



## XD9

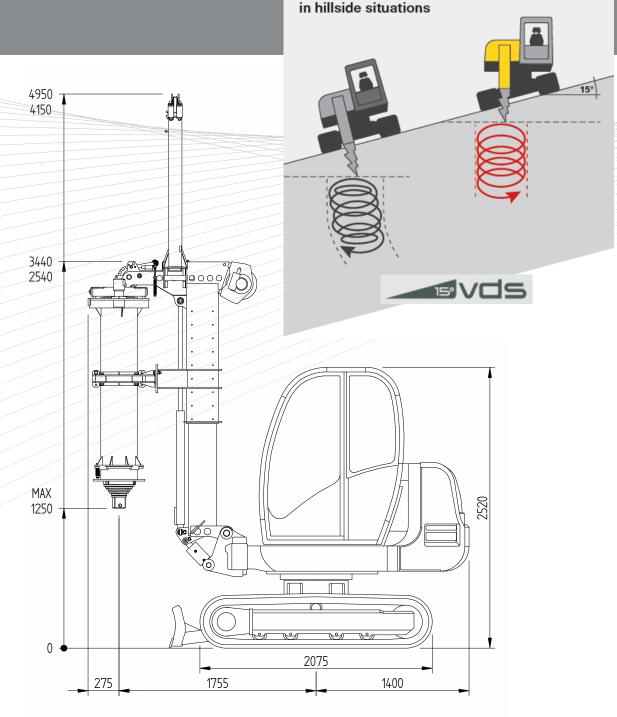
## **MINI PILING RIG**

XD series machines are the smallest hydraulic piling rigs in the world. They are designed to work in extremely tight spaces, limited headroom, and jobsites difficult to access for any other standard piling rig. The minimum working height is 2.8 m (9.2') and the width 1.62 m (5.3').

Despite the compact size, the XD series is equipped with all the features of larger rigs, such as depth meter, spin off speed, auxiliary winch and winch limit switches.

The always perfect verticality is guaranteed by the combimation of the movements secured by the VDS Vertical Digging System, the blade and the hydraulic cylinder that tilt longitudinally the mast. A hydraulic cylinder and the interlocking Kelly bar provide the crowd force necessary to overcome harder soils.

