

# High Inlet Temperature Refrigerated Air Dryers

Airtek's HIT Series refrigerated air dryers provide clean, dry compressed air for all your high inlet temperature applications. The HIT Series consists of a complete air treatment system that cools, dries and cleans your compressed air in one compact package.

Airtek's HIT Series dryer combines a dryer, separator and filter into one compact design that is easy to install and results in lower installation costs. The all-in-one design also eliminates the need to maintain separate aftercoolers, separators, filters and extractors saving you maintenance costs and manpower.

## High Inlet Temperature Features

- Accepts hot compressed air (up to 180°F, 82°C) directly from your air compressor. No separate aftercooler and separator needed.
- Two stage separator/filter removes liquid water and particulate contaminants down to 3 micron.
- Timer operated drain valve removes condensate.
- Control panel consists of an illuminated power on rocker switch, status lights and refrigerant suction gauge.
- Powder coated cabinets with easy access panels.
- Easy connections with no separate components to put together. Connect inlet and outlet connections to your air system.
- Models matched to common compressor sizes.
- Low pressure drop.
- Compact size.
- Environmentally friendly, CFC free R-134a refrigerant.



# Engineering Data Specifications

HIT Series Air Dryer											
MODEL	Flow Rate @ 125 PSIG SCFM* (Nm <sup>3</sup> /min@8.6 Bar)	Standard Electrical	Refrigeration HP	Maximum Pressure	Dimensions			Weight Lbs (Kg)	Pipe Size In/Out (mm)	Use with Air Compressor (HP)	
					A Length (mm)	B Width (mm)	C Height (mm)				
HIT25	25 (.70)	120/1	1/2	200	34" (864)	14" (356)	23" (584)	170 (77)	1" (25.4)	5	
HIT35	40 (1.13)	120/1	1/2	200	34" (864)	14" (356)	23" (584)	182 (83)	1" (25.4)	10	
HIT60	60 (1.69)	120/1	3/4	200	35" (889)	20" (508)	33" (838)	198 (90)	1" (25.4)	15	
HIT75	75 (2.12)	230/1	1	200	35" (889)	20" (508)	33" (838)	250 (113)	1 1/2" (38.1)	20	
HIT105	105 (2.97)	230/1	1	200	35" (889)	20" (508)	33" (838)	268 (122)	1 1/2" (38.1)	25	
HIT130	130 (3.68)	230/1	1 1/2	200	47" (1194)	22" (559)	38" (965)	365 (166)	2" (50.8)	30	

\*Note: Capacity based on: 180°F (82°C) inlet temperature,  
160°F (71°C) inlet pressure dew point  
95°F (35°C) ambient temperature  
50°F (10°C) outlet pressure dew point  
Less than 5 PSI (0.35 kgf/cm<sup>2</sup>) pressure drop

## Standard Equipment

- Hot Gas Capacity Control
- Power On Light
- On / Off Switch
- 3 Micron Demister Separator
- Low Ambient Fan Control
- Suction Pressure Gauge
- Powder Coated Cabinets
- Easy Access Panels

## Optional Equipment

- Air In Pressure Gauge
- Air Out Pressure Gauge
- Refrigeration Discharge Pressure Gauge
- Differential Pressure Gauge
- Ambient Filter
- Three-Valve Bypass



4087 Walden Avenue  
Lancaster, New York 14086  
Ph. 716.685.4040 Fx.716.685.1010

\* Consult factory for details  
Patents: Refrigerated Dryers 5, 207, 072; 5,099, 5,062, 571. Twin Tower Dryers Using Multi Port Feature, 6,099,620. The equipment indicated in the catalog is meant for use in operating "compressed air driven" apparatuses. At no time should any Airtek equipment be used for breathing air situations unless all government regulations regarding breathing air are met.

Smart Cycle®, Cold Trap®, StarWatch® and Powerloc® are Registered Trademarks of Rayco Enterprises, Inc. DBA Airtek

© 2003 Rayco Enterprises, Inc. DBA Airtek, Lancaster, New York Printed in U.S.A. 1-2004  
Brochure ID # HIT 1-2004