



## EH HEATED DESICCANT DRYER EH150 - EH8000

Industrial Technologies  
Davidson, NC 28036

DATE: 12-Jul-13  
CANCELS: All Previous

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

	EH150	EH200	EH250	EH300	EH400	EH500
Inlet Capacity (nm <sup>3</sup> /min)	4.2	5.7	7.1	8.5	11.3	14.2
Purge (nm <sup>3</sup> /min)	0.3	0.4	0.5	0.6	0.8	1.1
Desiccant per Tower (kg) <sup>1</sup>	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	5.7 / 6.0	5.7 / 6.0	5.7 / 6.0	9.0 / 10.0	9.0 / 10.0
Heater Rating (kw)	2	3	3	3	4.5	4.5
Average Heater kw	0.8	1.2	1.5	1.8	2.3	2.9
Air In/Out Connections (inches)	1" NPT	1 ½" NPT	1 ½" NPT	1 ½" NPT	2" NPT	2" NPT
Width (mm) <sup>2</sup>	1130	1232	1333	1333	1435	1435
Depth (mm) <sup>2</sup>	813	813	889	889	864	864
Height (mm) <sup>2</sup>	1676	1702	1727	1727	2083	2083
Shipping Weight (kg) <sup>1</sup>	344	414	508	540	698	774

	EH600	EH800	EH1000	EH1200	EH1500	EH1800
Inlet Capacity (nm <sup>3</sup> /min)	17	22.7	28.3	34	42.5	51
Purge (nm <sup>3</sup> /min)	1.3	1.7	2.1	2.6	3.2	3.8
Desiccant per Tower (kg) <sup>1</sup>	229	288	318	363	499	590
Tower Diameter (mm)	508	508	609.6	609.6	762	762
Electrical	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
MCA / MOP (amps)	11.8 / 12.0	17.4 / 20.0	18.1 / 20.0	CF	28.5 / 30.0	34.5 / 35.0
Heater Rating (kw)	6	9	9	12	15	18
Average Heater kw	3.5	4.6	5.8	6.9	8.7	10.4
Air In/Out Connections (inches)	3" NPT	3" NPT	3" NPT	3" NPT	3" NPT	4" FLG
Width (mm) <sup>2</sup>	1626	1626	1994	1994	2134	2134
Depth (mm) <sup>2</sup>	1194	1194	1219	1219	1397	1524
Height (mm) <sup>2</sup>	2184	2184	2032	2032	2337	2337
Shipping Weight (kg) <sup>1</sup>	1075	1216	1380	1490	2032	2248

	EH2100	EH3000	EH4000	EH5000	EH6000	EH8000
Inlet Capacity (nm <sup>3</sup> /min)	59.5	85	113.3	141.6	170	226.5
Purge (nm <sup>3</sup> /min)	4.5	6.4	8.5	10.6	12.8	17.0
Desiccant per Tower (kg) <sup>1</sup>	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)	34.5 / 35.0	CF	CF	CF	CF	CF
Heater Rating (kw)	18	30	36	50	60	75
Average Heater kw	12.2	17.4	23.1	28.9	34.7	46.3
Air In/Out Connections (inches)	4" FLG	4" FLG	6" FLG	6" FLG	6" FLG	8" FLG
Width (mm) <sup>2</sup>	2134	2438	2591	3048	3353	3962
Depth (mm) <sup>2</sup>	1524	1854	2134	2311	2413	2565
Height (mm) <sup>2</sup>	2337	2540	2337	2464	2616	2667
Shipping Weight (kg) <sup>1</sup>	2427	1598	2636	2743	3201	4504

**<sup>1</sup>Dimensions and shipping weight on the EH1800 and larger are for the dryer only (filters ship loose). EH3000 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. 3 hours of heating and 1 hour of cooling.**