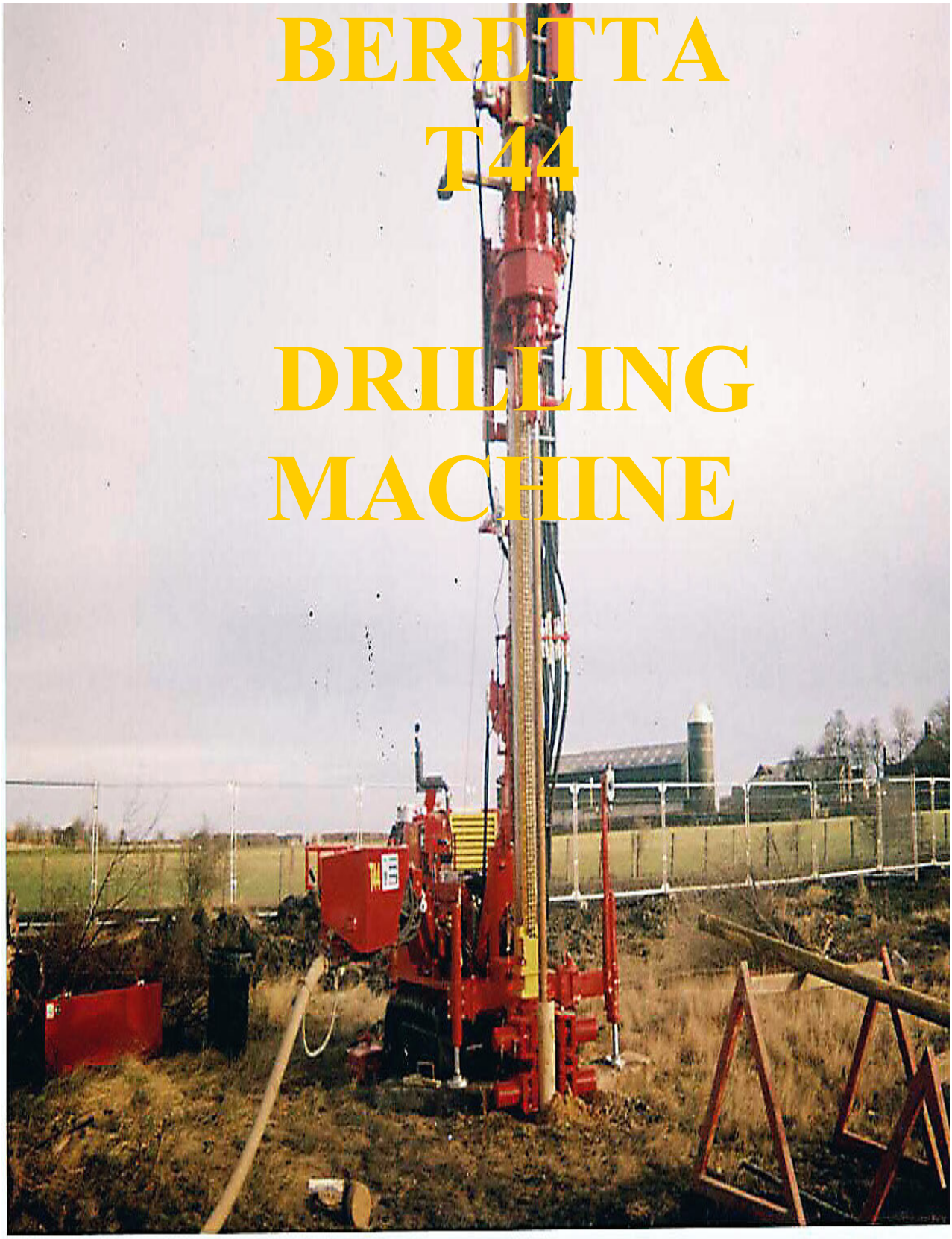
