



HEATLESS DESICCANT DRYER
HLA90-HLA600
HL800-HL5000

Compressed Air Systems and Services
Davidson, NC 28036

DATE: 1-Sep-17
CANCELS: All Previous

ENGINEERING DATA - 60 HZ

	HLA90	HLA120	HLA160	HLA200	HLA250	HLA300	HLA400
-40°F Inlet Capacity (scfm)	90	120	160	200	250	300	400
-100°F Inlet Capacity (scfm)	72	96	128	160	200	240	320
Purge (SCFM)	13	18	24	29	37	44	59
Desiccant per Tower (lbs)	50	67	96	118	145	172	235
Tower Diameter (inches)	8	8	10	10	12	12	14
Electrical	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60
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 (inches) ¹	40.5	40.5	44.5	44.5	48.5	48.5	52.5
Depth (inches) ¹	30	30	32	32	32	33.6	35.8
Height (inches) ¹	63.1	63.1	66.1	66.1	66.8	66.8	67.8
Shipping Weight (lbs) ¹	475	563	707	731	869	924	1115

	HLA500	HLA600	HL800	HL1000	HL1200	HL1500
-40°F Inlet Capacity (scfm)	500	600	800	1000	1200	1500
-100°F Inlet Capacity (scfm)	400	480	640	800	960	1200
Purge (SCFM)	74	88	118	147	177	221
Desiccant per Tower (lbs)	319	374	450	550	635	800
Tower Diameter (inches)	16	16	20	20	20	24
Electrical	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60
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 (inches) ¹	56.5	56.5	64	64	64	78
Depth (inches) ¹	38.6	38.6	51.3	51.3	51.3	61.1
Height (inches) ¹	82.5	82.5	87.6	87.6	87.6	80
Shipping Weight (lbs) ¹	1564	1664	2017	2237	2424	3034

	HL1800	HL2100	HL2700	HL3300	HL4000	HL5000
-40°F Inlet Capacity (scfm)	1800	2100	2700	3300	4000	5000
-100°F Inlet Capacity (scfm)	1440	1680	2160	2640	3200	4000
Purge (SCFM)	265	310	398	486	590	737
Desiccant per Tower (lbs)	1000	1170	1464	2000	2125	2800
Tower Diameter (inches)	30	30	30	36	36	42
Electrical	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60
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 (inches) ¹	84	84	84	96	96	102
Depth (inches) ¹	60.6	60.6	60.8	66	66	72
Height (inches) ¹	91.9	91.9	91.9	100	100	92
Shipping Weight (lbs) ¹	3905	4279	4926	2950	3000	3950

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 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 for -40°F is 10 min. / 5 min. each vessel.

NEMA cycle time for -100°F is 4 min. / 2 min. each vessel.