



Model B3

Model C3-Shown with  
Optional #4 Drive Package

### BUCKET ELEVATORS

The B3 and C3 Series of Universal Bucket Elevators offer smooth elevation of most free flowing materials and provide various capacities to meet most requirements. For fragile materials or for materials weighing more than 60 pounds per bushel, units with slower belt speeds are recommended. All standard units are provided in carbon steel (blue enamel) construction and are shipped "broken down". These elevators are designed for quick, on-the-job assembly for any installation.

Models with an "easy dump" (ED) are designed to dump the product onto the rear side of the preceding bucket to slow the product before it builds up any speed in its fall. This will greatly reduce the amount of damage that can occur with commodities that require more gentle handling.

### SELECTING THE PROPER MODEL

(These factors should be considered when choosing a bucket elevator)

1. CAPACITY DESIRED
2. TYPE OF MATERIAL (COMMODITY)
3. WEIGHT AND CHARACTERISTICS OF THE MATERIAL
4. TEMPERATURE OF MATERIAL BEING MOVED
5. GENTLENESS OF HANDLING REQUIRED
6. DISCHARGE HEIGHT AND OVERALL HEIGHT

NOTE: Guards Removed for Photos Only

Model	B3-75ED	B3-200	B3-300	C3-175ED	C3-500	C3-700
Capacity - Free flowing Material @ 75% Bucket Fill	75 bph 94 cfh 2.7 cmh	200 bph 250 cfh 7.0 cmh	300 bph 375 cfh 10 cmh	175 bph 220 cfh 6 cmh	500 bph 630 cfh 17 cmh	700 bph 875 cfh 24 cmh
TPH @ 50 lbs/ft³	2.25	6.25	9.25	5.0	15.0	21.0
TPH @ 75 lbs/ft³	3.5	9.3	14.0	8.0	23.0	32.0
Belt Speed	82-98 fpm	185 fpm	270 fpm	110-125 fpm	270 fpm	335 fpm
Headshaft RPM	70-90 rpm	170 rpm	250 rpm	85-95 rpm	200 rpm	245 rpm
Bucket Spacing	3 ¼"			4 ¼"		
Head Casing	14 gauge			12 gauge		
Headshaft Dia.	1-3/16" diameter			1-3/16" dia to 60', 1-7/16" dia over 60'		
Headshaft Bearing	Ball Bearing Pillow Block					
Head Pulley	4¼" dia. with vulcanized rubber lagging			5¼" dia with vulcanized rubber lagging		
Buckets	3¾" x 3" plastic or 18 gauge steel			6" x 4" plastic or 18 gauge steel		
Belting	4" wide PVC, rubber optional			6½" wide PVC, rubber optional		
Legging	16 gauge twin box columns					
Boot Casing	12 gauge					
Bootshaft	1-3/16" dia					
Bootshaft Bearing	1-3/16" two bolt flange					
Boot Pulley	Slatted, self cleaning style					
Construction	Carbon steel (galvanized, 304 stainless steel optional)					
Drive Package	Optional					
Motor	Optional					

#### Drive Packages for B3 & C3 Elevators (Motor not included):

#1 Drive Package: includes V-belts, sheaves, bushings, motor mount and drive guards .....	No. DP1
#1 Backstop (the factory recommends the use of a backstop with drive package) .....	No. BS1
#2 Drive Package : includes shaft mounted gear reducer, V-belts, sheaves, bushings, motor mount and drive guard .....	No. DP2
#2 Backstop (the factory recommends the use of a backstop with drive package) .....	No. BS2
#4 Drive Package - Shaft mount wormgear with 3 HP, TEFC motor (specify voltage) .....	No. DP4

(Contact us for assistance or for current price and delivery information)