



TKF CONTINUOUS VERTICAL CONVEYORS

High-speed up-or-down service, up to 35 loads/minute

When your material handling system requires up-or-down movement, vertical conveyors make better use of the building cube than any other handling system. TKF specializes in vertical conveyors that are designed to accept a load horizontally, convey it vertically and discharge it again horizontally, all in a continuous non-stop operation. Loading and unloading is in a "Z" pattern. Powered conveyors synchronized to the lift platform speed are used in loading and unloading, and are designed for the specific product to be handled, using roller, belt or chain.

With over 75 years' experience, TKF provides a number of cost-effective benefits:

- High speed
- Simple low maintenance design
- Selection of standardized units from modular components
- Fully automatic operation
- A choice of continuous or reciprocating types



Vertical Lift Advantages

High-speed continuous flow, with chain speeds up to 120 FPM, which provide an output up to 35 loads/minute depending on overall product dimensions. The flow is continuous, 24 hours a day if desired, never waiting for the return of a carrier. Each load is carried on a moving platform fastened between continuous loops of chain. The platform carrier is unique in that it is rigid in the horizontal load-carrying position, yet flexible in the opposite direction, allowing it to rotate around the sprockets to travel in minimum space on the return phase of each cycle.

Vertical travel up to 80 ft. The infeed height should be at least 18 to 28" (see spec table), but can be lower by using a pit.

Vertical travel completely automatic, as the moving platform receives each load from the feed conveyor, conveys it up (or down) to the unload station, and discharges it onto the receiving conveyor. No operator attention is required except for routine maintenance. Systems may be single direction or reversible, as required.

Capacities up to 6000 lbs. Offered in five standard models, with unit load capacities ranging from 5 to 6000 lbs.

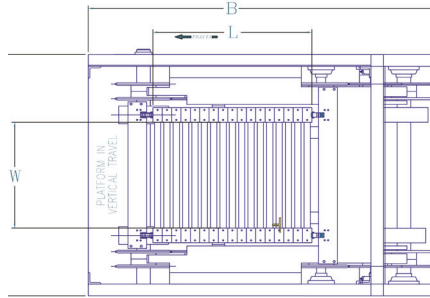
Fully guaranteed. TKF Vertical Conveyors are warranted for one year from date of installation providing another assurance of dependable operation and reliable service.

Complete turnkey systems from design to installation. TKF Engineers have the experience and capabilities to recommend, design, manufacture and install entire handling systems, integrating overhead conveyors, vertical conveyors, MDR and various types of special equipment and all necessary controls on a turnkey basis. While assembled from pre-engineered stock modular components, TKF Vertical Conveyors are individually customized for each individual application and built to customer specifications.

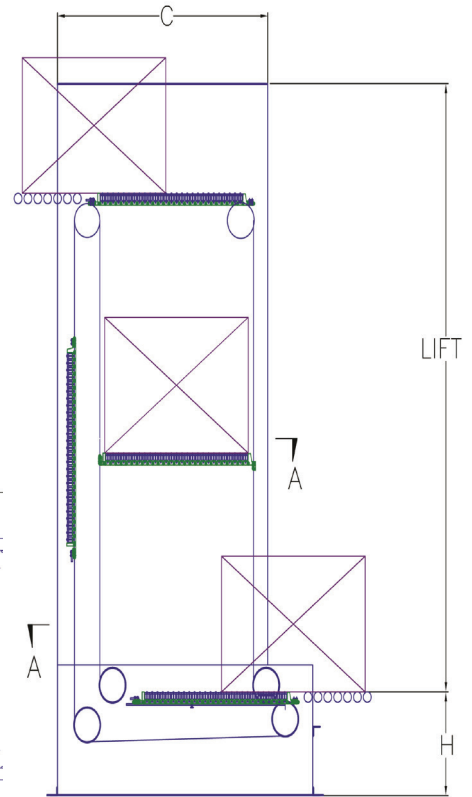
TKF Specifications

Model No.	Unit Load Capacity (lbs)	Load Carrying Platform			Base		Shaft Length (C)
		Length (L)	Width (W)	Min Ht (H)	Width (A)	Length (B)	
60	200	25½"-49½"	18" -60"	18"	W+ 23"	L+ 36 ⅛"	L+ 23 ⅞"
80	600	34" -102"	24" -84"	24"	W+ 30 ⅞"	L+ 50 ⅜"	L+ 35"
100	1000	42½" -105"	30" -96"	28"	W+ 39 ⅞"	L+ 56 ⅜"	L+ 37 ⅜"
120	2500	45" -108"	36" -96"	28"	W+ 44"	L+ 59 ½"	L+ 40 ⅜"
160	4000	51"-96"	36" -96"	30"	W+ 48 ⅜"	L+ 61 ⅜"	L+ 41 ⅜"
180	6000	52" -96"	36" -96"	36"	W +55"	L+ 83"	L+62"

Chain Speed Up to 120 FPM
 Rate Up to 35 loads/min.
 Lift Height Up to 80 ft.
 Controls Programmable controllers or relay logic



BASE (View 'A-A')



SIDE VIEW

How Vertical Conveyors Increase Plant Efficiency

- Provide multi-level transportation in minimum space - product travels straight up and down, no incline required.
- Cut floor space requirements up to 90%
- Utilize vacant space above the floor level. Ideal for operations that are automatic or require little or no supervision.
- Open up mezzanines and balconies to more effective use.
- Transport up and over machinery, aisles or other obstacles ... avoid expensive production changes.
- Clear floor areas for more efficient flow of fork lifts, pedestrian traffic, etc.
- Provide a high degree of flexibility in plant layout.

Call Us for a Quote

Information Required for Quote:

1. Description of products including size, weight, and contact surface
2. Maximum handling rate (quantity per minute)
3. Infeed and discharge elevations
4. Plant electrical requirements
5. Special conditions i.e. extreme temperature, moisture, etc.
6. Direction of travel (up, down, reversible)



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