

## **Mini Pantofore**

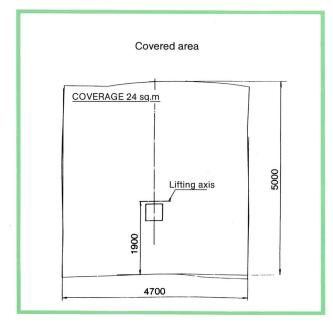
High performance hydraulic drilling in underground sections 8 to 24 m<sup>2</sup>...

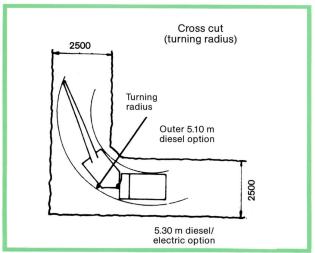




Main drilling applications : development, roof bolting, blast holes either in drifts or cross cuts, easily and economically carried out with the MINI PANTOFORE in 8 to 24 M² tunnels.

- A mass produced small dimension MINI PANTOFORE performing like a "jumbo."
- A modern yet robust design : a long service life guarantee.
- Small size: easy access to any working area.
- Easily manœuvered whatever the ground condition (4 driving wheels with anti spin device, articulated chassis: fast travelling
- Possible towing (spring brake release).
- Easy access to all the machine components (fast and simplified maintenance).
- Both diesel or diesel/electric machines available.
- A low tooling cost per drilled metre and high unequalled performances owing to the HC 40 drifter.
- Telescopic universal boom BUC 24 (covered area 24 m²) with parallel feed displacement.
- Drilling holes up to 89 mm dia.



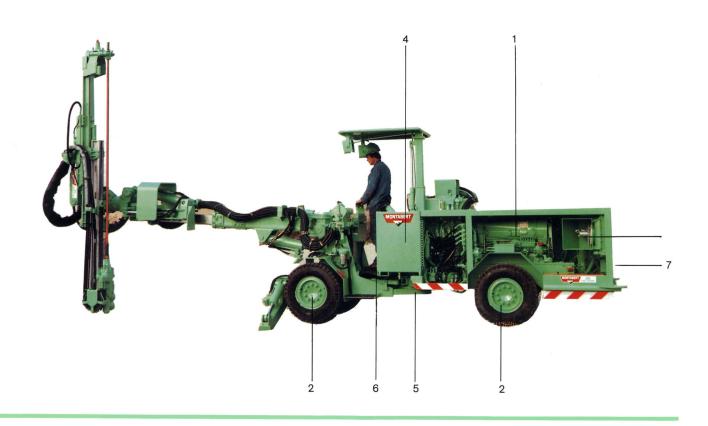


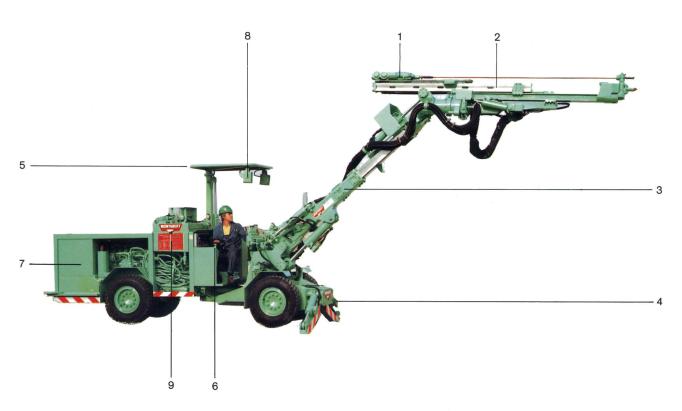
- 1. Diesel engine (60 kW/82 HP) or diesel/electric engine. (40 kW-55 HP/45kW-60 HP) depending on selected option.
- 2. Hydrostatic transmission carrier with 4 driving wheels. Fail safe brake on each hydraulic motor. Series-parallel connection to prevent skidding.
- 3. Air/oil cooling (tramming).
- 4. Diesel oil tank.
- 5. Two articulated welded chassis, fully protected no part, no mechanical component exposed to shocks during
- 6. The two chassis are articulated by means of a live ring and steering cylinder.
- 7. Option: exhaust fumes extractor evacuating into a vented galery or directly into a vent pipe away from the machine working area.

