DURABLE, CONSISTENT, RUGGED

SPECIFICATIONS
ENGINE POWERED LIFT TRUCKS 1.5 - 3.5 TONNES
Three frame types, five mast capacity designs and five engine sizes create a range of different configurations to choose from, so you can be sure that you will find the ideal combination to suit your needs.

Ideal for industrial applications, the trucks achieve outstanding traction on sloping or slippery surfaces, with pneumatic tyres providing excellent operator comfort.

A built-in warning system and easy maintenance procedures help to keep your truck in service and your costs to a minimum.

A wide range of features allows you to match the specification of your Cat® lift truck to your application. A double air filter, for example, is fitted to provide increased protection for the engine in dusty applications such as in mills and brick yards, or the optional lifting eyes can be attached to enable the truck to be hoisted on to a ship or lorry for port-based or mobile use.

DURABLE, CONSISTENT, RUGGED...

OUR SMALLER RANGE OF ENGINE POWERED TRUCKS OFFER AN EXCELLENT BLEND OF POWER AND PERFORMANCE WITH THE ADVANTAGE OF LOW FUEL CONSUMPTION, MAKING THEM EASY AND ECONOMICAL TO USE.
LOWER COST OF OWNERSHIP

- Modern design techniques in combination with long life of components result in a long service interval reducing the total cost of ownership.
- Vehicle Control Module manages various truck and operator functions allowing easy trouble shooting and pin pointing of problems.
- LCD display provides extensive information on truck operation and maintenance state. It also indicates service requirements to prevent unexpected down time and cost due to unscheduled maintenance and service.
- LED lights on the front work lights and front/rear combination lights reduce energy consumption and maintenance costs.
- Robust and durable chassis with full belly guard construction that protects the engine compartment from dust, water and dirt.

UNMATCHED PRODUCTIVITY

- State-of-the-art LPG engine with electronic engine management system with 3-way catalytic converter for great performance, low noise and emission levels. This powerful proven industrial engine also brings efficient fuel usage.
- Fully floating powertrain layout to lower the centre of gravity, increases truck stability and residual lifting capacities.
- Reliable, high performance diesel engine, with low emission levels and low fuel consumption.
- Its compact design makes this range suitable also in aisles with reduced dimensions.
- The mast carriage features six bearings, increasing durability and lifting speed while the powerful hydraulic system offers high residual capacities for easy handling of heavier loads.
- Our optional factory-fitted panel cabin keeps the elements out, without compromising visibility. Our cab combines form and function and is designed to keep the truck performing in the most extreme of temperatures and in wet environments.

SAFETY AND ERGONOMICS

- Presence Detection System (PDS) prevents truck operation when operator is not seated.
- Low noise levels keep the operator concentrated while reducing fatigue in long shifts.
- Fingertip hydraulic controls mounted on a fully adjustable armrest for optimum load handling and easy maneuverability.
- Operator Pin Code to prevent unauthorized usage of the truck.
- Automotive style pedal layout for easy and comfortable operation.
- Adjustable steering column with memory position that adjusts to operator’s preference for comfortable operation.
- Low step in chassis for easy on and off access.
- Good all-round visibility and ergonomic layout of all controls improves comfort minimizing fatigue of the operator.
- Hand grip mounted at the rear of the overhead guard with a horn button increases safety and reduces back strain and fatigue in applications with repetitive reversing.
<table>
<thead>
<tr>
<th><strong>STANDARD EQUIPMENT AND OPTIONS</strong></th>
<th><strong>DIESEL</strong></th>
<th><strong>LP GAS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GENERAL</strong></td>
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<tr>
<td>Dust proof kit</td>
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<td>Line filter for torque converter</td>
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<tr>
<td>Universal joint cover powertrain</td>
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<td>LPG bracket removed</td>
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<td>LPG Swing down bracket, no tank</td>
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<td>Lifting eyes mounted on counter weight</td>
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<td>Belly plate (under cover)</td>
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<td>4-way control valve MC</td>
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<tr>
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<tr>
<td><strong>MAST, FORKS AND CARRIAGE</strong></td>
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<tr>
<td>Loose mast</td>
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<tr>
<td>Lifting eye for mast</td>
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<tr>
<td>Heavy Load side roller (*Cannot be combined with an integral sideshifter)</td>
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<tr>
<td>Side shifter 920 mm</td>
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<td>Side shifter 1000 mm</td>
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<td>Integral side shifter 920 mm</td>
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<td>Integral side shifter 1000 mm</td>
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<tr>
<td>Fork deletion</td>
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<td><strong>ELECTRIC</strong></td>
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<td>Backup handle with horn button</td>
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<td>Electric diesel control (Diesel)</td>
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<td>Speed control system (LPG)</td>
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<td>LED light set</td>
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<tr>
<td>LED rear work light</td>
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<tr>
<td>Load weight indicator (for simplex &amp; triplex masts)</td>
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<tr>
<td>Rotating beacon (orange)</td>
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<tr>
<td>Strobe light (orange)</td>
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<tr>
<td>FNR switch on adjustable armrest</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

