



**BP 249
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YOUR DEALER

REF : 547905 EN (12 / 09 / 2006)

MC 30 Série 3-E2

**M26-2 Série 3-E2 M26-4 Série 3-E2
M30-2 Série 3-E2 M30-4 Série 3-E2
 M40-4 Série 3-E2
 M50-4 Série 3-E2**

**MC 40 POWERSHIFT Série 3-E2
MC 50 POWERSHIFT Série 3-E2
MC 60 POWERSHIFT Série 3-E2
MC 70 POWERSHIFT Série 3-E2**

REPAIR MANUAL

1st DATE OF ISSUE

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GROUP 0

GENERAL POINTS

LIFT TRUCK CHARACTERISTICS

0-1-M112 EN

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CHARACTERISTICS

I.C. ENGINE

- Type	PERKINS 1104C-44 RE38096
- Number of cylinders	4 in line
- Number of strokes	4
- Suction	Natural
- Injection system	Direct
- Ignition sequence	1.3.4.2.
- Clearance of rocker valve (cold)	
. Inlet	0,20 mm
. Exhaust	0,45 mm
- Capacity	4400 cm ³
- Bore	105 mm
- Stroke	127 mm
- Compression ratio	19,3/1
- Nominal rating loaded	2200 rpm
- Rating slow unladen	850 ± 10 rpm
- Max. rating unladen	2400 rpm
- Power ISO/TR 14396	84 cv/61,5 kw
- Maximum torque ISO/TR 14396	302 Nm at 1400 rpm
- Air cleaner	Dry 3 µm

COOLING CIRCUIT

- Type	By water
- Fan	Blowing
. Number of blades	7
. Diameter	508 mm
- Thermostat	
. Start opening	79 °C/84 °C
. Full opening	93 °C

TRANSMISSION

MC 30 Série 3-E2
M26-2 Série 3-E2
M30-2 Série 3-E2
M26-4 Série 3-E2
M30-4 Série 3-E2
M40-4 Série 3-E2
M50-4 Série 3-E2

- Type	TURNER POWERTRAIN SYSTEMS
- Torque converter	SACHS
- Gear box	
. Number of forward speeds	4
. Number of reverse speeds	4
- Gear reverser	Electro-hydraulic

TRANSMISSION

MC 40 POWERSHIFT Série 3-E2
MC 50 POWERSHIFT Série 3-E2
MC 60 POWERSHIFT Série 3-E2
MC 70 POWERSHIFT Série 3-E2

- Type	CLARK-HURTH
- Torque converter	CLARK-HURTH
- Gear box	
. Gear shifting	Electro-hydraulic
. Number of forward speeds	4
. Number of reverse speeds	3
- Gear reverser	Electro-hydraulic

FRONT AXLE

MC 30 Série 3-E2
M26-2 Série 3-E2
M30-2 Série 3-E2
MC 40 POWERSHIFT Série 3-E2
MC 50 POWERSHIFT Série 3-E2
MC 60 POWERSHIFT Série 3-E2
MC 70 POWERSHIFT Série 3-E2

- | | |
|---------------------|-------------------------------|
| - Type | DANA |
| - Hub reducers | Epicyclic |
| - Differential lock | Foot button. Electrohydraulic |

FRONT AXLE

M26-4 Série 3-E2
M30-4 Série 3-E2
M40-4 Série 3-E2
M50-4 Série 3-E2

- | | |
|----------------|-------------|
| - Type | DANA |
| - Hub reducers | Epicyclic |

REAR AXLE

M26-4 Série 3-E2
M30-4 Série 3-E2
M40-4 Série 3-E2
M50-4 Série 3-E2

- | | |
|----------------|-------------|
| - Type | DANA |
| - Hub reducers | Epicyclic |

BRAKE

- | | |
|-----------------|---|
| - Service brake | Foot pedal. Hydraulic brake, applied on the front wheels. |
| . Type | Multidisc brake immersed in oil. |
| - Parking brake | Mechanical hand lever applied on the front wheels. |
| . Type | Multidisc brake immersed in oil. |

