



DRYER DATA SHEET

Doc. No.: TI.IDS-207	KAESER HEATLESS DESICCANT DRYERS						Date: 06/13/2022
Version: 1.1	KAD SERIES						Page: 1 of 1
MODEL	1130	1350	1550	2100	3000	4100	5400

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]	3.1	4.1	3.6	5.9	6.7	3.0	2.7
Rated dew point [°F]	+38, -4, -40, -94						
Capacity at rated conditions ⁴ [scfm] -40°F	1130	1350	1550	2100	3000	4100	5400
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]	710	923	1032	1260	1867	2699	3600
Nominal Bead Size	1/8"						
Typical Service Life (Continuous Operation at rated capacity)	3-5 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] <i>(dimensions do not include a filter package)</i>	66 x 59 x 115	68 x 59 x 120	74 x 59 x 117	82 x 59 x 119	86 x 67 x 125	100 x 88 x 124	105 x 89 x 124
Total Weight [lbs]	2875	3722	4167	4417	9010	9900	12000
Air Connection ASME/ANSI 16.5 150lb Raised Face Flange	3"	3"	4"	4"	4"	6"	6"
Service Clearance [in]	85 as a time weighted average when measured in a free field at 3 feet from dryer						
Front							
Back							
Sides							
Noise Level at Rated Conditions	db(A)						

Note: See Service Manual for complete details

1. 250 MAWP Available
2. Inlet temperatures higher than 100°F cause higher outlet PDP
3. Low ambient available
4. Rated conditions = inlet air pressure of 100 psig, inlet air temperature of 100°F, and max. ambient temperature of 100°F