WACKER NEUSON

Operator's Manual

Telehandler

TH625



Machine model	407-02
From serial no.	407 02 0001
Version	2.0
Document number	1000326852
Language	[en-au]

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EC Declaration of Conformity

Manufacturer

Kramer-Werke GmbH, Wacker-Neuson-Str. 1, D-88630 Pfullendorf

Product

Machine designation	Telehandler
Model/version	407-02
Trade name	TH625
Serial number	407 02 _ _ _ _
Output kW	50
Measured sound power level dB(A)	101.5
Guaranteed sound power level dB(A)	104

Conformity assessment procedure

According to 2000/14/EC appendix VIII

Notified body involved in procedure

DGUV Test Prüf- und Zertifizierungsstelle (EU identification number: 0515)
Fachausschuss Bauwesen
Landsberger Str. 309
D-80687 München

Applied directives and standards

We hereby declare that this product corresponds to the relevant regulations and requirements of the following EC Directives and standards:
2006/42/EC, 2000/14EC, 2004/108/EC, 2002/44/EC, DIN EN 1459,
DIN EN ISO 12100: 2010, DIN EN 14121, DIN EN 3471, DIN EN 13510,
EN ISO 3744, EN ISO 3746, DIN EN 15695-1,DIN EN ISO 3449, DIN EN 15000

Authorized representative for the compilation of technical documentation

Kramer-Werke GmbH
Product Development
Wacker-Neuson-Str. 1
D-88630 Pfullendorf

Pfullendorf, (date). _ _ . _ _ _ _



M. Arndt
Head of product development
Kramer-Werke GmbH

Original declaration of conformity

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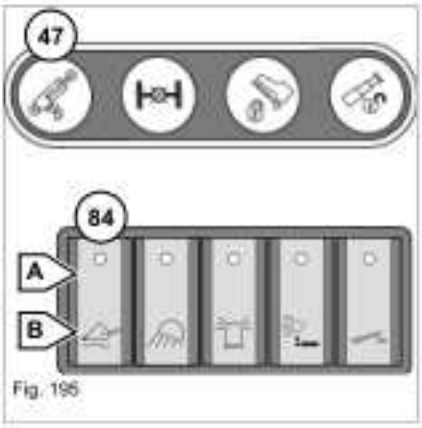


Fig. 196

Operating the load stabilizer (option)

Switch **84** for load stabilizer operation (option) is located on the switch console on the right.

Load stabilizer operation		Function
ON 	Press switch **84** to position **B** at the bottom	➥ Continuous operation ➥ Indicator light **47** illuminates. ➥ The hose burst valve is out of service. ➥ For driving on public roads, for lighter work with the telescopic boom and for light off-road transport.
OFF	Press switch **84** to position **A** at the top	➥ The load stabilizer is switched **OFF**. ➥ The hose burst valve is enabled. ➥ Indicator light **47** goes out. For heavy-duty work, picking up excavated material, for example.

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7.20 Maintenance of options

Automatic trailer coupling (option)

Cleaning and lubricating the trailer coupling

NOTICE

In order to ensure the full functionality of the trailer coupling, close the coupling pin in the trailer coupling before cleaning with high-pressure cleaning equipment!

Information

Maintenance intervals – *see "Maintenance plan" on page 7-3.*
Specifications and fill quantities – *see chapter 7 "7.3 Fluids and lubricants" on page 7-11.*

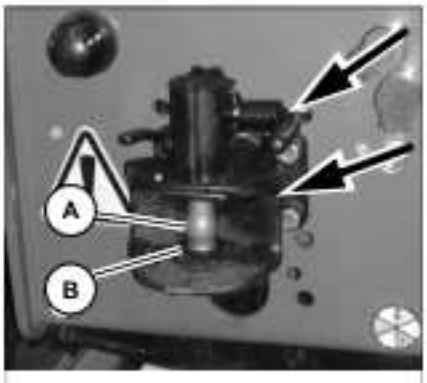


Fig. 293

1. Close the trailer coupling.
2. After cleaning, apply tough water-proof grease (EP3) to coupling pin **A**, base ring **B** and the drawbar eye.
3. Apply tough waterproof grease (EP3) to the lower bearing of the coupling jaw
4. Apply grease to the grease nipple on the joint.
5. Lubricate all moving parts of the height adjustment.

