MAXIMUM EFFICIENCY

3,000 – 4,000 LB. CAPACITY
ELECTRIC CUSHION TIRE LIFT TRUCKS
POWER TO TACKLE YOUR TOUGHEST JOBS.

Made For Your Operation

Combining the latest in operator ergonomics and advanced AC technology, the Cat® EC15N-EC18LN electric cushion tire lift truck series gives your operators the tools they need to drive your business forward.

ADVANTAGES TO YOU:

- Low energy consumption - to keep the truck running for more hours
- Convenient battery extraction and access options
- Controllers, display, fingertip controls (optional) and motors are protected against dust and water
- Precise load handling and fast lift speeds
- Compact design minimizes turning radius for easy maneuvering in tight spaces
- Zero hydrocarbon emissions
- Industry-leading 500-hour extended service intervals
- World-class service and support from your experienced Cat lift truck dealer

KEY APPLICATIONS:

- Food Products
- Transportation
- Chemical and Allied Products
- Rubber and Plastics
- Metal Products
- Electronic and Electric Products
- Textile Products
- Rental Options For Seasonal Demands

EXCEPTIONAL RUN TIMES

Work longer without sacrificing performance, thanks to Cat Lift Trucks 3-phase AC technology and regenerative braking.

- All AC drive and hydraulic system – no brushes or commutator
- Enhanced electric power steering

RESPONSIVE ACCELERATION AND BRAKING

Separate drive, hydraulic and steer motors, maximize the lift truck’s performance for superior power and greater productivity.

The Benefit To You:

- Responsive acceleration and braking
- Precise positioning
- Controlled travel speed
AN OPERATOR COMPARTMENT DESIGNED TO FIT YOU

Exceptional Comfort For A Long Day’s Work.

FEATURES ALWAYS AT HAND

Hydraulic Levers
Conveniently mounted in the dashboard putting control in easy reach

4” Full-Color Display
Helps to keep the operator aware of truck performance

Emergency Battery Disconnect Button
Completely stops the unit in case of emergency

Re-charge Devices On The Go
A optional USB charging port for work and personal devices

Additional Storage
The storage compartment keeps work and personal items close at hand

MORE SPACE

MORE COMFORT

MORE PRODUCTIVITY
Protected Wiring
Routed inside of the legs of the overhead guard for extra protection.

Rear Visibility
Low-profile counterweight provides excellent visibility when traveling in reverse.

Standard Vinyl Seat
The full-suspension, standard vinyl seat can be adjusted to give the operator the most comfortable position possible:
- Front And Back
- Lumbar Support
- Suspension

Front And Back Lumbar Support Suspension

Narrow Steering Column
- Low effort
- Full-hydrostatic steering system
- Tilt-adjustable

Forward Visibility
Narrow mast channels and open overhead guard design for excellent visibility.
WORK SMART. WORK SAFE.

With State-Of-The-Art Technology To Assist You

With a wide-range of features and options, the Cat EC15N-EC18LN series gives your operators the confidence they need to get the job done.

**SMART DESIGN**

**Full-Color Display**
- Seat belt warning
- Mast interlock
- Reduced travel speed indicators
- Service maintenance reminders

**Advanced Control System**
- One-touch programming
- Easy-to-service
- Customizable programming
- PIN Code access with 100 individual codes

**Easy Three-Point Access**
- Elongated, 15-inch grab handle
- Oversized anti-slip grill plate covers the entire step for better grip
- Hip restraint helps the operator get into and out of the truck

**FEATURES YOU CAN DEPEND ON**
- Front LED Work Lights
- Highly-visible orange seat belt
- Foot-activated parking brake
SMART SYSTEMS

Operator Presence Detection System (PDS)
This integrated, computer-based feedback system uses both audible and visual indicators to alert the operator to potentially hazardous situations, while increasing operator awareness.

• When the operator is not in the normal operating position, the Presence Detection System electronically discontinues powered-travel movement and load-handling functions.

• When an operator is in the normal operating position, but the seat belt is not buckled, an audible warning will sound and a visible indicator will appear, alerting the operator.
EASY ACCESS.  
EASY SERVICE.

Less Maintenance.  
More Uptime.

Together, convenient service intervals and sealed components add up to greater uptime – to keep your business moving.

