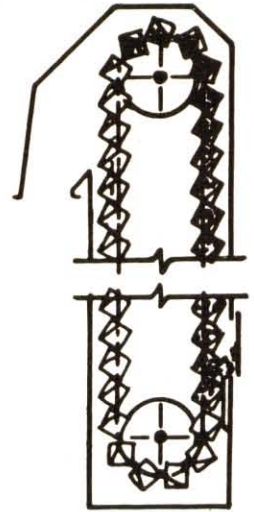


CEMENT PLANT BUCKET ELEVATOR:

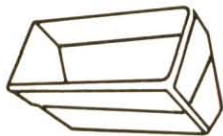
These are usually centrifugal chain type bucket elevators with buckets mounted on a single strand of chain. The buckets are normally a special combination of AA and continuous type bucket.



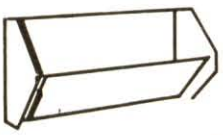
SUPER CAPACITY BUCKET ELEVATOR:

These are continuous chain type bucket elevators where buckets are mounted between two strands of chain SC bucket elevators are especially suitable for handling larger capacities of friable, heavy or abrasive material in fines or lumps.

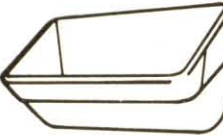
PARTS & ACCESSORIES



Style AC Bucket



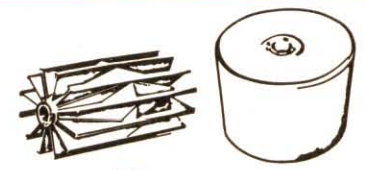
Continuous Style Elevator Bucket



Style AA Bucket



Pulleys



Sprocket Wheels



Service Platform



MATERIAL TABLE

Material	Wt per cc gms	Type of Elevator
Alfalfa meal	0.27	COC
Almonds, whole	0.48	COC
Alum, lumpy	0.88	CEC COC
Aluminium Oxide	1.92	COC
Ashes, coal	0.64	CEC
Baking Powder	0.8	COC
Barley, whole	0.71	CEB
Bauxite, crushed	1.28	CEC COC
Beans, Navy, dry	0.77	CEC COC
Bonemeal	0.88	CEC
Borax, powdered	0.8	CEC
Bran	0.32	CEC
Brewers grain spent, wet	0.96	CEC
Cement, bulk	1.36	CEC COC
Cement, clinker	1.36	CEC COC
Chalk, crushed	1.36	CEC COC
Chalk, pulverized	1.12	COC
Clay, Brick, Dry, Fire	1.92	CEB
Coal, Bitum. Miner	0.8	CEC
Coffee, grn bean	0.48	CEC COC

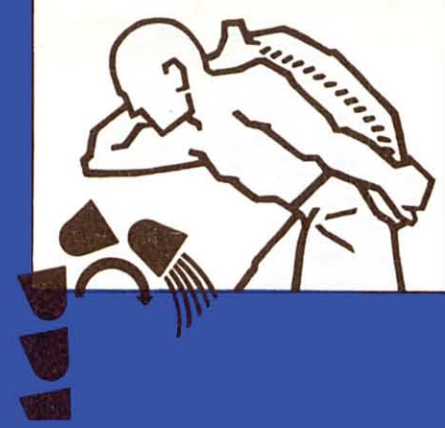
Material	Wt per cc gms	Type of Elevator
Coffee, roasted	0.4	CEC COC
Coke, petroleum	0.64	CEB
Coke, breeze	0.48	CEB
Corn Sugar	0.48	CEC
Cornmeal	0.64	CEC
Cottonseed de-linted	0.52	CEB
Cottonseed, cake lumpy	0.72	CEC
Dolomite, crushed	1.44	CEC COC
Feldspar, Grd.	1.2	CEC COC
Feldspar, Pwd.	2.24	COC
Flour, wheat	0.56	CEB
Fluorspar Fine	1.44	CEC
Fullers' Earth, raw	0.56	CEB
Glass batch	1.44	CEB
Grass seed	0.19	COC
Gravel, under 1'	1.6	CEC COC
Gypsum, powdered	1.12	CEC COC
Hops, dry spent	0.56	CEC
Lime, ground	1.04	CEC COC
Lime, pebble	0.88	CEC COC