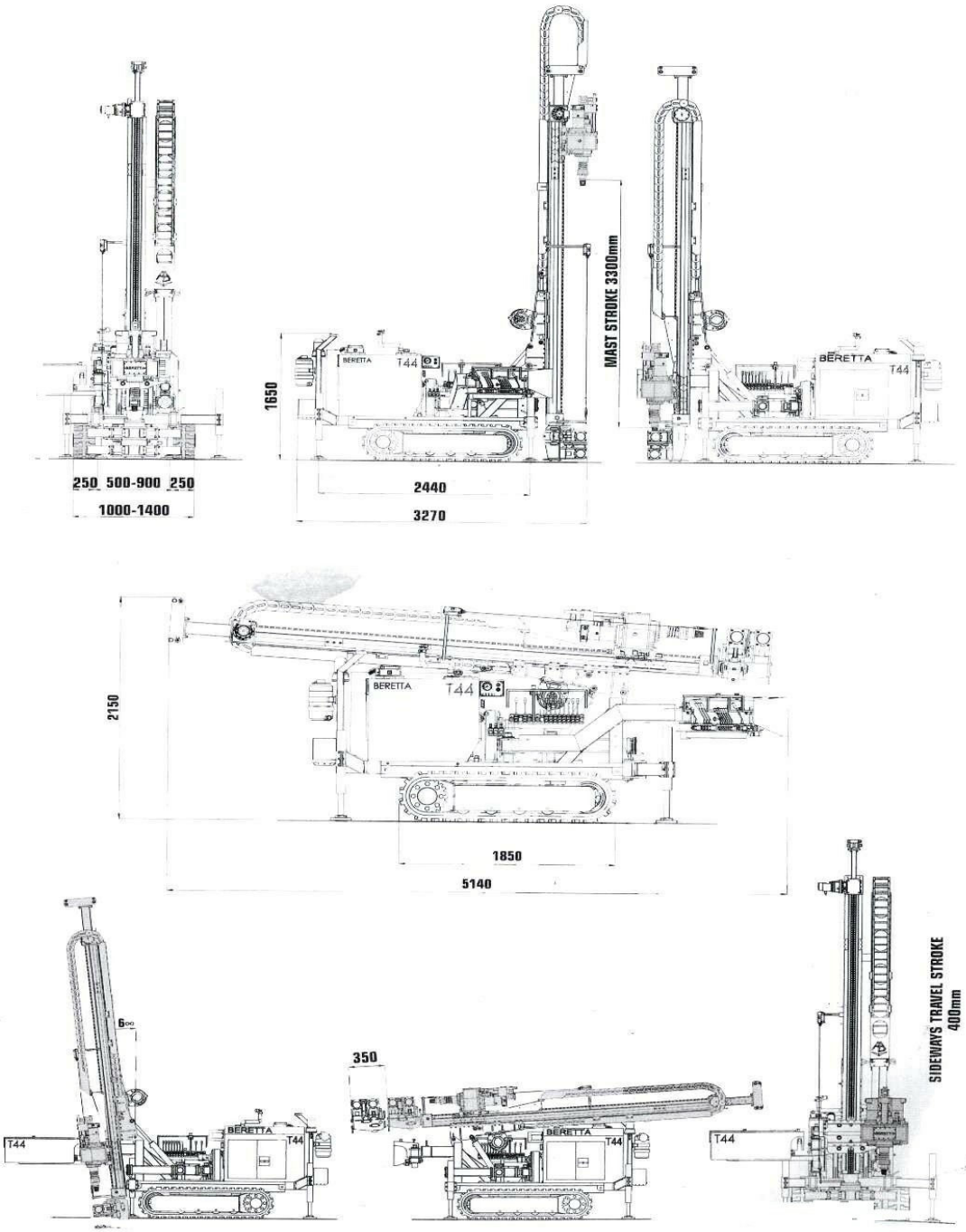
BERETTA
T44

