



Beacon Industries, Inc.
12300 Old Tesson Road
St. Louis, Missouri 63128-2247
Ph: 314-487-7600 800-454-7159
Fax: 314-487-0100

Electric Hand Truck

Frequently Asked Questions

How fast does the BPEL raise/lower?

All BPEL's, 88, 400, and A models are about the same speed fully loaded, or unloaded at maximum speed setting...approximately 3.6 inches per second up, and 4.5 in/second down. The BPEL 100A is slightly slower because the pitch on the screw is different. The speed can be slowed down via the touchpad speed control.

BPEL88, 88A, 400-57 is approximately 18 seconds raise, 11 seconds lower time.

BPEL 100, 100A, and 400-72 is approximately 18 seconds raise, 15 seconds lower time.

For special height BPEL's...take the raise height minus lower height and divide by the 3.6in/sec= 14.3 seconds to go from lowered height to raised height. Lower time is $51.5/4.5=11.4$ seconds. With or without weight it is about the same.

How noisy is the BPEL?

The Steel units (BPEL88, BPEL100, BPEL400) measure about 63 dB at a distance of 1 foot from the motor enclosure. At 3 feet the level drops to about 59 dB. The units are at least this quiet when rolling too. The Aluminum units are noisier, and would have to be measured on an individual basis.

How many cycles can I get on one charge, how long does it take to charge?

This will vary depending on how high the load is lifted, how much weight is lifted, the age of the batteries, and the battery type.

The BPEL88, 88A, and 100 will last about 200 cycles continuous...or, 1 cycle every 5 minutes for 8 hours. Charge time is anywhere from 4 to 6 hours depending on the condition of the battery, age, etc.

The BPEL400 will last about 300 to 400 cycles continuous...or, 1 cycle every 4 minutes for 8 hours. Charge time is anywhere from 6 to 8 hours depending on the condition of the battery, age, etc.

How long can I leave the battery charger plugged in?

The chargers for all BPEL's are a 3 stage charger and can be left on the unit indefinitely without harming the battery. However, the unit will not operate when the charger is plugged in. For long term storage, it is recommended to pull the circuit breaker open...or disconnect the batteries.

What kind of batteries do the BPEL's use, are the UPSable?

The batteries for the BPEL88, 100, 88A, 100A are 12 volt, 12 amp hour, AGM (absorbed) glass matt) and are maintenance free, and UPSable. Two batteries per unit, wired in series.

The batteries for the BPEL400 are 12 volt, 33 amp hour, AGM (absorbed glass matt) and are maintenance free, and UPSable. Two batteries per unit, wired in series.

Consult the owners manual for more details on battery voltage and troubleshooting.

What temperature is the quicklift rated for?

The maximum operating environment should not exceed 45 degrees C (113F). If the temperature goes up to 50C (122F) the display may fade, and above that permanent damage may occur.

The minimum operating temperature is 32 degrees F.

Is the unit water proof?

No, the unit is not water proof and is intended for indoor use only.

Unit should not be pushed from cold to warm so as to cause condensation. Moisture will eventually damage the motor controller and touchpad.

What classification of clean room is the BPEL rated for?

The BPEL has not yet been tested to clean room specifications.

Is the unit explosion proof, can it be made so?

No, the unit is not explosion proof, not can it be made so.