

Cloudy & Britton IQF Freezer Tunnel - 12,000 lbs/hour

Mfg: Cloudy & Britton

Model:

Stock No: MBWA01.500

Serial No:

Cloudy & Britton, Inc. IQF Freezer Tunnel. Freezer model 48N10. Installed 2001 and was operated only 3 months each year. Previous applications were 10,000 to 12,000 lbs/hr raspberries and 9,000 lbs/hr blueberries. Berries were pre-chilled to 30-33°F with nitrogen prior to entering this IQF tunnel (pre-crusted). Refrigerant: R-22 freon, 140TR. Belt width: 48 inches. Initial plastic belt: 30 feet long with (5) thumpers. Stainless steel belt length: 40 feet. Unit operates with high velocity low-temp air circulated with (10) evaporator coil fan units. Evaporator coils are galvanized steel arranged for top-feed pump recirculated freon. Fan motors: 7.5 HP. Variable stage defrost. Belt thumpers on first belt to prevent clumping. Belt washer-dryer. Insulated box has seven access doors. Spare plastic belt available. Control panel for the tunnel/fan controls. Overall tunnel dimensions: 45 ft. L x 11 ft. W x 11 ft. H.

Designed Specifications:

- 10,000-12,000 pounds of raspberries per hour
- Water Content at 80%
- +35°F input
- +0°F output
- Prechilled before entering, nitrogen to 35°F
- 25% of heat load taken out of product before entering mechanical freezer
- Based on the above specifications, refrigeration tonnage required at -35°F is 140TR.









