

## Compressed Air Dryers

# High Temperature Refrigerated Dryer

### Dryer, Filter, and Drain in One Compact Package

Kaeser's High Temperature Refrigerated Dryers (HTRD) are specifically designed for use with 5-25 hp piston compressors, although they will work well with any similar sized compressor producing high discharge temperatures. The HTRD contains an aftercooler, refrigeration unit, filtered separator, and drain to remove moisture and contaminants to a level suitable for most shop tools. This greatly increases tool life, reducing maintenance

and downtime. For paint spraying applications, we strongly recommend also using a KOR model coalescing filter.

### Easy to Install

The HTRD dryer features a compact design that requires little floor space and allows for convenient installation. Staggered inlet/outlet connections make piping easy. Simply make pipe connections and plug in the electrical cord to

a 120V or 230V (depending on model), 1-phase outlet and the unit is ready for operation.

### Easy to Use and Maintain

The dryer operates continuously without adjustments. Replacing the filter sleeve is simple and cleaning the refrigeration condenser filter and inlet strainer is easy.



### Standard Features:

- Built to handle high inlet temperatures to 180°F
- Stainless steel, plate-type heat exchangers are compact, durable, and efficient
- Integral filter helps remove moisture, hydrocarbons, and solid particles
- Condensate drain automatically discharges liquid from dryer without air loss
- Automatic refrigeration temperature control system maintains precise chilled air temperature
- Hermetic refrigeration compressor requires no maintenance or adjustments
- Cool air exiting from the evaporator is reheated to save energy and prevent pipe sweating

*All dryers are CSA certified, CFC free, and use environmentally friendly R407c refrigerant.*

*Five-year warranty on heat exchanger.*

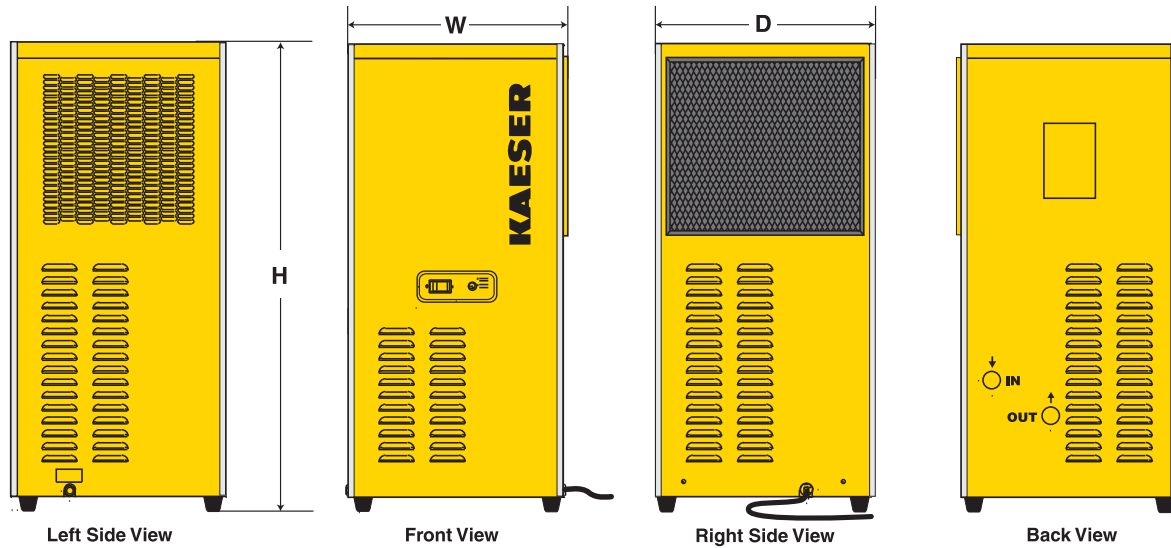
*Two-year warranty on refrigeration system.*

# Technical Specifications

Model	Flow Rate* @ 175 psig (scfm)	Flow Rate* @ 150 psig (scfm)	Flow Rate* @ 125 psig (scfm)	Flow Rate* @ 100 psig (scfm)	Power Supply (V / Ph / Hz)	Inlet / Outlet Connection (in.)	Dimensions W x D x H (in.)	Weight (lb.)
HTRD 20	23	22	20	18	115 / 1 / 60	1/2	10 <sup>1</sup> / <sub>8</sub> x 12 <sup>7</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>4</sub>	79
HTRD 25	29	27	25	23				80
HTRD 35	41	38	35	32		81		
HTRD 50	58	54	50	45		150		
HTRD 75	87	81	75	68	230 / 1 / 60	3/4	16 <sup>7</sup> / <sub>8</sub> x 16 <sup>7</sup> / <sub>8</sub> x 36 <sup>3</sup> / <sub>4</sub>	155
HTRD 100	116	108	100	91		187		
HTRD 125	145	135	125	114		189		

(\* ) **Rated capacity:** Based on compressed air at 180°F and saturated at 160°F, 50°F outlet pressure dew point and operation in a 95°F ambient.

- Maximum Inlet Temperature: 180°F
- Maximum / minimum ambient air temperature: 110/40°F
- Maximum allowable working pressure: 250 psig



Specifications are subject to change without notice.



**Built for a lifetime.™**

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