ELECTRIC CIRCUIT

- | | |
|---------------------|----------------------------------|
| - Earth | Negative |
| - Battery | 12 V - 110 Ah - 750 A EN |
| - Alternator | 12 V - 75 A |
| . Type | Denso A115i |
| . Tension regulator | Incorporated into the alternator |
| - Starter | 12 V - 3,0 kW |
| . Type | Denso E95RL |

CHARACTERISTICS**MC 30 Série 3-E2****FRONT TYRES (MAST WITH ROLLERS)**

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
14,5R20 MPT80 18PR 143G/J TUBELESS CONTINENTAL	3,5 BAR	FRONT UNLADEN	1100 KG	1,77 KG/CM2	KG/CM2	620 CM2	CM2
		FRONT LADEN	3500 KG	3,37 KG/CM2	KG/CM2	1040 CM2	CM2
375/75R20 XM27 155A2/143B TUBELESS MICHELIN	3,7 BAR	FRONT UNLADEN	1100 KG	2,62 KG/CM2	KG/CM2	420 CM2	CM2
		FRONT LADEN	3500 KG	3,33 KG/CM2	KG/CM2	1050 CM2	CM2

FRONT TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
14,5R20 MPT80 18PR 143G/J TUBELESS CONTINENTAL	3,5 BAR	FRONT UNLADEN	1200 KG	1,89 KG/CM2	KG/CM2	635 CM2	CM2
		FRONT LADEN	3600 KG	3,40 KG/CM2	KG/CM2	1060 CM2	CM2
375/75R20 XM27 155A2/143B TUBELESS MICHELIN	3,7 BAR	FRONT UNLADEN	1200 KG	KG/CM2	KG/CM2	CM2	CM2
		FRONT LADEN	3600 KG	KG/CM2	KG/CM2	CM2	CM2

REAR TYRES (MAST WITH ROLLERS)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
10R17,5 LSR 134/132L TUBELESS CONTINENTAL	4,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	500 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 LDR 134/132L TUBELESS CONTINENTAL	4 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	500 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 134M G291 TUBELESS GOODYEAR	5,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	500 KG	KG/CM2	KG/CM2	CM2	CM2

REAR TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
10R17,5 LSR 134/132L TUBELESS CONTINENTAL	4,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	500 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 LDR 134/132L TUBELESS CONTINENTAL	4 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	500 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 134M G291 TUBELESS GOODYEAR	5,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	500 KG	KG/CM2	KG/CM2	CM2	CM2

HYDRAULIC CIRCUIT

- Type of pump	Gear pump with flow divider	
. Capacity	37 cm ³	
. Flow rate at full speed	89 L/mn	
. Flow rate at 2300 rpm	85 L/mn	
. Flow rate at 1600 rpm	59 L/mn	
- Pressure		
. Lifting, tilting, attachment circuit	MAST WITH ROLLERS	MAST WITH SLIDES
Double mast	185 Bar	190 Bar
Triple mast	260 Bar	230 Bar
Double mast with free-acting lift	185 Bar	
Triple mast with free-acting lift	185 Bar	190 Bar
. Steering circuit	125 Bar	
- Filtration		
. Return	10 µm	
. Suction	100 µm	
- Hydraulic shock absorber		
. Capacities	0,7 L	
. Pressure	100 Bar	

SPECIFICATIONS

- Level of sound pressure in the driver's cab LpA (according to standard prEN 12053: 1995)		
. Overhead guard	82 dB	
. Cab	79 dB	
- Level of sound power in the LwA environment (according to directive 2000/14/EC modified by directive 2005/88/EC)	105 dB	
- Average weighted acceleration on driver's body (according to standard NF EN 13059)	0,89 m/s ²	
- Speed of movement of lift truck in standard configuration on horizontal ground (except particular conditions)		
. Forward unladen	24 km/h	
. Reverse unladen	24 km/h	
- Standard lift height	MAST WITH ROLLERS 3700 mm	MAST WITH SLIDES 3600 mm
- Rated capacity with standard mast	3000 kg	3000 kg
- Load center	500 mm	500 mm
- Weight of forks (each)	73 kg	79 kg
- Lifting motions with standard mast		
. Unladen lifting	0,57 m/s	0,49 m/s
. Rated load lifting	0,54 m/s	0,46 m/s
. Unladen lowering	0,48 m/s	0,31 m/s
. Rated load lowering	0,50 m/s	0,35 m/s
- Lift truck weight with standard mast		
. Unladen	5090 kg	5210 kg
. Rated load	8090 kg	8210 kg
- Axle weight with standard mast (transport position)		
. Front unladen	2250 kg	2380 kg
rated load	7050 kg	7210 kg
. Rear unladen	2840 kg	2830 kg
rated load	1040 kg	1000 kg
- Tensile strain at coupling hook		
. Unladen	1520 daN	1520 daN
. Rated load	4900 daN	4900 daN
- Break out force with bucket (according to standard ISO 8313)	daN	daN

