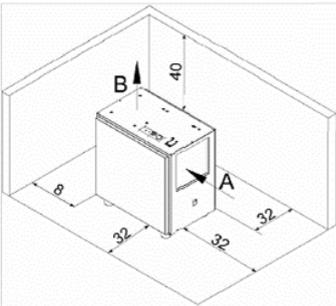




DRYER DATA SHEET

Doc. No.: TI.IDS-123		KAESER SECOTEC™ REFRIGERATED CYCLING DRYERS				Date: 12/09/2020	
Version: 2.1		TD SERIES				Page: 1 of 1	
MODEL		TD51		TD61		TD76	
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]		38-110		38-110		38-110	
Nominal pressure drop at rated flow [psid]		1.5		1.5		1.5	
Rated dew point* [°F]		39		39		39	
Rated capacity* [scfm**]		200		240		285	
II. REFRIGERATION SYSTEM DATA							
BTU/HR - Refrigeration ASHRAE		11870		12960		16980	
Outlet air temperature (nominal at rated conditions) [°F]		81		80		80	
Refrigerant type		R-513A		R-513A		R-513A	
Refrigerant charge [lb]		3.2		3.7		3.4	
Air flow across condenser [cfm]		1950		1950		1880	
III. ELECTRICAL DATA							
Nominal Voltage		230V/3/60		460/3/60		230V/3/60	
Min-Max voltage		207V-253V		414V-506V		207V-253V	
Amperage Draw		6.0		2.6		6.7	
Total Full Load Amps		6.7		3.3		8.0	
Compressor Full Load Amps		5.0		2.1		5.7	
Compressor Locked Rotor Amps		40		14.5		58	
Unit Protection fuse size [amps]		10		10		10	
Branch circuit fuse size [amps]		1		1		1	
Max Power consumption [kW]		1.6		2.1		2.6	
Power Consumption according to ISO 7183 Option A2 [kW]		1.4		1.7		2.1	
2.3							
IV. GENERAL INFORMATION							
Envelope dimensions - W x D x H [in]		29-7/8 x 45-1/2 x 46-3/4		29-7/8 x 45-1/2 x 46-3/4		29-7/8 x 45-1/2 x 46-3/4	
Weight [lb]		553		553		633	
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		1 1/2 NPT		1 1/2 NPT		2 NPT	
Drain connection [in]		1/4		1/4		1/4	
V. SERVICE/AIRFLOW CLEARANCES¹ (inches)							
<p>¹If Clearances cannot be met, please consult factory.</p> <p>Cooling airflow: "A" = inlet "B" = outlet</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

** SCFM = Standard Cubic Foot per Minute at 68°F, 0% Relative Humidity, and 14.5 psia

*** Sound pressure level as per EN ISO 11203 and the basic standard ISO 9614-2

Note: See Service Manual for complete details