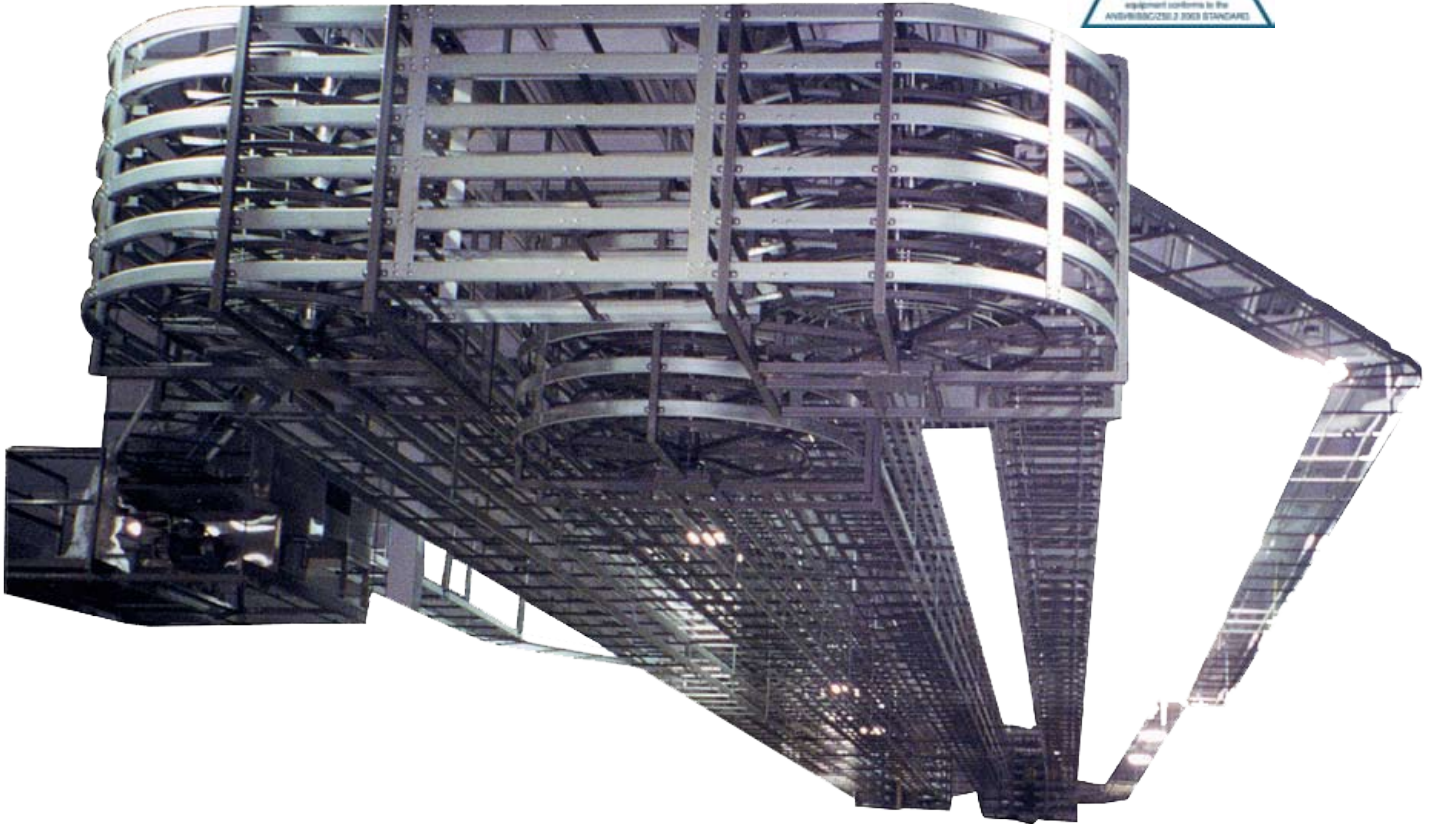


# AMF

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## RACETRACK COOLER



- **Endless Coolers are Designed for High Operating Efficiency at Minimum Power Requirements**
- **Design Options Allow Most Efficient Use of Available Plant Space**

## RACETRACK COOLER

### FEATURES & BENEFITS

#### Heavy Duty Construction

- Quality materials and components assure high performance, minimum maintenance, and longevity

#### Standard Frame

- Constructed of extruded aluminum

#### Trouble Free Installation

- Modular drive, take-up, infeed conveyor, and discharge conveyor allow fast installation and start-up

