



SCISSOR TABLES & LIFTS - SELECTION GUIDELINES

- **Application:** Proper application is essential to the user's satisfaction and proper operation of the scissor table or lift (unit). Consider all conditions of operation when deciding the best unit for a specific application.
- **Lifting and Side/End Loading Capacities:** The lifting capacity of a unit is based on an equally distributed load and includes additional equipment, if any that would be used or installed in the application and / or operation.
 - Consult the factory for non-standard lifting and lowering applications:
 - Single-point or for Off-center loading
 - Rolling / Wheeled loads
- **Deck Size:** Determine the deck size required for your application. The minimum deck size available for any given application will vary depending on the vertical travel as well as the lifting capacity. Variations in the required deck size are obtainable with double and triple scissor units. The specifications noted in both our catalog and web site provide the dimensions necessary to configure your specific application.
- **Lowered Height:** Determine the lowered height your application requires. If you require a flush-with-the-ground operation you can mount the unit in a pit or select our GLSL (Ground Level Scissor Lift) unit. For pit installations the unit must be equipped with toe guard protection as noted below.
- **Vertical Travel:** Determine the maximum vertical (up) travel required for the application. Select a model which meets or exceeds that requirement.
- **Toe Guard Protection, OSHA Required for Pit Installations:**
 - **Beveled Toe Guards:** On most models utilizing Beveled Toe Guards, extra deck width and / or length will be required.
 - **Electric Peripheral Toe Guards:** If Electric Peripheral Toe Guards are installed on units equipped with straight toe guard decks, additional deck width and / or length will be required.
 - **Accordion Bellows Curtains:** If Accordion Bellows Curtains are required on units with straight toe guard decks, add a minimum of six (6") inches to both the width and length of the standard platform.
 - **Note:** If Electric Peripheral Toe Guards or Accordion Bellows Curtains are required, but not both, extra deck width and length may be required.

- **Speed and Frequency of Operation:**

- Power-packs equipped with a minimum 1HP TENV (Totally Enclosed Non-ventilated) motor are ideal where the lifting time (at full rated capacity) does not exceed the motor's duty cycle of five (5) minutes per hour.
- Power-packs equipped with TEPC (Totally Enclosed Pan Cooled) motors are rated for continuous duty. In feeding operations where upward jogging is the main operating parameter, this style of Power-pack is recommended.
- The specifications noted in both our catalog and web site will assist you in determining the necessary speed for your specific application.
- Aaron-Bradley will assist you in determining the correct Power-pack for your specific application.
- Duty cycles for standard units may range from approximately 6 cycles to 260 cycles per 8 hour shift. Greater duty cycles may require optional high speed packages to sustain the speed. Call Aaron-Bradley for details.
- The following table is intended as a guideline to assist you in determining duty cycle requirements:

Application	Cycle Class	Maximum Lifts per Hour
Ergonomic Solution	Standard	6
Lift & Hold for Extended Time Period	Standard	6
Maintenance Solutions	Standard	6
Manual Feeding Operations	Standard	6
Lift & Positioning	Standard	6
Intermediate to Heavy Use w/ No Down Time Allowed	High	30
Integral Production Equipment	High	30
Constant Cycling w/ Maximum Loads	High	30
High Speed Lifting & Lowering	High	30
Extended Warranties	High	30
Environments w/ High Levels of Dirt, Grit, Moisture or Corrosive Flames	High	30

- **Power Supply:** Specify the required power supply, 115-208VAC, 1 Phase or 230-480VAC, 3 Phase. The minimum wire size required will vary depending on the wire length from the source. Always consult applicable local and national codes for details.
- **Controls:** Standard controls are provided with an Up/Down Constant Pressure Push-button station. The button must be depressed to activate the unit. Motion stops when the button is released. Alternate controls, such as Guarded Foot units, Key Operated units and Automatic units are available. Check with Aaron-Bradley for details.