



# Vi057-6



Operating weight	5485 kg
Engine	4TNV84T
Digging force (arm)	24,4 kN
Digging force (bucket)	41,9 kN

# No Compromise between compactness and power



#### **COMPACTNESS**

Yanmar, inventor of the ViO concept, has an unmatched experience in developing Zero Tail Swing excavators.



#### **NEW BOOM DESIGN**

New design with a box structure in order to improve durability.



Latest version of Yanmar TNV engines: turbocharged 4-cylinder engine with direc injection to improve performance, fuel consumption and emission levels.



#### **BEST COMPONENTS**

Developed in Japan with renowned suppliers for top quality. Design and performance of the components made for heavy-duty job sites and long service life.



#### EASE OF MAINTENANCE

5 hoods or openings which allow easy access for components maintenance. Fast and easy daily checks or servicing.







THE VIO57-6 BENEFITS FROM YANMAR UNIQUE EXPERIENCE IN DEVELOPING ZERO TAIL SWING EXCAVATORS. SINCE THE INVENTION OF THE VIO CONCEPT IN 1995, YANMAR HAS REMAINED THE LEADER IN DESIGNING THE MOST COMPACT EXCAVATORS.



# YANMAR TRUE ZTS

The Vi057-6 is probably the most compact excavator in its class, providing Yanmar customers with true peace of mind, especially in urban environment where space is limited.

The new design of the Vi057-6 boom also offers a very compact turning radius.

# **ADVANTAGES**OF THE VIO DESIGN

- Improved safety for both the operator and the side workers: critical on the jobsites.
- Rear blind spot reduced to a minimum: enhances the safety for the workers around the machine.

# **NEW BOOM DESIGN**

If the length of the boom stays at 2950 mm, its form has been radically changed, improving the lifting force of the Vi057-6 by 10 %.

This new design also reduces the weight of the structure by 40 kg and increases the stability of the machine.

The box type structure of the boom enhances its robustness and therefore its durability and service life. The base and the swing post of the boom have been strengthened, which improves its service life even more and reduces its Total Cost of Ownership.

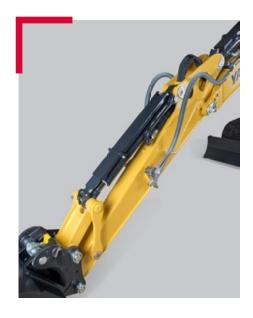




# THE BEST BOOM AND ARM PROTECTION ON THE MARKET

The ViO57-6 benefits from a unique and complete protection of all its boom, arm and bucket cylinders. All cylinder tubes and rods are protected by a spring type steel plate, which reduces drastically the Total Cost of Ownership of the machine.









# **PERFORMANCE**

The ViO57-6 benefits from an improved powerline: the combination of the new more powerful engine, the hydraulic pumps (+ 14 %) and a new control valve improve the cycle-times by more than 10 %.

#### **VIPPS HYDRAULIC CIRCUIT** (VIO PROGRESSIVE 3 PUMP SYSTEM)

The hydraulic circuit of the Vi057-6 has an aggregated power regulation equipped with two variable flow piston pumps and a multiple combination directional control valve. Pumps engage automatically depending on the performed operation, providing greater ease of use for the operator. On one hand, the combination of the pump flows can increase the work speed and on the other hand, the system allows smooth and simultaneous performance of all the operations, even while traveling.



## **EASY** OPERATION

## ADJUSTABLE PROPORTIONAL CONTROL OF THE AUXILIARY CIRCUITS

Standard equipment of the ViO57-6 includes an auxiliary hydraulic circuit. It is operated via a proportional control located on the joystick which adapt the flow and the direction of the oil flow. Additionally the circuit has an easy-to-operate potentiometer which adjusts the oil flow to the optimal requirement for each and every attachment.

#### TRANSMISSION

The Vi057-6 benefits also from a drive motor developing 10% more torque, improving cycle times and productivity, especially in levelling applications. Standard equipment also includes the new "automatic 2-speed" drive motors which shift automatically up and down depending upon the effort required. The operator is automatically provided with the best solution in terms of speed or pushing force, making operation easier and improving the operator comfort

# **POWERFUL** YANMAR ENGINE

The Vi057-6 benefits from the most advanced technology of the leading manufacturer of industrial diesel engines.

The 48,4 HP TNV engine is equipped with direct injection to create clean burning power. It has fully-electronic control to provide the ViO57-6 with total intelligent engine control. The 4TNV84T of the ViO57-6 is equipped with a turbo charger improving power, fuel efficiency and torque. This choice allows to reduce the rpm by 200 rpm and improves drastically the noise level for the operator and the bystanders.

