system
- Casualty type rehandling system
- Hydraulic double drill stead support with movable dust collector hood
- Double hose drum
- Dust collection system
- Operator’s cabin, ROPS and FOPS approved

- DUST COLLECTOR DCT 200

- HYDRAULIC SYSTEM

- RETURN AND DRAINAGE FILTERS

- Filter area 20 m² 215 sq.ft

- Suction capacity at 500 mm wg 540 l/s 1144 cfm

- Cleaning air consumption 2-4 l/pulse 0.06 - 0.12 cu.ft/pulse

- Fan suction capacity 125 l/s 265 cfm

- Cooling capacity 5.5 kW

- ELECTRICAL SYSTEM

- Alternator 28 V, 105 Ah

- Batteries 2 x 12 V, 185 Ah

- AIR CONDITIONER

- FILTER AREA

- AIR CONDITIONER

- Refrigerant R134a

- Cooling capacity 6.9 kW

- Fan suction capacity 265 l/min
**TECHNICAL SPECIFICATIONS**

**FlexiROC T45**

Double hose drums with a slot for each hose extends the life of the hoses and does not require greasing.

Ergonomic FOPS/ROPS cabin with great visibility and that is easy to operate.

Reduced number of hoses and couplings for better serviceability.

**SAFETY CABIN**

- ROPS and FOPS approved with rubber vibration dampers
- Clear laminated glass (front and roof windows)
- Clear toughened glass (side- and rear windows)
- Fully adjustable operator’s seat
- Adjustable foot rest
- Cabin light
- Rig inclination indicator
- Rear view mirror
- Fire extinguisher, 6 kg (13 lbs) dry chemical type ABE class III type
- Outlet socket, 24 V
- Central lubrication system, type HydroScand
- Thread greasing devise ECG (with oil)
- Thread greasing devise, brush type (with grease)
- PAR Oil S
- PAR Oil M

**HEIGHT AND LENGTH**

<table>
<thead>
<tr>
<th></th>
<th>Metric</th>
<th>Imperial</th>
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<tbody>
<tr>
<td>Flexi boom</td>
<td>3 300 mm</td>
<td>10’ 8”</td>
</tr>
<tr>
<td>Length (L1)</td>
<td>13 700 mm</td>
<td>45’ 2”</td>
</tr>
<tr>
<td>Folding boom</td>
<td>3 300 mm</td>
<td>10’ 8”</td>
</tr>
<tr>
<td>Length (L2)</td>
<td>17 300 mm</td>
<td>57’ 0”</td>
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</table>

**WEIGHT**

<table>
<thead>
<tr>
<th></th>
<th>Metric</th>
<th>Imperial</th>
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<tbody>
<tr>
<td>Standard and excluding all options and drill steel</td>
<td>33 000 kg</td>
<td>73 100 lb</td>
</tr>
<tr>
<td>FlexiROC T45 fixed boom</td>
<td>16 000 kg</td>
<td>35 000 lb</td>
</tr>
<tr>
<td>FlexiROC T45 folding boom</td>
<td>17 500 kg</td>
<td>38 500 lb</td>
</tr>
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</table>

**SELECTION OF OPTIONS**

**Environment conditions**
- Diesel driven engine heater
- Arctic hydraulic oil, VG 32
- Tropical hydraulic oil, VG 68
- Biological hydraulic oil, VG 46

**Delivered equipment, not mounted**
- Gas charging equipment for rock drill
- First 50 hours service kit for compressor
- Conversion kit T45
- Conversion kit T51
- Conversion kit T60
- ROC Manager with bench plan
- RCS Manager with bench plan
- RCS service tool box
- Electrical tool kit
- Rock Drill control system
  - Progressive COP Logic

**Carrier**
- Hydraulic support leg
- Hydraulic wrench, radio remote-controlled with towing eye and wire guides
- Electric refuelling pump
- Track chains with single/triple grouser pads
- Extra L.E.D work lights
- Water mist system, 225 l

**Hole measuring systems**
- Laser receiver upgrading kit
- GPS compass for parallel holes

**Feed**
- Wide feed foot
- TAC guide tube guides for drill steel support
- TAC 64 mm for 64 mm guide tube
- TAC 76 mm for 76 mm guide tube
- TAC 87 mm for 87 mm guide tube

**Lubrication**
- Central lubrication system, type HydroScand
- Thread greasing devise (with oil)
We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.

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