- 1. HC 40 hydraulic drifter.
- 2. ACH feed (several lengths available) fixed or telescopic.
- 3. Universal telescopic boom BUC 24 (covered area 24 sq.m) with ACH and HC 40. Option : BUC 16 universal boom (covered area 16 sq.m) with ACH and HC 40 or ACT feed
- 4. Two front hydraulic stabilizers unfolding sideways. Wide base with good stability while drilling.
- 5. Protection roof (option): high position during drilling, retracted
- during travelling.
  6. Ergonomical control box : excellent visibility. For more safety, access to the control box is possible on either side of the machine. Floor at a low height.
- 7. Water scrubber.
- 8. Headlamps
- 9. Hydraulic oil tank.

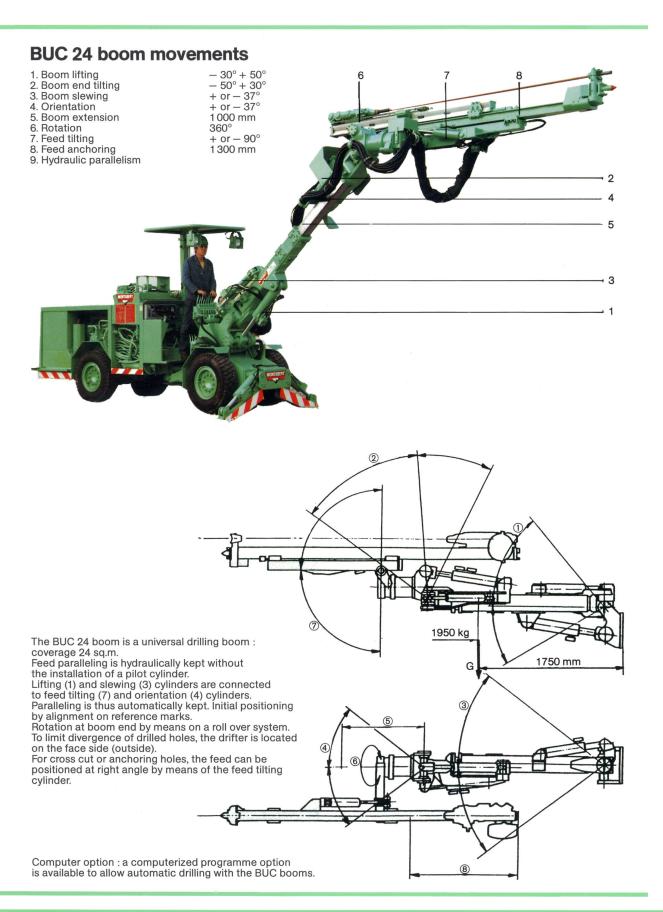
### Le Mini-Pantofore :

Designed and built to last. High production at the lowest cost.

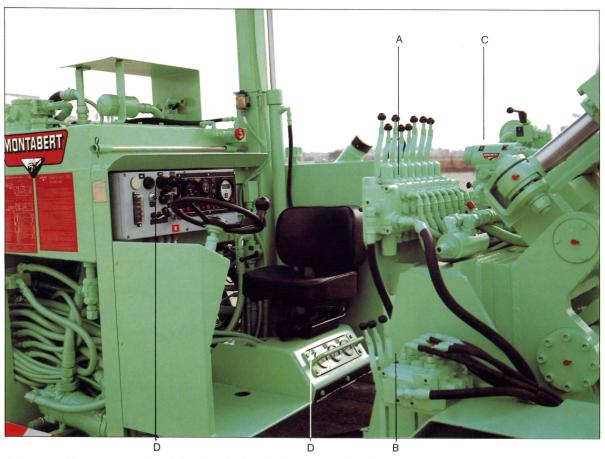




#### The BUC 24 boom



## A well studied controls stand to drill safely and comfortably



- A. Boom and feed movement controls (2 x 2 distributors with grouped controls).
- B. Stabilizers and telescopic roof controls (optional).
- C. Drifter controls.
- D. Measuring and monitoring instruments.

# MINI PANTOFORE ROOF BOLTING option

Directly derived from the standard model with common components.

With one feed and one drifter (or rotary drill) the roof bolting MINI PANTOFORE is used to drill holes, insert and screw all types of anchoring bolts.

and screw all types of anchoring bolts.

5 bolts are stored in the magazine (1.80 m or 2.20 m bolts).

All operations fully mechanized.



