



HL DESICCANT DRYER
HLA90-HLA600
HL800-HL5000

Compressed Air Systems and Services
Davidson, NC 28036

DATE: 1-Sep-17
CANCELS: All Previous

ENGINEERING DATA - 50 HZ

	HLA90	HLA120	HLA160	HLA200	HLA250	HLA300	HLA400
-40°F Inlet Capacity (nm3/min)	2.5	3.4	4.5	5.7	7.1	8.5	11.3
-100°F Inlet Capacity (nm3/min)	2.0	2.7	3.6	4.6	5.7	6.8	9.0
Purge (nm3/min)	0.4	0.5	0.7	0.8	1.0	1.3	1.7
Desiccant per Tower (kg)	23	30	44	54	66	78	107
Tower Diameter (mm)	203	203	254	254	305	305	356
Electrical	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
MCA / MOP (amps)	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Air In/Out Connections (inches)	1" NPT	1" NPT	1½" NPT	1½" NPT	1½" NPT	2" NPT	2" NPT
Width (mm) ¹	1029	1029	1130	1130	1232	1232	1333
Depth (mm) ¹	762	762	813	813	800	864	910
Height (mm) ¹	1603	1603	1679	1679	1697	1697	1722
Shipping Weight (kg) ¹	215	255	321	332	394	419	506

	HLA500	HLA600	HL800	HL1000	HL1200	HL1500
-40°F Inlet Capacity (nm3/min)	14.2	17	22.7	28.3	34	42.5
-100°F Inlet Capacity (nm3/min)	11.4	13.6	18.2	22.6	27.2	34.0
Purge (nm3/min)	2.1	2.5	3.3	4.2	5.0	6.3
Desiccant per Tower (kg)	145	170	204	249	288	363
Tower Diameter (mm)	406	406	508	508	508	610
Electrical	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
MCA / MOP (amps)	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Air In/Out Connections (inches)	2" NPT	2" NPT	3"NPT	3"NPT	3"NPT	4" FLG
Width (mm) ¹	1435	1435	1626	1626	1626	1981
Depth (mm) ¹	981	981	1303	1303	1303	1552
Height (mm) ¹	2095	2095	2225	2225	2225	2032
Shipping Weight (kg) ¹	709	755	915	1015	1100	1376

	HL1800	HL2100	HL2700	HL3300	HL4000	HL5000
-40°F Inlet Capacity (nm3/min)	51	59.5	76.5	93.5	113.3	141.6
-100°F Inlet Capacity (nm3/min)	40.8	47.6	61.2	74.8	90.6	113.3
Purge (nm3/min)	7.5	8.8	11.3	13.8	16.7	20.9
Desiccant per Tower (kg)	454	531	664	907	964	1270
Tower Diameter (mm)	762	762	762	914	914	1067
Electrical	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
MCA / MOP (amps)	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Air In/Out Connections (inches)	4" FLG	4" FLG	4" FLG	6" FLG	6" FLG	6" FLG
Width (mm) ¹	2134	2134	2134	2438	2438	2591
Depth (mm) ¹	1539	1539	1544	1676	1676	1829
Height (mm) ¹	2334	2334	2334	2540	2540	2337
Shipping Weight (kg) ¹	1771	1941	2234	1338	1361	1792

¹Dimensions and Shipping Weight on HL1800 and larger are for the dryer only (filters ship loose). HL3300 and larger shipping weight does not include desiccant (shipped loose)

Capacity on all models is based on 38°C, 7.0 barg.
Maximum allowable inlet temperature is 49°C.
Maximum inlet pressure is 10 barg.
Safety valve setting is 11.4 barg.
NEMA cycle time for -40°C is 10 min. / 5 min. each vessel.
NEMA cycle time for -70°C is 4 min. / 2 min. each vessel.