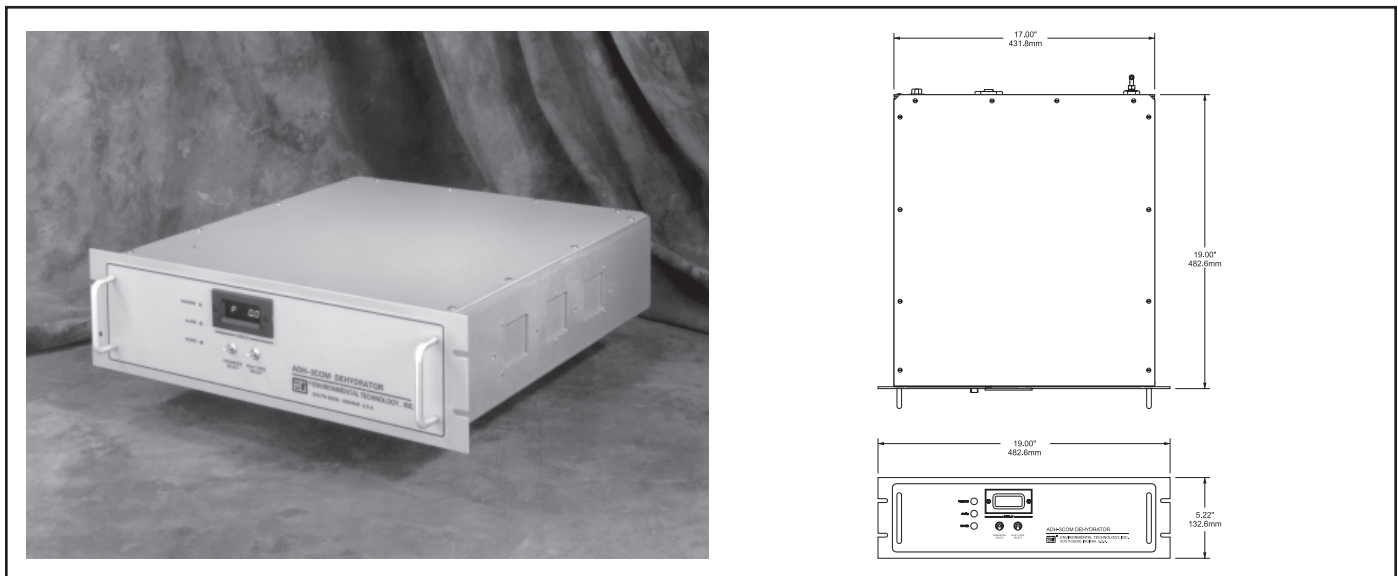


## FEATURES & BENEFITS

- Improves microwave system reliability
- High energy efficiency
- Unattended operation
- International capability
- Automatic regeneration
- Direct digital control
- Output capacity 26 scfh (736 lph)
- 120/230 volt 50/60 Hz operation standard
- English or SI calibration standard
- S-A and terminal communication protocols
- CE certification
- U-L 1950/IEC 950 pending



## DESCRIPTION

The ADH-3COM Automatic Dehydrator supplies low pressure  $-40^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$ ) maximum dew point air to keep waveguide and coax dry. The standard pressure is 0.5 psig (34.5 mbar) with 3 psig (207 mbar) and 6 psig (414 mbar) options. Standard features include automatic regeneration, alarm and low pressure relays and an RS-422/RS-485 communications interface thus making unattended operation practical.

The ADH-3COM uses LED displays and indicators to provide a wide viewing angle and good visibility under low-light conditions. Displayed information includes status, operating and fault

diagnosis data along with air pump operating time.

The ADH-3COM operates with exceptionally low noise and vibration levels. The dehydrator uses aluminum oxide desiccant for high efficiency. The humidity sensor causes regeneration based upon current dew point rather than at fixed time intervals for additional energy savings and long desiccant life. Dual micro controllers and solid state circuitry insure reliability.

The ADH-3COM requires only 5-1/4" of panel space. An internal evaporator eliminates the need for a water drain. The dehydrator operates

from 120/230 volts 50/60 Hz. A user-set jumper selects the display of either SI or English units.

The ADH-3COM consumes a maximum of 150 watts during regeneration and approximately 60 watts otherwise. Thus, this product creates an exceptionally low heat load for an automatic dehydrator.

For complete information describing its application, installation and features, please contact Customer Service or check on the web at [www.networketi.com](http://www.networketi.com).

**SPECIFICATIONS****ENGLISH (SI)**

Pressure range	.25 psig to .5 psig (17.2 mbar to 34.5 mbar)
Air discharge flow rate (max.)	26 scfh (736 lph)
Maximum dew point	-40°F (-40°C)
Regeneration method	Automatic, demand
Supply voltage	120/230 VAC 50 or 60 Hz
Nominal power	60 watts
Maximum power	146 watts
Alarm relay capacity	1 Amp at 240 VAC
Operating temperature	32°F to 130°F (0°C to 55°C)
Storage temperatures	-40°F to 150°F (-40°C to 60°C)
Net weight (rack mount)	31.3 lbs (14.2 kg)
Net weight (wall mount)	31.3 lbs (14.2 kg)
Net weight (NEMA)	95.0 lbs (43.1 kg)
Dimensions (rack mount)	19" x 19" x 5.25" (48.3 cm x 48.3 cm x 13.3 cm)
Dimensions (wall mount)	19" x 21" x 5.25" (48.3 cm x 53.3 cm x 13.3 cm)
Dimensions (NEMA)	24" x 24" x 8" (60.0 cm x 60.0 cm x 20.3 cm)
Mounting method	Standard relay rack mount (3U) or wall mount
Air discharge pressure	0.5 psig (34.5 mbar)
Discharge port	1/4" hose barb (6.4 mm)
Number of discharge ports	1
Air pressure indication	Digital display (psig SI)
Relief valve operating pressure	1.8 psig (124 mbar)
Pneumatic safety	Pressure relief valve
Data displays	Pressure, temperature, flow rate, unit status, duty cycle, compressor time
Communications port	RS-422, 1200 or 9600 baud, 7 bit, even parity, 1 stop bit, DB-9 female connector
Relay connection	DB-15 female connector
Reliability	MTBF – more than 50,000 hours when maintaining a 5% or lower duty cycle. Higher duty cycles may shorten the MTBF.

**ORDERING INFORMATION**

<b>Order Number</b>	<b>Description</b>
17479	ADH-3COM Automatic Air Dehydrator
17845	ADH-3COM Automatic Air Dehydrator (Wall Mount)
18136	ADH-3COM Automatic Air Dehydrator (Outdoor Mount)

**LIMITED WARRANTY**

ETI's two year limited warranty covering defects in workmanship and materials applies. Contact Customer Service for complete warranty information.

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