



DRYER DATA SHEET

Doc. No.: TI.IDS-120	KAESER SECOTEC™ REFRIGERATED CYCLING DRYERS			Date: 01/09/2023
Version: 2.3	TA SERIES			Page: 1 of 1
MODEL	TA 5	TA 8	TA 11	
I. MINIMUM-MAXIMUM OPERATING CONDITIONS				
Maximum inlet air pressure (compressed air at inlet to dryer) [psig]	232	232	232	
Maximum inlet air temperature (compressed air at inlet to dryer) [°F]	130	130	130	
Min-Max ambient temperature [°F]	Air-cooled 38-110			
Nominal pressure drop at rated flow [psid]	0.8	1.8	2.3	
Rated dew point* [°F]	46	46	46	
Rated capacity* [scfm**]	20	30	45	
II. REFRIGERATION SYSTEM DATA				
BTU/HR - Refrigeration ASHRAE	1830	2200	3465	
Refrigeration compressor horsepower	0.36	0.44	0.60	
Outlet air temperature (nominal at rated conditions) [°F]	52	79	77	
Refrigerant type	R-513A	R-513A	R-513A	
Refrigerant charge [lb]	0.7	0.5	0.9	
Air flow across condenser [cfm]	360	360	360	
III. ELECTRICAL DATA				
Nominal Voltage	115V/1/60	115V/1/60	115V/1/60	
Min-Max voltage	103V-127V	103V - 127V	103V - 127V	
Amperage Draw	Total Full Load Amps	4.5	5.2	6.3
	Compressor Full Load Amps	4.1	4.6	5.7
	Compressor Locked Rotor Amps	17	24	27.5
Unit Protection fuse size [amps]	15	15	15	
Branch circuit fuse size [amps]	0.8	0.8	0.8	
Supply Cable (included)	3x14 AWG	3x14 AWG	3x14 AWG	
Max Power consumption [kW]	0.40	0.48	0.56	
Power Consumption according to ISO 7183 Option A2 [kW]	0.31	0.37	0.47	
IV. GENERAL INFORMATION				
Envelope dimensions - W x D x H [in]	19 x 24-3/4 x 30-5/8	19 x 24-3/4 x 30-5/8	19 x 24-3/4 x 30-5/8	
Weight [lb]	154	176	187	
Noise level measured in dB(A) at 1 m (approx. 40 in) ***	< 70	< 70	< 70	
Control Cabinet Class [NEMA]	12	12	12	
Air inlet/outlet connections	3/4 NPT	3/4 NPT	3/4 NPT	
Drain connection [in]	1/4	1/4	1/4	
V. SERVICE/AIRFLOW CLEARANCES' (inches)				
<p>*If 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>				