



DRYER DATA SHEET

Doc. No.: TI.IDS-208		KAESER HEATED DESICCANT DRYERS			Date: 06/13/2022
Version: 1.1		KED SERIES			Page: 1 of 1
MODEL		300	400	500	600
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]		120			
Min-Max ambient temperature ³ [°F]		40 - 120			
Differential Pressure at Rated Capacity [psid]		3.7	4.1	2.7	3.6
Rated dew point [°F]		-4 or -40 with purge booster			
Capacity at rated conditions ⁴ [scfm]		300	400	500	600
Purge and cooling air flow rate at Rated Conditions [scfm]		21	28	35	42
II. DESICCANT DATA					
Type		Activated Alumina			
Desiccant Charge per tower					
1/8" [lbs]		210	354	354	453
1/4" [lbs]		0	0	0	0
1/2" Ceramic Tab [lbs]		0	0	0	0
Typical Service Life (Continuous Operation at rated capacity)		1-2 years			
III. ELECTRICAL DATA					
Power Supply V/Ph/Hz		460/3/60			
Heater Rated Capacity kW		5.0	7.0	7.0	8.0
Average Power Consumption at Dryer Rated Capacity [kW]		3.2	4.3	5.3	6.0
Control Circuit Fuse Rating A		1.25			
Full Load Amps at 460VAC		5.02	7.03	7.03	8.03
Suggested Fuse Size, Heater		10	15	15	15
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>		48 x 46 x 98	53 x 52 x 104	53 x 52 x 105	53 x 53 x 108
Total Weight [lbs]		1360	1776	1776	1978
Air Connection [NPT]		1 1/2"	1 1/2"	2"	2"
Service Clearance [in]					
Front		24			
Back		24			
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

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