Contact your dealer for additional standard and optional equipment.
## STANDARD EQUIPMENT AND OPTIONS (CONTINUED)

### OHG AND CABIN
- Grammer MSG 65 Vinyl seat
- Grammer MSG 65 Cloth seat
- Armrest LH side (for FC models)
- Armrest LH side (for MC models)
- Armrest RH side (for FC models)
- Armrest RH side (for MC models)
- Rear view mirrors
- Convenience tray
- Panel cabin with an integrated heating system and audio preparation (antenna and wiring)

### TYRES
- Solid pneumatic tyres
- Pneumatic tyres
- Solid pneumatic dual drive tyres
- Pneumatic dual drive tyres

### ENVIRONMENT
- Single element air cleaner
- Double element air cleaner
- Elevated exhaust
- Catalytic exhaust muffler

### SPECIFICATIONS ENGINE POWERED LIFT TRUCKS 1.5 - 3.5 TONNES

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<thead>
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<td>Armrest RH side</td>
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<td>Rear view mirrors</td>
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<td>Convenience tray</td>
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<td>Armrest RH side</td>
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<td>Rear view mirrors</td>
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- ○ Standard
- ● Option

Contact your dealer for additional standard and optional equipment.
Car Lift Trucks

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**Dimensions**

- **Max lift, forwards / backwards**: 1000
- **Height with mast lowered**: 990
- **Track width (front) / rear**: 990 / 990
- **Track width (front) / rear (4 x wheels)**: 990 / 990
- **Track width (front) / rear (4 x wheels)**: 990 / 990
- **Track width (front) / rear (4 x wheels)**: 990 / 990

**Performance**

- **Travel speed, with / without load**: 18.4 / 18.5
- **Lifting speed, with / without load**: 18.4 / 18.5
- **Lifting speed, with / without load**: 18.4 / 18.5
- **Grinding speed, with / without load**: 18.4 / 18.5
- **Grind speed, with / without load**: 18.4 / 18.5
- **Grind speed, with / without load**: 18.4 / 18.5
- **Grind speed, with / without load**: 18.4 / 18.5
- **Grind speed, with / without load**: 18.4 / 18.5

**EC Engine**

- **Max output**: 95 HP
- **Max output**: 95 HP
- **Max output**: 95 HP
- **Max output**: 95 HP
- **Max output**: 95 HP
- **Max output**: 95 HP
- **Max output**: 95 HP
- **Max output**: 95 HP
### SPECIFICATIONS ENGINE POWERED LIFT TRUCKS 1.5 - 3.5 TONNES