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9 Technical data

9.1 Model and trade names

Telehandler	Trade name
407-02	TH625

9.2 Engine

Diesel engine	
Type	TD 2009 L04
Output (as per ISO 14396)	**50 kW** at 2800 rpm
Max. torque (counterclockwise rotation)	200 Nm 1800 rpm
Minimum idling speed with fixed displacement pump[1]	1100 rpm
Min. specific fuel consumption	230 g/kWh
Number of cylinders	4
Displacement	2290 cm³
Bore and stroke	90/90 mm
Compression ratio	1:17
Fuel injection system	Direct fuel injection
Firing order	1-3-4-2
Starting aid	Sheathed-element glow plug
Max. inclined position (engine no longer supplied with oil)	Max. lateral left/right inclination: 30° (57 %) Max. uphill/downhill inclination: 30° (57 %) Observe the tilting limit of the machine!
Oil pressure	Forced feed lubrication system/2.8 bar
Exhaust emissions according to EC standard	2004/26 EC

1. Hydraulic pump (operating hydraulics)

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Adjusting the additional mirror on the right

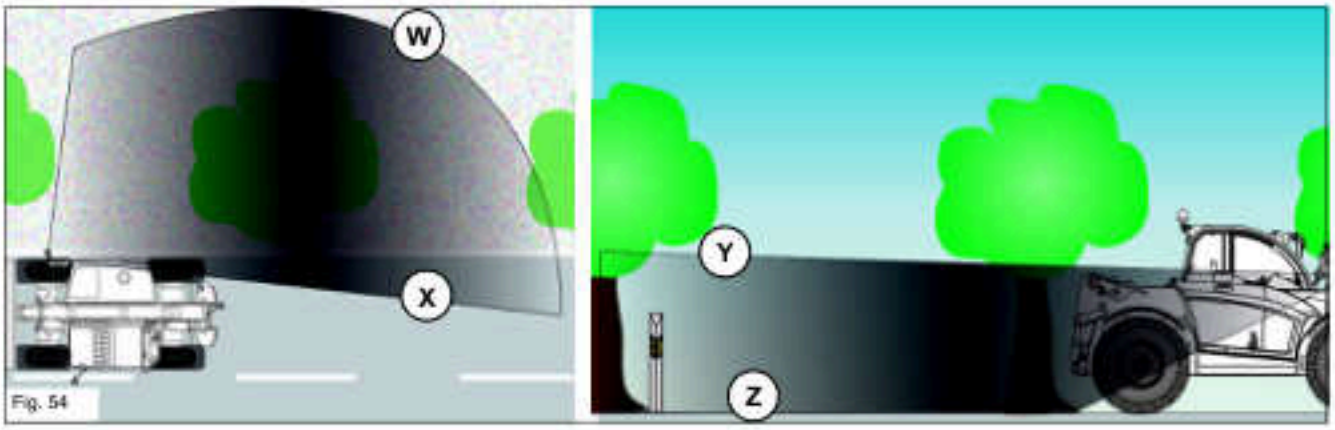


Fig. 54



Fig. 55

1. Adjust the additional mirror on the **right**:
   - The area to the right of the machine must be visible on the outside **W** of the mirror.
   - The rear right part of the machine must be visible on the inside **X** of the mirror.
   - The horizon must be visible at the upper edge **Y**.
   - The upper edge of the rear part of the machine must be visible at the lower edge **Z**.