The design of the Vi057-6 has foreseen to allow the integration of the new Stage V Ready engine, the 4TNV86CT-PBV, which Yanmar will propose in 2017.



# ECO-MODE

The Eco-Mode effectively controls the motor speed which is reduced by 300 rpm, thus allowing a very low fuel consumption.



# **AUTO-DECELERATION**

The engine drops back to idle if the operator doesn't touch the operating levers for 4 seconds. Environmental performance (noise and emissions) and fuel consumption are even more improved.



# **STABILITY**

# **UNIQUE** UNDERCARRIAGE

The X-shaped box-section structure of the undercarriage provides excellent torsional stiffness. The frame is designed for maximum durability.

All the components of the undercarriage have been upgraded:

- + Increase of the idler width by 25%
- + Increase of the track rollers diameter by 14% and width by 13%
- + Increase of the sprocket width by 29%

These improvements increase the durability and the service life of the machine and reduce its TCO.

This new undercarriage design and an optimized mass distribution contribute to improve the stability of the Vi057-6.



# **MACHINE HEIGHT**

The redesign of the undercarriage contributes to reduce the machine height to an optimal 2,54 m, which facilitates transportation of the machine. It also improves the ground clearance by  $28\,\%$  to  $345\,$  mm.







# **SAFETY**

The structure of the ViO57-6 cabin has been designed to meet the ROPS (Roll-Over Protective Structure) certification as well as the FOPS (Falling Object Protective Structure) level 1.

#### **LED LIGHTING:**

# EFFICIENCY AND LOW CONSUMPTION

In order to work safely, efficiently and with accuracy in the darkness, the ViO57-6 is equipped in standard with 1 LED light positioned in the inner part of the boom. The LED technology provides a powerful light while reducing energy consumption which increases the service life of the battery. In option, two LED lights can be added at the front of the cabin as well as one LED rear light and a beacon.



# **MAINTENANCE**

## **EASY** ACCESS

Daily maintenance has to be performed easily. The engine bonnet and the right-hand sidecover are easy to open. This gives an access to all major elements: air filter, radiator, refueling pump, battery, fuel tank, hydraulic oil tank alternator, engine oil dipstick, water separator, coolant level, etc...



# LONG SERVICE INTERVALS

Yanmar excavators are designed for working and therefore we increase the service intervals.





# **BEST COMPONENTS**

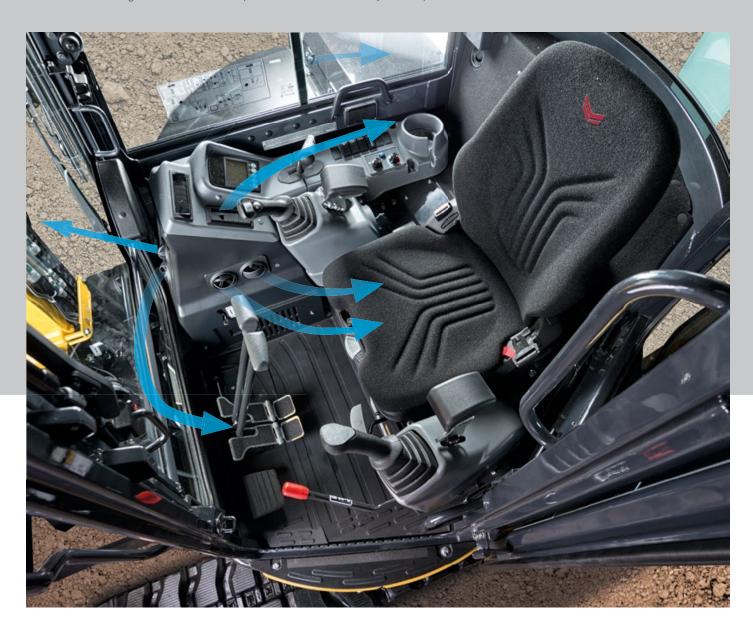
All ViO57-6 components are designed in order to make it reliable, durable and capable of performing demanding work.

# **COMFORT**

## **SPACIOUS AND COMFORTABLE CABIN**

Putting the operator in the center of its design initiatives, Yanmar developed the "Universal Design" concept which is focused on ergonomics like door handle, handrails, door lock and hood handle. Combined to an increased leg room, it enables to improve the comfort and safety of the operator.





## **IMPROVED** AIR CIRCULATION

The air distribution and circulation in the cabin has been improved through the optimal location of six vents. The defrost function ensures perfect demisting of the cabin. A fresh air / recirculation function has been added and both air filters are easily accessible. These changes improve greatly the operator's comfort, especially in hot weather conditions.

