LINDE LIFT TRUCK CORP.
A MEMBER OF THE LINDE GROUP



Electric 4-Wheel Tow Tractor

SAFETY TIPS

and a guide to the
Information Plates,
Operation and Warning Decals
found on your truck

162513 04.03

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Characteristics	1.1	Manufacturer			Linde		Linde	
	1.2	Model designation			**W 20 (2 200)**		**W 20 (2 600)**	
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power			Battery		Battery	
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker			Seated		Seated	
	1.5	Carried load capacity	Q (t)		2		2	
	1.7	Rated drawbar pull with/without carried load	F (N)	500/900 [1]	800/1200 [1]	500/900 [1]	800/1200 [1]	
	1.9	Wheelbase	y (mm)		1 900		1 900	
Weights	2.1	Service weight	kg		3 100		3 200	
	2.2	Axle load with load, front/rear	kg		2 300/2 800		2 100/3 100	
	2.3	Axle load without load, front/rear	kg		1 800/1 300		1 800/1 400	
Wheels and tyres	3.1	Tyres, front/rear (SE = CS superelastic, P = pneumatic)			P/P [2]		P/P [2]	
	3.2	Tyre size, front			6.00 R 9		6.00 R 9	
	3.3	Tyre size, rear			7.00 R 12		7.00 R 12	
	3.5	Wheels, number front/rear (x = driven)			2/2x		2/2x	
	3.6	Track width, front	b_{10} (mm)		1 080		1 080	
	3.7	Track width, rear	b_{11} (mm)		1 020		1 020	
Dimensions	4.7	Height of overhead guard (cabin)	h_6 (mm)		1 820		1 820	
	4.8	Height of seat/stand-on platform	h_7 (mm)		745		745	
	4.12	Towing coupling height	h_{10} (mm)		240, 295, 350, 405		240, 295, 350, 405	
	4.13	Platform height, without load	h_{13} (mm)		840		840	
	4.16	Loading platform, length	l_5 (mm)		2 200		2 600	
	4.17	Rear overhang	l_6 (mm)		730		1 130	
	4.18	Loading platform, width	b_9 (mm)		1 300		1 300	
	4.19	Overall length	l_1 (mm)		3 530		3 930	
	4.21	Overall width	b_1 (mm)		1 300		1 300	
	4.32	Ground clearance, centre of wheelbase	m_2 (mm)		150		150	
	4.35	Turning radius	W_a (mm)		3 280		3 280	
	4.36	Minimum pivoting point distance	b_{13} (mm)		1 095		1 095	
Performance	5.1	Travel speed, without rated drawbar pull	km/h	15/20	20/25	15/20	20/25	
	5.5	Drawbar pull at 60 minute rating with/without carried load	N	500/900	800/1200	500/900	800/1200	
	5.6	Maximum drawbar pull with/without carried load	N	3100/3500 [3]	9600/10000 [3]	3100/3500 [3]	9600/10000 [3]	
	5.7	Climbing ability with/without carried load, 30 minute rating	%		See graph		See graph	
	5.8	Maximum climbing ability with/without carried load, 5 minute rating	%		See graph		See graph	
	5.10	Service brake			Hydraulic/electric		Hydraulic/electric	
Drive	6.1	Drive motor, 60 minute rating	kW	5 [4]	20 [5]	5 [4]	20 [5]	
	6.3	Battery according to IEC			254-2		254-2	
	6.4	Battery voltage/rated capacity (5h)	V/Ah		80/240 [4]		80/240 [4]	
	6.5	Battery weight (± 5%)	kg		679		679	
	6.6	Power consumption according to VDI cycle	kWh/h		*		*	
Other	8.1	Type of drive control			AC - microprocessor		AC - microprocessor	
	8.4	Noise level at operator's ear	dB (A)		*		*	
	8.5	Towing coupling, design/type, DIN/no			*		*	

NOTES:

1) **Based on level, dry surface with rolling resistance of 200 N/t. Refer to graph on previous page for specific operating conditions and when applications involves inclines or ramps.**

2) **Contoured solid (superelastic) tyres are available.**

3) **Refer to manufacturer for figures.**

4) **72 V circuit is available. Traction speed is reduced by 10%.**

5) **High torque 20kW motor is available in conjunction with 320 Ah battery only.**

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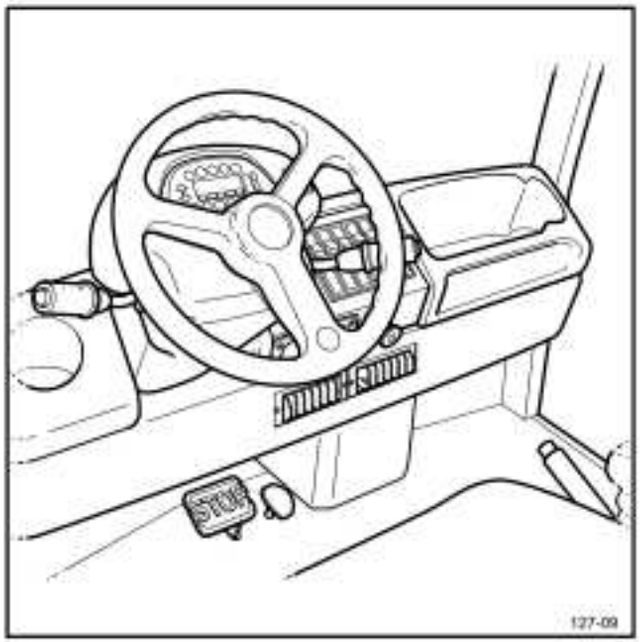
Controls and their operation

Check all truck controls for correct and safe operation.