#### Easily Accessible Controls

- Electrical controls are mounted for easy access and accurate operation

#### Combination Lines

- Dual outfeed for combination lines (bread and buns)

### MECHANICAL FEATURES

#### New Sprocket Design

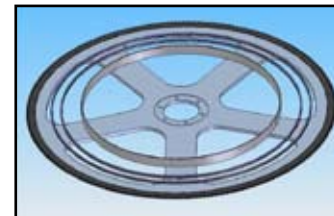
- Reduced maintenance cost and downtime
- Bolt-on tooth segments allow for tooth only replacement if necessary

#### New Idler Wheel Design

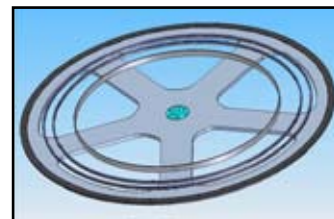
- Reduced maintenance cost and downtime
- Bolt-on outside ring segments allow for ring only replacement if necessary

#### New Bolted Frame

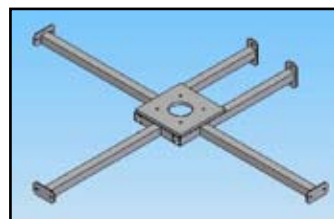
- All units (drive, 90° and 180° turns) have bolted frames
- Shaft and disk can be changed quicker eliminating need to take the entire unit down to replace the shaft and disk. Bottom frame section can be unbolted to slide shaft and disk out.



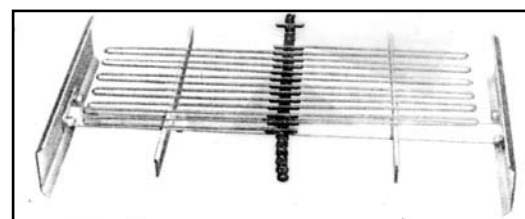
*Sprocket Design*



*Idler Wheel Design*



*Bolted Frame*



*Cross Section Detail*

- Exclusive "T" assembly
- Anchors belt grid securely to a #60 HP chain
- Safety interlock, independent take-up sections protect each tier from belt damage
- Cooler belting rides on two low friction rails for even, continuous support with minimum friction
- Turning unit (90° and 180°) available in friction turn or disk turn
- Cleaning brushes
- Sealed bearings

## ELECTRICAL FEATURES

- NEMA 12 painted steel electrical enclosure
- Allen Bradley main door mounted disconnect switch
- Allen Bradley bulletin 140 motor protector
- Allen Bradley bulletin 100 motor starter (IEC rated)
- Variable frequency controller (1) for cooler main drive
- Allen Bradley model SLC 5/03 modular hardware programmable logic controller
- Allen Bradley PanelView 550 keypad monochrome operator interface with alarm history
- Cooling time indicator
- Cooler main drive amperage indication
- Air conditioning unit
- Product accumulation and damaged belt safeties
- Individual tier safety switches
- Main drive overload protection

## OPTIONS

- Oil mist lubrication
- Belt washer for continuous or down time belt cleaning. Available with air operated doors.
- Full length vinyl under guards for safety or sanitation
- Infeed and outfeed conveying systems and controls
- Dual outfeed for combination lines
- Intralox plastic belt or Polyteck belt
- Catwalks for maintenance
- High or low density lifting brushes



*Cooler Infeed  
Intralox Plastic Belt Shown*



*Cooler Outfeed  
Intralox Plastic Belt Shown*

## SPECIFICATIONS

### Electrical Requirements:

PLC I/O Voltage: 24VDC in/120VAC out

### Air Requirements:

1.68 SCFM @ 80 PSIG

Single motor drive: 25 to 120 F.P.M.

### Available Configurations:

Length: Up to 600 ft. (183 m)/tier

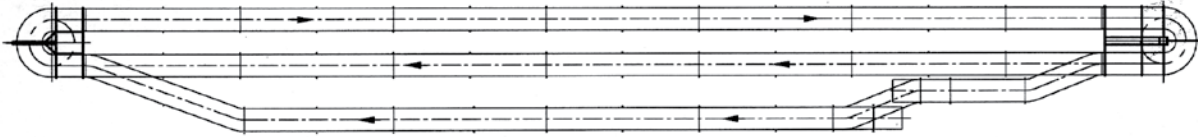
Belt Width: 18" to 33" (457 mm to 838 mm)

Tier Spacing: 8", 9", or 10" (203 mm, 229 mm, or 254 mm)

## RACETRACK COOLER

### DIMENSIONAL DRAWING

RACE TRACK COOLER



'U' DESIGN



'L' DESIGN



'W' DESIGN



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