snorkel

SR1065



CE

OPERATOR'S and MAINTENANCE MANUAL

Part Number 159-0053-000
November 2019

Stage IIIA Deutz Engine

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and Maint... Order the manual at mid-west-tech.com >

Contents

1. GENERAL INFORMATION 9
1.1 PRELIMINARY INFORMATION 10
1.1.1 DOCUMENT IDENTIFICATION 10
1.1.2 SYMBOLS USED IN THE MANUAL 10
1.1.3 MANUAL OWNERSHIP 10
1.1.4 VALIDITY 10
1.1.5 THE IMPORTANCE OF THE MANUAL 11
1.1.6 RECIPIENTS OF THE MANUAL 11
1.1.7 SAFE-KEEPING OF THE MANUAL 11
1.1.8 TERMINOLOGY USED 11
1.2 THE MANUFACTURER 12
1.3 THE DEALER 12
1.4 CE CERTIFICATION 13
1.5 OPERATOR TRAINING 13
1.5.1 DRIVING ABILITY 13
1.6 MACHINE IDENTIFICATION 13
1.6.1 TECHNICAL NAME 13
1.6.2 IDENTIFICATION PLATE 14
1.7 NOISE 15
1.8 VIBRATION 15
1.9 TECHNICAL SPECIFICATIONS 16
1.9.1 MACHINE WEIGHTS 16
1.9.2 DIMENSIONS 16
1.9.3 BRAKING SYSTEMS 17
1.9.4 TRANSMISSION 17
1.9.5 STEERING 17
1.9.6 HYDRAULIC SERVICES SYSTEM 18
1.9.7 DIFFERENTIAL AXLES 18
1.9.8 DIESEL ENGINES 18
1.9.9 COOLING SYSTEM 18
1.9.10 TIRES 18
1.9.11 DRIVER'S CAB 19
1.10 REGULATORY REFERENCES 20

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >

2. SAFETY 21
2.1 INTENDED USE OF THE MACHINE 22
2.2 UNAUTHORISED USE 22
2.3 LIMITS OF USE 23
2.4 GENERAL REGULATIONS FOR USE 24
2.5 WORKING ON SITE 24
2.6 MANEUVERING ON UNEVEN GROUND 26
2.7 MANEUVERING ON A TRANSVERSAL SLOPE 26
2.8 MANEUVERING ON A LONGITUDINAL SLOPE 27
2.9 IN CASE OF TIPPING OVER 27
2.10 PREPARING TO DRIVE 28
2.10.1 ACCESS TO THE DRIVER'S CAB 28
2.10.2 ADJUSTING THE DRIVER'S SEAT 29
2.10.3 TIPPING THE SEAT 30
2.10.4 SAFETY BELTS 30
2.10.5 ADJUSTING THE STEERING WHEEL 31
2.11 OPENING THE BACK WINDOW 31
2.12 HEATING AND AIR CONDITIONING 31
2.13 SAFETY DECALS 33
2.14 LOAD CHART 35
2.14.1 STABILITY CONDITIONS 36
2.15 ANTI-TIP SYSTEM (LLMI – LLMC) 37
2.16 TRANSPORTING THE MACHINE 38
2.16.1 LOADING AND UNLOADING WITH RAMPS 38
2.16.2 LOADING AND UNLOADING WITH A CRANE 38
2.17 GENERAL SAFETY WARNINGS 39
2.18 CHECKING ENGINE START UP 40
2.19 MOVEMENT IN REVERSE DRIVE 42
2.20 REFUELING THE MACHINE 42
2.21 FUEL QUALITY (DIESEL) 43
2.22 STORING THE MACHINE 43
2.23 MACHINE DEMOLITION 43
2.24 USING THE MACHINE 44
2.24.1 DRIVING ABILITY 44

