

Ingersoll Rand

Refrigerated Dryers
(12 to 480 m³/hr)



Reliable, Clean, Dry Air.

Minimise problems and expenses with an efficient, reliable and environmentally friendly solution for cleaner, drier air.

Designed for Stress-free Air Quality

Ingersoll Rand 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 reduces additional cost associated with ruined product finishes, scrapped materials or replacement of pneumatic tools and manufacturing equipment destroyed by wet air.

This small footprint unit, provides complete, affordable solutions for applications ranging from dry cleaning to automotive body shops, to light processing and manufacturing applications. Easy access simplifies routine maintenance.

Designed for Optimum Efficiency

Our dryers offer multiple design features to ensure a constant dew point at all load levels and will deliver a continuous dry air performance that satisfies ISO 7183 industry standards. The dryers full function control with enhanced control parameters, diagnostics and alarms is more sophisticated and powerful than similarly sized competitive products. We test every unit to ensure leak-free operation and compliance with all operating specifications. The units are rated for 46°C (115°F) ambient air conditions – suitable for most applications.



Progress is greener with Ingersoll Rand

Ingersoll Rand offers industry-leading products and solutions that enable businesses around the world to reduce energy consumption and costs and decrease harmful environmental emissions. From air compressors that reduce energy consumption to electric-powered golf cars with near-zero emissions, Ingersoll Rand provides the knowledge, experience and solutions to help our clients achieve their sustainability goals.

Low Cost of Ownership

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

- 1** Corrosion resistant heat exchangers reduce airflow restrictions, providing more efficient throughput with less wasted energy. A built-in stainless steel de-mister, efficiently removes all moisture.
- 2** Microprocessor control with an easy-to-use graphic interface, lets the operator 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, totally hermetic compressors use environmentally friendly R134A refrigerant.
- 5** The programmable electronic drain valve is fully adjustable to help minimise air loss.



Technical Specifications (Standard Electrics - 230V / 1Ph / 50 Hz)

| Model | Air Flow Rate | | Nominal Power kW | Air Connections BSP | Width mm | Dimensions | | Weight kg |
|--------|--------------------|---------------------|------------------|---------------------|----------|------------|-----------|-----------|
| | m ³ /hr | m ³ /min | | | | Length mm | Height mm | |
| D12IN | 12 | 0.2 | 0.12 | 1/2" | 305 | 360 | 402 | 17 |
| D25IN | 25 | 0.4 | 0.12 | 1/2" | 305 | 360 | 402 | 23 |
| D42IN | 42 | 0.7 | 0.18 | 1/2" | 389 | 431 | 452 | 25 |
| D54IN | 54 | 0.9 | 0.18 | 1/2" | 389 | 431 | 452 | 26 |
| D72IN | 72 | 1.2 | 0.20 | 1/2" | 389 | 431 | 452 | 26 |
| D108IN | 108 | 1.8 | 0.41 | 3/4" | 420 | 515 | 562 | 33 |
| D144IN | 144 | 2.4 | 0.47 | 3/4" | 420 | 515 | 562 | 38 |
| D180IN | 180 | 3.0 | 0.61 | 3/4" | 420 | 515 | 562 | 43 |
| D240IN | 240 | 4.0 | 0.68 | 1-1/2" | 500 | 679 | 978 | 76 |
| D300IN | 300 | 5.0 | 1.04 | 1-1/2" | 500 | 679 | 978 | 87 |
| D360IN | 360 | 6.0 | 1.04 | 1-1/2" | 500 | 679 | 978 | 87 |
| D480IN | 480 | 8.0 | 1.40 | 1-1/2" | 500 | 679 | 978 | 110 |

Dryer is rated for a ISO Class 5 Dew Point in accordance with ISO 8573-1.

Performance data is basis 25°C cooling air temperature, 35°C inlet air temperature, and 7 bar g inlet pressure.



UltraCare.....helping you to maintain a healthy business

A lot can (and will) happen in the life of a compressed air system. With ever increasing demands for machine availability in today's industries, reducing production losses due to unplanned maintenance and downtime is essential.

That is why we offer UltraCare. A responsive, flexible, preventative maintenance program, designed to provide Ingersoll Rand authorised maintenance to ensure increased system reliability. UltraCare helps to eliminate unexpected downtime and costly repairs.



Ingersoll Rand Industrial Technologies provides products, services and solutions that enhance our customers' energy efficiency, productivity and operations. Our diverse and innovative products range from complete compressed air systems, tools and pumps to material and fluid handling systems and environmentally friendly microturbines. We also enhance productivity through solutions created by Club Car®, the global leader in golf and utility vehicles for businesses and individuals.

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