

DIMENSIONS & DATA CERTIFIED FOR:

Representative:

Order:

Customer:

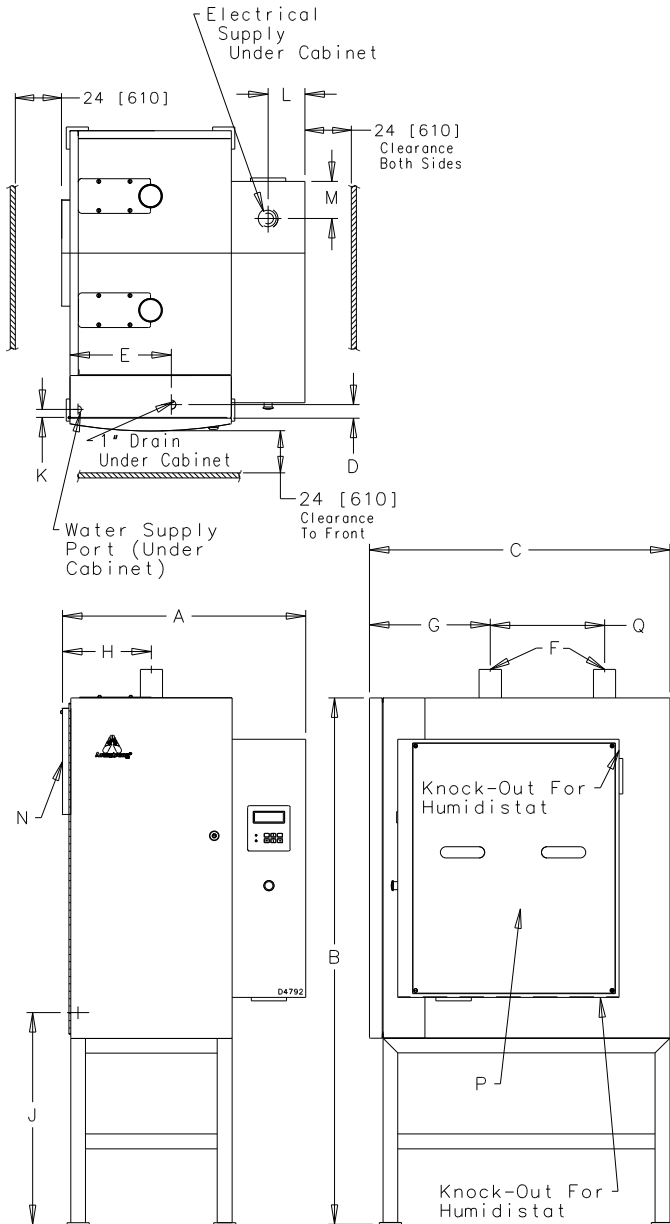
Order:

Project:

Requirements:

By:

Date:



Dimensions Are In Inches[mm]

NAME OF PART	MATERIAL
Cabinet/ Finish	16 Ga. Stl./ Power Epoxy Coat
Tank	T304 Stn. Stl.
* Ionic Bed Module	Inert Fiber
* Ionic Bed Frame	T304 Stn. Stl.
Elements	Incoloy Sheathed Std., T316 For DI/RO
Dispersion Tube	18-8 Stn. Stl.
Tank Gasket	Closed Cell Silicone
Hose Cuff	EPDM

* Not Used In DI/RO Applications

TECHNICAL INFORMATION

DESCRIPTION	HC MODEL NOS.	
	6500	6700
A Overall Width	26.41 [671]	
B Overall Height	57.16 [1452]	
C Overall Length	32.63 [828]	
D Drain Outlet- Front To ϕ	1.44 [37]	
E Drain Outlet- Side To ϕ	11 [279]	
F Steam Discharge Tube	2.38 ϕ [60]	
G Steam Outlet - Front	13.13 [333]	
H Steam Outlet - Side	9.91 [245]	
J Supply Water - Bottom	23 [584]	
K Supply Water - Front	.87 [22]	
L Electrical Supply - Side	4.00 [102]	
M Electrical Supply - Back		
N Tank Outlet Access	10.13 x 10.13 [257 x 257]	
P Electrical Access Panel	22 x 27 [559 x 686]	
Water Supply Connection	1/2 Compression Fitting	
Weights:		
Dry Wt.	290 [130]	
Wet Wt.	507 [230]	
Shipping Wt.	330 [150]	
EHF-3 Fan Package	330 [15]	