DRILLING MACHINE



Beretta T.44 Hydraulic Drilling Rig



The T44 hydraulic drilling machine is an ideal unit for solving any type of problem within the drilling field, with its broad range of 2 and 4 speed rotary percussion & rotary drill heads.

Although the T44 has a reduced width (1 metre), with the sturdy tracked carriage with variable opening (1000 – 1400mm) it has been possible to fit a mast with working stroke for 3 metre rods to ensure excellent drilling productivity.

The T44 is built in conformity with Machine Directive 89/392 EEC and subsequent amendments, and is certified in accordance with UNI EN ISO 9001 standards.

TECHNICAL DATA

Silenced Diesel Engine

Type	Deutz F4M2011
	64 **hp**
Power	47 **Kw** – 2500 **rpm**

Total Machine Weight

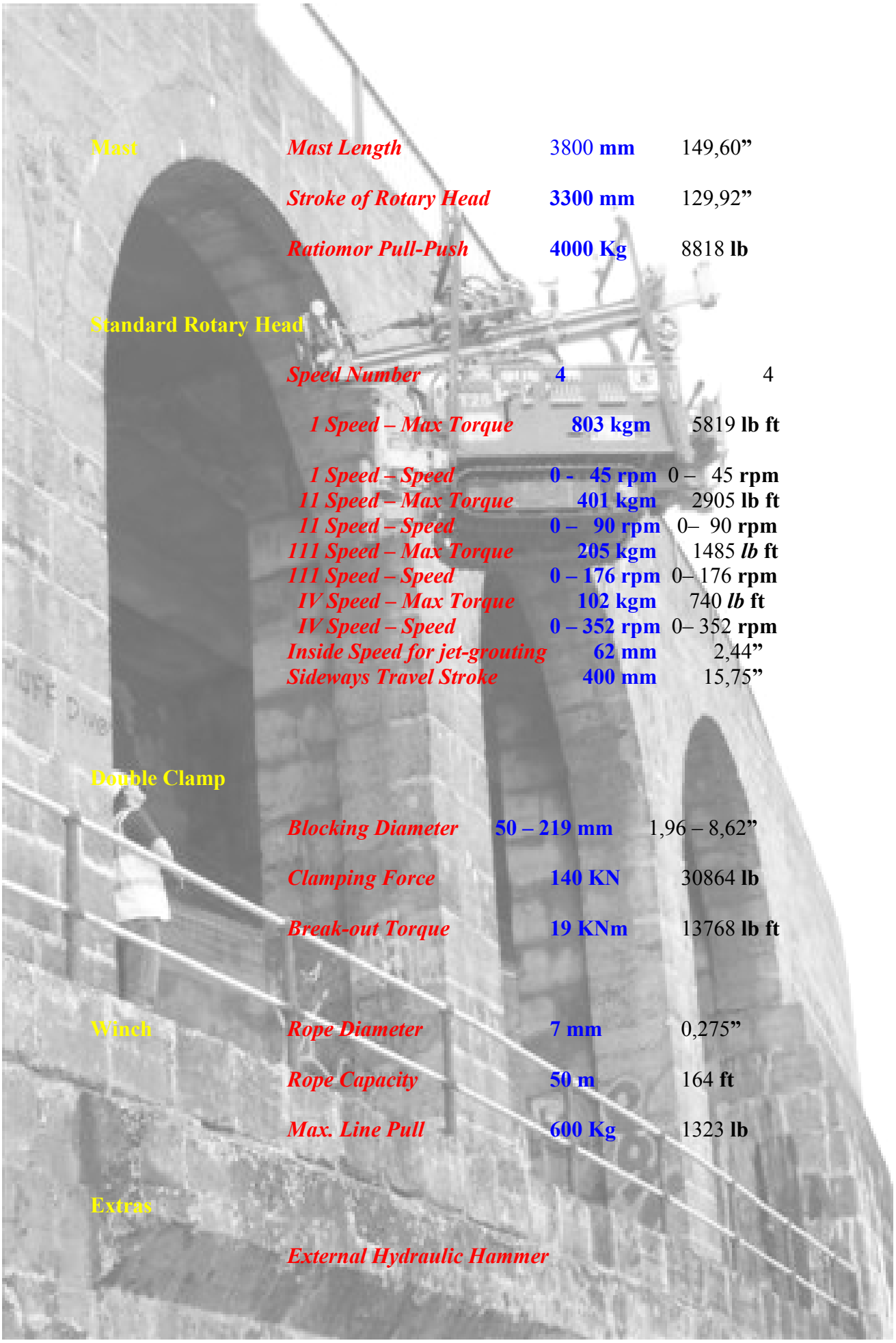
4400 **Kg**	9697 **lb**

Crawlers

Speed	0 – 3 **Km/h**	0 – 1,86 **mph**
Max Gradeability	55%	55%
Ground bearing Pressure	6,20 **N/cm2**	8,8 **PSi**
Shoe Width	250***mm***	9,84”
Opening Varying Crawlers	1000 – 1400 **mm** 39,37 – 55,12”	

Hydraulic System

Standard Gear Pumps	**N.4; *P1***=67 l/min **N.4**; **P1**=17,70 gal/min	
	P2=50 l/min	**P 2**=13,20 gal/min
	P3=50 l/min	**P3**=13,20 gal/min
	P4=20 l/min	**P4**=5,28 gal/min
Max. Pressure	220 **BAR**	3129 **PSi**



Mast	***Mast Length***	3800 **mm**	149,60”
	Stroke of Rotary Head	**3300 mm**	129,92”
	Ratiomor Pull-Push	**4000 Kg**	8818 **lb**
Standard Rotary Head			
	Speed Number	**4**	4
	1 Speed – Max Torque	**803 kgm**	5819 **lb ft**
	1 Speed – Speed	**0 - 45 rpm**	0 – 45 **rpm**
	11 Speed – Max Torque	**401 kgm**	2905 **lb ft**
	11 Speed – Speed	**0 – 90 rpm**	0– 90 **rpm**
	111 Speed – Max Torque	**205 kgm**	1485 ***lb*** **ft**
	111 Speed – Speed	**0 – 176 rpm**	0– 176 **rpm**
	IV Speed – Max Torque	**102 kgm**	740 ***lb*** **ft**
	IV Speed – Speed	**0 – 352 rpm**	0– 352 **rpm**
	Inside Speed for jet-grouting	**62 mm**	2,44”
	Sideways Travel Stroke	**400 mm**	15,75”
Double Clamp			
	Blocking Diameter	**50 – 219 mm**	1,96 – 8,62”
	Clamping Force	**140 KN**	30864 **lb**
	Break-out Torque	**19 KNm**	13768 **lb ft**
Winch	***Rope Diameter***	**7 mm**	0,275”
	Rope Capacity	**50 m**	164 **ft**
	Max. Line Pull	**600 Kg**	1323 **lb**
Extras			
	External Hydraulic Hammer		