Available in option, the ViO57-6 air conditioning has also been greatly improved through the increase of the cooling performance of the unit and increase of the ventilation performance.

## **ALL-AROUND VISIBILITY**

The Vi057-6 design provides an ergonomic environment, excellent visibility and exceptional safety. The shape of the cabin provides the operator with an optimal 360° visibility in order to improve the safety on the jobsite and to make work more efficient.

The ViO57-6 is equipped with three mirrors to help the operator control the work area without moving from his seat.



## **SILENT CABIN**

The Yanmar engineers have put a lot of emphasis on innovative ways to reduce the noise level. They succeeded in reducing the noise level by 3 dB(A). These changes impact the comfort level of the operator.

## **COMFORTABLE ADJUSTABLE SEAT**

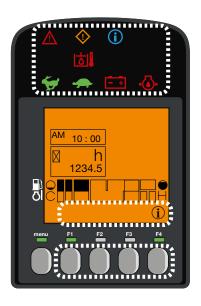
The air suspension seat has numerous possibilities of adjustment to give the optimal seating position. The instrumentation panel has been redesigned as well as the armrests, which further enhance the operator's comfort.



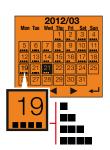
# **DIGITAL INTERFACE**

The Vi057-6 is equipped with a digital interface which informs the operator in real time about the status of his machine. Perfectly integrated into the right hand console, the 3.3" screen provides excellent visibility. The interface provides the customer with useful information through LED lamps, or indications about important elements like fuel consumption, fuel gauge, coolant temperature gauge, etc...

The interface assists the customer for maintenance intervals and to program such interventions. It also works as a diagnostic tool in case of malfunction by sending an error code and an information icon on the display.









#### [ STANDARD EQUIPMENT ]

#### **PERFORMANCE**

4TNV84T Yanmar diesel | Direct Injection | Engine Control Unit (ECU) | Eco-Mode | Auto-Deceleration System | VIPPS Hydraulic system (ViO Progressive 3 Pump System) | Auxiliary circuit with adjustable proportional control by potentiometer to arm end | Automatic 2nd speed | Filter on steering hydraulic circuit | External hydraulic oil gauge | 1 LED light integrated into the boom

#### **COMFORT**

LCD interface | Adjustable and reclining seat with fabric covers, air suspension and headrest | Adjustable wrist support | Foot rests | Wide travel pedals | Windshield with 2 fully retractable parts | Sliding double right side window | Transparent upper front part | Wipers | Windshield washer | Automatic ceiling lamp | 2 x 12V outlets | Storage boxes | Secure document storage | Holder

#### SAFETY AND DURABILITY

Handrails | Safety lever | Seat belt with retractor | Evacuation hammer | Anchor points | 3 mirrors | Horn | Blade cylinder supply hose into two parts | Complete protection of the cylinders (boom, arm and blade) | Hoses protected by abrasion resistant sleeves | Lockable covers

#### **MISCELLANEOUS**

Fuel gauge | Toolbox | Toolkit | Grease pump

#### [ OPTIONAL EQUIPMENT ]

#### **EQUIPMENT AND PERFORMANCE**

Steel crawlers | Pads for steel crawlers | Long arm (+290 mm) | Additional counterweight (+195 kg) | 2nd auxiliary circuit with adjustable proportional control by potentiometer | Line high pressure 165 bar for hydraulic quick coupler with piloted safety devices (double effect) | Quick couplers | Bio oil | 2 LED lights at the front of the cabin | 1 LED beacon | Kit 1 rear LED light + 1 beacon | Improved fuel filtration | ½ circuit

#### COMFORT AND EASE OF USE

Reversible air conditioning | Adjustable and reclining seat with skaï covers, air suspension and headrest | Seat Cover | Radio | Electric refueling pump | Central greasing

#### SECURITY AND DURABILITY

Safety valves for lifting + overload warning | FOPS 1 front protection | Anti-theft device (key/keyboard) | GPS Tracking | Translation alarm

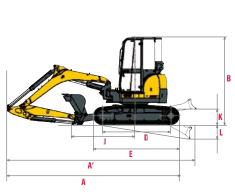
#### [ ATTACHMENTS ]

Yanmar gives you the attachment that fit your needs and match the safety standards in force in your country: mechanical quick coupler, hydraulic quick coupler, ditching bucket, swinging bucket, backhoe bucket, hydraulic breaker...