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >

2.24.2 RESPONSIBLE USE 44
2.24.3 RESPONSIBLE DRIVING 44
2.25 ROAD CIRCULATION 45
2.25.1 BEFORE MOVING 45
2.25.2 FORWARD DRIVE 45
2.25.3 REVERSE DRIVE 45
2.25.4 PARKING 46
3 CONTROLS AND GENERAL REGULATIONS 47
3.1 DESCRIPTION OF THE CONTROLS 48
3.1.1 CONTROL LEVERS ON THE STEERING COLUMN 48
3.1.1.1 LEFT LEVER OF THE STEERING WHEEL (STALK) 48
3.1.1.2 LEVER ON THE RIGHT OF THE STEERING WHEEL 49
3.2 DESCRIPTION OF THE RIGHT FRONT DASHBOARD 50
3.2.1 ON BOARD COMPUTER 50
3.2.1.1 MAIN PAGE 52
3.2.1.2 MACHINE'S FORWARD MOVEMENT AND STREET MODE 53
3.2.1.3 AGRI MODE (OPTIONAL) 55
3.2.1.4 BUCKET MODE 56
3.2.1.5 MENU PAGE 57
3.2.1.6 LANGUAGE PAGE 58
3.2.1.7 CONFIGURATION PAGE 58
3.2.1.8 SOFTWARE VERSION PAGE 59
3.2.1.9 ENGINE PAGE 60
3.2.1.10 VEHICLE ERRORS PAGE 61
3.2.1.11 INPUTS PAGE 62
3.2.1.12 FNR MODE 64
3.2.1.13 CONSTANT OIL FLOW (OPTIONAL) 65
3.2.1.14 SAFETY WARNINGS 66
3.2.2 RIGHT FRONT DASHBOARD 70
3.2.3 FIRST RIGHT SIDE DASHBOARD 70
3.2.4 SECOND RIGHT SIDE DASHBOARD 72
3.2.5 TOP RIGHT SIDE DASHBOARD 73
3.2.6 PEDALS 74
3.2.7 JOYSTICK 75

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >

1.9 TECHNICAL SPECIFICATIONS

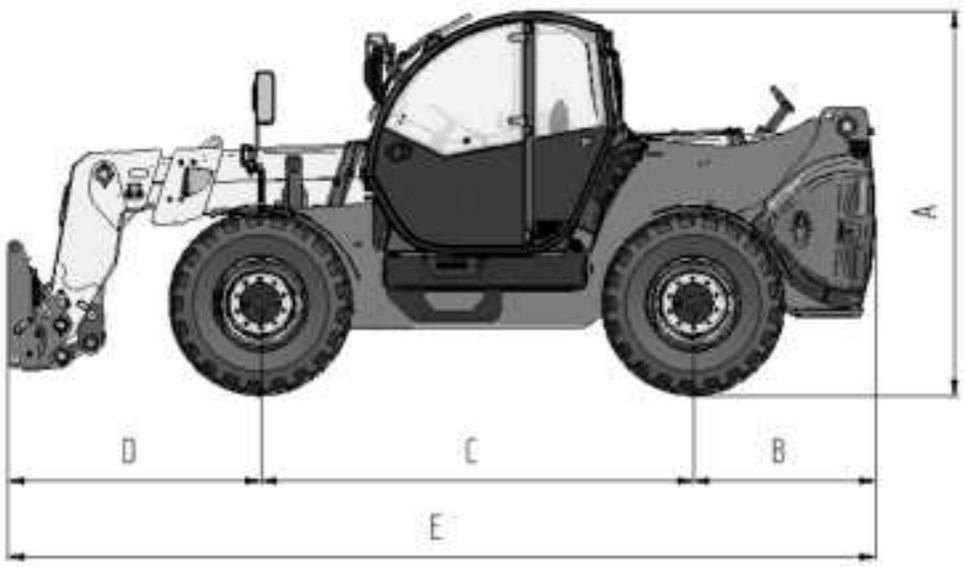
1.9.1 MACHINE WEIGHTS

Unladen machine masses:

MACHINE	WITHOUT ACCESSORIES
Total mass [kg]	10980
1st axis mass [kg]	3660
2nd axis mass [kg]	7280

1.9.2 DIMENSIONS

Dimensions** with no accessory:



MODEL	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
SR1065	2550	1260	2950	1670	5880

Width ** (from the outer part of the wheel to the outer part of the wheel): **2320 mm**

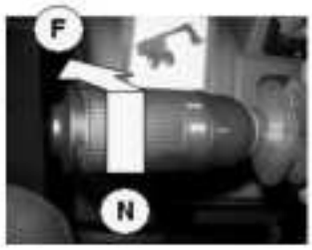
** maximum allowed for the model

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >

3.1 DESCRIPTION OF THE CONTROLS

3.1.1 CONTROL LEVERS ON THE STEERING COLUMN

3.1.1.1 LEFT LEVER OF THE STEERING WHEEL (STALK)



The lever operation is enabled only if the display has chosen to use the FNR function from the lever and not from the joystick.
To enable the forward drive of the machine (F), pull the lever towards the steering wheel and move it forward. The letter "F" will appear on the display on the front right dashboard.



To enable the reverse drive of the machine (R), pull the lever towards the steering wheel and move it back. The letter "R" will appear on the display on the front right dashboard.
Enable the neutral gear (N) by moving the lever to the central position.
The lever controls do not operate when:

- the parking brake is engaged;
- the operator is not sitting in the driver's seat.
- The outriggers are complete extended (if not completely lifted, a message appears on the display).

Regarding the function of the button at the top of the lever, refer to "Machine Levelling".

