



# Non-Cycling Refrigerated Dryers

12-340 m<sup>3</sup>/min (7-200 cfm)



## Designed for Worry-free Air Quality

Ingersoll Rand non-cycling refrigerated dryers make providing continuous dry air as easy as piping a self-contained unit into your compressed air supply line.

Corrosion-resistant heat exchangers, an enhanced control system and high-efficiency moisture-separation ensure a steady long-term supply of dry air. This virtually eliminates cost due to ruined product finishes, scrapped materials or replacement of pneumatic tools and manufacturing equipment destroyed by wet air.

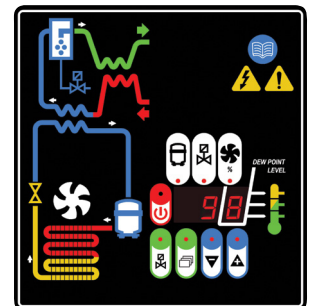
These small-footprint units provide complete, affordable solutions for applications ranging from dry cleaning to auto body shops, to light processing and manufacturing applications. And easy accessibility simplifies routine maintenance.

Minimize your lifecycle costs with efficient, reliable and environmentally sound non-cycling refrigerated dryers for cleaner, drier compressed air.

## Designed for Optimum Efficiency

Our dryers offer multiple design features to ensure a constant dew point at all load levels, and to deliver continuous dry air performance that satisfies ISO7183 and CAGI ADF100 industry standards.

The dryer's full-function controller with enhanced system parameters, diagnostics and alarms is more sophisticated and powerful than similarly sized competitive products. We also test every unit to ensure leak-free operation and compliance with operating specifications.



Microprocessor controller with intuitive graphic interface

## Standard and High Temperature Models

Standard units are rated for 46°C (115°F) ambient air conditions and are suited for most applications. High-temperature models accommodate inlet air temperatures up to 94°C (200°F) and are ideal for use with compressors that do not include built-in aftercoolers.

## Lowest Cost of Ownership

Ingersoll Rand's refrigerated dryers offer design features that reduce energy consumption and improve reliability:

- 1 Corrosion-resistant heat exchangers reduce air flow restrictions, providing more efficient throughput with less wasted energy, and a built-in stainless steel demister efficiently removes all moisture. Air is cooled by cold outgoing air in the pre-cooler/re-heater.
- 2 Microprocessor control with an easy-to-use graphic interface lets you adjust and manage system parameters easily and efficiently.
- 3 Variable-speed fans reduce power consumption when units operate at less than maximum cooling capacity while ensuring a consistent dew point.
- 4 Reliable, fully hermetic compressors use environmentally friendly R134A refrigerant.
- 5 A fully adjustable programmable electronic drain valve helps minimize air loss.



Ingersoll Rand Non-Cycling Refrigerated Dryers 60 Hz Performance											
Model	Flow Rate		Nominal Power Consumption kW	Voltage V/Ph/Hz	Air Connect NPT	Dimensions (Length x Width x Height)		Max Inlet Temperature		Weight	
	m <sup>3</sup> /hr	cfm				mm	in	°C	°F	kg	lb
<b>Standard</b>											
D12IN	12	7	0.16	115/1/60	1/2"	390 x 305 x 408	16.0 x 12.0 x 16.0	60	140	18	40
D18IN	18	11	0.16	115/1/60	1/2"	390 x 305 x 408	16.0 x 12.0 x 16.0	60	140	18	40
D25IN	25	15	0.16	115/1/60	1/2"	390 x 305 x 408	16.0 x 12.0 x 16.0	60	140	18	40
D42IN	42	25	0.21	115/1/60	1/2"	452 x 390 x 453	18.0 x 16.0 x 18.0	60	140	27	60
D54IN	54	32	0.37	115/1/60	1/2"	452 x 390 x 453	18.0 x 16.0 x 18.0	60	140	28	62
D72IN	72	42	0.37	115/1/60	1/2"	452 x 390 x 453	18.0 x 16.0 x 18.0	60	140	28	62
D108IN	108	64	0.48	115/1/60	1/2"	541 x 420 x 563	21.5 x 16.5 x 22.5	60	140	35	77
DA127IN	127	75	0.66	115 or 230/1/60	3/4"	500 x 368 x 617	19.7 x 15.2 x 24.3	49	120	43	94
DA170IN	170	100	0.85	115 or 230/1/60	3/4"	500 x 368 x 617	19.7 x 15.2 x 24.3	49	120	50	110
DA255IN	255	150	0.88	115 or 230/1/60	1-1/2"	770 x 500 x 953	30.3 x 19.7 x 37.5	49	120	70	154
DA340IN	340	200	1.12	115 or 230/1/60	1-1/2"	770 x 500 x 953	30.3 x 19.7 x 37.5	49	120	77	170
<b>High Temperature</b>											
D25IT	25	15	0.21	115/1/60	1/2"	500 x 386 x 661	20.0 x 15.5 x 26.0	94	200	38	84
D42IT	42	25	0.37	115/1/60	1/2"	500 x 386 x 661	20.0 x 15.5 x 26.0	94	200	39	86
D60IT	60	35	0.37	115/1/60	1/2"	500 x 386 x 661	20.0 x 15.5 x 26.0	94	200	39	86
D102IT	102	60	0.48	115/1/60	3/4"	567 x 420 x 771	22.5 x 16.5 x 30.5	94	200	57	126
D140IT	140	82	0.57	115/1/60	3/4"	567 x 420 x 771	22.5 x 16.5 x 30.5	94	200	62	137
DA170IT	170	100	0.71	115/1/60	1"	567 x 420 x 771	22.5 x 16.5 x 30.5	94	200	67	148

Dryer is rated for a ISO Class 6 Dew Point in accordance with ISO8573-1.

Performance data presented in accordance with CAGI Standard ADF 100 using 100°F inlet temperature, 100°F ambient temperature and 100 psig conditions. (150°F inlet and 95°F ambient for High Temperature dryers)



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