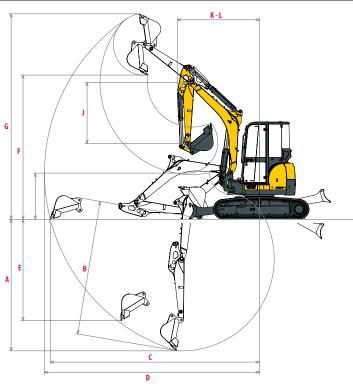
# DIMENSIONS

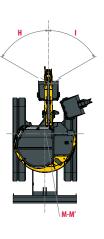






Α	Overall length	5510 / 5600 * mm	Н	Overall blade width	1970 mm
A'	Overall length with blade at the back	6070 / 6160 * mm	1	Overall blade height	400 mm
В	Overall height	2540 mm	J	Blade distance	1890 mm
C	Overall width	1990 mm	K	Max. lifting height above the ground	500 mm
D	Length of track on ground	2070 mm	L	Max. lowering depth from the ground	540 mm
Ε	Undercarriage length	2590 mm	М	Minimum ground clearance	345 mm
F	Lane	1590 mm	N	Ground clearance under counterweight	625 mm
G	Track width	400 mm			





Α	Max. digging depth - Blade lifted	3710 / 4000 * mm	Н	Boom swinging base to left	68°
В	Max. digging depth - Blade lowered	3920 / 4210 * mm	1	Boom swinging base to right	68°
С	Max. digging reach on ground	5950 / 6230 * mm	J	Arm length	1650 / 1940 * mm
D	Max. digging reach	6100 / 6370 * mm	K	Front turning radius	2180 / 2320 * mm
Ε	Max vertical wall	2930 / 3210 * mm	L	Front turning radius with boom swing	1760 / 1880 mm
F	Max. dumping height	4240 / 4420 * mm	М	Rear turning radius	995 mm
G	Max. cutting height	5900 / 6080 * mm	M'	Rear turning radius with additional counterweight	1070 mm

