WACKER NEUSON

Operator's manual

Telehandlers

TH627



This Operator's Manual includes the AEM Safety Manual RTT-0907

Machine model	418-12
Version	1.0
Document number	1000390678
Language	[us]

AEM MEMBER

1000390678

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EC / EU Declaration of Conformity

according to directive 2006/42/EC, EU official register L157 from June 09, 2006
according to directive 2000/14/EC, EU official register L162 from 7/3/2000
according to directive 2014/30/EU, EU official register L96 from March 29, 2014

Manufacturer

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

Product description

Designation	Telehandlers
Type	418
Variant	418-12
Trade name	TH627
Serial number	WNK41812xxxxx _ _ _ _
Output in kW	55.4
Measured sound power level dB(A)	103
Guaranteed sound power level dB(A)	104

We hereby declare that the abovementioned product meets all relevant clauses of the harmonization laws listed.

The manufacturer bears sole responsibility for issuing this compliance statement.

Compliance assessment procedure used

The compliance assessment procedure in accordance with Schedule VIII to EC directive 2000/14 was employed to determine the environmentally polluting noise emissions for use of the machines in question in the open air.

Notified body involved in procedure

DGUV Test Prüf- und Zertifizierungsstelle [DGUV testing and certification center] (EU identification number: 0515, Building Trade Department)
Landsberger Straße 309, D-80687 Munich

Applicable harmonized standards

EN 13309:2010, EN 1459-1:2017, EN 1459-5:2015

Other applicable standards and technical regulations

ISO/TR 25398:2006

Authorized representative for the compilation of technical documentation

Kramer-Werke GmbH, Wacker Neuson Straße 1, D-88630 Pfullendorf

Pfullendorf, the _ _ . _ _ . _ _ _ _



M. Arndt
Head of product development
Kramer-Werke GmbH

Original declaration of conformity

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Interior light

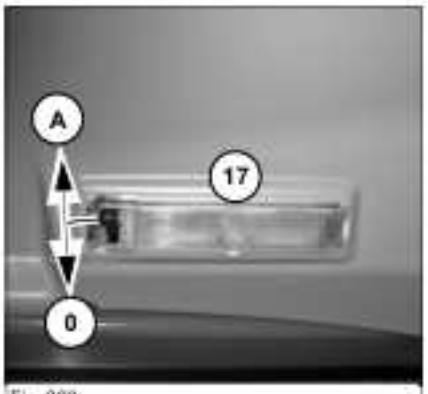


Fig. 203

The interior light is located at the upper right on the cabin roof and is adjusted with switch **17**.

Interior light operation		Function
A	Switch upward	➥ Interior light **ON** (continuous operation)
0	Switch downward	➥ Interior light **OFF**

Turn indicators

NOTICE

If the control lamp **58** of the travel direction display is flashing about twice as quickly as normally, then the indicator system is not functioning properly!

► Have the turn indicator system repaired.

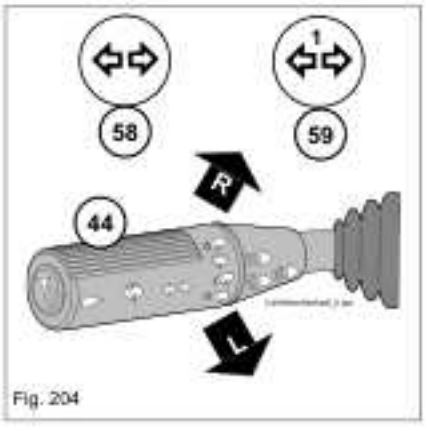


Fig. 204

Operating the turn indicators		Function
Right	Press the lever **44** in the direction **R**.	➥ Indicator light **58** flashes. ➥ The control light **59** flashes in addition during trailer operation.
Left	Pull the lever **44** in the direction **L**	➥ Indicator light **58** flashes. ➥ The control light **59** flashes in addition during trailer operation.

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Component/ application	Capacities[1]	Fluid/lubricant[2]	SAE grade/specification/ manufacturer designation	Season/ temperature
Grease nipples[12]	As required	Multi-purpose grease	Lithium-saponified brand-name grease MPG-A	Year-round
Pad tracks[13, 14], telescopic boom and inside of the telescopic boom tube	As required	Special grease	Optimoly paste TA or Fuchs STABYL TA	Year-round
Installation of pins, shafts[15]	As required	Special grease	Fuchs "gleitmo" 800	Year-round
Battery terminals	As required	Acid-proof grease	SP-B	Year-round
Washer system	Water 1.0 ltr. (0.26 gal) (45%) Antifreeze 2.0 ltr. (0.52 gal) (55%)	Antifreeze with cleansing agent[16]	Water + antifreeze	Year-round -20°C (4°F)
Aggressive media (opt)[17]	As required	Anti-corrosion protection	ELASKON 2000 ML, ELASKON UBS light ELASKON Aero 46 special, ELASKON Multi 80	Year-round
Air conditioning (option)[18]	950 g (2.09 lbs.)	Refrigerant	R 134a/DIN 9860	Year-round

