



HB HEATED BLOWER DESICCANT DRYER HB150 - HB8000

Industrial Technologies
Davidson, NC 28036

DATE: 12-Jul-13
CANCELS: All Previous

ENGINEERING DATA - 460/3/60 VOLT

	HB150	HB200	HB250	HB300	HB400	HB500
Inlet Capacity (scfm)	150	200	250	300	400	500
Desiccant per Tower (lbs)	118	172	199	235	302	374
Tower Diameter (inches)	10	12	14	14	16	16
Electrical	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
MCA / MOP (amps)	6 / 8	9.2 / 10	10.7 / 12	10.7 / 12	15 / 17	22.6 / 25
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 (inches) ¹	45	49	53	53	57	57
Depth (inches) ¹	33	37	38	38	48	48
Height (inches) ¹	66	67	68	68	83	83
Shipping Weight (lbs) ¹	874	1136	1379	1477	1897	2111

	HB600	HB800	HB1000	HB1200	HB1500	HB1800
Inlet Capacity (scfm)	600	800	1000	1200	1500	1800
Desiccant per Tower (lbs)	504	635	700	800	1100	1300
Tower Diameter (inches)	20	20	24	24	30	30
Electrical	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
MCA / MOP (amps)	23.4 / 25	37.1 / 40	49 / 50	49 / 50	71 / 80	81 / 90
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 (inches) ¹	64	64	78	78	98	98
Depth (inches) ¹	59	59	59	59	65	68
Height (inches) ¹	88	88	80	80	92	92
Shipping Weight (lbs) ¹	2804	3198	3767	4091	5515	6113

	HB2100	HB3000	HB4000	HB5000	HB6000	HB8000
Inlet Capacity (scfm)	2100	3000	4000	5000	6000	8000
Desiccant per Tower (lbs)	1464	2113	2569	3600	4320	5760
Tower Diameter (inches)	30	36	42	48	54	60
Electrical	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
MCA / MOP (amps)	93 / 100	123 / 125	165 / 175	199 / 200	239 / 250	267 / 300
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 (inches) ¹	98	120	126	138	150	168
Depth (inches) ¹	67	78	83	87	94	98
Height (inches) ¹	92	100	92	97	103	105
Shipping Weight (lbs) ¹	6911	5504	7029	7520	8800	11976

¹Dimensions 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 100°F, 100 psig.
Maximum allowable inlet temperature is 120°F.
Maximum inlet pressure is 150 psig.
Safety valve setting is 165 psig.
NEMA cycle time is 8 hours.**



HB HEATED BLOWER DESICCANT DRYER HB150 - HB8000

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DATE: 12-Jul-13
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ENGINEERING DATA - 575/3/60 VOLT

	HB150	HB200	HB250	HB300	HB400	HB500
Inlet Capacity (scfm)	150	200	250	300	400	500
Desiccant per Tower (lbs)	118	172	199	235	302	374
Tower Diameter (inches)	10	12	14	14	16	16
Electrical	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
MCA / MOP (amps)	CF	7.7 / 8.0	CF	CF	CF	17.9 / 20
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 (inches) ¹	45	49	53	53	57	57
Depth (inches) ¹	33	37	38	38	48	48
Height (inches) ¹	66	67	68	68	83	83
Shipping Weight (lbs) ¹	874	1136	1379	1477	1897	2111

	HB600	HB800	HB1000	HB1200	HB1500	HB1800
Inlet Capacity (scfm)	600	800	1000	1200	1500	1800
Desiccant per Tower (lbs)	504	635	700	800	1100	1300
Tower Diameter (inches)	20	20	24	24	30	30
Electrical	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
MCA / MOP (amps)	20.3 / 25.0	26.3 / 30	39.3 / 40	39.3 / 40	44.9 / 50	CF
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 (inches) ¹	64	64	78	78	98	98
Depth (inches) ¹	59	59	59	59	65	68
Height (inches) ¹	88	88	80	80	92	92
Shipping Weight (lbs) ¹	2804	3198	3767	4091	5515	6113

	HB2100	HB3000	HB4000	HB5000	HB6000	HB8000
Inlet Capacity (scfm)	2100	3000	4000	5000	6000	8000
Desiccant per Tower (lbs)	1464	2113	2569	3600	4320	5760
Tower Diameter (inches)	30	36	42	48	54	60
Electrical	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
MCA / MOP (amps)	74 / 80	98.5 / 100	131.2 / 150	160.0 / 175.0	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 (inches) ¹	98	120	126	138	150	168
Depth (inches) ¹	67	78	83	87	94	98
Height (inches) ¹	92	100	92	97	103	105
Shipping Weight (lbs) ¹	6911	5504	7029	7520	8800	11976

¹Dimensions 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 100°F, 100 psig.
Maximum allowable inlet temperature is 120°F.
Maximum inlet pressure is 150 psig.
Safety valve setting is 165 psig.
NEMA cycle time is 8 hours.**