# LIFTING FORCE





Tipping load, rating over front



Tipping load, rating over side 90°

											Standa	rd arm										
	Blade on ground									Jeanua	Blade above ground											
Α	(A=)	Ma	ax.		m		m	3	m	2	m	(A=)	Ma	ax	5			m	3	m	2	m
В			J		J		J		b		J			J		J		J		J		J
4 m	3775	940	*1110	-	-	*1095	*1095	-	-	-	-	3775	910	*1110	-	-	*1095	*1095	-	-	-	-
3 m	4465	725	*1140	-	-	*1140	*1140	-	-	-	-	4465	725	745	-	-	*1140	*1140	-	-	-	-
2 m	4795	630		695		970			*1715	-	-	4795	630	690	660	765	940	1060	*1715	*1715	-	-
1 m	4860	610		665	*1265	910		1315	*2285	-	-	4860	600	670	655	745	900	1000	1315	1500	-	-
0 m	4670	630		640		845		1305			*3170	4670	630	715	630	725	845	940	1245	1430	2020	2315
-1 m	4180 3225		*1265 *1195	-	-	860	*1600		*2315 *1775	2180	*3265	4180 3225	695 990	775 1060	-	-	860	940	1245	1400	2160	2385
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				В	lade o	n groui	nd									Blade a	above s	ground				
Α	(A=)	M	ax		m		m	3	m	2	m	(A=)	Ma	ax	5	m	4	m	3	m	2	m
В			J		J		J		J		J			J		J		J		J		J
4 m	4290	1000	*1110	-	-	*1095	*1095	-	-	-	-	4290	970	*1110	-	-	*1095	*1095	-	-	-	-
3 m	4890	770	*1140	-	-	*1140	*1140	-	-	-	-	4890	780	810	-	-	*1140	*1140	-	-	-	-
2 m	5190	690		750	*1190	1040	*1355		*1715	-	-	5190	680	760	720	820	1010	1140	*1715	*1715	-	-
1 m	5250		*1205	720	*1265	980		1430	*2285	-	+7470	5250	650	730	700	800	970	1090	1430	1630	-	-
0 m	5080 4650	680		700	*1275	920		1420 1340	*2430	2330	*3170	5080 4650	680 760	770 840	690	780	910	1030	1350 1360	1560	2240	2580
-1 m	3840		*1265 *1165	_	_	930	*1600		*2315 *1775	2400	*3265	3840	1070	1150	_	_	950	1020	1370	1530 1540	2380	2650
2 111	3040	1070	1105					1370	1773		Long		1070	1130					1370	1340		
				F	lade o	n groui	nd				8	Blade above ground										
Α	(A=)	M	ax		m		m	3	m	2	m	(A=)	Ma	ax	5	m	4	m	3	m	2	m
A B	(A=)	M =JD	ax					3	m	2	m J	(A=)	Ma	ax J	5	m J	4	m J	3	m J	2	m J
	(A=) 3640		R	5	m 🖟	4	m 🖟					(A=) 3640								R		
B 5 m 4 m	3640 4630	*1040 770	*1040 *960	5 	m - -	- *930	<b>m</b> - *930		J		J	3640 4630	*1040 760	*1040 *960	-	<u>-</u>	- *930	- *930		J		J
B 5 m 4 m 3 m	3640 4630 5180	*1040 770 640	*1040 *960 *1010	- - - 680	- - *1000	- *930 *1000	*930 *1000	- - -	- - -	- - -	- - -	3640 4630 5180	*1040 760 630	*1040 *960 710	- - - 670	- - 760	- *930 *1000	- *930 *1000	- - -	- - -	- - -	- - -
B 5 m 4 m 3 m 2 m	3640 4630 5180 5460	*1040 770 640 570	*1040 *960 *1010 *1040	- - 680 670	- - *1000 *1070	- *930 *1000 940	*930 *1000 *1210	- - - - *1530	- - - *1530		- - -	3640 4630 5180 5460	*1040 760 630 560	*1040 *960 710 610	- - 670 650	- - 760 720	- *930 *1000 930	- *930 *1000 1010	- - - - *1530	- - - - *1530	- - - -	- - -
B 5 m 4 m 3 m 2 m 1 m	3640 4630 5180 5460 5526	*1040 770 640 570 550	*1040 *960 *1010 *1040 *1070	- - 680 670 640	*1000 *1070 *1160	*930 *1000 940 890	*1000 *1450	- - - *1530 1320	- - - *1530 *2070	- I D	- - - -	3640 4630 5180 5460 5526	*1040 760 630 560 530	*1040 *960 710 610 590	- - 670 650 620	- - 760 720 690	- *930 *1000 930 870	- *930 *1000 1010 960	- - - *1530 1280	- - - *1530 1500	- - - -	- - - -
B 5 m 4 m 3 m 2 m 1 m 0 m	3640 4630 5180 5460 5526 5360	*1040 770 640 570 550 560	*1040 *960 *1010 *1040 *1070 *1110	- - 680 670	*1000 *1070 *1160 *1230	*930 *1000 940 890 830	*930 *1000 *1210 *1450 *1620	- - - *1530 1320 1240	- - - *1530 *2070 *2360	- - - - - - 2050	- - - - - - *3150	3640 4630 5180 5460 5526 5360	*1040 760 630 560 530 550	*1040 *960 710 610 590 620	- - 670 650	- - 760 720	*930 *1000 930 870 820	- *930 *1000 1010 960 930	- - - *1530 1280 1220	- - - *1530 1500 1410	- - - - - - 2020	- - - - - - 2230
5 m 4 m 3 m 2 m 1 m 0 m -1 m	3640 4630 5180 5460 5526 5360 4960	*1040 770 640 570 550	*1040 *960 *1010 *1040 *1070	- - 680 670 640	*1000 *1070 *1160	*930 *1000 940 890	*1000 *1450	- - - *1530 1320 1240 1250	- - - *1530 *2070 *2360 *2290	- I D	- - - -	3640 4630 5180 5460 5526 5360 4960	*1040 760 630 560 530	*1040 *960 710 610 590	670 650 620 610	- - 760 720 690 670	- *930 *1000 930 870	- *930 *1000 1010 960	- - - *1530 1280	- - - *1530 1500	- - - -	- - - -
