

# Application Data Sheet

## Transvair® Aero-Mechanical Conveyor

### Customer Information

Company: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Phone: \_\_\_\_\_

### Material Information

Materials: \_\_\_\_\_  
 Bulk Densities: \_\_\_\_\_ lbs/ft<sup>3</sup>  
 Particle Size: \_\_\_\_\_  
 Material Flowability: \_\_\_\_\_  
☐ Hygroscopic ☐ Abrasive ☐ Hazardous ☐ Friable  
☐ Toxic ☐ Corrosive ☐ Heat Sensitive ☐ Cohesive  
 Is the material combustible? If so please fill out the information below.  
 KST: \_\_\_\_\_  
 Pmax: \_\_\_\_\_

### Construction Requirements

Material of Construction:  
 Tubes, sprockets, and shafts are 304 S/S.  
 Housings: ☐ 304 S/S ☐ 316 S/S ☐ Aluminum  
 Rope Options: ☐ Galvanized ☐ 304 S/S ☐ Nylon Coated  
 Disc Options: ☐ Polyurethane ☐ Nylon ☐ Static Dissipating  
 Are there any special finish requirements, polish, or coating, etc.? If so, please list:  
 \_\_\_\_\_

### Electrical Requirements

Motor Enclosure:  
☐ TEFC  
☐ Explosion Proof  
 Class: \_\_\_\_\_ Division: \_\_\_\_\_ Groups: \_\_\_\_\_  
 Motor Voltage:  
☐ 230/460 VAC 3PH 60HZ ☐ Other  
 VFD Rated?: ☐ Yes ☐ No  
 Control Voltage: ☐ 24 VDC ☐ Other: \_\_\_\_\_  
 Control Panel Required? ☐ Yes ☐ No  
 Control Panel/Electrical Enclosure:  
☐ NEMA 4 ☐ NEMA 7/9 ☐ NEMA 12 ☐ Other: \_\_\_\_\_  
 Hazardous Location:  
 Class: \_\_\_\_\_ Division: \_\_\_\_\_ Groups: \_\_\_\_\_

### Application Information

Inlet of Conveyor - What is feeding material to the conveyor?: \_\_\_\_\_  
 Discharge of Conveyor - What is the conveyor discharging material into?: \_\_\_\_\_  
 Process Temperature: \_\_\_\_\_ °F  
 Required Convey Capacity: \_\_\_\_\_ lbs/hr

### Applicational Optional Features

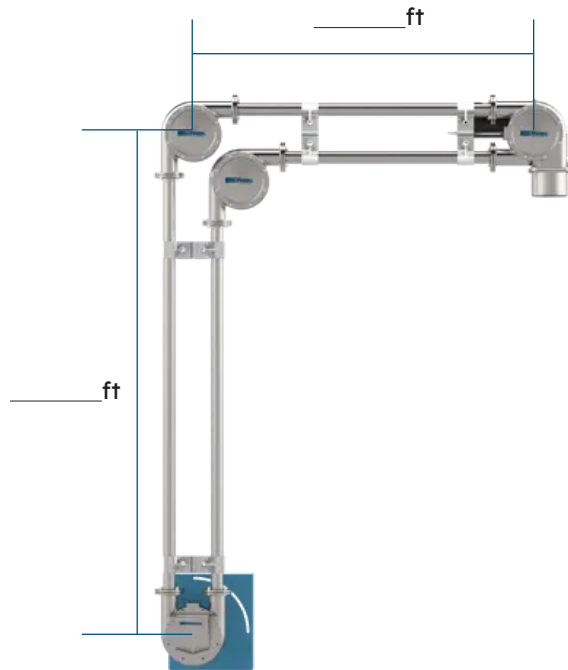
☐ Inlet Hopper  
☐ Inlet Gate Valve To Start/Stop Product Flow  
☐ Water Wash-Down and Drain Connections  
☐ Portable Base With Casters  
☐ Seal Purge for Bearing Housing  
☐ Air Purge on Cover Plates  
☐ TransFlow® Lined Housings (Only in S/S Housings)

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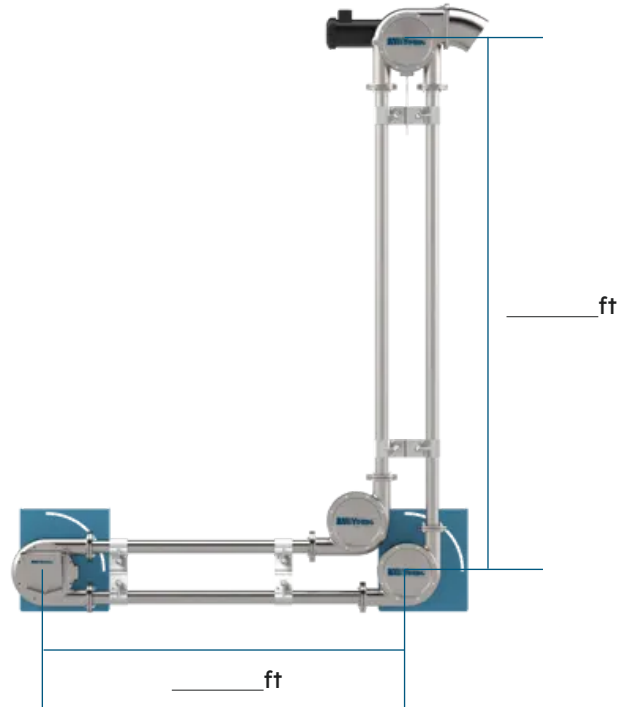
## Transvair<sup>®</sup> Aero-Mechanical Conveyor

### Additional Information

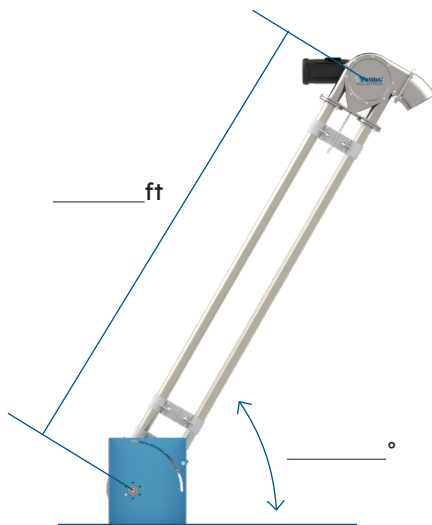
▼ Model VH Transvair<sup>®</sup> Mechanical Conveyor



▼ Model HV Transvair<sup>®</sup> Mechanical Conveyor



▼ Model SL Transvair<sup>®</sup> Mechanical Conveyor



Young Industries Transvair<sup>®</sup> Mechanical Conveyor Systems are available in 3" and 4" tube sizes. We will select the proper size based on the design conditions you specify. If you have a size preference please let us know and we will be happy to quote. The Transvair<sup>®</sup> Mechanical Conveyors are used on many systems to transport powders from Bag Dumping hoppers and Bulk Bag Unloading Equipment. Young Industries offers a complete line of Bag Dump Stations and Bulk Bag Unloading Systems which can be supplied with the conveyor.



## Transvair® Aero-Mechanical Conveyor

## This image shows a full page of blank graph paper. The background is a very light gray. Overlaid on this is a precise grid of thin, dark blue horizontal and vertical lines. These lines intersect to form a series of small, identical squares across the entire surface of the page. There are no margins, text, or other markings present.