Specifications & designs are subject to change without notice for any additional improvement

Designed, Manufactured & Supplied by :

PREMIUM PULMAN PVT LTD

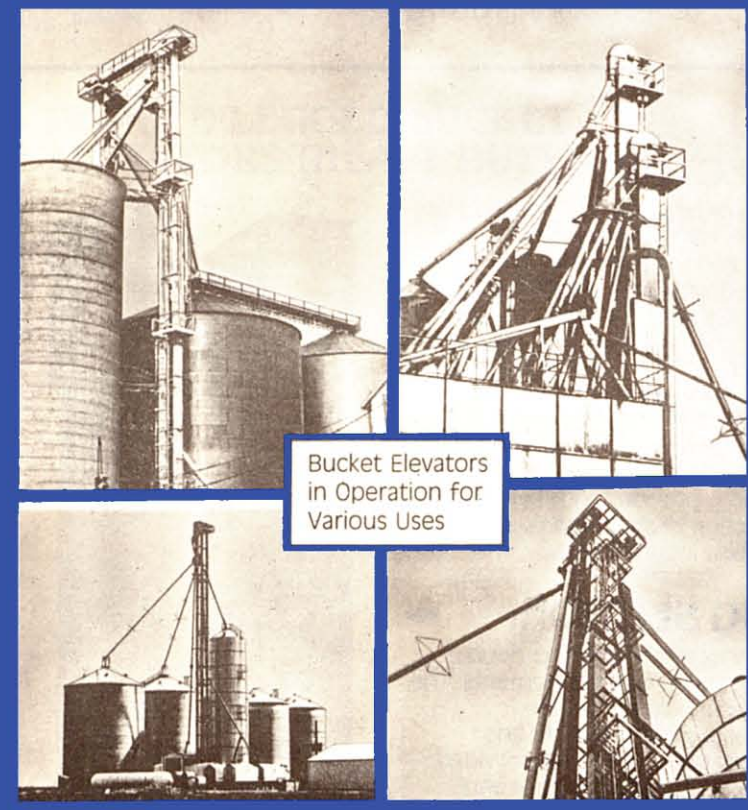
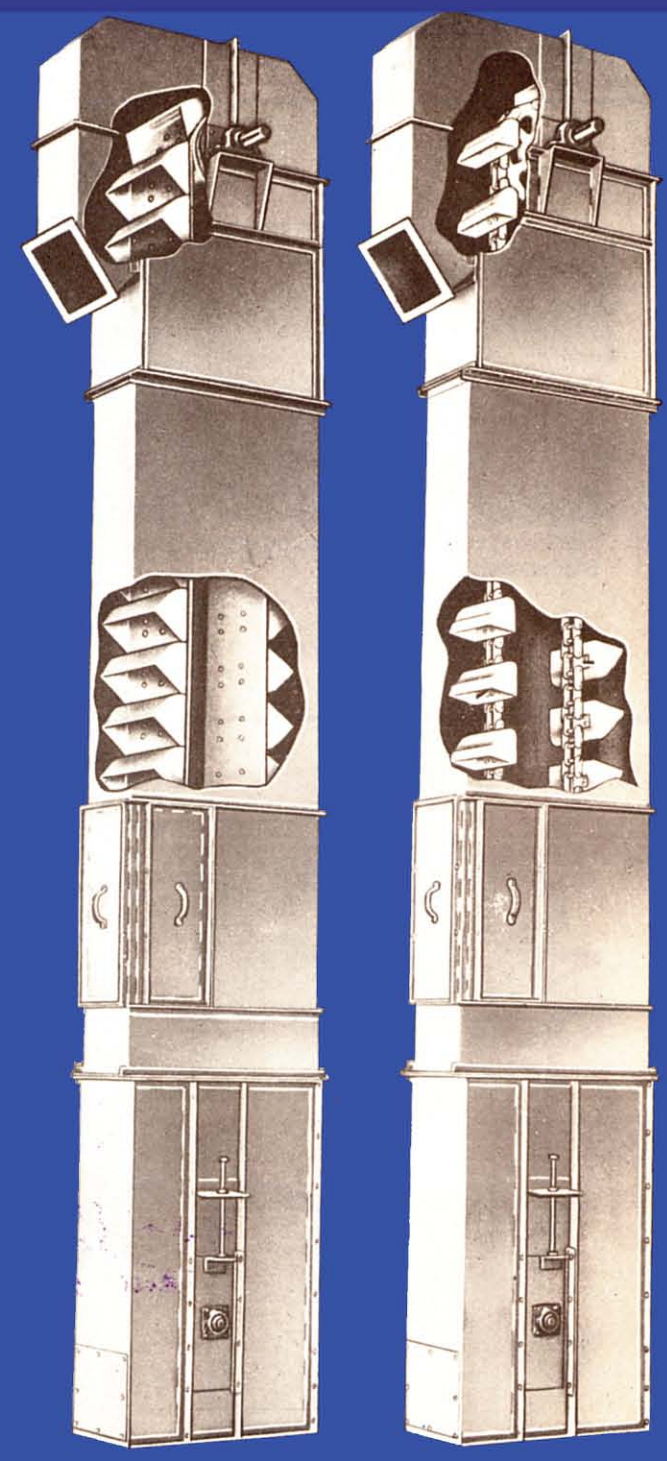
Plot No. 2009, Phase-IV, GIDC Industrial Estate, Vatva, Ahmedabad - 382 445. INDIA
 Phone : (079) 25894693, 25832541
 E-mail : exports@premiumpulverisers.com, premiumpulman@gmail.com
 Visit us : www.premiumpulverisers.com / www.premiumpulman.com
PROFESSIONALS IN SIZE REDUCTION TECHNOLOGY



