

# DB SERIES

## PACKAGE HANDLING LIFT



MATERIAL HANDLING SOLUTIONS

www.pflow.com  
 P (414) 352 9000  
 F (414) 352 9002  
 6720 N. Teutonia Ave.  
 Milwaukee, WI 53209

**Transports loads to mezzanines, between floors or between conveyor levels. Ideal for high-speed applications that require lifting boxes, cartons, packages, totes, containers or cases.**



- Lifts loads up to 100 lbs.
- Standard carriage size is 3' x 3'.
- Standard travel speed is 60 FPM.
- Indoor use only.
- Loading and unloading accessible from three sides.

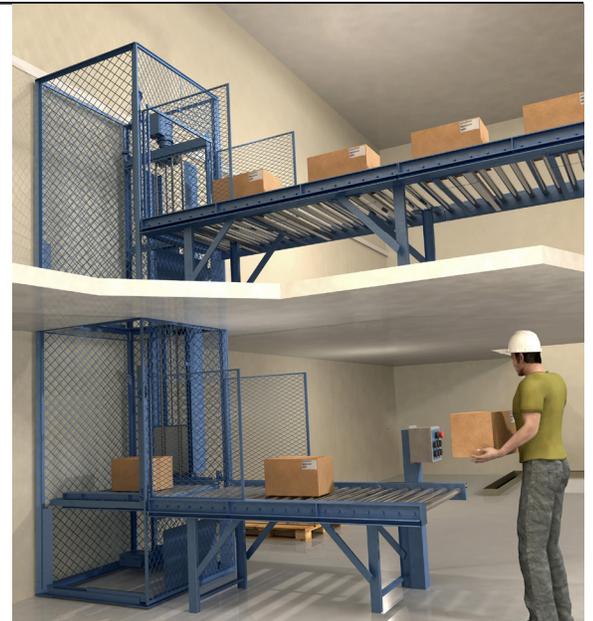
### GENERAL

Principal components of the DB Series are guide columns, carriage and mechanical actuating mechanism. All components are pre-assembled for ease of installation.

### STRUCTURE

Frame is constructed of structural steel, and designed to be self-supporting. Carriage is typically supplied with powered roller conveyor deck. Carriage is a cantilever design, and can be loaded from any of three operating sides, depending on the application.

- Saves space by handling loads often transported on an inclined conveyor.
- Smooth, quiet counterweight lifting mechanism minimizes horsepower requirements and saves energy.
- Completely self-contained, self-supporting and economical.
- Durable, high-quality materials and design ensure safe, reliable long-term performance.



### OPERATION

Carriage is lifted and lowered by dual chains connected to electric motor-reducer assembly. Power unit employs a fractional HP brake motor mounted to top of lift frame.

### ELECTRICAL

Standard power requirements are 230V/460V, 3-phase. Control voltage is 110VAC. Standard push-button stations and control panel are NEMA 12 rated. Control panel is designed to be mounted to back of frame; all control devices are pre-wired by manufacturer. A variety of control options are available, from basic interface to PLC automated controls.

### SAFETY FEATURES

Travel of the carriage is controlled by a limit switch. When the switch is tripped or power is lost, the motor shuts off and the mechanically actuated brake is engaged. Overload and carriage over-travel protection is provided.

### SAFETY ENCLOSURES / GATES

Standard units include integral, full-height enclosures on all sides made of 1/2" expanded metal.