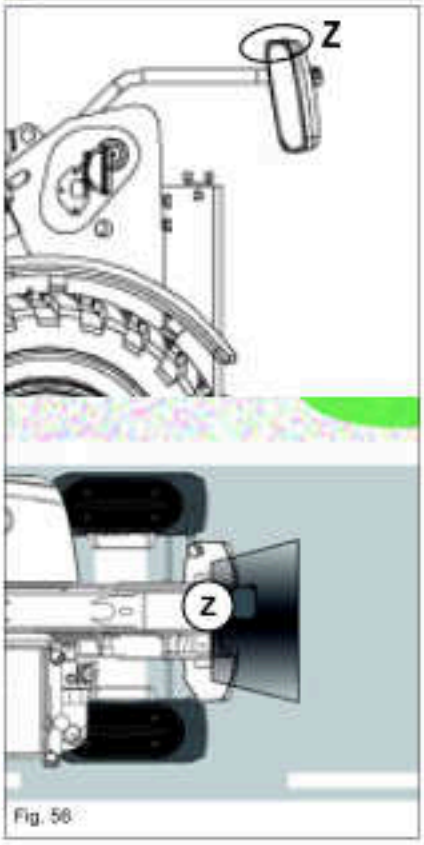


Fig. 56

Adjusting the rear mirrors (option)

Information

The rear mirror is mandatory in connection with a trailer coupling (option) and must be used when hitching and unhitching a trailer.

1. Position the **rear** mirror (option) so that the rear of the machine and the trailer coupling can be seen at the upper edge **Z** of the mirror.

Information

When adjusting the mirror, ensure that the visible area behind the machine can be seen as close as possible at the rear of the machine.

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Hydraulic oil and coolant preheating (option)



Fig. 72

The hydraulic oil and coolant preheating is used as a cold-starting aid at temperatures below −5 °C. Heating elements are integrated in the coolant circuit and hydraulic oil tank.

Information

The hydraulic oil and coolant preheater reduces pollutant emissions during the warm-up phase and saves fuel at the same time.

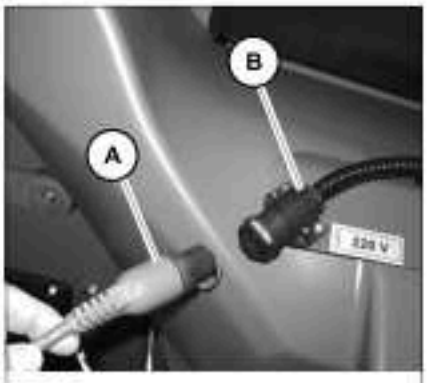


Fig. 73

Notices on putting into operation

Heating elements warm up the diesel engine coolant circuit and the hydraulic oil in the hydraulic oil tank.

The hydraulic oil or coolant circuit can only be thoroughly warmed up if the preheating is connected over a longer period of time.

Electric connection **B** (socket for heating elements) is located on the hydraulic oil tank under the engine cover.

Connecting cable **A** forms part of the equipment supplied with the machine.

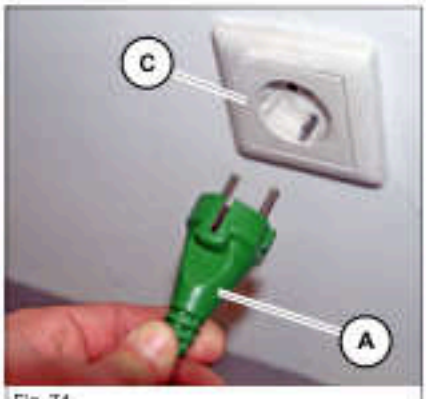


Fig. 74

Start the preheating

1. Park the machine near a 230 V socket.
2. First connect connecting cable **A** (supplied with the machine) with machine socket **B**, then insert the plug into the 230 V socket **C**.