PREMIUM Bulk Material Handling Systems (Mechanical)

PREMIUM Standard BUCKET ELEVATORS

- ◆ CENTRIFUGAL TYPE BUCKET ELEVATOR
- ◆ CONTINUES TYPE BUCKET ELEVATOR
- ◆ DOUBLE LEGGED (HEAVY DUTY) TYPE BUCKET ELEVATOR
- ◆ GALVANISED (LIGHT DUTY) BUCKET ELEVATOR
- ◆ CEMENT PLANT BUCKET ELEVATOR
- ◆ SUPER CAPACITY BUCKET ELEVATOR
- ◆ STANDARD PARTS & ACCESORIES
- ◆ BUCKET ELEVATORS SYSTEMS

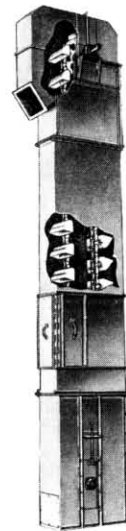


Bucket Elevators in Operation for Various Uses

BUCKET ELEVATORS are ideal for elevating a variety of bulk materials economically, efficiently and reliably. The two main types of Bucket Elevators are Centrifugal type and Continuous type.

CENTRIFUGAL TYPE - CE BUCKET ELEVATORS

Extremely suitable for handling fine, free flowing materials. Lower feed point, simpler loading and lesser no. of buckets characterise the centrifugal type when compared to continuous. Buckets are on chain or belt and travel at high speeds to effect discharge by centrifugal forces as they pass around the head pulley. The buckets are mounted at intervals on a chain or belt.

