ECE 220

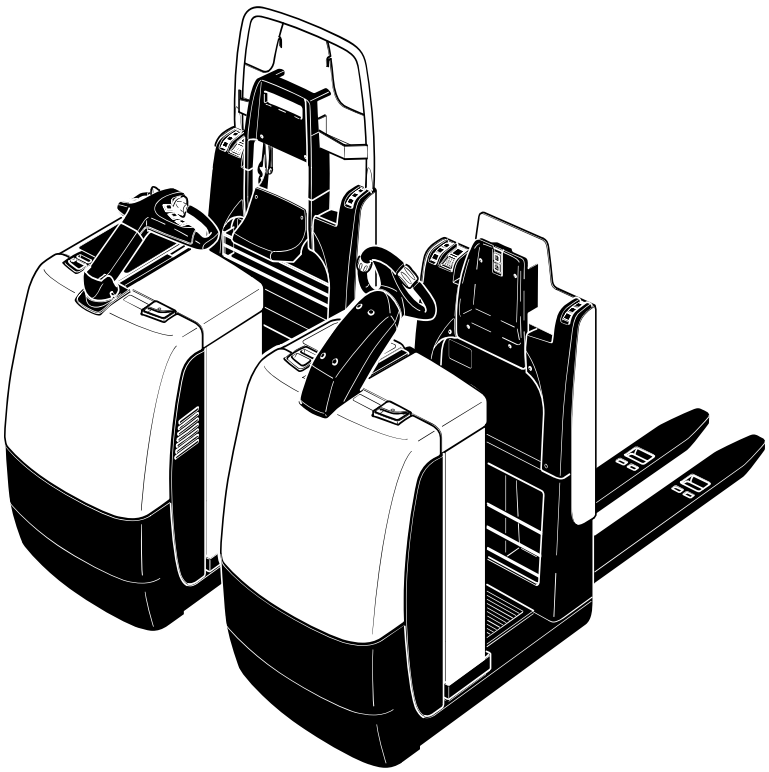
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GB

Operating instructions

50435801

03.07



JUNGHEINRICH

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3.3 EN standards

Continuous sound level: 69 dB(A)

according to EN 12053 as stipulated in ISO 4871

➔ The continuous sound level is a value averaged according to standard regulations, taking the sound pressure level into account when driving, lifting and idling. The sound pressure level is measured at the ear.

Vibration: 0.75 m/s^2

according to EN 13059

➔ The swinging acceleration acting on the body in its operating position is, according to standard regulations, the linear integrated, weighted acceleration in the vertical plane. It is determined by driving over bumps with a constant speed.

Electromagnetic compatibility (EMC)

The manufacturer confirms compliance with the limit values for electromagnetic emission and interference immunity as well as testing of static electricity discharge according to EN 12895 and the references to other standards contained therein.

➔ Electrical or electronic components and their arrangement may only be modified after written approval by the manufacturer has been obtained.

3.4 Conditions for application

Ambient temperature:

- during operation: -10 °C to 40 °C

➔ Special equipment and a special approval are required if fork-lifttrucks are operated under continued extreme temperature or humidity fluctuations.

2 Description of the operating controls and indicators

Item	Operating control or indicator		Function
1	Master switch (emergency stop)	●	The circuit is interrupted, all electrical functions are switched off and the truck is automatically braked.
2	Operating key “Horn”	●	Gives an audible warning signal.
3	Operating key “Lowering”	●	Lowers the lifting device.
4	Operating key “Lifting”	●	Lifts the lifting device.
5	Brake key	●	The truck is braked at the maximum possible deceleration rate until it stands still.
6	Controller	●	Controls the direction of travel as well as the travelling speed.
7	Control shaft	●	Is used to steer the truck.
8	Jet Pilot	○	Is used to steer the truck.
9	Key “Pedestrian operation forward”	○	Travel is started in pedestrian-controlled operation in forward direction (V) (slow travel).
10	Stop button	○	The electrical functions are switched off and the truck is automatically decelerated.
11	Key “Pedestrian operation backward” (not for “inching function in drive direction only” option)	○	Travel is started in pedestrian-controlled operation in reverse direction (R) (slow travel).

● = Standard equipment	○ = Optional equipment

4.3 Pedestrian-controlled operation (○)

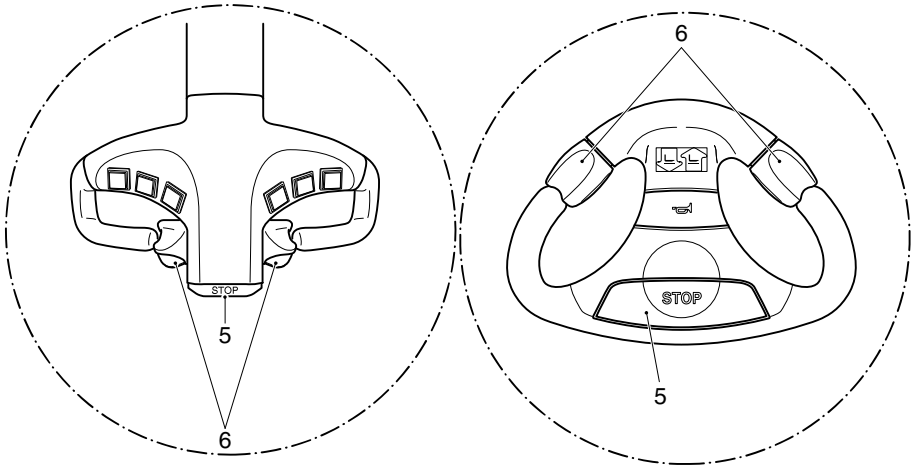
When travelling in pedestrian-controlled mode you must make sure – while walking alongside – that the steering is set to straight travel and the operator cannot be trapped between the truck and an obstacle.