FRONT TYRES (MAST WITH ROLLERS)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
16,5/85-24 SGI 8PR TUBELESS GOODYEAR	2,5 BAR	FRONT UNLADEN	1450 KG	5,44 KG/CM2	1,27 KG/CM2	261 CM2	1116 CM2
		FRONT LADEN	3650 KG	8,67 KG/CM2	2,03 KG/CM2	421 CM2	1802 CM2
13,00R24 XGLA2 *TG TUBELESS MICHELIN	3,5 BAR	FRONT UNLADEN	1450 KG	2,74 KG/CM2	1,27 KG/CM2	524 CM2	1130 CM2
		FRONT LADEN	3650 KG	3,15 KG/CM2	1,46 KG/CM2	1160 CM2	2502 CM2

FRONT TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
16,5/85-24 SGI 8PR TUBELESS GOODYEAR	2,5 BAR	FRONT UNLADEN	1550 KG	5,59 KG/CM2	1,31 KG/CM2	268 CM2	1147 CM2
		FRONT LADEN	3750 KG	8,76 KG/CM2	2,05 KG/CM2	428 CM2	1833 CM2
13,00R24 XGLA2 *TG TUBELESS MICHELIN	3,5 BAR	FRONT UNLADEN	1550 KG	2,76 KG/CM2	1,28 KG/CM2	553 CM2	1193 CM2
		FRONT LADEN	3750 KG	3,16 KG/CM2	1,47 KG/CM2	1187 CM2	2559 CM2

REAR TYRES (MAST WITH ROLLERS)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
9,00-16 EM5 10PR DUNLOP	3 BAR	REAR UNLADEN	1400 KG	6,51 KG/CM2	3,04 KG/CM2	215 CM2	460 CM2
		REAR LADEN	550 KG	4,98 KG/CM2	2,74 KG/CM2	110 CM2	203 CM2
10,5/80-18 TG42 10PR TUBELESS DUNLOP	3,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	550 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 XZT 134/132L TUBELESS MICHELIN	4,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	550 KG	KG/CM2	KG/CM2	CM2	CM2

REAR TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
9,00-16 EM5 10PR DUNLOP	3 BAR	REAR UNLADEN	1400 KG	6,51 KG/CM2	3,04 KG/CM2	215 CM2	460 CM2
		REAR LADEN	550 KG	4,98 KG/CM2	2,74 KG/CM2	110 CM2	203 CM2
10,5/80-18 TG42 10PR TUBELESS DUNLOP	3,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	550 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 XZT 134/132L TUBELESS MICHELIN	4,5 BAR	REAR UNLADEN	1400 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	550 KG	KG/CM2	KG/CM2	CM2	CM2

HYDRAULIC CIRCUIT

- Type of pump	Gear pump with flow divider	
. Capacity	37 cm ³	
. Flow rate at full speed	89 L/mn	
. Flow rate at 2300 rpm	85 L/mn	
. Flow rate at 1600 rpm	59 L/mn	
- Pressure		
. Lifting, tilting, attachment circuit	MAST WITH ROLLERS	MAST WITH SLIDES
Double mast	185 Bar	190 Bar
Triple mast	220 Bar	230 Bar
Double mast with free-acting lift	185 Bar	
Triple mast with free-acting lift	185 Bar	190 Bar
. Steering circuit	145 Bar	
- Filtration		
. Return	10 µm	
. Suction	100 µm	
- Hydraulic shock absorber		
. Capacities	0,7 L	
. Pressure	100 Bar	