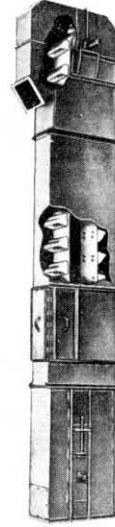


CENTRIFUGAL BELT TYPE-CEB

The elevator belts are normally friction surface belts on which the buckets are mounted. Buckets normally used are style AA malleable iron buckets. Drive is through shaft mounted gear reducer with built-in back stop, or through geared motors with chain drive.

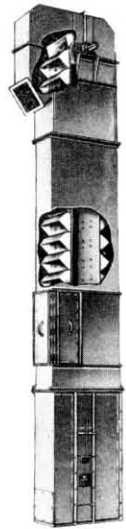
CENTRIFUGAL CHAIN TYPE-CEC

Buckets are mounted on chains, which are std. combination chains or steel side bar chains. Heat treated chains are also available. Buckets normally used are style AA malleable iron buckets. Drive is through shaft mounted gear reducer with built-in back stop or through geared motor with chain drive.



CONTINUOUS TYPE - CO BUCKET ELEVATORS

Continuous bucket elevators have buckets mounted continuously on chain or belt. These elevators are suitable for sluggish, aerated and friable material or material with larger % of lumps. Loading of the buckets is through loading leg and discharged over the face of the preceding bucket while passing around the headwheel.

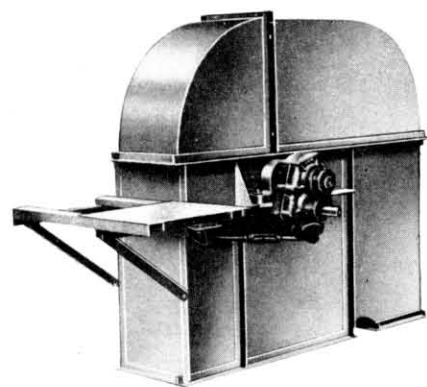
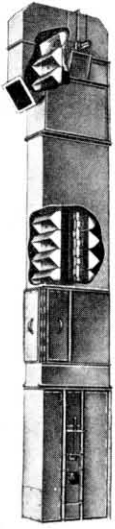


CONTINUOUS BELT TYPE-COB

The buckets are mounted continuously on the face of the elevator belts which are normally friction surface belts. Continuous type steel buckets are used leaving minimum clearance between the buckets. Drive is through shaft mounted gear reducer with built in back stop or through geared motor with chain drive.

CONTINUOUS CHAIN TYPE-COC

Buckets are mounted continuously on chains which are std. combination chains or steel side bar chains. Buckets are continuous type, leaving minimum clearance between the buckets. Drive is through shaft mounted gear reducer with built-in back stop or through geared motor with chain drive.

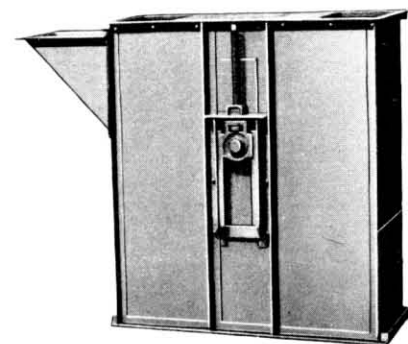


HEAD SECTION:

Head section is of heavy gauge construction with easy access for maintenance. The section is dust and weather tight. The head shaft is provided with antifriction bearing, discharge spout is provided with angular flange.

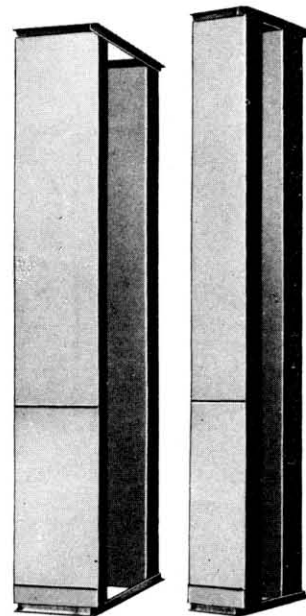
BOOT SECTION:

Boot section is fabricated out of heavy gauge sheet metal. The section is dust and water tight and is provided with handy door for easy inspection of shaft and pulley. Clean out slides are also incorporated.