1. The capacities indicated are approximate values; the oil level check alone is relevant for the correct oil level
2. Bear in mind the safety data sheet during maintenance.
3. Specification: API CI-4.
4. Factory fill of antifreeze concentrate -60°C (-76°F). See *"Coolant" on page 8-15* and manufacturer indications on the packaging
5. In order to avoid engine damage and possible loss of warranty, use only the released antifreeze
6. The antifreeze must be replaced every 2 years by an authorized service center
7. In order to avoid engine damage, use only the additives authorized by KOHLER
8. If fuels that do not comply with DIN EN or ASTM (USA) are used, warranty rights shall not apply in case of diesel engine damage
9. In order to avoid a failure of the braking system, do not mix this brake fluid (**ATF**) with other brake fluids
10. 130 ltr. (34.34 gal) in complete work hydraulics system
11. DIN 51 524 (ISO 6743/4)
12. Use special grease at temperatures below -15°C. Contact your sales partner for more information.
13. Lubricate the lower gliding surface of the extended telescopic boom and the gliding surface in the telescopic boom tube in the rear upper inside with a brush or roller
    – see *Lubricate the pad tracks on page 7-29*
14. **Caution!** If the telescopic boom is treated with the "smooth paint" finish, the pad tracks of the leveling jack as well as the inside of the telescopic boom tube may only be lubricated with the special grease "STABYL TA" – see *Post-treatment of the pad tracks with applied smooth paint (optional) on page 7-30*
15. Before assembly: lubricate the bolts, shafts and bearing with Fuchs "gleitmo" 800. After assembly: lubricate the shafts and bolts via zerk fittings.
16. See manufacturer's indications on the packaging and bear in mind the antifreeze compound table
17. Have the sealing checked and repaired at least once a year by ELASKON – see the ELASKON servicing pass supplied with the machine.
18. Maintenance on the air conditioning may only be performed by an authorized service center.

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Breakout force

Breakaway force/scraping depth	132° kinematics	150° kinematics
Lifting cylinder	28 kN (6294.6 lbf)	29 kN (6519.4 lbf)
Tilt cylinder	44 kN (9891.6 lbf)	32 kN (7193.8 lbf)
Scraping depth[1]	150 mm (5.9 in)	

1. With standard bucket and tires 12.5-18

Payload of the loader bucket

Maximum authorized bucket payloads = pallet forks payloads – bucket weight.

- Bucket curb weight, see type label affixed on bucket.
- Pallet fork payload – *see "Load-bearing capacity tables – KRAMER, WEIDEMANN, EURO pallet forks" on page 9-19.*

Calculation example for retracted telescopic boom

- Payload 2700 kg (5952.4 lb) (see pallet fork load diagram) - 600 kg (1322.7 lb)
  bucket curb weight = 2100 kg (4629.7 lb) actual payload in the bucket.

Calculation example for extended telescopic boom

- Payload 1000 kg (2204.6 lb) (see pallet fork load diagram) - 600 kg (1322.7 lb)
  bucket curb weight = 400 kg (881.8 lb) actual payload in the bucket.

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ROUGH TERRAIN FORKLIFT TRUCKS

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SAFETY MANUAL

FOR OPERATING AND MAINTENANCE PERSONNEL



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Acknowledgment

We wish to acknowledge the contributions of the members of AEM's Rough Terrain Forklift Truck Council to the preparation of this Safety Manual.

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Revised 09/98, 05/03, 05/09

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Checking and adjusting the sliding plates

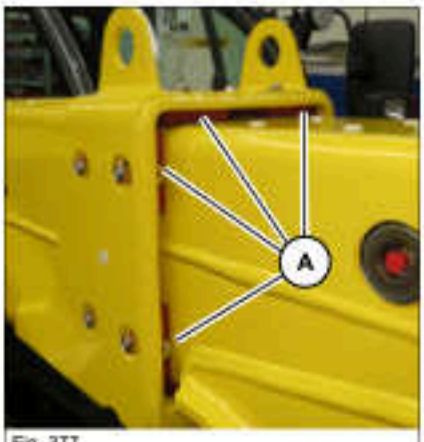
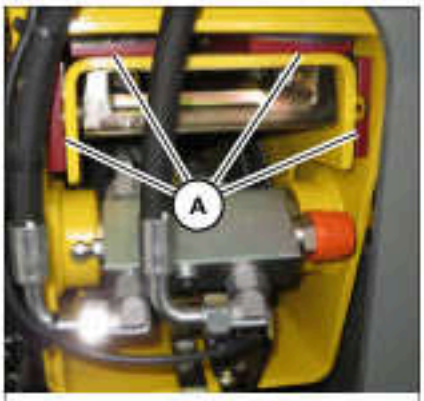


Fig. 377



Fig. 378



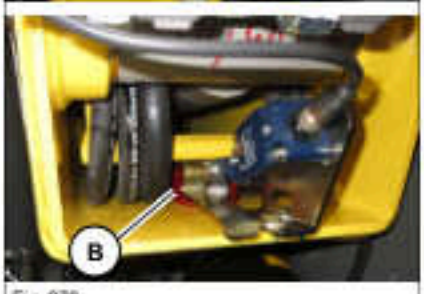


Fig. 379

The sliding plates are located between the inside and outside boom sections of the telescopic arm.