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<th>Cat Lift Trucks</th>
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<td>GP20C</td>
<td>GP20N</td>
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**Performance**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Travel speed, with / without load</td>
<td>km/h</td>
</tr>
<tr>
<td>Lifting speed, with / without load</td>
<td>m/s</td>
</tr>
<tr>
<td>Lowering speed, with / without load</td>
<td>m/s</td>
</tr>
<tr>
<td>Rated drawbar pull, with / without load</td>
<td>kN</td>
</tr>
<tr>
<td>Maximum drawbar pull, with / without load (5 min short duty)</td>
<td>kN</td>
</tr>
<tr>
<td>Gradability, with / without load</td>
<td>%</td>
</tr>
<tr>
<td>Max. immobility speed, with / without load</td>
<td>kN</td>
</tr>
<tr>
<td>Acceleration time (50 metres) with / without load</td>
<td>s</td>
</tr>
<tr>
<td>Service brakes (mechanical / hydraulic / electric / pneumatic)</td>
<td></td>
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</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top of overhead guard</td>
<td>mm</td>
</tr>
<tr>
<td>Overall length</td>
<td>mm</td>
</tr>
<tr>
<td>Tow coupling height</td>
<td>mm</td>
</tr>
<tr>
<td>Height to top of overhead guard</td>
<td>mm</td>
</tr>
<tr>
<td>Lowering speed, with / without load</td>
<td>m/s</td>
</tr>
<tr>
<td>Lifting speed, with / without load</td>
<td>m/s</td>
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**Characteristics**

<table>
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<tr>
<th>Parameter</th>
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<tbody>
<tr>
<td>Rated output to ISO 1585 (Gross output)</td>
<td>kW</td>
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<tr>
<td>Number of cylinders / cubic capacity</td>
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<tr>
<td>Fuel consumption according to VDI 601</td>
<td>l/h</td>
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<tr>
<td>Max. torque</td>
<td>kNm</td>
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<tr>
<td>Max. torque at engine speed</td>
<td>rpm</td>
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**Wheels, Drive Train**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Tyre dimensions, front</td>
<td>mm</td>
</tr>
<tr>
<td>Tyre dimensions, rear</td>
<td>mm</td>
</tr>
<tr>
<td>Number of wheels, front / rear (4 x 4 wheel drive)</td>
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</tr>
<tr>
<td>Track width (centre of tyres), front</td>
<td>mm</td>
</tr>
<tr>
<td>Track width (centre of tyres), rear</td>
<td>mm</td>
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**Engine**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Maximum operating pressure for attachments</td>
<td>bar</td>
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<tr>
<td>Oil flow for attachments</td>
<td>l/min</td>
</tr>
<tr>
<td>Noise level, value at operator’s ear (EN 12353)</td>
<td>dB (A)</td>
</tr>
<tr>
<td>Towing coupling, type DIN 15170</td>
<td></td>
</tr>
</tbody>
</table>

### Characteristics

1.1 Manufacturer (abbreviation)
1.2 Manufacturer’s model designation
1.3 Power source (battery, diesel, LPG, petrol)
1.4 Operator type, pedal/piston, (operator) - standing, - seated
1.5 Load capacity Q (kg)
1.6 Load centre distance c (mm)
1.8 Load range, axle to fork face y (mm)
2.2 Weight

