



DRYER DATA SHEET

Doc. No.: TI.IDS-123		KAESER SECOTEC™ REFRIGERATED CYCLING DRYERS			Date: 01/09/2023
Version: 1.2		TD.2 SERIES			Page: 1 of 1
MODEL	TD 52	TD 67	TD 73	TD 94	
I. MINIMUM-MAXIMUM OPERATING CONDITIONS					
Maximum inlet air pressure (compressed air at inlet to dryer) [psig]	230	230	230	230	
Maximum inlet air temperature (compressed air at inlet to dryer) [°F]	140	140	140	140	
Min-Max ambient temperature [°F]	Air-cooled 38-120		38-120	38-120	38-120
Nominal pressure drop at rated flow [psid]	1.5	1.2	1.9	1.2	
Rated dew point* [°F]	42	38	42	41	
Rated capacity* [scfm**]	162	212	244	279	
II. REFRIGERATION SYSTEM DATA					
BTU/HR - Refrigeration (TD52-73: ASHRAE, TD94: ARI 540 HAT)	8470	11680	11680	10370	
Refrigeration compressor horsepower	1.15	1.49	1.49	1.6	
Refrigerant type	R-513A	R-513A	R-513A	R-513A	
Refrigerant charge [lb]	1.6	1.8	1.8	2.1	
Air flow across condenser [cfm]	1392	1392	1392	1392	
III. ELECTRICAL DATA					
Nominal Voltage	230V/1/60	230V/1/60	230V/1/60	230V/1/60	
Min-Max voltage	207-253	207-253	207-253	207-253	
Amperage Draw	Total Full Load Amps	5.6	7.3	7.3	8.5
	Compressor Full Load Amps	5	6.7	6.7	7.9
	Compressor Locked Rotor Amps	21	30	30	51
Unit Protection fuse size [amps]	15	15	15	15	
Supply Cable (not included)	14 AWG	14 AWG	14 AWG	14 AWG	
Power Consumption according to ISO 7183 Option A2 [kW]	0.91	1.17	1.11	1.28	
IV. GENERAL INFORMATION					
Envelope dimensions - W x D x H [in]	32 1/4 x 23 1/8 x 61 1/8	32 1/4 x 23 1/8 x 61 1/8	32 1/4 x 23 1/8 x 61 1/8	32 1/4 x 23 1/8 x 61 7/8	
Weight [lb]	291	304	304	333	
Noise level measured in dB(A) at 1 m (approx. 40 in) ***	57	57	57	57	
Control Cabinet Class [NEMA]	12	12	12	12	
Air inlet/outlet connections	1 1/2 NPT	1 1/2 NPT	1 1/2 NPT	2 NPT	
Drain connection [in]	1/4 NPT	1/4 NPT	1/4 NPT	1/4 NPT	
V. SERVICE/AIRFLOW CLEARANCES¹ (inches)					
<p>¹If Clearances cannot be met, please consult factory.</p> <p>Cooling airflow: "A" = inlet "B" = outlet</p>					
<p>* Rated conditions = inlet air pressure of 100 psig, inlet air temperature of 100°F, 100% Relative Humidity, and max. ambient temperature of 100°F</p> <p>** SCFM = Standard Cubic Foot per Minute at 68°F, 0% Relative Humidity, and 14.5 psia</p> <p>*** Sound pressure level as per EN ISO 11203 and the basic standard ISO 9614-2</p> <p>Note: See Service Manual for complete details</p>					