



## Workshop literature

**STILL**  
**ELECTRONIC**  
**DOCUMENTATION**  
**SYSTEM**

## Double stacker

EXD-20



0283 0284

50238070901 EN - 05.2013

first in intralogistics



- 03.2010: First edition
- 05/2013: Second edition (added the version Slimforks - Luzzara Manufacturing)
- 09/2013: Third edition (Updated Slimforks speeds)



## 00 Product information

<b>Description</b> .....	00-1
Introduction .....	00-1
Technical description .....	00-2
Overview .....	00-4
Definition of directions (EXD) .....	00-5
Defining directions (EXD-SF) .....	00-5
Dimensions .....	00-6
Technical data (VDI) .....	00-8
Technical data for EXD-SF with Slimforks .....	00-11
Emissions .....	00-14
Composition of the truck serial number .....	00-16
Table of tightening torques in Nm .....	00-17
<b>Safety instructions</b> .....	00-22
Parking the truck. ....	00-22
Battery plug .....	00-22
Slinging and jacking the truck .....	00-24

## 02 Diagnostics

<b>General</b> .....	02-1
Diagnostic instructions .....	02-1
Accessing truck information .....	02-1
CAN-bus (Controller Area Network) .....	02-2
<b>Error codes</b> .....	02-3
Error codes .....	02-3

## 11 Motor

<b>Traction motor</b> .....	11-1
Technical data .....	11-1
Overview .....	11-1
Disassembly .....	11-2
<b>Speed sensor</b> .....	11-3
Speed sensor .....	11-3
<b>Temperature sensor</b> .....	11-6
Temperature sensor .....	11-6

## 22 Drive - Transmission

Transmission gear .....	22-1
Technical data .....	22-1
Disassembly .....	22-2

## 23 Drive unit

Drive unit .....	23-1
Description .....	23-1
Drive unit support .....	23-6
Proportional spring .....	23-9

## 30 Truck structure

Covers .....	30-1
Access to the technical compartment .....	30-1
Cylinder housing .....	30-7

## 34 Driver's compartment

Platform .....	34-1
Folding platform .....	34-1
Side protection .....	34-10
Side protection .....	34-10

## 42 Steering system

Tiller .....	42-1
General .....	42-1
"Cold store" resistors"" .....	42-2
Removing the tiller head .....	42-3
Removing the tiller .....	42-7
Electric steering .....	42-19
Steering controller .....	42-19
Steering motor .....	42-21
Recopy potentiometer .....	42-24
Potentiometer pinion bearing .....	42-26

## 46 Wheels

Wheels .....	46-1
Drive wheel .....	46-1
Stabiliser rollers .....	46-2

Load castors .....	46-3
<b>49 Brake system</b>	
Electromagnetic brake .....	49-1
Technical data .....	49-1
Servicing the brake .....	49-1
Disassembly .....	49-3
<b>56 Display</b>	
Display .....	56-1
Display .....	56-1
Disassembly .....	56-3
Electronic key .....	56-5
Digicode option (LFM Go) .....	56-5
Disassembly .....	56-6
<b>60 Electrical equipment</b>	
General .....	60-1
Electric Circuit Diagram .....	60-1
Overview .....	60-2
Connectors .....	60-3
Electrical equipment .....	60-4
Description of the electrical panel .....	60-4
Disassembly .....	60-5
Emergency stop .....	60-10
Fuses .....	60-12
Key switch .....	60-13
Diagnostic connector .....	60-14
Signalling equipment .....	60-15
Horn .....	60-15
Battery and accessories .....	60-16
Battery PzS (open-lead) .....	60-16
Replacing the battery .....	60-17
Battery connector .....	60-20
<b>64 Electronic controls</b>	
Traction controller .....	64-1
Technical data .....	64-1

Traction controller wiring .....	64-2
Disassembly .....	64-2
<b>70 Hydraulics</b>	
General hydraulics .....	70-1
General .....	70-1
Hydraulic hoses .....	70-6
<b>71 Working hydraulics</b>	
Pump unit .....	71-1
Technical data .....	71-1
Pump unit .....	71-2
Hydraulic oil reservoir .....	71-5
Suction filter .....	71-6
Motor and driving plate pin .....	71-7
Brushes .....	71-8
Roller bearings .....	71-9
Hydraulic pump .....	71-9
<b>76 Valves</b>	
Distributor and solenoid valves .....	76-1
Pump unit .....	76-1
Cylinder distributor block .....	76-2
<b>81 Lifting system</b>	
General .....	81-1
Technical data .....	81-1
Base lifting device .....	81-2
Lift cylinder .....	81-2
<b>810 Lift mast</b>	
Telescopic mast without initial lifting .....	810-1
General .....	810-1
Mast and fork carriage .....	810-2
Lift cylinder .....	810-5
Main lift cylinder .....	810-5
Cylinder components .....	810-12
Hose safety valve (slow lowering valve) .....	810-14



Rollers .....	810-15
Mast rollers and chain rollers .....	810-15
Chains .....	810-17
<b>84 Load holder</b>	
Fork carrier .....	84-1
Adjusting the fork rods for the SLIMFORKS version .....	84-1
Tie rods .....	84-2
Separating the chassis/motor .....	84-4
Lateral lifting guides .....	84-4
Fork carriage .....	84-5
<b>Annex</b>	
<b>100 Diagrams</b>	
Hydraulic diagram .....	100-1
Hydraulic circuit diagram .....	100-1

**Thanks for your reading.**

**Please click here to download complete manual instantly.**

**And can also choose other manuals.**

**Feel free --->write to me with any questions.**

**Our service email:**

**manuals007@hotmail.com**