SPECIFICATIONS

- Level of sound pressure in the driver's cab LpA (according to standard prEN 12053: 1995)		
. Overhead guard	82 dB	
. Cab	79 dB	
- Level of sound power in the LwA environment (according to directive 2000/14/EC modified by directive 2005/88/EC)	105 dB	
- Average weighted acceleration on driver's body (according to standard NF EN 13059)	1,56 m/s ²	
- Speed of movement of lift truck in standard configuration on horizontal ground (except particular conditions)		
. Forward unladen	24 km/h	
. Reverse unladen	24 km/h	
- Standard lift height	MAST WITH ROLLERS 3700 mm	MAST WITH SLIDES 3600 mm
- Rated capacity with standard mast	2600 kg	2600 kg
- Load center	500 mm	500 mm
- Weight of forks (each)	76 kg	77 kg
- Lifting motions with standard mast		
. Unladen lifting	0,57 m/s	0,49 m/s
. Rated load lifting	0,54 m/s	0,47 m/s
. Unladen lowering	0,48 m/s	0,31 m/s
. Rated load lowering	0,50 m/s	0,35 m/s
- Lift truck weight with standard mast		
. Unladen	5800 kg	5910 kg
. Rated load	8400 kg	8510 kg
- Axle weight with standard mast (transport position)		
. Front unladen	2950 kg	3070 kg
rated load	7320 kg	7460 kg
. Rear unladen	2850 kg	2840 kg
rated load	1080 kg	1050 kg
- Tensile strain at coupling hook		
. Unladen	1840 daN	1840 daN
. Rated load	4400 daN	4400 daN
- Break out force with bucket (according to standard ISO 8313)	daN	daN

FRONT TYRES (MAST WITH ROLLERS)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
16,5/85-24 SGI 8PR TUBELESS GOODYEAR	2,5 BAR	FRONT UNLADEN	1450 KG	5,44 KG/CM2	1,27 KG/CM2	261 CM2	1116 CM2
		FRONT LADEN	3950 KG	8,93 KG/CM2	2,08 KG/CM2	443 CM2	1895 CM2
13,00R24 XGLA2 *TG TUBELESS MICHELIN	4 BAR	FRONT UNLADEN	1450 KG	2,98 KG/CM2	1,38 KG/CM2	479 CM2	1033 CM2
		FRONT LADEN	3950 KG	3,37 KG/CM2	1,56 KG/CM2	1170 CM2	2524 CM2

FRONT TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
16,5/85-24 SGI 8PR TUBELESS GOODYEAR	2,5 BAR	FRONT UNLADEN	1500 KG	5,52 KG/CM2	1,29 KG/CM2	265 CM2	1131 CM2
		FRONT LADEN	4050 KG	9,01 KG/CM2	2,10 KG/CM2	450 CM2	1927 CM2
13,00R24 XGLA2 *TG TUBELESS MICHELIN	4 BAR	FRONT UNLADEN	1500 KG	2,99 KG/CM2	1,39 KG/CM2	492 CM2	1062 CM2
		FRONT LADEN	4050 KG	3,36 KG/CM2	1,56 KG/CM2	1203 CM2	2596 CM2

REAR TYRES (MAST WITH ROLLERS)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
10,5/80-18 TG42 10PR TUBELESS DUNLOP	3,5 BAR	REAR UNLADEN	1600 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	600 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 XZT 134/132L TUBELESS MICHELIN	4,5 BAR	REAR UNLADEN	1600 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	600 KG	KG/CM2	KG/CM2	CM2	CM2

REAR TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
10,5/80-18 TG42 10PR TUBELESS DUNLOP	3,5 BAR	REAR UNLADEN	1600 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	600 KG	KG/CM2	KG/CM2	CM2	CM2
10R17,5 XZT 134/132L TUBELESS MICHELIN	4,5 BAR	REAR UNLADEN	1600 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	600 KG	KG/CM2	KG/CM2	CM2	CM2

HYDRAULIC CIRCUIT

- Type of pump	Gear pump with flow divider	
. Capacity	37 cm ³	
. Flow rate at full speed	89 L/mn	
. Flow rate at 2300 rpm	85 L/mn	
. Flow rate at 1600 rpm	59 L/mn	
- Pressure		
. Lifting, tilting, attachment circuit	MAST WITH ROLLERS	MAST WITH SLIDES
Double mast	185 Bar	190 Bar
Triple mast	260 Bar	230 Bar
Double mast with free-acting lift	185 Bar	
Triple mast with free-acting lift	185 Bar	190 Bar
. Steering circuit	145 Bar	
- Filtration		
. Return	10 µm	
. Suction	100 µm	
- Hydraulic shock absorber		
. Capacities	0,7 L	
. Pressure	100 Bar	