Information

Maintenance intervals – *see "Maintenance plan" on page 7-4.*

NOTICE

Check the wear limits of the sliding plates regularly!

Have the sliding plates readjusted with compensating panels if wear exceeds 1 mm (0.004 in).

Replace the wear pads if they are below the specified minimum thickness!

Have the sliding plates only readjusted or replaced by an authorized service center.

Caution! If the checking, adjusting and/or replacing of sliding plates is not performed, this may lead to severe damage (formation of furrows due to scoring) on the pad tracks, making a complete replacement of the telescopic boom necessary.

Pos.	Location	Slide plates in new condition	Slide plates minimum thickness
A	Front/rear top/side	13 mm (0.5 in)	**> 10.5 mm (0.55 in)**
B	Lower rear center	40 mm (1.57 in)	**> 35 mm (1.37 in)**

Information

Have the slide plates only readjusted or replaced by an authorized service center.

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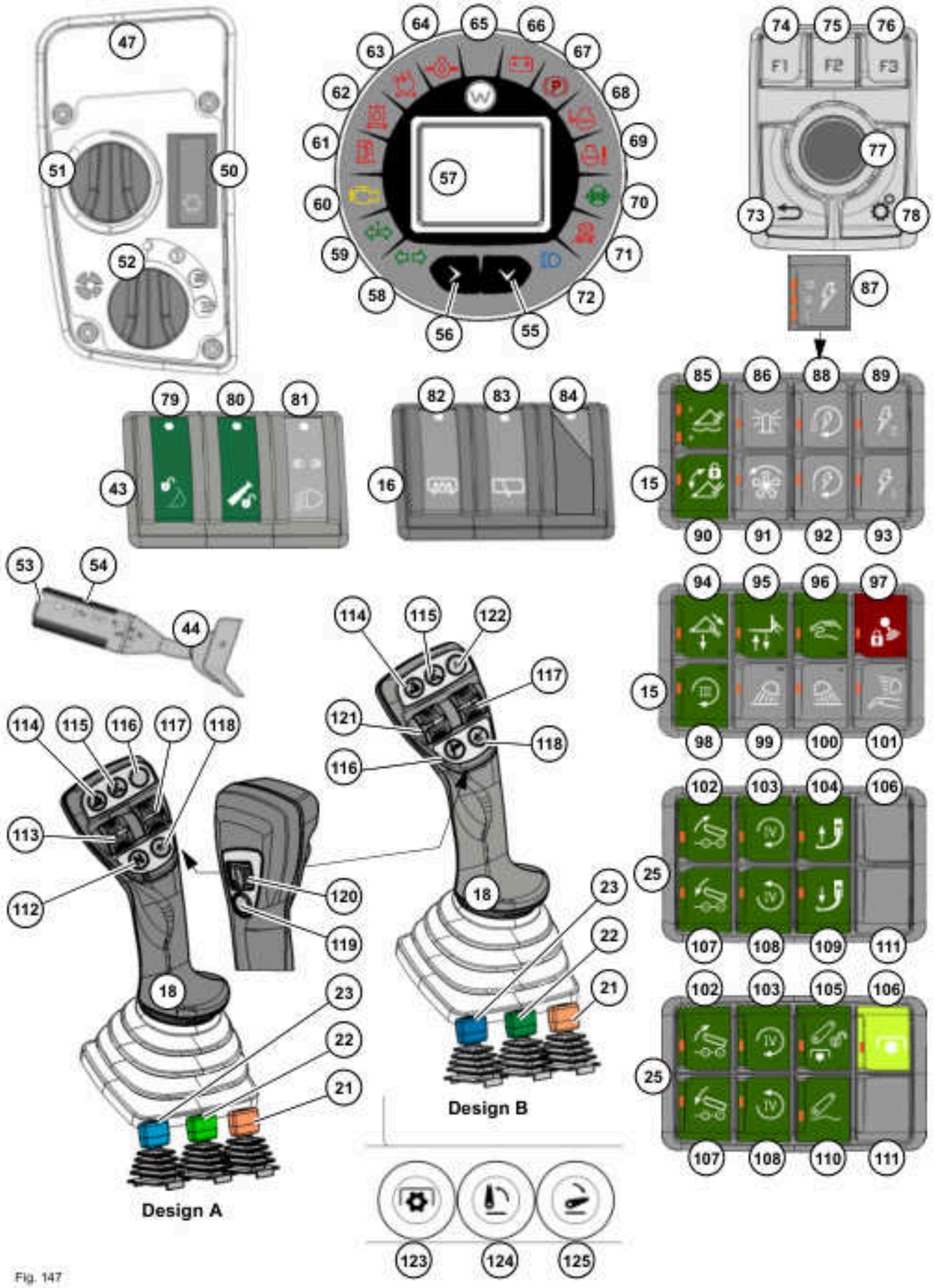


Fig. 147

Overview: indicating instruments, switch consoles, joysticks

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84 Not assigned	

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