



## HB HEATED BLOWER DESICCANT DRYER HB150 - HB8000

Industrial Technologies  
Davidson, NC 28036

DATE: 12-Jul-13  
CANCELS: All Previous

### ENGINEERING DATA - 380/3/50 VOLT

	HB150	HB200	HB250	HB300	HB400	HB500
Inlet Capacity (nm <sup>3</sup> /min)	4.2	5.7	7.1	8.5	11.3	14.2
Desiccant per Tower (kg)	54	78	90	107	137	170
Tower Diameter (mm)	254	304.8	355.6	355.6	406.4	406.4
Electrical	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
MCA / MOP (amps)	CF	11.8 / 12	15.2 / 20	15.2 / 20	CF	CF
Blower HP	1	1	1.5	1.5	2	2
Heater Rating (kw)	3	4.5	6	6	9	12
Average Heater kw	2.2	2.9	3.6	4.3	5.8	7.2
Air In/Out Connections (inches)	1" FPT	1 ½" FPT	1 ½" FPT	1 ½" FPT	2" FPT	2" FPT
Width (mm) <sup>1</sup>	1143	1245	1346	1346	1448	1448
Depth (mm) <sup>1</sup>	838	940	965	965	1219	1219
Height (mm) <sup>1</sup>	1676	1702	1727	1727	2108	2108
Shipping Weight (kg) <sup>1</sup>	396	515	626	670	860	958

  

	HB600	HB800	HB1000	HB1200	HB1500	HB1800
Inlet Capacity (nm <sup>3</sup> /min)	17	22.7	28.3	34	42.5	51
Desiccant per Tower (kg)	229	288	318	363	499	590
Tower Diameter (mm)	508	508	610	610	762	762
Electrical	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
MCA / MOP (amps)	CF	CF	CF	69.3 / 70.0	CF	96.3 / 100
Blower HP	3	5	7.5	7.5	15	15
Heater Rating (kw)	12	18	24	24	30	36
Average Heater kw	8.7	11.5	14.4	17.3	21.6	26.0
Air In/Out Connections (inches)	3" FPT	3" FPT	3" FPT	3" FPT	3" FPT	4" FLG
Width (mm) <sup>1</sup>	1626	1626	1981	1981	2489	2489
Depth (mm) <sup>1</sup>	1499	1499	1499	1499	1651	1727
Height (mm) <sup>1</sup>	2235	2235	2032	2032	2337	2337
Shipping Weight (kg) <sup>1</sup>	1272	1451	1709	1856	2502	2773

  

	HB2100	HB3000	HB4000	HB5000	HB6000	HB8000
Inlet Capacity (nm <sup>3</sup> /min)	59.5	85	113.3	141.6	170	226.5
Desiccant per Tower (kg)	664	958	1165	1633	1960	2613
Tower Diameter (mm)	762	914.4	1066.8	1219.2	1371.6	1524
Electrical	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
MCA / MOP (amps)	CF	CF	195.8 / 200	CF	CF	CF
Blower HP	15	20	25	30	30	40
Heater Rating (kw)	45	60	80	100	125	175
Average Heater kw	30.3	43.3	57.7	72.1	86.5	115.4
Air In/Out Connections (inches)	4" FLG	6" FLG	6" FLG	6" FLG	6" FLG	8" FLG
Width (mm) <sup>1</sup>	2489	3048	3200	3505	3810	4267
Depth (mm) <sup>1</sup>	1702	1981	2108	2210	2388	2489
Height (mm) <sup>1</sup>	2337	2540	2337	2464	2616	2667
Shipping Weight (kg) <sup>1</sup>	3135	2497	3188	3411	3992	5432

<sup>1</sup>Dimensions and Shipping Weight on HB1800 and larger are for the dryer only (filters ship loose). HB3000 and larger shipping weight does not include desiccant (shipped loose).

**Capacity on all models is based on 38°C, 7 barg.**

**Maximum allowable inlet temperature is 49°C.**

**Maximum inlet pressure is 10 barg.**

**Safety valve setting is 11.4 barg.**

**NEMA cycle time is 8 hours.**