Precise guidance of the drill

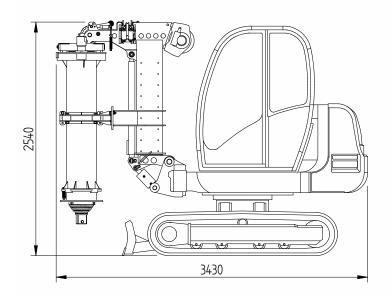




## **TECHNICAL DATA SHEET**

Engine	BASE		VAKER NEUSON 3503
Undercarriage lenght	Engine	type	
Width over tracks Shoe width  Mm - in  Min pump  Main pump  Mast pump  Mast vertical stroke  Mominal torque  Min speed  Spin off speed  Min winch line pull  CROWD SYSTEM  Max pile diameter  Max pile depth  Max pile depth  Max pile diameter  Mm - ft  Mm -		kW (hp)	29.8 (39.9)
Shoe width mm - in 300 - 11.8  HYDRAULIC SYSTEM  Main pump		mm - ft	
HYDRAULIC SYSTEM  Main pump  Auxiliary pump  Hydraulic pressure  MAST  Forward inclination  Backward inclination  Lateral inclination  Mast vertical stroke  Mominal torque  MNm-lbf ft  Nominal torque  MNm-lbf ft  Nominal torque  MNm-lbf ft  Nominal torque  MNm-lbf ft  Nominal torque  MNm-lbf  Nominal torque  MN-lbf  Nominal torque  Nnm-lbf  Nominal torque  Nominal torque  Nnm-lbf  Nominal torque  Nomina		mm - ft	1.620 - 5.3
Main pumpI/min89Auxiliary pumpI/min25Hydraulic pressurebar240MASTForward inclinationdeg7.5Backward inclinationdeg3.5Lateral inclinationdeg0 ÷ 15Mast vertical strokemm - ft900 - 3ROTARYNominal torquekNm - lbf ft8 - 5.900Drilling speedrpm20 ÷ 40Spin off speedrpm40WINCHESMain winch line pullkN - lbf15 - 3.400Aux winch line pullkN - lbf6 - 1.350CROWD SYSTEMPull down forcekN - lbf25 - 5.600Extraction forcekN - lbf25 - 5.600Extraction forcekN - lbf25 - 5.600EXCAVATIONMax pile diametermm - in600 - 24Max pile depthm - ft12 - 40Min working heightmm - ft3.430 - 11.25Widthmm - ft3.430 - 11.25Widthmm - ft3.430 - 11.25Widthmm - ft3.2540 - 8.3		mm - in	300 - 11.8
Auxiliary pump	HYDRAULIC SYSTEM		
Hydraulic pressure  MAST  Forward inclination Backward inclination  Mast vertical stroke  Mominal torque  Minches  Main winch line pull  CROWD SYSTEM  Pull down force  Extraction force  EXCAVATION  Max pile diameter  Min working height  MAST  Aux winch line pull  Max pile depth  Min working height  Max pile diameter  Max pile depth  Max pile diameter  M		•	
Forward inclination deg 3.5  Lateral inclination deg 0.÷ 15  Mast vertical stroke mm-ft 900 - 3  ROTARY  Nominal torque kNm-lbf ft 8 - 5.900  Drilling speed rpm 20 ÷ 40  Spin off speed rpm 40  WINCHES  Main winch line pull kN-lbf 15 - 3.400  Aux winch line pull kN-lbf 6- 1.350  CROWD SYSTEM  Pull down force kN-lbf 25 - 5.600  Extraction force kN-lbf 40 - 9.000  EXCAVATION  Max pile diameter mm-in 600 - 24  Max pile depth m-ft 12- 40  Min working height mm-ft 2.800 - 9.2  TRANSPORT  Lenght mm-ft 3.430 - 11.25  Width mm-ft 1.620 - 5.3  Height mm-ft 2.540 - 8.3			25
Forward inclination deg 3.5  Backward inclination deg 3.5  Lateral inclination deg 0÷15  Mast vertical stroke mm-ft 900-3  ROTARY  Nominal torque kNm-lbf ft 8-5.900  Drilling speed rpm 20÷40  Spin off speed rpm 40  WINCHES  Main winch line pull kN-lbf 15-3.400  Aux winch line pull kN-lbf 6-1.350  CROWD SYSTEM  Pull down force kN-lbf 25-5.600  Extraction force kN-lbf 40-9.000  EXCAVATION  Max pile diameter mm-in 600-24  Max pile depth m-ft 12-40  Min working height mm-ft 2.800-9.2  TRANSPORT  Lenght mm-ft 3.430-11.25  Width mm-ft 1.620-5.3  Height mm-ft 2.540-8.3		bar	240
Backward inclination Lateral inclination  deg  0 ÷ 15  Mast vertical stroke  mm - ft  900 - 3  ROTARY  Nominal torque  kNm - lbf ft  8 - 5.900  Drilling speed  rpm  20 ÷ 40  Spin off speed  rpm  40  WINCHES  Main winch line pull  kN - lbf  15 - 3.400  Aux winch line pull  kN - lbf  6 - 1.350  CROWD SYSTEM  Pull down force  kN - lbf  25 - 5.600  Extraction force  kN - lbf  40 - 9.000  EXCAVATION  Max pile diameter  mm - in  600 - 24  Max pile depth  m - ft  12 - 40  Min working height  mm - ft  2.800 - 9.2  TRANSPORT  Lenght  mm - ft  3.430 - 11.25  Width  mm - ft  1.620 - 5.3  Height  mm - ft  2.540 - 8.3			
Lateral inclination deg 0 ÷ 15  Mast vertical stroke mm - ft 900 - 3  ROTARY  Nominal torque kNm - lbf ft 8 - 5.900  Drilling speed rpm 20 ÷ 40  Spin off speed rpm 40  WINCHES  Main winch line pull kN - lbf 15 - 3.400  Aux winch line pull kN - lbf 6 - 1.350  CROWD SYSTEM  Pull down force kN - lbf 25 - 5.600  Extraction force kN - lbf 40 - 9.000  EXCAVATION  Max pile diameter mm - in 600 - 24  Max pile depth m - ft 12 - 40  Min working height mm - ft 2.800 - 9.2  TRANSPORT  Lenght mm - ft 3.430 - 11.25  Width mm - ft 1.620 - 5.3  Height mm - ft 2.540 - 8.3			
