

Dual Tower Heat Regenerative Desiccant Air Dryers 100 to 6000 SCFM

Altec AIR's HRE Series Heat Regenerative Desiccant Air Dryers apply a regulated amount of dried process air, which has been heated by way of a low watt density heater, down through the desiccant bed (counter current). This heated purge air is then exhausted to atmosphere, removing the water vapor that had adhered to the desiccant during the previous cycle.

- ASME / CRN Approved Pressure Vessels
- Factory installed Filters w/ Differential Pressure Gauges and Pre-Filter Timer Drain
- Feature Rich ETL Listed Pro-Logic Controller w/ NEMA 4X Enclosure
- Regulated Purge Flow for Optimum Setting, Regardless of Operating Pressure
- ISO 8573.1 Class 2 -40°F/C Standard Outlet Dewpoint



FEATURES

- Power Requirements (model specific):
 - 120 VAC, 1 Phase, 60 Hz
 - 230 VAC, 1 Phase, 60 Hz
 - 460 VAC, 3 Phase, 60 Hz
- Maximum Pressure - 150 PSIG Standard
- Maximum Operating Temperature - 120°F / 49°C
- Tower Pressure Gauges & Dew Point Indicators
- Welded Frame Base - Easy Move With Forklift
- OSHA Approved Mufflers
- Desiccant Fill & Drain Ports
- ASME Safety Relief Valves

OPTIONS

- Alternate Voltages
- EcoTronic Dew Point Demand Control
- Dual Filter & Bypass Packages
- Environment Temperature Protection Kits
- High Pressure (200 PSIG) Models
- Upgraded Controller
- Stainless Steel Control Tube & Fittings
- Bolt-Down Construction

Call for all Available Options

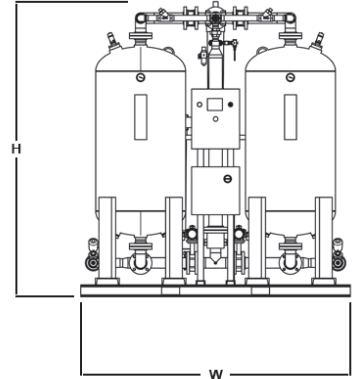
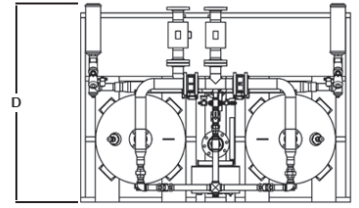
www.AltecAIR.com
800.521.5351

Altec | AIR
HRE SERIES
DUAL TOWER HEAT REGENERATIVE DRYERS

HRE Series

SPECIFICATIONS & DIMENSIONS

	INLET Flow (SCFM @ 100 PSIG)	Inlet / Outlet Ports (NPT)	Power Requirement	Heater (KW)	Approx. Purge (SCFM)	Dimensions W x D x H (in)	Weight (lbs)	
HRE-0100-1	100	1"	120 VAC, 1 Ph, 60 Hz	1.5	8	27 x 30 x 79	550	
HRE-0130-1	130				10	27 x 32 x 79	630	
HRE-0200-2	200	1-1/2"	230 VAC, 1 Ph, 60 Hz	3.0	15	31 x 36 x 90	940	
HRE-0250-4	250				31 x 38 x 91	1,018		
HRE-0300-4	300					1,095		
HRE-0400-4	400	2"	460 VAC, 3 Ph, 60 Hz	5.0	30	32 x 40 x 94	1,390	
HRE-0550-4	550				44 x 49 x 93	1,700		
HRE-0650-4	650				44 x 52 x 93	1,855		
HRE-0800-4	800				44 x 52 x 98	2,270		
HRE-1000-4	1000	3" (FLG)	460 VAC, 3 Ph, 60 Hz	12.0	75	52 x 48 x 102	2,900	
HRE-1250-4	1250				94	96 x 70 x 101	4,180	
HRE-1500-4	1500	4" (FLG)	460 VAC, 3 Ph, 60 Hz	18.0	113	96 x 70 x 101	4,530	
HRE-2000-4	2000				25.0	150	96 x 84 x 121	6,210
HRE-2500-4	2500					185	96 x 84 x 127	6,795
HRE-3000-4	3000				30.0	225	90 x 92 x 112	7,620
HRE-4000-4	4000	6" (FLG)	460 VAC, 3 Ph, 60 Hz	38.0	300	117 x 127 x 112	9,565	
HRE-5000-4	5000				50.0	375	133 x 116 x 105	11,055
HRE-6000-4	6000					60.0	450	145 x 123 x 104



* Units 4000 SCFM and larger with factory packaged filters are provided on two bases designed to bolt together at installation.

Sizing based on the Compressed Air and Gas Institute CAGI ADF 200 Standard for Compressed Air of 100 PSIG inlet pressure, 100°F inlet temperature and -40° F pressure dew point providing ISO Quality to standard 8573-1 rating 1-2-1 for Compressed Air Quality.

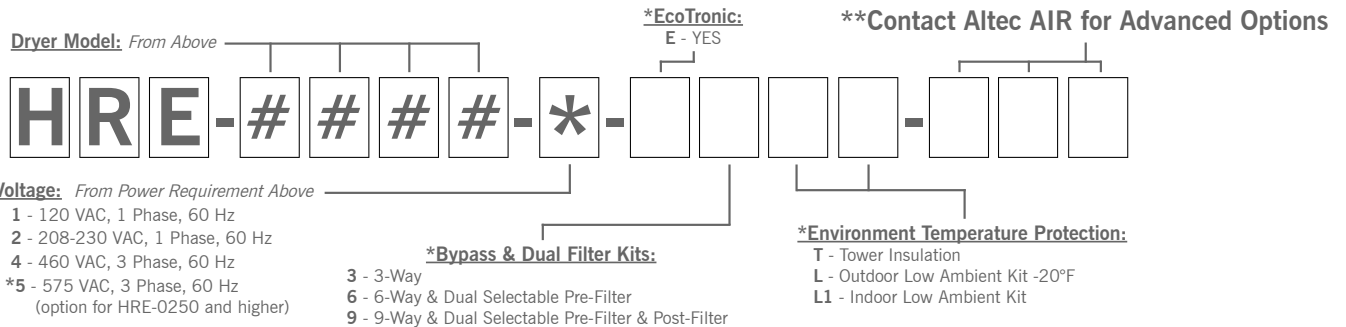
Sizing Dryers for Variable Conditions

Maximum Inlet Flow (-40° F/C PDP) = INLET Flow (above) x Inlet Pressure Correction Factor (A) x Inlet Temp Correction Factor (B)

Actual Pressure (PSIG)	60	70	80	90	100	110	120	130	140	150
Correction Factor (A)	0.66	0.72	0.82	0.90	1.00	1.07	1.15	1.24	1.33	1.40
Inlet Temp (°F)	80		90		100		110		120	
Correction Factor (B)	1.40		1.32		1.00		0.75		0.58	

MULTIPLIER TABLES

MODEL CONFIGURATION



For more complete information on Altec AIR products and services, visit us on the web at www.AltecAIR.com. Material and specifications are subject to change without notice. Featured units in photos may include optional features. Please contact an Altec AIR representative for all available options. Altec AIR logo is a registered trademarks of Altec Inc. in the United States and various other countries and may not be used without permission.
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