**Easy access to core components**
- AC drive motor
- Hydraulic motor and controllers
- No tools required to remove floorboard

**500-hour convenient service intervals**
Less time doing maintenance equates to more time on the floor moving product.

**MOTOR PROTECTION SYSTEM**
Display-based indicators notify the operators when motor maintenance is required, resulting in greater uptime while helping to reduce the risk of more costly maintenance needs later down the line.

**BATTERY COMPARTMENT DESIGN**
For extra protection and reduced noise, the unique battery compartment design features strategic spacers and an additional edge cover.

**EASY TO CHARGE**
Convenient charging option to simplify access to the battery compartment and save you time.

Easy floorboard access to components means less time searching for maintenance points, and more time on the job.
GET THE WORK DONE. YOUR WAY.

ADAPTABLE PERFORMANCE MODES
Optimize your performance and efficiency by simply selecting one of the pre-set operating modes. Efficiency is optimized by achieving the right balance between output and economy.

WIDE VARIETY OF OPTIONS
Special application packages
- A drive-in rack option to better fit different applications
- Freezer for intermittent use below 14°F

Electronic back-up “smart” alarm
- Ideal option for freezer and cold applications
- The back-up alarm will automatically adjust its volume level to suit the environment
- -40°F to 185°F temperature operating range

Productivity options
- Foot direction control
- Steering wheel knob

Variety of light packages
These models can be customized with blue spot lights, strobe lights and more.

Optional U.L. type ES, EE ratings

SHIPPING AREA
High Performance
- Fast acceleration
- Fast travel speed
- Moderate hydraulic speeds

RECEIVING AREA
Short Shuttle
- Fast acceleration
- Slow travel speed
- Moderate hydraulic speeds

LONG SHIFTS
Economy
- Slow acceleration
- Slow travel speed
- Moderate hydraulic speeds

TRAVEL APPLICATION
Long Shuttle
- Slow acceleration
- Fast travel speed
- Moderate hydraulic speeds

MAIN WAREHOUSE
Normal Warehouse
- Moderate acceleration
- Moderate travel speed
- Moderate hydraulic speeds
MORE
CONFIDENCE
Local Support
You Can Count On

A Cat lift truck purchase connects you to a variety of material handling solutions, including world-class service and support from your local, trusted dealer. With trained service technicians, a diverse parts inventory and a broad selection of service options, your local dealer can help you lower costs, enhance productivity and more efficiently manage your business.

FINANCING MADE SIMPLE
Financing your next Cat lift truck is easy with our wide range of flexible leasing and purchasing options. Whether you want to finance or lease, your local Cat lift truck dealer can help customize a package for your business.

WHEN EVERY PART COUNTS
When buying from your local Cat lift truck dealer, you can rest assured that your genuine OEM parts are manufactured to meet original equipment criteria. Additionally, all Cat lift trucks OEM parts come with a six-month, unlimited-hours warranty.

When speed is critical, our Parts Fast Or Parts Free Guarantee* ensures next-business-day delivery of all Cat lift trucks parts, or they’re free, including freight. If your part doesn’t come in by the next business day, we pay for it.

STANDING BEHIND OUR PRODUCTS
We deliver peace of mind by helping your lift trucks stay on the job. Every new Cat lift truck is covered by a 1-year / 2,000-hours warranty that includes parts and labor, as well as components and systems. With our standard 2-year / 4,000-hours extended powertrain warranty, you’ll have the confidence that only comes from owning a Cat lift truck.

* At dealer’s location.
† Programs may be subject to change without notice and may vary by region. Please ask your local Cat lift truck dealer for complete terms and conditions.
### Specifications

