



▶ **UA-HT SERIES**  
High-Inlet Temperature  
Refrigerated  
**AIR DRYER**

- ▶ High Inlet Temperature of 80 °C
- ▶ High Inlet Pressure of 16 Barg
- ▶ High Ambient Temperature of 45 °C
- ▶ Pressure Dewpoint Range of 2 - 10 °C
- ▶ Highly Efficient Moisture Separation
- ▶ Timer Drain Standard
- ▶ Consistent Dew Point
- ▶ Low Pressure Drop
- ▶ Convenient Installation
- ▶ Build In After Cooler

Compressed air contains moisture and other contaminations that must be removed to avoid damage to pneumatic valve, tools and instrument. Failure to remove these impurities can caused product waste and production downtime.

ULTRA AIR UA - HT Series Dryer is designed for efficiency, reliability and performance. UA - HT Series Dryer Shell-Tube Heat Exchanger is integrated with a Pre-cooler / Re-Heater, Chiller, Evaporator and Moisture Separator for high operational efficiency.

**Efficiency, Reliability, Innovation**

# TECHNICAL SPECIFICATIONS

Model	Flow Rate (m <sup>3</sup> /min)	Power Consumption (Kw)	Connection (inches)	Voltage (V/Ph/Hz)	Dimension (mm) (L x W x H)	Weight (Kg)
UA - 16HT	1.63	0.52	G1"	230/1/50	630X450X800	65
UA - 31HT	3.08	1.00	G1"	230/1/50	700X450X990	85
UA - 47HT	4.66	1.15	G1-1/2"	230/1/50	850X500X1080	100
UA - 64HT	6.38	1.42	G1-1/2"	230/1/50	880X520X1110	125
UA - 77HT	7.67	1.64	G1-1/2"	230/1/50	880X550X1150	140
UA - 117HT	11.63	2.68	G2"	415/3/50	1140X690X1270	260
UA - 160HT	16.01	3.30	G2"	415/3/50	1200X690X1270	330
UA - 183HT	18.33	4.02	DN65	415/3/50	1450X800X1450	410
UA - 237HT	23.68	5.00	DN65	415/3/50	1450X800X1450	430
UA - 285HT	28.43	5.75	DN80	415/3/50	1650X900X1605	500
UA - 332HT	33.18	6.55	DN80	415/3/50	1700X900X1655	710
UA - 385HT	38.54	7.50	DN100	415/3/50	1800X900X1790	800
UA - 440HT	43.5	9.23	DN100	415/3/50	1950X900X1790	870
UA - 530HT	53.0	11.20	DN125	415/3/50	2100X1050X1800	970

Data refers to the nominal condition: Inlet Temperature 55°C, Ambient Temperature 38°C & Inlet Pressure 7 barg @ Pressure Dew Point +3°C  
 Max Inlet Temperature: 80°C, Max Inlet Pressure: 16 barg, Max Ambient Temperature: 45°C  
 Refrigerant: R22 (Standard), R407C (Optional), UA-16HT - UA-530HT (with built-in aftercooler).

#### CORRECTION FACTOR FOR OPERATING PRESSURE CHANGES:

Inlet Pressure (barg)	<6	7	8	10	12	16
Factor	0.96	1.00	1.10	1.18	1.26	1.41

#### CORRECTION FACTOR FOR AMBIENT TEMPERATURE CHANGES:

Ambient Temperature °C	<32	35	38	40	42	45
Factor	1.11	1.05	1.00	0.95	0.89	0.80

#### CORRECTION FACTOR FOR INLET TEMPERATURE CHANGES:

Inlet Temperature °C	<45	55	65
Factor	1.11	1.00	0.89

#### CORRECTION FACTOR FOR DEW POINT CHANGES:

Dew Point °C	3	5	10
Factor	1.00	1.05	1.10

# Ultra Air reserves the right to make technical changes without prior notice, with it's errors and omissions excepted from any liabilities.



Authorised Dealer :