B 5 m 4 m 3 m 2 m 1 m 0 m	3640 4630 5180 5460 5526 5360 4960	*1040 770 640 570 550 560 630	*1040 *960 *1010 *1040 *1070 *1110 *1160	- - - 680 670 640 620	*1000 *1070 *1160 *1230	- *930 *1000 940 890 830 850	*930 *1000 *1210 *1450 *1620 *1610	- - - *1530 1320 1240 1250	- - - *1530 *2070 *2360 *2290 *1920	- - - - - - 2050 2090 1980	- - - - - - *3150 *3390 *3000	3640 4630 5180 5460 5526 5360 4960 4230	*1040 760 630 560 530 550 620	*1040 *960 710 610 590 620 680 840	670 650 620 610	- - 760 720 690 670	- *930 *1000 930 870 820 820	- *930 *1000 1010 960 930 910	*1530 1280 1220	- - - *1530 1500 1410 1360	- - - - - 2020 2060	- - - - - 2230 2410
5 m 4 m 3 m 2 m 1 m 0 m -1 m	3640 4630 5180 5460 5526 5360 4960	*1040 770 640 570 550 560 630	*1040 *960 *1010 *1040 *1070 *1110 *1160	- - - 680 670 640 620 -	*1000 *1070 *1160 *1230	*930 *1000 940 890 830 850 830	*930 *1000 *1210 *1450 *1620 *1610 *1320	- - - *1530 1320 1240 1250	- - - *1530 *2070 *2360 *2290 *1920	- - - - - - 2050 2090 1980	- - - - - - *3150 *3390 *3000	3640 4630 5180 5460 5526 5360 4960 4230	*1040 760 630 560 530 550 620 750	*1040 *960 710 610 590 620 680 840	- - 670 650 620 610 -	- - 760 720 690 670 -	- *930 *1000 930 870 820 820 810	- *930 *1000 1010 960 930 910	*1530 1280 1220	- - - *1530 1500 1410 1360	- - - - - 2020 2060	- - - - - 2230 2410
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B 5 m 4 m 3 m 2 m 1 m 0 m -1 m -2 m	3640 4630 5180 5460 5526 5360 4960 4230	*1040 770 640 570 550 560 630 770	*1040 *960 *1010 *1040 *1070 *1110 *1160 *1180	- - 680 670 640 - -	*1000 *1070 *1160 *1230 -	*930 *1000 940 890 830 850 830	*930 *1000 *1210 *1450 *1620 *1610 *1320	- - *1530 1320 1240 1250 1190	- *1530 *2070 *2360 *2290 *1920	- - - - 2050 2090 1980 arm, a	- - - - - *3150 *3390 *3000	3640 4630 5180 5460 5526 5360 4960 4230	*1040 760 630 560 530 550 620 750	*1040 *960 710 610 590 620 680 840	- - 670 650 620 610 - -	- - 760 720 690 670 - -	*930 *1000 930 870 820 820 810	- *930 *1000 1010 960 930 910 910	*1530 1280 1220 1220 1170	- - - *1530 1500 1410 1360 1320	- - - - - 2020 2060 1970	- - - - - 2230 2410 2500
B 5 m 4 m 3 m 2 m 1 m 0 m -1 m -2 m	3640 4630 5180 5460 5526 5360 4960 4230 (A=)	*1040 770 640 570 550 560 630 770	*1040 *960 *1010 *1040 *1070 *1110 *1160 *1180	5 - - 680 670 640 620 - -	*1000 *1070 *1160 *1230 - -	*930 *1000 940 890 830 850 830	*930 *1000 *1210 *1450 *1610 *1320	*1530 1320 1240 1250 1190	- - *1530 *2070 *2360 *2290 *1920 Long	- - - - 2050 2090 1980 arm, a	- - - - - *3150 *3390 *3000	3640 4630 5180 5460 5526 5360 4960 4230	*1040 760 630 560 530 550 620 750	*1040 *960 710 610 590 620 680 840 eight	- - 670 650 620 610 - -	- - 760 720 690 670 - -	*930 *1000 930 870 820 820 810	- *930 *1000 1010 960 930 910 910 ground m	*1530 1280 1220 1220 1170	- - *1530 1500 1410 1360 1320	- - - - 2020 2060 1970	- - - - 2230 2410 2500
B 5 m 4 m 3 m 2 m 1 m 0 m -1 m -2 m A B	3640 4630 5180 5460 5526 5360 4960 4230 (A=)	*1040 770 640 570 550 560 630 770 M *1040 840	*1040 *960 *1010 *1040 *1070 *1110 *1180 **************************	5 	*1000 *1070 *1160 *1230 - - Blade or m	*930 *1000 940 890 830 850 830 **********************************	*930 *1000 *1210 *1450 *1620 *1610 *1320 **1610 *1320	*1530 1320 1240 1250 1190	- - - *1530 *2070 *2360 *2290 *1920 Long	2050 2090 1980 arm,	- - - - *3150 *3390 *3000 additio	3640 4630 5180 5460 5526 5360 4960 4230 (A=)	*1040 760 630 560 530 550 620 750 Interwe	*1040 *960 710 610 590 620 680 840 *ight *1040 *960	670 650 620 610 	- - 760 720 690 670 - - Blade a	*930 *1000 930 870 820 820 810 <b>above</b> 1	- *930 *1000 1010 960 930 910 910 ground m - *930	*1530 1280 1220 1220 1170	- - - *1530 1500 1410 1360 1320	2020 2060 1970	- - - - 2230 2410 2500
B 5 m 4 m 3 m 2 m 1 m 0 m -1 m -2 m  A B 5 m	3640 4630 5180 5460 5526 5360 4960 4230 (A=) 3640 4630 5180	*1040 770 640 570 550 560 630 770 *1040 840 700	*1040 *960 *1010 *1070 *1110 *1160 *1180 **1180 **1040 *960 *1010	5 	*1000 *1070 *1160 *1230 - - Blade or m - *1000	*930 *1000 940 890 830 850 830  *930 *1000	*930 *1000 *1210 *1450 *1610 *1320 *1610 *1320 *1000		*1530 *2070 *2360 *2290 *1920 Long	2050 2090 1980 arm, 6	*3150 *3390 *3000 additio	3640 4630 5180 5460 5526 5360 4960 4230 (A=) 3640 4630 5180	*1040 760 630 560 530 550 620 750 anterwe *1040 830 690	*1040 *960 710 610 590 620 680 840 2ight *1040 *960 770	670 650 620 610 5	- - 760 720 690 670 - - - Blade a	*930 *1000 930 870 820 820 810 *1000 *1000	- *930 *1000 1010 960 930 910 910  ground m - *930 *1000		- - *1530 1500 1410 1360 1320	2020 2060 1970	- - - - 2230 2410 2500
