



DRYER DATA SHEET

Doc. No.: TI.IDS-205

KAESER HEATLESS DESICCANT DRYERS

Date: 06/13/2022

Version: 1.1

KAD SERIES

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MODEL	40	60	90	115	165	260
I. MINIMUM-MAXIMUM OPERATING CONDITIONS						
Maximum inlet air pressure (compressed air at inlet to dryer) ¹ [psig]	150					
Maximum inlet air temperature (compressed air at inlet to dryer) ² [°F]	140					
Min-Max ambient temperature ³ [°F]	35 - 120					
Differential Pressure at Rated Capacity [psid]	0.3	0.5	1.1	1.0	2.0	1.0
Rated dew point [°F]	+38, -4, -40, -94					
Capacity at rated conditions ⁴ [scfm] -40°F	40	60	90	115	165	260
Average Purge flow rate at Rated Conditions [scfm]	Consult operations section of manual for average and maximum purge flow rates					
Maximum Purge flow rate at Rated Conditions [scfm]						
II. DESICCANT DATA						
Type	Activated Alumina					
Charge in each chamber [lbs]	26	40	55	105	105	159
Nominal Bead Size	1/8"					
Typical Service Life (Continuous Operation at rated capacity)	3-5 years 1-2 years					
-40°F PDP						
-94°F PDP						
III. ELECTRICAL DATA						
Power Supply	AC: 115/1/60-230/1/60 DC: 11.5-28V					
Nominal Power Consumption W	≤35					
Nominal Current A	≤1					
Control Circuit Fuse Rating A	1, slow blow					
Enclosure NEMA Rating	NEMA 4/4X					
IV. GENERAL INFORMATION						
Envelope dimensions - W x D x H [in] (dimensions do not include a filter package)	35 x 35 x 49	35 x 35 x 63	37 x 35 x 81	50 x 41 x 57	50 x 41 x 57	51 x 41 x 75
Total Weight [lbs]	365	445	575	685	685	1010
Air Connection [NPT]	1"	1"	1"	1"	1"	2"
Service Clearances [in]	24					
Front						
Back						
Sides	24					
Noise Level at Rated Conditions db(A)	85 as a time weighted average when measured in a free field at 3 feet from dryer					

Note: See Service Manual for complete details

- 250 MAWP Available
- Inlet temperatures higher than 100°F cause higher outlet PDP
- Low ambient available
- Rated conditions = inlet air pressure of 100 psig, inlet air temperature of 100°F, and max. ambient temperature of 100°F