Reference will be made throughout the manual to the lever on the left side of the steering wheel called "stalk".



It is only possible to use the lever if the steering mode is with the front wheels only. It is dangerous to change the driving direction when the machine is moving at high speed; the machine suddenly inverts the driving direction; before changing direction, allow the machine to reduce speed to a minimum. When reverse drive is selected an acoustic signal will sound to indicate the risk of danger to any people in the maneuvering area.
Attention! If the operator leaves the driver's seat, the neutral gear "N" is automatically engaged after 3 seconds. The function of the lever disables in "concentric" and/or "crab" drive mode.

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >

		FREQUENCY		SCHEDULED MAINTENANCE FREQUENCY					
GROUP	TYPE OF CHECK	DAILY	WEEKLY	FIRST INTERVENTION (250 HOURS)	EVERY 500 HOURS	EVERY 1000 HOURS	EVERY 1500 HOURS	EVERY 2000 HOURS	EVERY 3000 HOURS
GREASING	Lubricate joints		X						
	Lubricate the boom chains [3]		X						
	Boom surfaces in contact with the runners		X						
	Lubricate the cross and transmission shafts		X						
AIR CONDI-TIONING	Recharging the air conditioning*								X
	Replace the cab air filter				X				
	Replacing the air conditioning belt*								X
	Replacing the evaporator/condenser filter*								X

[1] to be carried out annually even if the expected operating hours are not reached

[2] or every 2 years

[3] if applicable

* to be performed by qualified personnel only

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >

2.10.3 TIPPING THE SEAT



Press the lever (G) completely to tilt the backrest forward to access the rear compartment where the accessories supplied are housed together with the instruction booklet of the machine and the various equipment installed. The side armrests can be tilted freely.

The windscreen washer water tank (H) is found on the left side of the seat (with a level indicator).



Attention! The seat is fitted with a sensor that is activated when the operator sits and enables the engine to start.

2.10.4 SAFETY BELTS



In case of an accident, the properly fastened safety belt offers good protection. The risk of injury is reduced and the chances of survival are increased.
Adjust the driver's seat before fastening the safety belt. Hold the tongue and slowly pull the belt over the pelvis. Insert the tongue (1) into the buckle (2) of the seat until you hear it click. Try to pull the safety belt to make sure it is engaged in the buckle.
Adjust the belt by pulling the flap of the belt with your left hand to tighten it across your body. If the belt is too tight, unhook it and lengthen the left side accordingly and repeat the coupling operation.
Release belt by pressing the red button (3). The tongue is expelled.



The belt is adjusted correctly when it is positioned on your pelvis without causing particular discomfort while driving. Using the belt increases the level of operator safety and reduces the risk of accidents. The driver's cab has been designed to support the weight of the machine in case of tipping over (ROPS); it is important for the safety belts to always be kept fastened to avoid being thrown out of the machine or being crushed in case of tipping over.

Never try to climb down the machine while it is tipping over. You are safe inside the cab; the steel structure has been sized to protect the operator inside. Only exit the machine when it is stationary.

MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >

5.29 INSPECTION, RECHARGING AND REPLACEMENT OF THE BATTERY

The battery is the part that enables operation of the machine's electrical system. Its poor operation can cause problems during machine start-up as well as during use. It is housed inside the front compartment shown in the figure.

Inspection

Normal inspection of the battery can be carried out by removing the battery holder compartment cover situated on the front part of the machine. You must loosen the four screws to open it.
It is good practice to inspect it regularly (every 50 hours) to check its external conditions.



Attention! *If it is recharged or replaced or if other operations are carried out that involve removing the contact terminals from the battery and disconnection, ALWAYS wait for minimum 3 minutes from machine shutdown. This interval of time is necessary for the control unit to complete its control cycle after machine shutdown.*

Attention2! *If it is recharged or replaced or if other operations are carried out that involve removing the battery from its housing, it is important to keep in mind that the sulphuric acid contained therein is poisonous and can cause burns. Therefore, as a precaution, it is advisable to work in a ventilated area with adequate protective devices for the face and skin; do not ignite flames in the vicinity and keep children away.*
Proceed with the following operations only if you are well aware of your actions.

Charging

If you must recharge a flat battery after prolonged inactivity, unintentional discharge or malfunction of the machine's recharge system, go to a specialised workshop or carry out the operations personally by taking basic precautions to prevent personal injury and keep the battery intact. Operating in a ventilated, protected place away from flames and sparks, disassemble the machine's battery by loosening the terminals under the plastic protection (see the procedure below to replace the battery) and connect the battery's poles to the relative charger terminals, supplying the maximum current



MidWestTech | Snorkel SR1065 (Stage IIIA Deutz Engine) Telehandler Operator's and... Order the manual at mid-west-tech.com >