Capacities:

Standard Package Includes:

Model No.	3 ϕ kw Unit	Volts (Vac)	Steam Capacity		Humidifier/Mt. Brack. & Bolts Hose Cuffs/ Hose Clamps
			lb/hr	kg/hr	
HC6500	30(Min)	208	90	[41]	Options:
	72(Max)	400-600	216	[98]	
HC6700	67(Min)	400	201	[91]	Dwyer Duct Pressure Switch <input type="checkbox"/>
	96(Max)	400-600	288	[130]	Humidistat: High Limit ON/OFF <input type="checkbox"/>

For Additional Steam Capacities, See Sheet #2.

- Humidistat: High Limit MODULATING
- Temp-R-Drain
- Room Or Duct Humidity Transmitter
- Modulating Duct High Limit Transmitter
- BACNet Interoperability
- LanWorks Interoperability
- EHF III Fan Package
- 0-10 Vdc Room Or Duct Humidistat



HUMIDICLEAN
HC6500/6700
SERIES

ENGLISH

CD No.

Date

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CD1339

12/13/07

Rev; B

By; paulg

Steam Capacities & Nominal Amperage Ratings

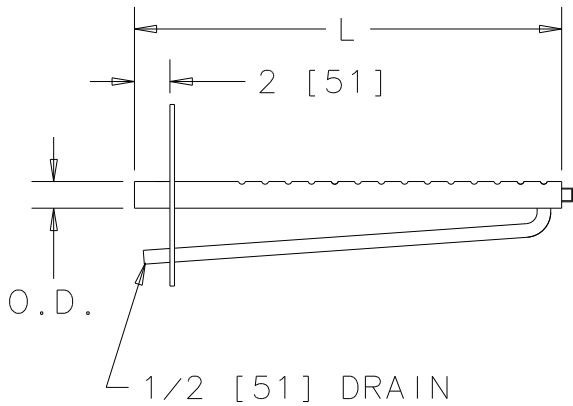
MODEL HC6500

VOLTAGE (VAC)	30 KW Unit		33.5 KW Unit		40 KW Unit		45 KW Unit		48 KW Unit		50.3 KW Unit	
	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output
	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr
208	84	90[41]	-	-	-	-	125	135[61]	-	-	-	-
240	-	-	-	-	96	120[54]	-	-	-	-	-	-
400	-	-	51	100[45]	-	-	-	-	73	144[65]	77	150[68]
480	-	-	-	-	-	-	-	-	58		-	-
600	-	-	-	-	-	-	-	-	47	144[66]	-	-

Con't Steam Capacities & Nominal Amperage Ratings

Recommended Branch Circuits

HC6500					HC6700				NOMINAL AMP RATING	WIRE AMG [mm ²]		CIRCUIT BREAKER
VOLTAGE (VAC)	60 KW Unit		72 KW Unit		67 KW Unit		96 KW Unit					
	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output	Nom. AMPS	Steam Output				
	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr	3∅ Unit	lbs[kg] hr				
240	144	180[82]	-	-	-	-	-	-	1-12	14	2	15
400	-	-	-	-	102	201[91]	145	288[130]	13-15	12	4	20
480	-	-	87	216[98]	-	-	116		16-20	10	6	6
600	-	-	70		-	-	93	21-24	30			
									25-32	8	10	40
									33-40			50
									41-48	6	16	60
									49-64	4	25	80
									65-80	3	35	100
									81-100	1	50	125
									101-120	0		150
									121-140	00	70	175
									141-160	000	95	200



