

DHP Series Specifications

DHP SERIES SPECIFICATIONS

MODEL	FLOW SCFM	HEATER RATED OUTPUT KW	BLOWER HP	DIMENSIONS H x W x L INCHES	WEIGHT LBS	IN/OUT CONNECTIONS	REPLACEMENT DESICCANT LBS
DPB0500	500	10	2.2	105 x 53 x 70	1866	2" NPT	354
DPB0600	600	12	3.4	108 x 55 x 71	2111	2" NPT	453
DPB0750	750	14	2.9	114 x 60 x 83	2456	3" ANSI Flg	590
DPB0900	900	16	2.7	114 x 60 x 83	2472	3" ANSI Flg	590
DPB1050	1050	19	3.7	113 x 64 x 84	2981	3" ANSI Flg	710
DPB1300	1300	23	7.1	118 x 66 x 85	3576	3" ANSI Flg	923
DPB1500	1500	28	10.1	116 x 80 x 93	5359	3" ANSI Flg	1259
DPB1800	1800	32	9.4	116 x 80 x 93	5359	3" ANSI Flg	1259
DPB2200	2200	39	7.5	124 x 85 x 104	8018	4" ANSI Flg	1867
DPB2600	2600	45	13.9	124 x 85 x 104	8123	4" ANSI Flg	1867
DPB3200	3200	53	11.1	121 x 97 x 117	9333	6" ANSI Flg	2377
DPB3600	3600	58	5.4	128 x 97 x 117	9833	6" ANSI Flg	2610
DPB4300	4300	70	5.9	124 x 105 x 130	12350	6" ANSI Flg	3398

TABLE 1

PRESSURE PSIG (KGF/CM ²)	INLET TEMPERATURE °F (°C)						
	60 (15.6)	70 (21.1)	80 (26.7)	90 (32.2)	100 (37.8)	110 (43.3)	120 (48.9)
60 (4.2)	1.03	1.01	0.99	0.80	0.58	0.43	0.32
70 (4.9)	1.10	1.08	1.07	0.94	0.68	0.50	0.37
80 (5.6)	1.17	1.15	1.14	1.08	0.79	0.58	0.43
90 (6.3)	1.24	1.22	1.20	1.18	0.89	0.66	0.49
100 (7.0)	1.30	1.28	1.26	1.24	1.00	0.74	0.55
110 (7.7)	1.36	1.34	1.32	1.30	1.11	0.82	0.61
120 (8.4)	1.42	1.40	1.38	1.36	1.22	0.90	0.67
130 (9.1)	1.48	1.46	1.44	1.42	1.33	0.99	0.74
140 (9.8)	1.53	1.51	1.49	1.47	1.44	1.07	0.80
150 (10.6)	1.58	1.56	1.54	1.52	1.50	1.16	0.87

Notes: Inlet Flow capacities have been established at an inlet pressure of 100 psig (7 kgf/cm²), and a saturated inlet temperature at 100° F (38° C). To determine maximum inlet flow at other conditions, multiply the inlet flow from the Specifications Table by the multiplier from Table 1 that corresponds to your operating conditions.

Dew Point: Outlet pressure dew point at rated inlet conditions of 100 psig (7 kgf/cm²) and 100° F (38° C) and 70° F (21° C) atmospheric dew point is -40° F (-40° C). Dew point varies slightly at other conditions. Consult factory to determine exact outlet pressure dew point at your operating conditions.

Outlet Temperature at normal rated conditions (after temperature spike) is 127° F (53° C). Outlet temperature varies depending on inlet temperature and pressure. Consult factory to determine exact outlet temperature at your operating conditions.

Operating Parameters

- Maximum working pressure: 150 psig
 - Minimum working pressure: 60 psig
 - Inlet air: 100 ±2 psig at 100° F ±2° F
 - Ambient temperature: 80° F ±5° F
 - Ambient dew point temperature: 70° F
 - Inlet pressure dew point: 100° F
 - Outlet pressure dew point: -40° F (excluding bump at changeover)
 - Maximum delta P: 5 psid
 - Drying time: 4 hours
 - Inlet air pressure: 60-150 psig
 - Inlet air temperature: 40-120° F
- Available Voltages:
460V/3ph/60Hz,
NEMA 4 enclosure
- Contact customer service for non-standard conditions.