



# DRYER DATA SHEET

Doc. No.: TLIDS-204  
Version: 1.1

KAESER HIGH TEMPERATURE REFRIGERATED DRYERS  
HTRD SERIES

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MODEL	HTRD 21	HTRD 26	HTRD 36	HTRD 51	HTRD 76	HTRD 126
<b>I. MINIMUM-MAXIMUM OPERATING CONDITIONS</b>						
Maximum inlet air pressure (compressed air at inlet to dryer) [psig]	227					
Maximum inlet air temperature (compressed air at inlet to dryer) [°F]	180					
Min-Max ambient temperature [°F] <span style="float:right">Air-cooled</span>	40-110					
Nominal pressure drop at rated flow [psid]	1.2	1.8	2.4	2.7	3.0	2.9
Rated dew point [°F]	+50					
Rated capacity* [scfm]	20	25	35	50	75	125
<b>II. REFRIGERATION SYSTEM DATA</b>						
BTU/HR - Refrigeration	4982		9724		12420	
Outlet air temperature (nominal at rated conditions) [°F]	158	157	156	157	158	160
Refrigerant type	R-134a			R-407C		
Refrigerant charge [lb]	See name plate					
Air flow across condenser [cfm]	705			1000		1707
<b>III. ELECTRICAL DATA</b>						
Nominal Voltage	115/1/60					230/1/60
Min-Max voltage	104-127					208-253
Amperage Draw <span style="float:right">Total Full Load Amps</span>	6.95		8.25		8.6	
<span style="float:right">Compressor Full Load Amps</span>	6.6		7.9		10.0	
<span style="float:right">Compressor Locked Rotor Amps</span>	33.8		42		56	
Unit Protection fuse size [amps]	15.1		18.1		18.5	
Max Power consumption [kW]	0.67	0.69	0.99	0.83	1.13	1.97
<b>IV. GENERAL INFORMATION</b>						
Envelope dimensions - W x D x H [in]	15 x 18 x 30			18 x 19 x 42		18 x 19 x 47
Weight [lb]	94		99		119	
Noise level measured in dB(A) at 1 m (approx. 40 in)**	NA					
Control Cabinet Class [NEMA]	NA					
Air inlet/outlet connections [MNPT]	3/4			1		
Service/Air Flow Clearances [in]						
<span style="float:right">Front</span>	24					
<span style="float:right">Back</span>	24					
<span style="float:right">Sides</span>	24					
Drain connection [in]	1/8-NPT(F)					

\* Rated conditions = inlet air pressure of 125 psig, inlet air temperature of 180°F, and max. ambient temperature of 95°F

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

Note: See Service Manual for complete details