SELECTING PROPER DISPERSION TUBE

MODEL# HC6500 HC6700	O.D.	LENGTH (L)[cm]	DUCT WIDTH		WEIGHT (LBS.)[kg] 2-3/8 O.D.
			MIN.	MAX.	
DL-1	2-3/8 [60]	12 "[30]	11 "[28]	16 "[41]	2.7[1.2]
DL-1.5		18 "[46]	17 "[43]	22 "[56]	3.4[1.5]
DL-2		24 "[61]	23 "[58]	34 "[86]	4[2]
DL-3		36 "[91]	35 "[89]	46 "[117]	6[3]
DL-4		48 "[122]	47 "[119]	58 "[147]	8[3.6]
DL-5		60 "[152]	59 "[150]	70 "[178]	10[4.5]
DL-6		72 "[183]	71 "[180]	82 "[208]	12[5.5]
DL-7		84 "[213]	83 "[211]	94 "[239]	14[6.4]
DL-8		96 "[244]	95 "[241]	106 "[269]	16[7.3]
DL-9		108 "[274]	107 "[272]	118 "[300]	18[8.2]
DL-10	120 "[305]	119 "[302]	130 "[330]	20[9.1]	

Dimensions Are In Inches[mm]



Product
HUMIDICLEAN
HC6500/6700
SERIES

ENGLISH
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✓

CD No.
CD1339

Date
9/29/06

Rev; A Sht. 2

By; paulg

DIMENSIONS & DATA CERTIFIED FOR:

Representative: _____ Order: _____

Customer: _____ Order: _____

Project: _____

Requirements:


STANDARD PACKAGE INCLUDES:

- Humidifier utilizes disposable ionic bed inserts for tap water service to attract solids from boiling water. Ionic beds minimize downtime required for tank cleaning.
- Humidifier includes as standard an insulated painted tank enclosure.
- Humidifier includes SCR modulating control to provide 0% to 100% of maximum capacity. Humidifier is field adaptable to 0-10Vdc, 4-20 mA, 0-5 Vdc, or an on/off input signal.
- Humidifier includes end of season drain to empty tank during 72 hours of no demand. Tank pitched to assist with complete drainage.
- Humidifier shall utilize a thermal sensing device that senses temperature within a heating element to prevent overheating.
- Humidifier shall include a password protected programmable keypad with backlit alphanumeric display offering menu selectable diagnostics, ionic bed service life selection, and tank drain program.
- Keypad functions to include:
 - a. RH Graph of previous 30 days of trend data.
 - b. Real Time Clock
 - c. Error list log showing all previous errors experienced in past 30 days, timed stamped.
- Humidifier shall modulate fill of makeup water into tank to prevent reduction of steam output during fill cycle for consistent and responsive output of produced steam.
- A minimum tank temperature to be maintained during short periods of no demand through use of an aquastat to improve responsiveness to increases of demand.
- Humidifier includes electrical terminals for installation of controlling stat, duct high-limit stat, fan interlock switch, and Class 2 alarm device.
- Humidifier includes integral Emergency Manual Stop for quick shut down.
- Humidifier tank shall be constructed of 14 ga. 304 stainless steel and heating elements shall include an incoloy sheath for tap water service and stainless steel sheath for RO (reverse osmosis) or DI (deionized) water.
- Humidifier is interoperable through native MODBUS communications protocol. Upon request, humidifier may be supplied interoperable through BACnet or LonWorks communications protocol.

TUV Certification

OSHA requires certification by an NRTL (Nationally Recognized Testing Laboratory) and TUV Rheinland of North America, like UL and ETL, is one NRTL. The Armstrong HumidiClean Series HC-6000 was tested in accordance with the standards found in UL 998 by TUV and carries the cTUVus listing for North America as well as the CE listing for Europe.

The cTUVus indicates that the equipment has been exposed to rigorous testing and evaluation and is found to comply with relevant standards. In other words, the equipment is found to be safe as per definition of the relevant standard.

 Armstrong www.armstronginternational.com	Product	ENGLISH	CD No.	Date
	HUMIDICLEAN HC6500/6700 SERIES	WEB Y N ✓	CD1339	9/29/06
			Rev; A Sht. 3	By; paulg