- Check function of braking system.
- Check function of steering system.
- Check function of traction system.
- Check function of driver's display.
- Check function of all ancillary controls.

☞ **NOTE: When the keyswitch is turned on, the driver's display should flash briefly. Should any of the indicators fail to flash, then report to supervision.**

DANGER: Never use a truck which has faulty controls.



Interlock switches

DANGER: For your own safety, and the safety of others, the tractor is fitted with various interlocks. Under no circumstances should the operation of these interlocks be interfered with.

Check all tractor interlock switches for correct and safe operation.

- Check the function of the keyswitch/rotary switch*
- Check the function of the emergency isolator
- Check the function of the handbrake switch
- Check the function of the seat switch
- Check the function of the battery door switch (W20 only)

* If fitted

Should any of the interlock switches fail to operate correctly, then report to supervision.

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Lubricate the automatic towing coupling *

- Lubricate the automatic towing coupling locking mechanism.

Check and adjust the handbrake

☞ **NOTE: We strongly recommend that this operation and other brake adjustments be carried out by your local Linde representative.**

DANGER: The tractor must not be driven with a defective braking system.

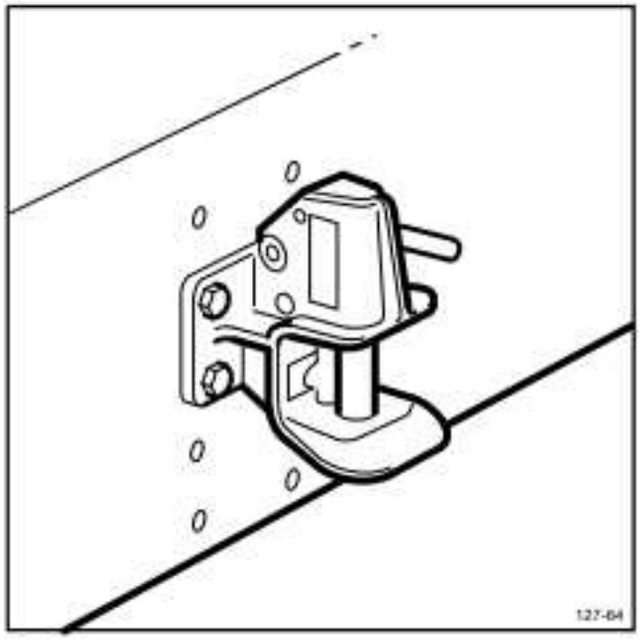
Lubricate the top and bottom steering swivel bearings

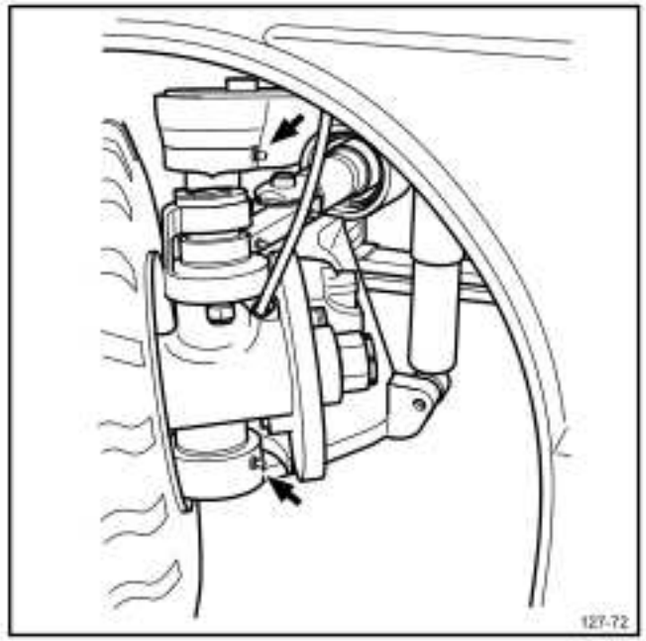
Using a grease gun, lubricate the top and bottom steering swivel bearings, until fresh grease emerges from the bearings.

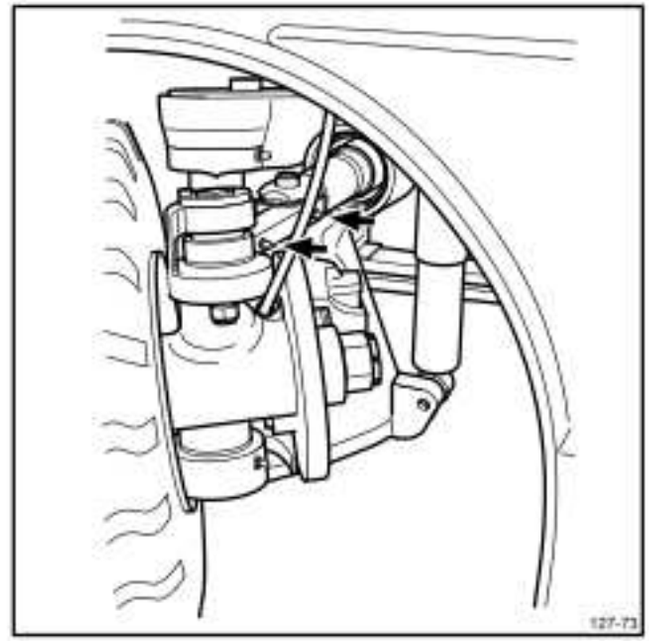
Lubricate the steering linkage bearings

Using a grease gun, lubricate the steering linkage bearings, until fresh grease emerges from the bearings.

* Option







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