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>EC15N</th>
<th>EC18N</th>
<th>EC18LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Capacity at rated load center</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td></td>
<td>3,000</td>
<td>1,360</td>
<td>3,500</td>
</tr>
<tr>
<td>2 Load center – distance</td>
<td>in</td>
<td>mm</td>
<td>in</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>600</td>
<td>24</td>
</tr>
<tr>
<td>3 Power – diesel, gasoline, LP gas,</td>
<td></td>
<td></td>
<td>electric</td>
</tr>
<tr>
<td>electric</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Tire type – cushion, solid pneumatic</td>
<td>cushion</td>
<td>cushion</td>
<td>cushion</td>
</tr>
<tr>
<td>5 Wheels (x-driven) number front / rear</td>
<td></td>
<td></td>
<td>2x / 2</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>EC15N</th>
<th>EC18N</th>
<th>EC18LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Maximum fork height (top of forks) in mm</td>
<td>130.7</td>
<td>3,320</td>
<td>130.7</td>
</tr>
<tr>
<td>7 Free lift</td>
<td>in</td>
<td>4.5</td>
<td>45</td>
</tr>
<tr>
<td>8 Forks – thickness x length x width in mm</td>
<td>1.4 x 42 x 3.9</td>
<td>35 x 1,070 x 100</td>
<td>1.4 x 42 x 3.9</td>
</tr>
<tr>
<td>10 Tilt – forward / backward deg</td>
<td>5.0 / 6.0°</td>
<td>5.0 / 6.0°</td>
<td>5.0 / 6.0°</td>
</tr>
<tr>
<td>11 Overall length (with 42° long forks) in mm</td>
<td>120.0</td>
<td>3,050</td>
<td>120.0</td>
</tr>
<tr>
<td>12 Length to fork face (includes fork thickness) in mm</td>
<td>78.0</td>
<td>1,980</td>
<td>78.0</td>
</tr>
<tr>
<td>13 Overall width with standard tires in mm</td>
<td>370</td>
<td>947</td>
<td>370</td>
</tr>
<tr>
<td>14 Overall width with wide stance tires in mm</td>
<td>39.0</td>
<td>996</td>
<td>39.0</td>
</tr>
<tr>
<td>15 Height to top of lowered mast in mm</td>
<td>83.1</td>
<td>2,110</td>
<td>83.1</td>
</tr>
<tr>
<td>16 Seat height to SIP in mm</td>
<td>40.3</td>
<td>1,023</td>
<td>40.3</td>
</tr>
<tr>
<td>17 Height to top of overhead guard in mm</td>
<td>86.0</td>
<td>2,180</td>
<td>86.0</td>
</tr>
<tr>
<td>18 Drawbar pin height in mm</td>
<td>9.2</td>
<td>234</td>
<td>9.2</td>
</tr>
<tr>
<td>19 Height with mast raised in mm</td>
<td>179.2</td>
<td>4,550</td>
<td>179.2</td>
</tr>
<tr>
<td>20 Minimum outside turning radius in mm</td>
<td>70.5</td>
<td>1,790</td>
<td>70.5</td>
</tr>
<tr>
<td>21 Load distance, axle to fork face in mm</td>
<td>14.8</td>
<td>376</td>
<td>14.8</td>
</tr>
<tr>
<td>22 Minimum aisle – 90° stack - zero clearance without load in mm</td>
<td>85.0</td>
<td>2,165</td>
<td>85.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance</th>
<th>EC15N</th>
<th>EC18N</th>
<th>EC18LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 Travel speed – loaded / empty (36 volt) mph</td>
<td>10.2</td>
<td>11.2</td>
<td>16.4 / 18.0</td>
</tr>
<tr>
<td>24 Travel speed – loaded / empty (48 volt) mph</td>
<td>11.3</td>
<td>11.3</td>
<td>18.2 / 18.2</td>
</tr>
<tr>
<td>25 Lift speed – loaded / empty (36 volt) fpm</td>
<td>78.7</td>
<td>110.2</td>
<td>0.40 / 0.56</td>
</tr>
<tr>
<td>26 Lift speed – loaded / empty (48 volt) fpm</td>
<td>96.4</td>
<td>129.9</td>
<td>0.50 / 0.66</td>
</tr>
<tr>
<td>27 Lowering speed – loaded / empty fpm</td>
<td>98.4</td>
<td>80.7</td>
<td>0.50 / 0.41</td>
</tr>
<tr>
<td>28 Gradeability – loaded at 1 mph (1.6 km/h) (36 volt) %</td>
<td>24</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>29 Gradeability – loaded at 1 mph (1.6 km/h) (48 volt) %</td>
<td>25</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>30 Maximum gradeability – loaded / empty %</td>
<td>15 / 23</td>
<td>15 / 19</td>
<td>15 / 18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight</th>
<th>EC15N</th>
<th>EC18N</th>
<th>EC18LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 Empty – with minimum weight battery lb</td>
<td>6,270</td>
<td>2,845</td>
<td>6,790</td>
</tr>
