

# HMD Series Specifications

**Inlet/Outlet Flow Capacities** scfm (nm<sup>3</sup>/h)] @ 100 psig (kg/cm<sup>2</sup>)<sup>3</sup>

	INLET TEMP		FLOW	OUTLET PRESSURE DEW POINT					
				50°F	40°F	20°F	0°F	-20°F	-40°F
	°F	°C	10°C	4.4°C	-6.7°C	-17.8°C	-29°C	-40°C	
HMD20-1	40	4.4	In				1.57	1.13	0.85
			Out				1.36	0.92	0.64
	60	16	In			1.73	1.24	0.94	0.72
			Out			1.52	1.03	0.73	0.51
	80	27	In		1.88	1.37	1.04	0.81	0.63
			Out		1.67	1.16	0.83	0.60	0.42
	100	38	In	1.70	1.48	1.14	0.89	0.70	0.55
			Out	1.49	1.27	0.93	0.68	0.49	0.34
	120	49	In	1.39	1.24	0.99	0.79	0.62	0.49
			Out	1.18	1.03	0.78	0.58	0.41	0.28
	150	66	In	1.11	1.01	0.82	0.67	0.53	0.43
			Out	0.90	0.80	0.61	0.46	0.32	0.22
HMD20-2	40	4.4	In				6.04	4.32	3.22
			Out				5.22	3.50	2.40
	60	16	In			6.68	4.76	3.58	2.73
			Out			5.86	3.94	2.76	1.91
	80	27	In		7.27	5.24	3.96	3.05	2.36
			Out		6.45	4.42	3.14	2.23	1.54
	100	38	In	6.55	5.69	4.37	3.40	2.66	2.08
			Out	5.73	4.87	3.55	2.58	1.84	1.26
	120	49	In	5.33	4.76	3.77	2.98	2.36	1.86
			Out	4.51	3.94	2.95	2.16	1.54	1.04
	150	66	In	4.25	3.86	3.13	2.51	2.01	1.60
			Out	3.43	3.04	2.31	1.69	1.19	0.78
HMD20-3	40	4.4	In				9.51	7.17	5.62
			Out				8.31	5.97	4.42
	60	16	In			10.36	7.78	6.14	4.90
			Out			9.16	6.58	4.94	3.70
	80	27	In		11.17	8.43	6.67	5.39	4.35
			Out		9.97	7.23	5.47	4.19	3.15
	100	38	In	10.19	9.04	7.24	5.88	4.81	3.92
			Out	8.99	7.84	6.04	4.68	3.61	2.72
	120	49	In	8.55	7.77	6.40	5.28	4.35	3.57
			Out	7.35	6.57	5.20	4.08	3.15	2.37
	150	66	In	7.08	6.53	5.49	4.59	3.81	3.15
			Out	5.88	5.33	4.29	3.39	2.61	1.95

1 Use inlet air temperature if the air entering the dryer has not been dried upstream (air is saturated). If air has been dried. (e.g. in a refrigerated dryer) use the dew point temperature of the inlet air.

2 Models HMD20-7, 8, and 9 for higher flows are available. Model HMD20-7 is three HMD20-5s piped in parallel. Multiply flows found in HMD20-5 table by 3 to determine capacity.

Model HMD20-8 is two HMD20-6s, and HMD20-9 is three HMD20-6s piped in parallel. Multiply flows in HMD20-6 table by 2 or 3 to find flow capacity.

3 Flow capacities at 100 psig (7 kg/cm<sup>2</sup>). For capacities at other pressures consult factory. Capacities are established in accordance with CAGI (Compressed Air and Gas Institute) Standard ADF 700: Membrane Compressed Air Dryers - Methods for Testing and Rating.