

Compressed Air Dryers

THT Series High-Temperature Direct Expansion Dryers

Trident Pneumatics' THT Series high-temperature refrigerated dryers are designed for compressed air systems with hot inlet air, often up to 180°F, common in setups without aftercoolers or in hot environments. Standard dryers can't handle these conditions, leading to poor moisture removal and equipment damage. THT Series high-temperature dryers effectively remove moisture, preventing corrosion and quality issues, and often include built-in pre-coolers and condensate drains for efficient, all-in-one operation.

Industries include automotive repair shops, food and beverage processing, pharmaceuticals, metal fabrication, and general manufacturing.



Benefits

Corrosion Resistant

Built with corrosion-resistant, powder-coated steel panels for harsh environments and a patented stainless steel heat exchanger for long-lasting durability. The integrated moisture separator further enhances performance by efficiently removing condensate, ensuring reliable operation in demanding conditions.

Energy Efficient

Equipped with a zero air loss condensate drain to minimize energy consumption. Ensures that only the water is discharged, preserving valuable compressed air and maintaining system pressure. This not only reduces energy consumption but also helps optimize compressor performance and lowers the overall cost of operation.

All-in-One Package

Integrates a pre-cooler, moisture separator, and zero-loss condensate drain into a single compact system. This eliminates the need for multiple separate components, simplifying installation, reducing space requirements, and minimizing maintenance. Users benefit from a more streamlined and efficient compressed air drying solution that saves both time and operational costs.

Ease of Use

Designed for quick, hassle-free installation and straightforward maintenance. With a convenient plug-and-play setup, they require minimal configuration, allowing users to get the system up and running quickly without the need for complex installation procedures. The integrated digital display enhances ease of use by clearly showing system status, including high and low dew point indicators.



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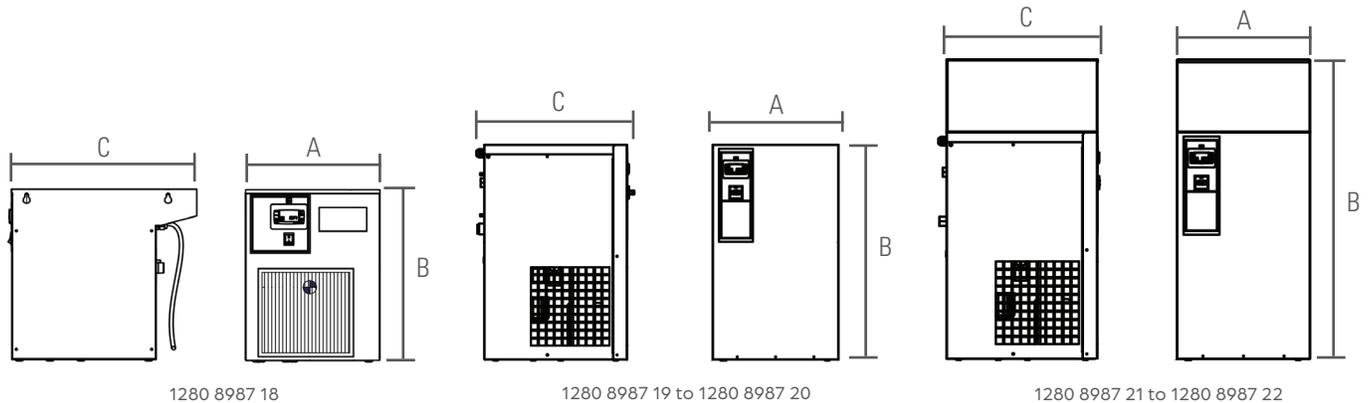
Product Specifications

Ordering Part No.	Inlet & Outlet		Rated Flow ⁽¹⁾ SCFM	Absorbed Power ⁽²⁾ kW	Dimensions (Inches)			Weight lbs	Power Supply (V/Ph/60Hz) 115/1	Pre Filter (optional) Part No.
	NPT				A	B	C			
1280 8987 18	¾" (M)		25	0.47	13.8	19.1	14.9	57	•	8059 2402 32
1280 8987 19	1" (F)		50	1	18.1	31	22.6	108	•	8059 2402 32
1280 8987 20	¾" (F)		75	2.02	18.1	31	22.6	168	•	8059 2402 36
1280 8987 21	¾" (F)		100	1.93	18.1	41	22.6	231	•	8059 2402 36
1280 8987 22	¾" (F)		125	2.4	18.1	41	22.6	236	•	8059 2402 36

Specifications

Design operating pressure range	0 to 232 psig
Maximum inlet temperature	180°F
Maximum ambient temperature	120°F
Inlet filter (optional)	M1 (1 micron)
Condensate drain (included)	zero air loss

- (1) Rated flow capacity: at 125 psig & 180°F inlet conditions, 95°F ambient and a 50°F outlet pressure dew point. For all other conditions, contact support@airandgassolutions.com.
- (2) Including cooling fan, at max conditions. For absorbed power at other voltages or conditions, support@airandgassolutions.com.
- (3) Grade M01 (0.01 micron) after filter sold separately.
- (4) 1280 8987 18 & 1280 8987 19 part numbers include a 10-foot power cord and plug; 1280 8987 20 to 1280 8987 22 part numbers include a 10-foot power cord terminating in leads.



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