B 5 m 4 m 3 m 2 m 1 m 0 m -1 m -2 m B 5 m 4 m 3 m 2 m	3640 4630 5180 5460 5526 5360 4960 4230 (A=) 3640 4630 5180 5460	*1040 770 640 570 550 560 630 770  M *1040 840 700 620	*1040 *960 *1010 *1070 *1110 *1160 *1180 **1180 **1040 *1010 *1040	5 	*1000 *1070 *1160 *1230 - - *18ade or m *1000 *1070	*930 *1000 940 890 830 850 830 *1000 *1000 *1000	*930 *1000 *1210 *1450 *1610 *1320 *1610 *1320 *1000 *1210	*1530 1320 1240 1250 1190 3 *1530	*1530 *2070 *2360 *2290 *1920 Long		*3150 *3390 *3000 additio	3640 4630 5180 5460 5526 5360 4960 4230 <b>(A=)</b> 3640 4630 5180 5460	*1040 760 630 560 530 550 620 750  Interwee *1040 830 690 610	*1040 *960 710 610 590 620 680 840 eight *1040 *960 770 670		- 760 720 690 670 Blade a m - 830 790	- *930 *1000 930 870 820 820 810 *above ( 4 - *930 *1000 1010	- *930 *1000 1010 960 930 910 910  **ground m - *930 *1000 1100		- - *1530 1500 1410 1360 1320 <b>m</b> - - *1530		- - - - 2230 2410 2500 <b>m</b>
B 5 m 4 m 2 m 1 m 0 m -1 m -2 m B 5 m 4 m 3 m 2 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1	3640 4630 5180 5526 5360 4960 4230 (A=) 3640 4630 5180 5460 5520	*1040 770 640 570 550 560 630 770  *1040 840 700 620 600	*1040 *960 *1010 *1070 *1110 *1180 *1180 *1180 *1040 *1040 *1070	5 680 670 640 620 - - 5 5 - 740 730 700	*1000 *1070 *1160 *1230 	*930 *1000 940 890 830 850 830 *1000 4 *930 *1000 1020 970	*930 *1000 *1210 *1450 *1610 *1320 *1610 *1320 *1000 *1210 *1450		*1530 *2070 *2360 *2290 *1920 Long		*3150 *3390 *3000 <b>additio</b>	3640 4630 5180 5460 5526 5360 4960 4230 <b>(A=)</b> 3640 4630 5180 5460 5520	*1040 760 630 560 530 550 620 750 **1040 **1040 830 690 610 580	*1040 *960 710 610 590 620 680 840 eight *1040 *960 770 670 650		- 760 720 690 670 Blade a m 830 790 760	*930 *1000 930 870 820 820 810 *above ( 4 - *930 *1000 1010 950	- *930 *1000 1010 960 930 910 910  ground m - *930 *1000 1100 1050		- - - *1530 1500 1410 1360 1320 <b>m</b> - - - *1530 1640		- - - 2230 2410 2500 <b>m</b> - - -
B 5 m 4 m 2 m 0 m -2 m B B 5 m 4 m 2 m 1 m -2 m B B 5 m 4 m 2 m 1 m 0 m 1 m 0 m	3640 4630 5180 5526 5360 4960 4230 (A=) 3640 4630 5180 5460 5520 5360	*1040 770 640 570 550 560 630 770 *1040 840 700 620 600 620	*1040 *960 *1010 *1070 *1110 *1180 *1180 *1180 *1180 *1040 *1040 *1070 *1110	5 680 670 640 620 - - 5 5 - 740 730 700 680	*1000 *1070 *1160 *1230 - - *1160 *1230 *1230 *1160 *1070 *1160 *1230	*930 *1000 940 890 830 850 830  *1000 4  *930 *1000 1020 970 910	*930 *1000 *1210 *1450 *1620 *1610 *1320 *1320 *1320 *1320 *1450 *1210 *1450 *1620		*1530 *2070 *2360 *2290 *1920 Long	2290		3640 4630 5180 5460 5526 5360 4960 4230 (A=) 3640 4630 5180 5460 5520 5360	*1040 760 630 560 530 550 620 750 *1040 *30 610 580 610	*1040 *960 710 610 590 620 680 840 2ight *1040 *960 770 670 650 680	670 650 620 610 730 710 680 670	- 760 720 690 670 Blade a m - 830 790 760 740	*930 *1000 930 870 820 820 810 *above 1 - *930 *1000 1010 950 900	- *930 *1000 1010 960 930 910 910  ground m - *930 *1000 1100 1050 1020		- - - *1530 1500 1410 1360 1320 <b>m</b> - - - *1530 1640 1550		- - - 2230 2410 2500 <b>m</b> - - - - 2510
B 5 m 4 m 2 m 1 m 0 m -1 m -2 m B 5 m 4 m 3 m 2 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1	3640 4630 5180 5460 5526 5360 4960 4230 (A=) 3640 4630 5180 5460 5520 5360 4960	*1040 770 640 570 550 560 630 770  *1040 840 700 620 600	*1040 *960 *1010 *1070 *1110 *1180 *1180 *1180 *1040 *1040 *1070	5 680 670 640 620 - - 5 5 - 740 730 700	*1000 *1070 *1160 *1230 	*930 *1000 940 890 830 850 830 *1000 4 *930 *1000 1020 970	*930 *1000 *1210 *1450 *1610 *1320 *1610 *1320 *1000 *1210 *1450	- 1530 1320 1240 1250 1190 3 *1530 1440 1360 1370	*1530 *2070 *2360 *2290 *1920 Long	2290 2330	*3150 *3390 *3000 <b>additio</b>	3640 4630 5180 5460 5526 5360 4960 4230 (A=) 3640 4630 5180 5460 5520 5360 4960	*1040 760 630 560 530 550 620 750 **1040 **1040 830 690 610 580	*1040 *960 710 610 590 620 680 840 eight *1040 *960 770 670 650		- 760 720 690 670 Blade a m 830 790 760	*930 *1000 930 870 820 820 810 *above ( 4 - *930 *1000 1010 950	- *930 *1000 1010 960 930 910 910  ground m - *930 *1000 1100 1050		- - - *1530 1500 1410 1360 1320 <b>m</b> - - - *1530 1640	2260 2300	- - - - 2230 2410 2500 <b>m</b>