SPECIFICATIONS

- Level of sound pressure in the driver's cab LpA (according to standard prEN 12053: 1995)		
. Overhead guard	82 dB	
. Cab	79 dB	
- Level of sound power in the LwA environment (according to directive 2000/14/EC modified by directive 2005/88/EC)	105 dB	
- Average weighted acceleration on driver's body (according to standard NF EN 13059)	m/s ²	
- Speed of movement of lift truck in standard configuration on horizontal ground (except particular conditions)		
. Forward unladen	24 km/h	
. Reverse unladen	24 km/h	
- Standard lift height	MAST WITH ROLLERS 3700 mm	MAST WITH SLIDES 3600 mm
- Rated capacity with standard mast	3000 kg	3000 kg
- Load center	500 mm	500 mm
- Weight of forks (each)	76 kg	84 kg
- Lifting motions with standard mast		
. Unladen lifting	0,57 m/s	0,49 m/s
. Rated load lifting	0,54 m/s	0,47 m/s
. Unladen lowering	0,48 m/s	0,31 m/s
. Rated load lowering	0,50 m/s	0,35 m/s
- Lift truck weight with standard mast		
. Unladen	6100 kg	6260 kg
. Rated load	9100 kg	9260 kg
- Axle weight with standard mast (transport position)		
. Front unladen	2860 kg	3045 kg
rated load	7910 kg	8110 kg
. Rear unladen	3240 kg	3215 kg
rated load	1190 kg	1150 kg
- Tensile strain at coupling hook		
. Unladen	1940 daN	1940 daN
. Rated load	4470 daN	4470 daN
- Break out force with bucket (according to standard ISO 8313)	daN	daN

CHARACTERISTICS

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FRONT TYRES (MAST WITH ROLLERS)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
16,5/85-24 SGI 8PR TUBELESS GOODYEAR	2,5 BAR	FRONT UNLADEN	1500 KG	5,52 KG/CM2	1,29 KG/CM2	265 CM2	1131 CM2
		FRONT LADEN	3600 KG	8,63 KG/CM2	2,02 KG/CM2	417 CM2	1786 CM2

FRONT TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
16,5/85-24 SGI 8PR TUBELESS GOODYEAR	2,5 BAR	FRONT UNLADEN	1550 KG	5,59 KG/CM2	1,31 KG/CM2	268 CM2	1147 CM2
		FRONT LADEN	3650 KG	8,67 KG/CM2	2,03 KG/CM2	421 CM2	1802 CM2

REAR TYRES (MAST WITH ROLLERS)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
10,5/80-18 TG42 10PR TUBELESS DUNLOP	3,5 BAR	REAR UNLADEN	1450 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	650 KG	KG/CM2	KG/CM2	CM2	CM2
12.0-18 T86 TUBE TYPE 12PR DUNLOP	2,2 BAR	REAR UNLADEN	1450 KG	6,37 KG/CM2	2,11 KG/CM2	226 CM2	682 CM2
		REAR LADEN	650 KG	5,23 KG/CM2	1,73 KG/CM2	125 CM2	377 CM2

REAR TYRES (MAST WITH SLIDES)

DIMENSIONS	PRESSURE	TYRE LOAD		PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				HARD GROUND	LIGHT GROUND	HARD GROUND	LIGHT GROUND
10,5/80-18 TG42 10PR TUBELESS DUNLOP	3,5 BAR	REAR UNLADEN	1450 KG	KG/CM2	KG/CM2	CM2	CM2
		REAR LADEN	600 KG	KG/CM2	KG/CM2	CM2	CM2
12.0-18 T86 TUBE TYPE 12PR DUNLOP	2,2 BAR	REAR UNLADEN	1450 KG	6,37 KG/CM2	2,11 KG/CM2	226 CM2	682 CM2
		REAR LADEN	600 KG	5,11 KG/CM2	1,70 KG/CM2	119 CM2	357 CM2