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## KAESER Refrigeration Secotec Dryer Model: TF203

### Pressures and temperatures

Cooling method	XXX
Flow rate @ 100 psig	720 scfm
Inlet air pressure	100 psig
Inlet air temperature	100 ° F
Maximum working pressure	230 psig
Ambient temperature range	40 -110° F
Pressure dew point	38° F
Refrigerant compressor horsepower	3.8 hp
Refrigerant	R 134a
Power supply (voltage)	460v/3ph/60Hz

### Connections

- Compressed air- inlet connection	3" NPT
- Compressed air- outlet discharge connection	3" NPT
- Drain connection	1/4" NPT

### Dimensions and weight

- Dimensions in inches (L x W x H )	70 x 41.375 x 83 inches
- Weight	1873.9 lbs.
- Noise level	<70 dB(A)



### **Scope of supply**

- TF 173 Secotec cycling refrigerated air dryer is designed for the performance specified herein. It includes the following standard features and accessories.

### **Refrigeration System**

- Secotec cycling control system with a solid media (silica/quartz sand) serving as cold storage for efficient refrigerant compressor operation
- Refrigeration is controlled via a simple capillary tube and therefore requires no adjustment.
- Temperature sensor embedded in the thermal storage cycles compressor and fan off and on to match demand and maintain outlet dew point
- All models use environmentally friendly R 134a refrigerant
- Available with air-cooled or water-cooled condensing sections.

### **Construction**

- Epoxy powder coated cabinet and base with removable panels for easy service access
- Reliable, twin, stainless steel multistage separators and twin electronically level controlled no air loss Eco-Drains with a failure to discharge condensate alarm, function test button and LED status indicator
- Differential pressure at full rated conditions less than 3 psi

### **Heat Exchangers**

- Air to air heat exchanger is aluminum plate type having generously sized flow cross-sections which reduce the possibility of fouling and minimize pressure drop.
- Air - to refrigerant heat exchanger with thermal storage medium is constructed of smooth copper tubes with mechanically bonded aluminum fins. Generous cross-sectional area reduces the possibility of fouling and minimizes pressure drop.
- Heat exchangers are fully encapsulated in non-degrading rigid polystyrene insulation to retain maximum energy efficiency while minimizing the potential of cooling media temperature degradation. All cold surfaces of the air and refrigeration circuits are insulated to prevent external condensation.

### **Control panel**

- Easy view control panel includes dew point indicator, lockable on/off switch.
- LEDs for power on, compressor running, high dew point and drain failure
- Two operating hour meters are supplied: total time of power to dryer and total compressor run time
- UL approved, industrial quality control cabinet protects internals from water spray and dust intrusion