Mast vertical stroke mm - ft 900 - 3  ROTARY  Nominal torque kNm - lbf ft 8 - 5.900  Drilling speed rpm 20 ÷ 40  Spin off speed rpm 40  WINCHES  Main winch line pull kN - lbf 5 - 3.400  Aux winch line pull kN - lbf 6 - 1.350  CROWD SYSTEM  Pull down force kN - lbf 25 - 5.600  Extraction force kN - lbf 40 - 9.000  EXCAVATION  Max pile diameter mm - in 600 - 24  Max pile depth m - ft 12 - 40  Min working height mm - ft 2.800 - 9.2  TRANSPORT  Lenght mm - ft 3.430 - 11.25  Width mm - ft 1.620 - 5.3  Height mm - ft 2.540 - 8.3		_	
Nominal torque			
Nominal torque		mm - ft	900 - 3
Drilling speed         rpm         20 ÷ 40           Spin off speed         rpm         40           WINCHES         Winch line pull         kN - lbf         15 - 3.400           Aux winch line pull         kN - lbf         6 - 1.350           CROWD SYSTEM         CROWD SYSTEM         25 - 5.600           Extraction force         kN - lbf         40 - 9.000           EXCAVATION         Max pile diameter         mm - in         600 - 24           Max pile depth         m - ft         12- 40           Min working height         mm - ft         2.800 - 9.2           TRANSPORT         mm - ft         3.430 - 11.25           Width         mm - ft         1.620 - 5.3           Height         mm - ft         2.540 - 8.3			
Spin off speed         rpm         40           WINCHES         Main winch line pull         kN - lbf         15 - 3.400           Aux winch line pull         kN - lbf         6 - 1.350           CROWD SYSTEM         Pull down force         kN - lbf         25 - 5.600           Extraction force         kN - lbf         40 - 9.000           EXCAVATION         mm - in         600 - 24           Max pile depth         m - ft         12 - 40           Min working height         mm - ft         2.800 - 9.2           TRANSPORT         mm - ft         3.430 - 11.25           Width         mm - ft         1.620 - 5.3           Height         mm - ft         2.540 - 8.3		kNm - lbf ft	
WINCHES           Main winch line pull         kN - lbf         15 - 3.400           Aux winch line pull         kN - lbf         6 - 1.350           CROWD SYSTEM         Valid own force         kN - lbf         25 - 5.600           Extraction force         kN - lbf         40 - 9.000           EXCAVATION         Max pile diameter         mm - in         600 - 24           Max pile depth         m - ft         12 - 40           Min working height         mm - ft         2.800 - 9.2           TRANSPORT         The system of		rpm	
Main winch line pull         kN - lbf         15 - 3.400           Aux winch line pull         kN - lbf         6 - 1.350           CROWD SYSTEM         Extraction force         kN - lbf         25 - 5.600           Extraction force         kN - lbf         40 - 9.000           EXCAVATION         Max pile diameter         mm - in         600 - 24           Max pile depth         m - ft         12- 40           Min working height         mm - ft         2.800 - 9.2           TRANSPORT           Lenght         mm - ft         3.430 - 11.25           Width         mm - ft         1.620 - 5.3           Height         mm - ft         2.540 - 8.3	Spin off speed	rpm	40
Aux winch line pull         kN - lbf         6 - 1.350           CROWD SYSTEM         CROWD SYSTEM         25 - 5.600           Pull down force         kN - lbf         25 - 5.600           Extraction force         kN - lbf         40 - 9.000           EXCAVATION         Max pile diameter         mm - in         600 - 24           Max pile depth         m - ft         12- 40           Min working height         mm - ft         2.800 - 9.2           TRANSPORT         Indicate the second of			
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Extraction force			
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TRANSPORT           Lenght         mm - ft         3.430 - 11.25           Width         mm - ft         1.620 - 5.3           Height         mm - ft         2.540 - 8.3			
Lenght       mm - ft       3.430 - 11.25         Width       mm - ft       1.620 - 5.3         Height       mm - ft       2.540 - 8.3		mm - ft	2.800 - 9.2
Width         mm - ft         1.620 - 5.3           Height         mm - ft         2.540 - 8.3			
<b>Height</b> <i>mm - ft</i> 2.540 - 8.3			
<b>Weight</b> <i>kg - lbs</i> 4.300 - 9.480			
	Weight	kg - Ibs	4.300 - 9.480

Technical Specifications are subject to change without prior notice.







7075-76 (Ergal)







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