



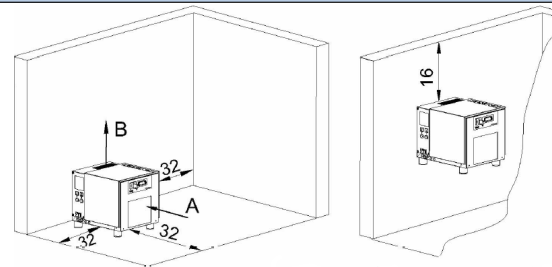
# DRYER DATA SHEET

Doc. No.: TI.IDS-125	<b>KAESER KRYOSEC SERIES REFRIGERATED NON-CYCLING DRYERS</b>	Date: 01/09/2023
Version: 1.6	<b>TAH SERIES with Hot Gas Bypass</b>	

MODEL	TAH 5		TAH 7		TAH 10	
<b>I. MINIMUM-MAXIMUM OPERATING CONDITIONS</b>						
Maximum inlet air pressure (compressed air at inlet to dryer)	230		230		230	
Maximum inlet air temperature (compressed air at inlet to dryer)	134		134		134	
Min-Max ambient temperature [°F]	Air-cooled 38 - 122		38 - 122		38 - 122	
Nominal pressure drop at rated flow [psid]	0.7		1.9		2.2	
Rated dew point* [°F]	43		43		43	
Rated capacity* [scfm**]	12		20		28	
<b>II. REFRIGERATION SYSTEM DATA</b>						
Refrigeration compressor horsepower	0.19	0.26	0.3	0.26	0.3	0.39
BTU/HR - Refrigeration ASHRAE	960	1285	1462	1285	1462	1830
Outlet air temperature (nominal at rated conditions)[°F]	86		86		86	
Refrigerant type	R-513A		R-513A		R-513A	
Refrigerant charge [lb]	0.33	0.31	0.33	0.33	0.42	0.46
Air flow across condenser [cfm]	150		194		265	
<b>III. ELECTRICAL DATA</b>						
Min-Max voltage	104V - 126V	207V - 253V	104V - 126V	207V - 253V	104V - 126V	207V - 253V
Nominal Voltage	115V	230V	115V	230V	115V	230V
Amperage Draw	Total Full Load Amps		Total Full Load Amps		Total Full Load Amps	
	2.4	1.4	3.6	1.4	3.6	1.9
	Compressor Full Load Amps		Compressor Full Load Amps		Compressor Full Load Amps	
	1.9 A	1.14 A	2.88 A	1.23 A	2.9 A	1.64 A
	Compressor Locked Rotor Amps		Compressor Locked Rotor Amps		Compressor Locked Rotor Amps	
	13 A	7 A	18 A	7 A	18 A	10 A
Unit Protection fuse size [amps]	15		15		15	
Supply Cable	3x14 AWG	3x14 AWG	3x14 AWG	3x14 AWG	3x14 AWG	3x14 AWG
Max power consumption [kW]	0.22	0.25	0.33	0.26	0.33	0.34
Power Consumption according to ISO 7183 Option A2 [kW]	0.17	0.20	0.25	0.20	0.26	0.30
Resistance [ohms] compressor (main winding 68°F)	5.93	14.64	3.04	14.64	3.04	11.54
<b>IV. GENERAL INFORMATION</b>						
Envelope dimensions - W x D x H [in]	15 1/4 x 18 3/4 x 17 1/2		15 1/4 x 18 3/4 x 17 1/2		15 1/4 x 18 3/4 x 17 1/2	
Weight [lb]	53		53		57	
Noise level measured in dB(A) at 1 m (approx. 40 in)	<70		<70		<70	
Fan Motor Enclosure Type	ELCO		ELCO		ELCO	
Air inlet connection	1/2 NPT		1/2 NPT		1/2 NPT	
Air outlet connection	1/2 NPT		1/2 NPT		1/2 NPT	
Drain connection	1/4 NPT		1/4 NPT		1/4 NPT	
<b>V. SERVICE/AIRFLOW CLEARANCES* (inches)</b>						

\*If Clearances cannot be met, please consult factory.

Cooling airflow: "A" = inlet  
"B" = outlet



\* 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