### Performance

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Travelling speed with / without load</td>
<td>km/h</td>
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<tr>
<td>Lifting speed with / without load</td>
<td>m/s</td>
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### Dimensions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Max. lift, forwards / backwards</td>
<td>m/e</td>
</tr>
<tr>
<td>Height with max. lowering (see tables)</td>
<td>mm</td>
</tr>
<tr>
<td>Free lift (see tables)</td>
<td>mm</td>
</tr>
<tr>
<td>Lift height (see tables)</td>
<td>mm</td>
</tr>
<tr>
<td>Overall height with mast raised</td>
<td>mm</td>
</tr>
<tr>
<td>Height to top of overhead guard</td>
<td>mm</td>
</tr>
<tr>
<td>Seat height</td>
<td>mm</td>
</tr>
<tr>
<td>Tongue coupling height</td>
<td>mm</td>
</tr>
<tr>
<td>Overall length</td>
<td>mm</td>
</tr>
<tr>
<td>Length to fork face (excludes fork thickness)</td>
<td>mm</td>
</tr>
<tr>
<td>Overall width</td>
<td>mm</td>
</tr>
<tr>
<td>Fork dimensions, width, length</td>
<td>mm</td>
</tr>
<tr>
<td>Fork carriage to DIN 15173 A / B / no</td>
<td></td>
</tr>
<tr>
<td>Fork carriage width</td>
<td>mm</td>
</tr>
<tr>
<td>Ground clearance under mast, with load</td>
<td>mm</td>
</tr>
<tr>
<td>Ground clearance at centre of wheelbase, with load (forks lowered)</td>
<td>mm</td>
</tr>
<tr>
<td>Working aisle width with 1000 mm pallets, crosswise</td>
<td>mm</td>
</tr>
<tr>
<td>Working aisle width with 1200 mm pallets, crosswise</td>
<td>mm</td>
</tr>
<tr>
<td>Turning circle radius</td>
<td>mm</td>
</tr>
<tr>
<td>Minimum distance between centres of rotation</td>
<td>mm</td>
</tr>
</tbody>
</table>

### Engine

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacture / Type</td>
<td></td>
</tr>
<tr>
<td>Rated output to ISO 1516 (kW output)</td>
<td>kW</td>
</tr>
<tr>
<td>Rated speed to DIN 17020</td>
<td>rpm</td>
</tr>
<tr>
<td>Number of cylinders / cubic capacity</td>
<td></td>
</tr>
<tr>
<td>Fuel consumption according to VDI 601</td>
<td>l/h</td>
</tr>
<tr>
<td>Max. torque</td>
<td>kNm</td>
</tr>
<tr>
<td>Max. torque at engine speed</td>
<td>rpm</td>
</tr>
</tbody>
</table>

### Miscellaneous

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of drive control</td>
<td></td>
</tr>
<tr>
<td>Minimum operating pressure for attachments</td>
<td>bar</td>
</tr>
<tr>
<td>Oil flow for attachments</td>
<td>l/min</td>
</tr>
<tr>
<td>Noise level, value at operator’s ear (EN 12353)</td>
<td>dB (A)</td>
</tr>
<tr>
<td>Towing coupling, type DIN 15170</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

- Ast = Wa + x + l6 + a

**Formulas:**

- WA = Wa + x + l6 + a
- a = Safety clearance (200 mm)
- l6 = Pallet length (800 or 1000 mm)
- b12 = Pallet width (1200 mm)

---

**Table Values:**

- **Rated output to ISO 1516 (kW output)**
- **Rated speed to DIN 17020**
- **Number of cylinders / cubic capacity**
- **Fuel consumption according to VDI 601**
- **Max. torque**
- **Max. torque at engine speed**

---

**N.B.**

- Ast = Working aisle width with load
  - a = Safety clearance (200 mm)
  - b11 = Pallet length (800 or 1000 mm)
  - b12 = Pallet width (1200 mm)
**DP/GP15N - DP/GP18N**

<table>
<thead>
<tr>
<th>Mast Type</th>
<th>h3</th>
<th>h1</th>
<th>h4</th>
<th>Maj Lifting</th>
<th>h2/h5</th>
<th>@ c = 5000kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex</td>
<td>3000</td>
<td>1990</td>
<td>4055</td>
<td>100 2500</td>
<td>100 2500</td>
<td></td>
</tr>
<tr>
<td>Triplex</td>
<td>3500</td>
<td>2240</td>
<td>4555</td>
<td>155 2500</td>
<td>155 2500</td>
<td></td>
</tr>
<tr>
<td>Duplex</td>
<td>4000</td>
<td>2790</td>
<td>5055</td>
<td>210 2500</td>
<td>210 2500</td>
<td></td>
</tr>
<tr>
<td>DP/GP18N</td>
<td>5000</td>
<td>3300</td>
<td>6055</td>
<td>265 2500</td>
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</table>

