HMD Series Specifications

Inlet/Outlet Flow Capacities scfm (nm³/h)] @ 100 psig (kg/cm²)³

TRETTEMP FLOW SOF 40°F 20°F 0°F -20°F -40°F				OUTLET PRESSURE DEW POINT						
100 16 16 17 17 18 18 18 18 18 18		INLET	TEMP	FLOW	50°F	40°F	20°F	0°F	-20°F	-40°F
100 16		°F	°C		10°C	4.4°C	-6.7°C	-17.8°C	-29°C	-40°C
FORT	HMD20-4	40	4.4	In				20.5	15.9	12.8
Table 16			4.4	Out				18.0	13.4	10.3
Not 19.7 14.6 11.3 8.8		60	16	In			22.2	17.1	13.8	11.3
The image			16	Out			19.7	14.6	11.3	8.8
Out 21.3 15.8 12.4 9.8 7.7		80	07	In		23.8	18.3	14.9	12.3	10.2
120 49			27	Out		21.3	15.8	12.4	9.8	7.7
120 49		100	38	In	21.8	19.5	16.0	13.3	11.1	9.3
120 49				Out	19.3	17.0	13.5	10.8	8.6	6.8
Out 16.1 14.5 11.8 9.6 7.7 6.1 150 66 In 15.7 14.6 12.5 10.7 9.1 7.7 40 4.4 Out 13.2 12.1 10.0 8.2 6.6 5.2 40 4.4 Out 29.8 22 16.7 60 16 Out 36.9 28.2 22.6 18.4 60 16 Out 32.7 24 18.4 14.2 80 27 In 39.7 30.4 24.5 20.1 16.5 0ut 35.5 26.2 20.3 15.9 12.3 100 38 In 36.3 32.4 26.4 21.8 18.1 15 120 49 In 30.8 28.2 22.2 17.6 13.9 10.8 150 66 In 30.8 28.2 23.6 19.7 16.5 13.7		100	49	In	18.6	17.0	14.3	12.1	10.2	8.6
150 66 Out 13.2 12.1 10.0 8.2 6.6 5.2		120		Out	16.1	14.5	11.8	9.6	7.7	6.1
Out 13.2 12.1 10.0 8.2 6.6 5.2 10		150	66	In	15.7	14.6	12.5	10.7	9.1	7.7
100 16 16 16 16 16 16 16		150	00	Out	13.2	12.1	10.0	8.2	6.6	5.2
Out 10 10 10 10 10 10 10 10 10 10 10 10 10	H M D 2 0 - 5		4.4	In				34	26.2	20.9
Mathematical Parison Figure 1 Figure 2 Figure 2		40		Out				29.8	22	16.7
Out 32.7 24 18.4 14.2 80 27 In 39.7 30.4 24.5 20.1 16.5 Out 35.5 26.2 20.3 15.9 12.3 100 38 In 36.3 32.4 26.4 21.8 18.1 15 100 38 Out 32.1 28.2 22.2 17.6 13.9 10.8 120 49 In 30.8 28.2 23.6 19.7 16.5 13.7 150 66 In 25.8 24 19.4 15.5 12.3 9.5 150 66 In 25.8 24 20.5 17.3 14.6 12.2 0ut 21.6 19.8 16.3 13.1 10.4 8		60	4.0	In			36.9	28.2	22.6	18.4
Per Principle 80 27 Out 35.5 26.2 20.3 15.9 12.3 100 38 In 36.3 32.4 26.4 21.8 18.1 15 120 49 Out 32.1 28.2 22.2 17.6 13.9 10.8 120 49 In 30.8 28.2 23.6 19.7 16.5 13.7 Out 26.6 24 19.4 15.5 12.3 9.5 150 66 In 25.8 24 20.5 17.3 14.6 12.2 Out 21.6 19.8 16.3 13.1 10.4 8 40 4.4 In 66.4 51 40.7			16	Out			32.7	24	18.4	14.2
Out 35.5 26.2 20.3 15.9 12.3 100		80	27	In		39.7	30.4	24.5	20.1	16.5
Out 32.1 28.2 22.2 17.6 13.9 10.8 120 49 In 30.8 28.2 23.6 19.7 16.5 13.7 Out 26.6 24 19.4 15.5 12.3 9.5 150 66 In 25.8 24 20.5 17.3 14.6 12.2 Out 21.6 19.8 16.3 13.1 10.4 8 In 66.4 51 40.7				Out		35.5	26.2	20.3	15.9	12.3
Out 32.1 28.2 22.2 17.6 13.9 10.8 120 49 In 30.8 28.2 23.6 19.7 16.5 13.7 Out 26.6 24 19.4 15.5 12.3 9.5 150 66 In 25.8 24 20.5 17.3 14.6 12.2 Out 21.6 19.8 16.3 13.1 10.4 8 In 66.4 51 40.7		100	38	In	36.3	32.4	26.4	21.8	18.1	15
120 49 Out 26.6 24 19.4 15.5 12.3 9.5 150 66 In 25.8 24 20.5 17.3 14.6 12.2 Out 21.6 19.8 16.3 13.1 10.4 8 In 66.4 51 40.7				Out	32.1	28.2	22.2	17.6	13.9	10.8
Out 26.6 24 19.4 15.5 12.3 9.5 In 25.8 24 20.5 17.3 14.6 12.2 Out 21.6 19.8 16.3 13.1 10.4 8 In 66.4 51 40.7		120	49	In	30.8	28.2	23.6	19.7	16.5	13.7
150 66 Out 21.6 19.8 16.3 13.1 10.4 8 In 66.4 51 40.7				Out	26.6	24	19.4	15.5	12.3	9.5
Out 21.6 19.8 16.3 13.1 10.4 8 In 66.4 51 40.7		150	66	In	25.8	24	20.5	17.3	14.6	12.2
40 4.4			- 0	Out	21.6	19.8	16.3	13.1	10.4	8
4U 4.4 Out 58.9 49.8 39.5	H M D 2 0 - 6	40	4.4	In				66.4	51	40.7
Out 00.2 42.0 02.0				Out				58.2	42.8	32.5
In 72 55 44.1 35.8		60	16	In			72	55	44.1	35.8
Out 63.8 46.8 35.9 27.6		00	10	Out			63.8	46.8	35.9	27.6
In 77.4 59.3 47.7 39.1 32.1		80	27	In		77.4	59.3	47.7	39.1	32.1
Out 69.2 51.1 39.5 30.9 23.9				Out		69.2	51.1	39.5	30.9	23.9
In 70.8 63.3 51.4 42.4 35.2 29.1		100	38	In	70.8	63.3	51.4	42.4	35.2	29.1
Out 62.6 55.1 43.2 34.2 27 20.9				Out	62.6	55.1	43.2	34.2	27	20.9
In 60.1 54.9 45.9 38.4 32.1 26.7		120	49	In	60.1	54.9	45.9	38.4	32.1	26.7
120 49 Out 51.9 46.7 37.7 30.2 23.9 18.5				Out	51.9	46.7	37.7	30.2	23.9	18.5
In 50.3 46.7 39.8 33.7 28.4 23.8		150	66	In	50.3	46.7	39.8	33.7	28.4	23.8
Out 42.1 38.5 31.6 25.5 20.2 15.6				Out	42.1	38.5	31.6	25.5	20.2	15.6

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/cm²). 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.