Viini Pantofore		Diesel	Diesel/Electric
I. General specifications			
Veight (approx)	kg	7500	8500
_ength	mm	8650	9250
Width (tramming position)	mm	1200	1200
Height (tramming position)	mm	2070	2070
Height (drilling position, with roof)	mm	2620	2620
Height (without roof)	mm	1800	1800
		5100	5300
Outer turning radius	mm		
nner turning radius	mm	3500	3500
Min. width (2 galleries perpendicular)	mm	2500	2500
Ground clearance	mm	340	340
Chassis articulation (directional angles)		+ or – 35°	+ or – 35°
2. Drilling equipment			
Jniversal boom		BUC 24	BUC 24
Coverage	m <sup>2</sup>	24	24
eed automatic paralleling		Hydraulic	Hydraulic
Number of movements		,	,
specs. see table page 4)		8	8
Weight (without feed, nor drifter)	kg	1200	1200
Boom leaflet no		8336	8336
Hydraulic drifter		HC 40	HC 40
	mm		840
Length (without shank)	mm	840	
Weight (without shank)	kg	80	80
Operating pressure	bar	130	130
Hydraulic oil flow	I/mn	105	105
Strike frequency	b/min	3700	3700
Water flushing flow	I/mn	15	15
Air consumption			
drifter pressurized at 2 bar)	I/mn	300	300
HC hydraulic drifters leaflet n°		6782	6782
Hydraulic chain feed		:	
Orilled length with:			
ACH C 245 (rod 2.44 m)	mm	2350	2350
ACH n° 2 (rod 2.44 m)	mm	1900	1900
ACH n° 3 (rod 3.05 m) ACH n° 4 (rod 3.66 m)	mm mm	2500 3100	2500 3100
ACH n° 5 (rod 4.27 m)	mm	3700	3700
Telescopic ACH : folded in (rod)	mm	1730	1730
extended (rod)	mm	2950	2950
3. Carrier			
Driving wheels	nb	4	4
Tyres		7.5 x 15	7.5 x 15
Rear axle oscillation (200 mm obstacle)		+ or – 8°	+ or – 8°
Tramming speed :		1010	1 01 0
Max. gradient		37 at 54%	24 at 54%
g	km/h	0 at 1.75	0 at 1.8
Max. gradient		0 at 37%	0 at 24%
	km/h	0 at 3.5	0 at 3.6
Max. gradient	Irma /la	0 at 24%	0 at 13% 0 at 6.5
Name aldel alandar	km/h	0 at 7	
Non skid device	-	yes	yes
4. Drilling energy	-		
Engine		Diesel	Electric
Power	kW/hp	60/82 at 2300 rpm	37/50 at 1500 rpm
5. Travelling energy			
Engine		drilling	Diesel 40 kW/55 HF
		engine	at 2300 rpm
6. Pumping group			
2 adjustable flow pumps (2 x 52.5 l/min)	application	Drilling	Drilling
1 variable flow pump (0 to 115 l/min)	application	Tramming	Tramming
1 fixed flow pump (31 l/min)	application	Steering or	Turming
i ii.ou iiow puilip (o'i i/iiiiii)	αρριισατιστί	water booster	_
2 fixed flow pumps (27 l/min)	application	-	Boom movements
(13 l/min)	application		Steering and cable reel
1 variable flow pump (pressure regulated) 0 to 46 l/min	application	_	Boom movements stabilizing cylinders feed
1 variable flow pump (pressure regulated) 0 to 73 l/min)	application	Boom movements stabilizing cylinders feed	-
7. Tank capacity		,	
Hydraulic oil	1	220	220
TYGICUID OII	11		
-	1	150	EO
Diesel oil	1	150	50
Diesel oil Water booster Water scrubber	1	150 105 25	50 50 30



MONTABERT B.P. 671 F - 69805 SAINT-PRIEST CEDEX

Tél. : (33) 78 90 81 22 Télex : 340 621 Télécopie : (33) 78 90 36 82

203, route de Grenoble Zone Industrielle de Mi-Plaine 69800 SAINT-PRIEST - FRANCE

Bureau de Paris Espace Jouy Technology 21, rue Albert Calmette

78350 JOUY-EN-JOSAS

Téléphone : (1) 34 65 39 26 Télécopie : (1) 34 65 14 30

ETS MONTABERT S.A. au capital de 84.000.000 F R.C. Lyon B 954.504.239 - Photos Montabert MONTABERT is the registered trade mark of Ets MONTABERT S.A. SAINT-PRIEST FRANCE.

Date shown above were current at time of printing. In accordance with their established policy of constant improvement MONTABERT reserve their right to change them at any time without notice.

MINI PANTOFORE - A 8426 - 1000 - 10.90