**DP/GP20N - DP/GP25N**

<table>
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<th>h4</th>
<th>Maj Lifting</th>
<th>h2/h5</th>
<th>@ c = 5000kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex</td>
<td>3000</td>
<td>2015</td>
<td>4055</td>
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<tr>
<td>Triplex</td>
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<td>2265</td>
<td>4555</td>
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<td>160 2500</td>
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</tr>
<tr>
<td>Duplex</td>
<td>4000</td>
<td>2815</td>
<td>5055</td>
<td>215 2500</td>
<td>215 2500</td>
<td></td>
</tr>
<tr>
<td>DP/GP25N</td>
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<td>3365</td>
<td>6055</td>
<td>270 2500</td>
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</table>

**DP/GP30N**

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<th>Maj Lifting</th>
<th>h2/h5</th>
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<tbody>
<tr>
<td>Simplex</td>
<td>3000</td>
<td>2045</td>
<td>4055</td>
<td>110 3000</td>
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<tr>
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<td>2305</td>
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<td>165 3000</td>
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<tr>
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<td>2855</td>
<td>5055</td>
<td>220 3000</td>
<td>220 3000</td>
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<tr>
<td>DP/GP30N</td>
<td>5000</td>
<td>3405</td>
<td>6055</td>
<td>275 3000</td>
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**DP/GP40N**

<table>
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<tr>
<th>Mast Type</th>
<th>h3</th>
<th>h1</th>
<th>h4</th>
<th>Maj Lifting</th>
<th>h2/h5</th>
<th>@ c = 5000kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex</td>
<td>3000</td>
<td>2075</td>
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<td>115 3500</td>
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<td>3500</td>
<td>2335</td>
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<tr>
<td>Duplex</td>
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<td>5055</td>
<td>225 3500</td>
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<tr>
<td>DP/GP40N</td>
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<td>3435</td>
<td>6055</td>
<td>280 3500</td>
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**DP/GP50N**

<table>
<thead>
<tr>
<th>Mast Type</th>
<th>h3</th>
<th>h1</th>
<th>h4</th>
<th>Maj Lifting</th>
<th>h2/h5</th>
<th>@ c = 5000kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex</td>
<td>3000</td>
<td>2105</td>
<td>4055</td>
<td>120 4000</td>
<td>120 4000</td>
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</tr>
<tr>
<td>Triplex</td>
<td>3500</td>
<td>2365</td>
<td>4555</td>
<td>175 4000</td>
<td>175 4000</td>
<td></td>
</tr>
<tr>
<td>Duplex</td>
<td>4000</td>
<td>2915</td>
<td>5055</td>
<td>230 4000</td>
<td>230 4000</td>
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</tr>
<tr>
<td>DP/GP50N</td>
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<td>3465</td>
<td>6055</td>
<td>285 4000</td>
<td>285 4000</td>
<td></td>
</tr>
</tbody>
</table>

**DP/GP15-20CN**

All dimensions include load backrest. In case load backrest is not used h5 will increase by 410 mm, while h4 will decrease by 410 mm.

**DP/GP20-35N**

All dimensions include load backrest. In case load backrest is not used h5 will increase by 390 mm (20N, 25N), 350 mm (30N), 450 mm (35N), 550 mm (40N) and 650 mm (45N). The capacities are applicable for pneumatic shaped solid tyres (SE).

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Load Centre (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>1200</td>
</tr>
<tr>
<td>2000</td>
<td>2400</td>
</tr>
<tr>
<td>3000</td>
<td>3300</td>
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<tr>
<td>4000</td>
<td>4200</td>
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<td>5000</td>
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</tr>
<tr>
<td>6000</td>
<td>6000</td>
</tr>
<tr>
<td>7000</td>
<td>7000</td>
</tr>
</tbody>
</table>

**Mast Performance and Capacity**

### Simplex
- h1: Height with mast lowered
- h2: Standard free lift
- h3: Lift height
- h4: Height with mast raised
- h5: Full free lift
- Q: Lifting capacity, rated load
c: Load centre (distance)

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