

ATLAS COPCO SIMBA E7C



Features

Hydraulic long hole production drill rig for medium to large size drives, with excellent cover area and flexibility. Hole range from 51mm up to 127mm. The Simba E-Series is equipped with a boom-mounted drilling unit for improved versatility, adaptable to any challenge for example drilling parallel holes upward and downward up to 4.5m spacing.

Specifications

- Weight 27,300 kg
- Width 2550mm
- Height: 3100mm with cabin
- Length for transport: 12,748mm
- Deutz TCD 2013 L04 ZV Stage III Atier 3 (120kW)
- Max tramming speed on flat: 15km/h
- Max tramming speed on incline 1:8: 5km/h
- Carrier, 4 wheel drive, articulated steering (41°), automatic differential, back on front axel, limited slip
- Certified FOPS/ROPS approved cabin, noise level <80dB
- 1000 volt electric hydraulic operation. Total installed power 158kW (main motors 2x75kw)
- Low voltage system 24v
- Four mounted stingers for a rock solid drilling set up

- Atlas Copco Rig Control System (RCS)
- 1838VS and 2550VS drifters using T38, T45, T51 running gear
- 4050 drifter with ST58 and ST68 available
- Mechanised drilling up to 51m
- Sandvik 65L M-Series fire suppression
- Hydraulic water booster pump. Capacity at 15 bar 250L/min, min inlet pressure 2 bar
- Laser offsets relative to hole collars:

Back Height	Dump Angle				
	0°	5°	10°	15°	20°
4.5m	6.0m	6.2m	6.4m	6.7m	6.9m
5.0m	6.0m	6.2m	6.5m	6.8m	7.1m
5.5m	6.0m	6.3m	6.6m	6.9m	7.3m

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LASER OFFSETS relative to hole collars

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4.5m	6.0m	6.2m	6.4m	6.7m
5.0m	6.0m	6.2m	6.5m	6.8m
5.5m	6.0m	6.3m	6.6m	6.9m

DIMENSIONS	Simba ME7	Simba E7	Simba E7-ITH
Measurement	2 515 mm	2 550 mm	2 550 mm
Width	12 270 mm	12 748 mm	13 700 mm
Length, tramming	3 100 mm	3 100 mm	3 100 mm
Height with cabin	2 494 / 2 594 mm	2 578 / 3 078 mm	2 578 / 3 078 mm
Height roof up/down	265 mm	300 mm	300 mm
Ground clearance	7 625 / 4 750 mm	8 300 / 4 700 mm	

TRAMMING SPEED

Chiral ground (Rolling resistance 0.05)	>15
Chiraline 1:8	>6

GROSS WEIGHT (DEPENDING ON CONFIGURATION)

Rig type	Total	Boomside	Engine side
Simba ME7	27 000 kg	18 000 kg	9 000 kg
Simba E7	27 300 kg	18 300 kg	9 000 kg
Simba E7-ITH	27 500 kg	17 500 kg	10 000 kg

