CM-50

HYDRAULIC CFA ROTARY RIG

A new model

On the basis of the experience gained with the series CM-45, 46 and 48 the new rig CM-50 represent the last development of the equipment series with continuous auger.

The equipment, which is assembled on a Soilmec base, has been designed in order to perform:

- Continuous flight auger piles
- D.T.H.

The new CM-50 compared with the old model has the following improvements:

- more powerful engine
- 30% more hydraulic oil flow
- drilling speed: 42 rpm (+66%)
- higher torque (+25%)

OPTIONAL

- Track shoes 900 mm wide.
- Grids for the cab front protection.
- Air conditioning or heating system for the cab.
- Two-axle electronic inclinometer in the cab.
- Electronic power pack for the control of the extraction pull; it is provided with visual and sound alarms in case of fortuitous overloading.
- Side ladder on mast complete with parachute.
- 4" or 5" concrete pipework on the mast, supplied with insulation, upon request, in case of tropical climates.
- Auger cleaner.
- Power take off for the VTH-1 vibrator to carry out the cage driving.

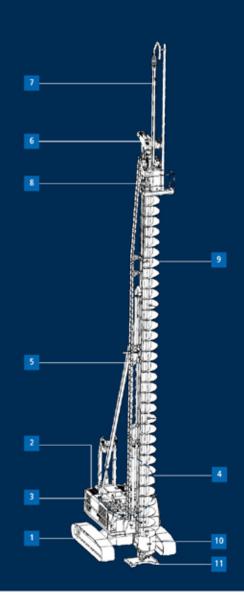
DRILLING PERFORMANCES			
Max. pile depth	m	25 (with 6 m extension)	
Max. pile depth w. auger cleaner	m	23,5 (with 6 m extension)	
Max. pile diameter	mm	900	
Max. extraction force	kN	510	
INDERCARRIAGE			
Overall length	mm	4660	
rack shoe width	mm	700	900
verall width (opened tracks)	mm	4000	4200
Overall width (closed tracks)	mm	2500	2900
Ground pressure	MPa	0.07	0.05
DIESEL ENGINE			
Make / Model		Cummins QSB5.9C	
Max. power	kW (HP)	153 (205) @ 2200 rpm	
TYDRAULIC PUMPS			
Main pump	lt/min	320	
Norking pressure	bar	300	
Auxiliary pump	lt/min	35 + 23 + 23	
MAIN WINCH			
Max. nominal pull	kN	102	
Vominal rope speed	m/min	70	
Rope diam.	mm	19	
SERVICE WINCH			
Max. nominal pull	kN	41	
1st layer nominal rope speed	m/min	67	
Rope diam.	mm	16	
ROTARY TABLE			
Max. torque	kNm	100	
Max drilling speed	rpm	41	
Max. nominal extraction pull	kN	510	
DIMENSIONS AND WEIGHT			
ransport width (with 700 mm shoes)	mm	2500 (2900 with 900 mm shoes)	
ransport height	mm	3190	
Operating weight	ton	39	
ransport weight	ton	33	3,5

CM-50

HYDRAULIC CFA ROTARY RIG

- Undercarriage with expandable tracks.
- 2 Counterweight.
- 3 Hydraulic power pack powered by CUMMINS QSB5.9 diesel engine complete with soundproof canopy and mounted on the new heavy duty 360° slewing ring.
- 4 Winch assembly.
- Self erecting mast, which is designed to allow the max. torque along its complete length.
- 6 Sheave cathead.
- 7 Auger extension.
- 8 Rotary head.
- 9 Continuous Flight Auger
- 10 Openable lower guide
- 11 Telescopic foot element

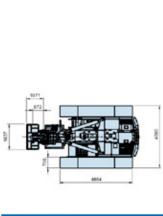


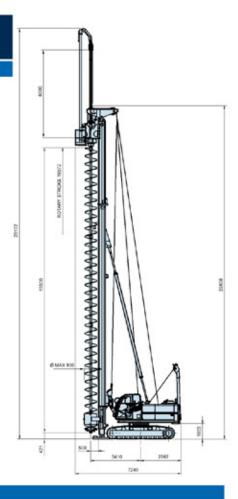


CM-50

HYDRAULIC CFA ROTARY RIG

Working Condition





Transport Condition

