

## **V-Trough Belt Conveyor**

BCST-VTR

### **STANDARD EQUIPMENT:**

#### **Belt:**

Black Trackmate 120 EMB with carded clipper lace (Other belt/splice types available)

#### **Belt Widths:**

18 in. to 36 in. in full one inch increments (Other widths available upon request)

#### **Bed:**

7 ga formed pan (slider) or 2 1/2" diameter rollers on 6" centers with center rail (Cross or "X" roller bed also available)

#### **Frame:**

7 ga. painted steel channel frames. Standard 5 ft. and 10 ft. long welded sections with welded-in end couplers. Depth is dependent on trough angle required

#### **Trough Angles:**

5°, 10° and 15° (other angles available up to 15° max)

#### **Floor Supports:**

4 in. structural legs with 4 in. of adjustment. Available up to 89 in. top of belt. One support at every bed joint and at the ends of the conveyor

#### **Drive pulley:**

Minimum 8 in. diameter with 1 7/16 in. diameter shaft, crowned and fully lagged (based on HP/Load information)

#### **Tail/Take-up Pulley:**

Minimum 6 in. diameter with 1 3/16 in. diameter shaft, crowned (based on HP/Load information)

#### **Snub Roller:**

2 1/2 in. diameter or 3 1/2 in. diameter with grease packed bearings (adjustable)

#### **Return Roller:**

1.9 in. diameter with grease packed bearings

#### **Take-Up:**

Provides belt take-up at tail pulley to allow for future belt stretch

#### **Bearings:**

Sealed, pre-lubricated, self-aligning ball bearings on drive and tail/take-up pulleys

**Conveyor Speed:**

Constant 30 FPM (other speeds available on request)

**Speed Reduction:**

Sealed worm gear "C" face flanged speed reducer

**Motor:**

230/460 V - 3 phase - 60 Hz - totally enclosed fan cooled

**Electrical Controls:**

Available upon request

**Frame Capacity:**

Maximum load per linear foot with legs on 10 ft. centers = 620 lbs.