<tr>
<td>32 Axle load – with rated load (front / rear) lb</td>
<td>8,030</td>
<td>1,240</td>
<td>3,750 / 595</td>
</tr>
<tr>
<td>33 Axle load – without rated load (front / rear) lb</td>
<td>2,500</td>
<td>3,770</td>
<td>1,125 / 1,720</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chassis</th>
<th>EC15N</th>
<th>EC18N</th>
<th>EC18LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>34 Tire size – front, standard duals in mm</td>
<td>18.0x6.0x12.2</td>
<td>457x152x308</td>
<td>18.0x6.0x12.2</td>
</tr>
<tr>
<td>35 Tire size – rear in mm</td>
<td>14.0x5.0x10.0</td>
<td>356x127x254</td>
<td>14.0x5.0x10.0</td>
</tr>
<tr>
<td>36 Wheelbase in mm</td>
<td>46.0</td>
<td>1,170</td>
<td>46.0</td>
</tr>
<tr>
<td>37 Tread width – front, standard tires in mm</td>
<td>31.0</td>
<td>793</td>
<td>31.0</td>
</tr>
<tr>
<td>38 Tread width – rear tires in mm</td>
<td>32.3</td>
<td>820</td>
<td>32.3</td>
</tr>
<tr>
<td>39 Ground clearance – at lowest point in mm</td>
<td>3.0</td>
<td>75.0</td>
<td>3.0</td>
</tr>
<tr>
<td>40 Ground clearance – at center of wheelbase in mm</td>
<td>3.0</td>
<td>75.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical</th>
<th>EC15N</th>
<th>EC18N</th>
<th>EC18LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>43 Battery type</td>
<td>lead-acid</td>
<td>lead-acid</td>
<td>lead-acid</td>
</tr>
<tr>
<td>44 Battery capacity at 6 hr. discharge rate (36 volt) Ah</td>
<td>880</td>
<td>217</td>
<td>880</td>
</tr>
<tr>
<td>45 Battery capacity at 6 hr. discharge rate (48 volt) Ah</td>
<td>770</td>
<td>370</td>
<td>770</td>
</tr>
<tr>
<td>46 Battery weight, minimum lb</td>
<td>1,650</td>
<td>750</td>
<td>1,650</td>
</tr>
<tr>
<td>47 Battery weight, maximum lb</td>
<td>2,650</td>
<td>1,200</td>
<td>2,650</td>
</tr>
<tr>
<td>48 Battery compartment size, maximum in mm</td>
<td>278x35.8x23.3</td>
<td>708x906x592</td>
<td>278x35.8x23.3</td>
</tr>
<tr>
<td>49 Drive motor capacity (60 min. rating) (36 / 48 volt) kW</td>
<td>8.3</td>
<td>9.1</td>
<td>6.2 / 6.8</td>
</tr>
<tr>
<td>50 Lift output (15% rating) (36 / 48 volt) kW</td>
<td>15.4</td>
<td>15.4</td>
<td>15.4</td>
</tr>
<tr>
<td>51 Drive / hydraulic controls type</td>
<td>AC transistor</td>
<td>AC transistor</td>
<td>AC transistor</td>
</tr>
<tr>
<td>52 Relief pressure for attachments PS</td>
<td>2,277</td>
<td>15.7</td>
<td>2,277</td>
</tr>
<tr>
<td>53 Flow rate for attachments gpm</td>
<td>14.5</td>
<td>14.5</td>
<td>14.5</td>
</tr>
</tbody>
</table>

*Maximum converted value to gradeability at maximum torque of the traction motor.

**NOTE:** These specifications assume the use of drive axles, tires and tilt angles specified. Maximum converted value to gradeability at maximum torque of the traction motor. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. (MCFA). (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary (auxiliary) devices or modify your operating practices. Consult your dealer for further information.
Call-out numbers shown in the diagram correspond to the first column of the specifications chart.

**Safety Standards**

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1.

UL-Classified by Underwriters Laboratories, Inc., as to fire and electric shock hazard only. Availability: Type E standard. Types ES and EE optional. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your Cat lift truck dealer for further information including operator training programs and auxiliary visual and audible warning systems, fire extinguishers, etc., as available for specific user applications and requirements. Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.
Your Cat lift truck dealer can provide additional options and features to specialize your lift truck for your unique application. Operator training and custom financing programs are also available to help find the right fit for your business.

Helping move businesses forward – that’s how we’re built.