Before starting the diesel engine:

3. Remove connecting cable **A** from the 230 V socket **C** and machine socket **B**.
4. Start the diesel engine.

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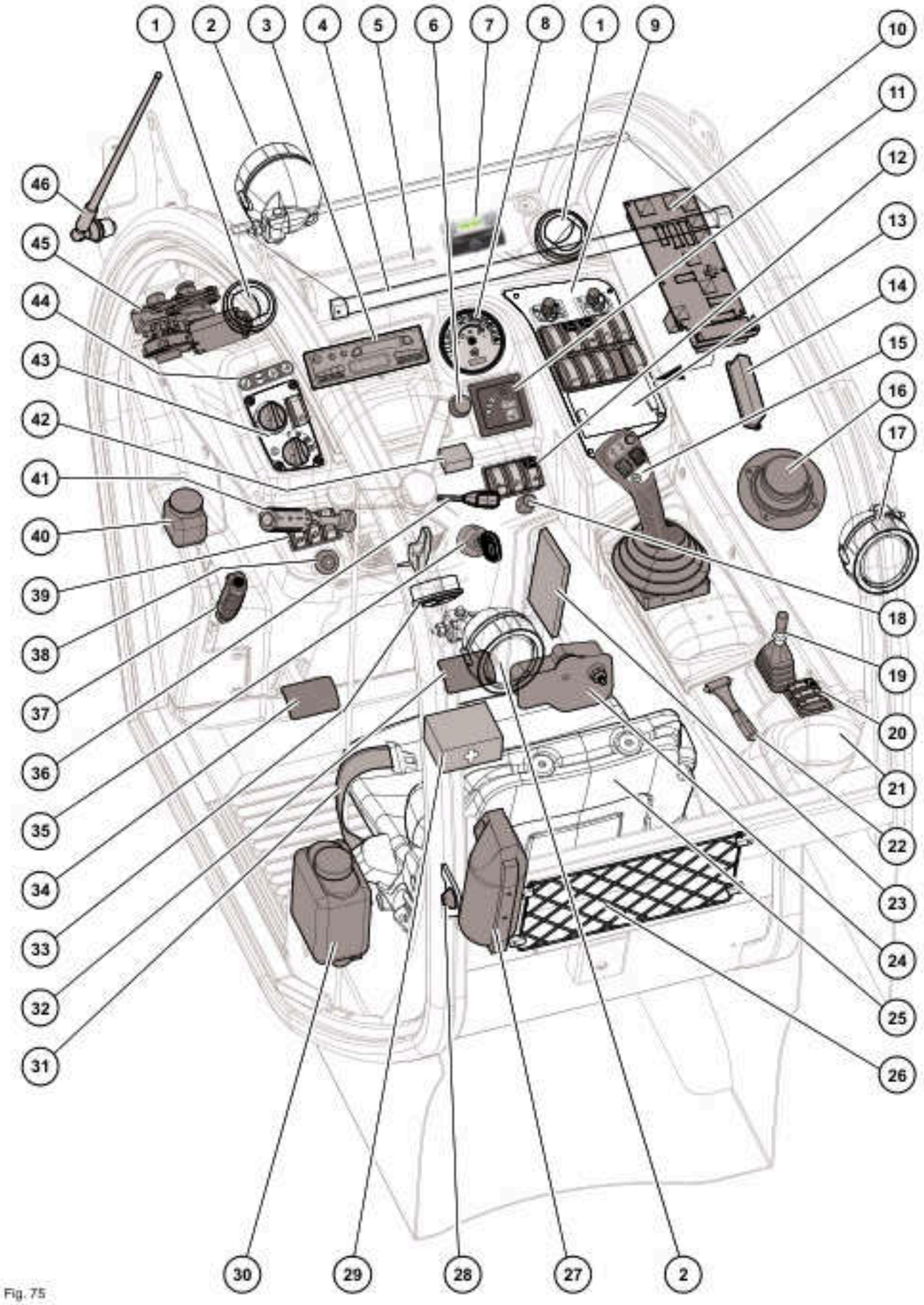


Fig. 75

Overview of inside of cabin

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