

HEAT OF COMPRESSION AIR DRYER HC Series

Air Solutions
Davidson, NC 28036

Date: **08 Jan 2011**
Cancels: **15 Jan 2007**

ENGINEERING DATA

Model	HC-7	HC-9	HC-14	HC-21	HC-30	HC41	HC-54
Flow (scfm*) @ 100 psig	677	836	1204	1880	2708	3500	4814
Vessel OD (inches)	18	20	24	30	36	42	48
Desiccant per Vessel (lbs)	502	620	893	1395	2009	2735	3572
Inlet Connection	2"	3"	3"	4"	4"	6"	6"
Outlet Connection	2"	3"	3"	4"	4"	6"	6"
Valve Size	2"	3"	3"	4"	4"	6"	6"
Estimated Cooler Flow (gpm)	30	33	36	56	80	110	143
Length (inches)	80	96	109	111	126	131	140
Width (inches)	58	61	70	78	104	108	112
Height (inches)	99	100	101	105	109	112	115
Weight (inches)	4650	5150	6000	9900	10075	12200	17300

Model	HC-69	HC-85	HC-103	HC-122	HC-143	HC-166
Flow (scfm*) @ 100 psig	6093	7522	9101	10832	12712	14743
Vessel OD (inches)	54	60	66	72	78	84
Desiccant per Vessel (lbs)	4521	5581	6753	8037	9432	10939
Inlet Connection	6"	8"	8"	8"	8"	10"
Outlet Connection	6"	8"	8"	8"	8"	10"
Valve Size	6"	8"	8"	8"	8"	10"
Estimated Cooler Flow (gpm)	138	172	208	247	289	335
Length (inches)	174	196	193	215	218	242
Width (inches)	118	148	156	160	166	172
Height (inches)	118	127	130	134	134	140
Weight (inches)	20275	2330	29500	33300	37300	42800

* Conditions based on 100 psig operating pressure, 95°F ambient air, 225°F compressor discharge temperature, and 85°F cooling water
Standard cooler has a 10°F CTD (max inlet temp of 400°F)
Cycle time is 8 hours
HC stripping function requires 2% (of dried air) of the rated inlet for 90 minutes (average of 0.75%)

Models HC-21 and below can be offered for Engineered Projects. for Standard HOC Dryers in this size range please review the D-EH Product Offering