

# FLEXIROC T35 SURFACE DRILL RIGS

TECHNICAL SPECIFICATION



# Technical specifications

## Main Components

- Track frames with single grouser pads and cleaning holes .
- Hydraulic track oscillation and two speed traction.
- screw type compressor
- Operator's cabin, ROPS and FOPS approved.
- LED worklights.
- Folding boom system.
- Aluminum profile feedbeam
- Hydraulic cylinder feed system
- Carousel type rod handling system, 1+7 rods.
- Hydraulic rock drill.
- Dust collection system.
- Dust preseparator.
- Double hydraulic drill rod support with movable down support.
- Service lamp inside canopy.
- Rock drill oil collecting system.
- Rubber skirt for DCT.
- COP Logic.

## Hole range (recommended)

	Metric	US	US
Hole diameter	Ø 64-115 mm	Ø 2.5"-4.5"	T38, T45, T51
Hydraulic rod handling system for max hole length, with 3,6 m (12') ext. rods	28 m	92'	T38, T45, T51
Hydraulic rod adding system for max hole length, with 6,1 m + 4,2 m (20' + 14') - FlexiROC T35 - LF	10 m	33'	T38, T45, T51

## Hydraulic rock drill

Rock drill	Hole diameter		Impact power	Hydraulic pressure, max		Impact rate, max	Torque, max		Weight approx	
COP SC19	Ø 64-115 mm	Ø 2.5"-4.5"	19 kW/25.5 hp	230 bar	3 336 psi	42/50 Hz	1970 Nm	1453 lbf/ft	188 kg	384 lb
COP SC19X									250 kg	551 lb
COP SC25-HF	Ø 64-89 mm	Ø 2.5"-3.5"	25 kW/33.5hp	240 bar	3 481 psi	55/71 Hz	1550 Nm	1143 lbf/ft	189 kg	417 lb
COP SC25X-HF									250 kg	551 lb

## Engine

Caterpillar turbo charged diesel engine	
CAT C7.1 Tier 4 Final/Stage 5 (EU/US cert.)	168 kW/225 hp (at 2 200 rpm)
CAT C7.1 Tier 3/stage IIIA	

## Compressor

OIS K-36-C111GD, screw compressor	Metric	US
Working pressure, max	10.5 bar	152 psi
FAD, at normal working pressure	127 l/s	270 cfm

## Feed

	Metric	US
Feed extension	1400 mm	55"
Feed rate, max	0.92 m/s	184 ft/min
Feed force, max	20 kN	4 400 lbf
Tractive pull, max	20 kN	4 400 lbf
Total length	7 140 mm	281"
Travel length	4 240 mm	167"

## Electrical system

Voltage	24 V
Batteries	2 x 12 V, 185 Ah
Alternator	28 V, 95 Ah
Work lights, front	4 x 70W
Work lights, rear	2 x 70W
Work lights, feed	2 x 70W
Warning lamp and reverse buzzer	

## Volumes

	Metric	US
Hydraulic oil tank	250 l	65.0 gal
Hydraulic system, total	300 l	79.0 gal
Compressor oil	24 l	6.3 gal
Diesel engine oil	28 l	7.4 gal
Diesel engine, cooling water	35 l	9.2 gal
Diesel engine, fuel tank	370 l	98.0 gal
Traction gear	3 l	0.8 gal
Lubrication tank (ECL)	10 l	2.6 gal

## Dust collector DCT 110

	Metric	US
Filter area	11 m <sup>2</sup>	118 sq.ft
Suction capacity at 500 mm wg	560 l/s	1200 cfm
Suction hose diam	127 mm	5"
Cleaning air pressure, max	7.5 bar	109 psi
Cleaning air consumption	2-4 l/pulse	0.06-0.12 cu.ft/pulse
Number of filter elements	11 pcs	

## Hydraulic system

Return and drainage filters (filtration rate)	16 µm absolute
Hydraulic oil cooler max ambient temperature	50°C (122°F)