# **SPECIFICATIONS**



#### [ WEIGHT +/- 2% (EN STANDARDS) ]

	Weight	Ground pressure
Operating weight (rubber tracks)	5485 kg	0,30 kgf/cm²
Transport weight (rubber tracks)	5410 kg	0,30 kgf/cm²
With steel tracks	5515 kg	0,31 kgf/cm²
With additionnal counterweight	+ 195 kg	-



#### [ENGINE]

Туре	4TNV84T-ZMBV
Fuel	Diesel
Net Power	32,6 kW (at 2200 rpm)
Gross Power	33,4 kW (at 2200 rpm)
Displacement	1 995 l
Maximum torque	149,5 - 162,8 N.m
Cooling	Water cooling
Starter	12 V - 2,3 kW
Battery	12 V - 100 Ah
Alternator	12 V - 55 A



#### [ HYDRAULIC SYSTEM ]

Maximum pressure	245 bar
1 double piston pump with variable flow	2 x 45,8 l.min <sup>-1</sup>
1 gear pump	37 l.min <sup>-1</sup>
1 gear pump for pilot line	10,8 l.min <sup>-1</sup>

РТО	Theoretical data at 2200 rpm						
PIU	Pressure (bar)	Flow (l.min <sup>-1</sup> )					
2 way	0 - 245	37 - 82,8					
1 way	0 - 245	37 - 82,8					



Oil flow decreases as the pressure increases

#### ★ [ PERFORMANCE ]

Travel speed	2,2 - 4,4 km/h
Rotation speed	10 rpm
Digging force (arm)	24,4 / 22,2 kN (with long arm)
Digging force (bucket)	41,9 kN
Traction force	55,8 kN
Gradability	30°
Noise level (2000/14/CE & 2005/88/CE)	79 dB(A) / 94 dB(A)

#### والكو

#### [ UNDERCARRIAGE ]

Number of top rollers	1
Number of bottom rollers	4
Track tensioning system	Grease adjuster

#### [ CAPACITIES ]

Fuel tank	66 I
Coolant	7,1 l
Engine oil	7,4
Hydraulic circuit	74
Hydraulic tank	38

#### MAINTENANCE FREQUENCY





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