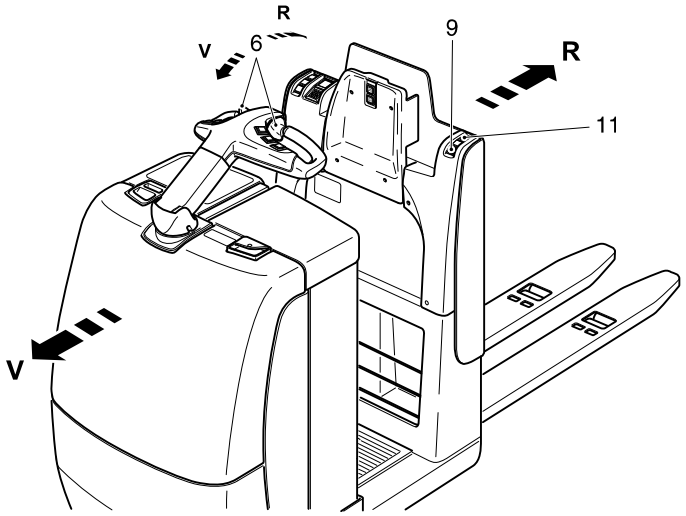
In pedestrian-controlled mode the truck can be operated by the operator from all sides while he walking alongside. In this case, the truck travels at a highly reduced max. speed.

There are two variants of key-operated control:

– by using the controller (6),
– via "Pedestrian" button (9, 11) in the backrest

For the "inching function in drive direction only" option the pedestrian-controlled mode is possible via pushbutton (9) in forward travelling direction only.





Controller-operated travel

– Turn the controller (6) in the desired travelling direction: forward (V) or reverse (R).

The truck moves at reduced speed (can be set up to a maximum of 4 km/h).

Key-operated travel using the "Pedestrian" key

– Press the "Pedestrian" key (9, 11).

The truck travels at a fixed speed of approximately 2 km/h (slow travel).

No.	Function	Range Setting value	Default Setting value	Comments Work flow
Code lock				
020	Start-up drive programme	0-3	3	0 - There is no start-up programme 1 - Drive programme 1 = start-up drive programme 2 - Drive programme 2 = start-up drive programme 3 - Drive programme 3 = start-up drive programme
021	Travel programme 1*) Enable	0 or 1	1	0 = Travel programme not enabled 1 = Travel programme enabled
022	Travel programme 2*) Enable	0 or 1	1	0 = Travel programme not enabled 1 = Travel programme enabled
023	Travel programme 3*) Enable	0 or 1	1	0 = Travel programme not enabled 1 = Travel programme enabled
030	Memory allocation*) display			The CANDIS display indicates the number of user codes in use when the parameter is typed.

*) only in conjunction with indicator instrument (CANDIS (○))

Keyboard error messages

The following errors are indicated by a red flashing LED (21):

– New master code is already operator code.
– New operator code is already master code.
– Operator code to be changed does not exist.
– Tried to change the operator code to an existing code.
– Operator code to be deleted does not exist.
– Code memory full.

Work on the electric system: Work on the electric system of the truck must only be performed by personnel specially trained for such operations. Before commencing any work on the electric system, all measures required to prevent electric shocks have to be taken. For battery-operated fork lift trucks, the truck must also be depowered by removing the battery plug.

Welding operations: To prevent any damage to electric or electronic components, these have to be removed from the fork lift truck before any welding operations are undertaken.

Settings: When repairing or replacing hydraulic, electric or electronic components or assemblies, all truck-specific settings have to be retained.

Tyres: The quality of the tyres greatly affects the stability and the driving behaviour of the fork-lift truck. The factory-mounted tyres must only be replaced by original spare parts of the manufacturer, since otherwise the specification of the data sheet cannot be met. When replacing wheels or tyres, it must be ensured that the fork-lift truck remains level (tyres and wheels must always be replaced in pairs, i.e. left and right together).

Lift chains: The lift chains wear rapidly if not lubricated. The intervals in the service checklist apply to normal duty. If requirements are higher (dust, temperature), lubrication is required more often. The specified chain spray must be used as specified. The external application of grease does not provide sufficient lubrication.

Hydraulic hoses: The hoses must be renewed every six years. When replacing hydraulic components, also renew the hoses in this hydraulic system.

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