LEGGING SECTION:

Legging section is either single or double legged depending on the requirements. The legging is in sections with suitable connecting flanges for perfect fit and alignment of sections. Doors are provided giving easy access for maintenance and cleaning.



CAPACITY CHARTS

CENTRIFUGAL TYPE

Model No.	Bucket size	Capacity TPH @0.7BD		Capacity TPH @0.4BD	
		250mm Pitch	300mm Pitch	250mm Pitch	300mm Pitch
BE-01	100 x 80	1.75	1.45	1.00	0.83
BE-03	150 x 100	4.20	3.50	2.40	2.00
BE-10	200 x 100	6.00	5.00	3.40	2.85
BE-20	200 x 125	12.5	10.50	7.00	6.00
BE-22	225 x 125	18.00	15.00	10.5	8.60
BE-25	250 x 150	21.00	17.50	12.00	10.00
BE-30	300 x 175	31.00	26.00	18.00	15.00

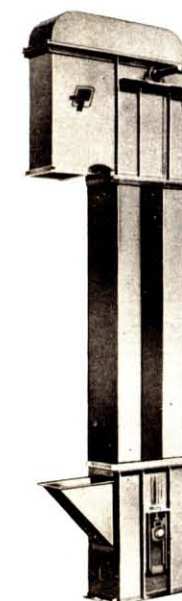
CONTINUOUS TYPE

Model No.	Bucket size	Capacity TPH @0.7BD		Capacity TPH @0.4BD	
		250mm Pitch	300mm Pitch	250mm Pitch	300mm Pitch
BE-01	100 x 80	2.0	1.75	1.50	1.0
BE-03	150 x 100	4.5	4.0	3.0	2.50
BE-10	200 x 100	7.0	6.0	4.0	3.0
BE-20	200 x 125	13.0	12.0	10.0	9.0
BE-22	225 x 125	20	18.0	15.0	14.0
BE-25	250 x 150	23	21.0	20	24.0
BE-30	300 x 175	33	31.0	28.0	

Note:

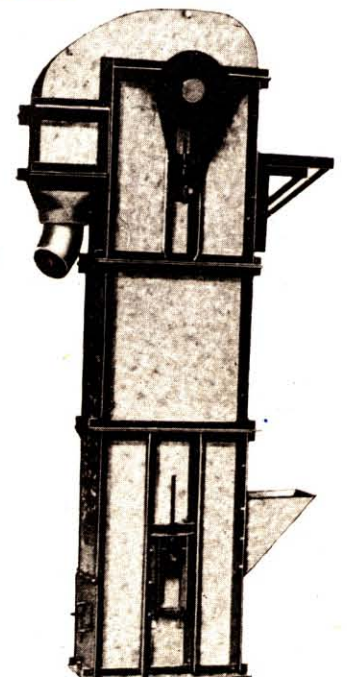
- Capacity and H.P. requirements given are for belt type elevators (designated CEB or COB). For chain type (designated CEC or COC) capacity will be reduced by approx. 10%.
- H.P. requirements indicated are for maximum centres of 15 metres. Increase or decrease in centres, increases or decreases HP required.

DOUBLE LEGGED BUCKET ELEVATORS (HEAVY DUTY):



This is suitable for large volume handling of grains, feeds etc. The elevator is self supporting with extra large heads and boot pulleys. They are fabricated from heavy gauge steel and are dust and water proof and with provision for easy clean out.

GALVANISED (LIGHT DUTY) BUCKET ELEVATORS:



Fabricated from galvanised steel sheets, is of single leg construction. Extremely suitable for small feed mills and drives with capacity upto 20 t/hr. The elevator is with intake chutes, suitable discharge spouts, inspection door and cleanout in boot.