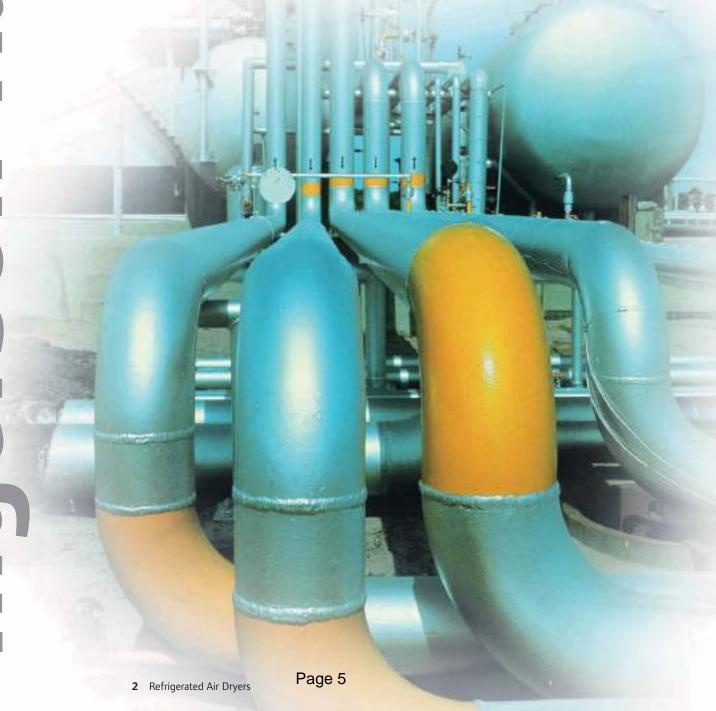
Reliable, Efficient, Low Cost of Ownership

Providing clean, dry, compressed air is especially important in applications where moisture or contamination can cause system corrosion, damage to air-powered tools or degradation of products or processes touched by the compressed air.



Refrigerated dryers from Ingersoll Rand 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.

Clean, Reliable, Refrigerated Air

These units provide complete, affordable solutions for a wide selection of applications, including:

- Dry Cleaning.
- Light Processing.
- Petrochemical.
- Automotive.
- Manufacturing.
- Oil and Gas.

Designed for Optimum Efficiency

Multi-stage filtering helps remove residual contaminants.

Using refrigerated dryers from Ingersoll Rand will provide clean, dry air which means less corrosion in the air distribution system, less damage to air-powered tools and reduced potential for contamination in production process.

Ingersoll Rand offer multiple design features to ensure constant dew point at all load levels and will deliver continuous dry air performance that satisfies ISO 7183 industry standards.

Low Cost of Ownership

Ingersoll Rand's refrigerated dryers provide the very best combination of high efficiency, low pressure drop and small footprint which reduces power consumption, reduces installation time and facilitates maintenance.



Corrosion



Spoiled Paint Finish

Optimise your Choice

The 'D' Refrigerated Dryer Range - one range for all applications. These units provide a small footprint with complete, affordable solutions for applications ranging from dry cleaning to automotive body shops, to light processing and manufacturing applications. The high capacity units are designed for large-scale industrial, automotive and petrochemical applications.

Control Panel: D12IN-A to D480IN-A

- Full feature, multi-function control panel.
- Energy saving mode shuts dryer off during low loads.
- Alarm display:
 - High and very high dew point.
 - Low dew point.
 - Probe failure.
- Fan speed indication.
- Remote alarm contact.
- Service intervals.
- History of last 10 alarms.



Electronic Drain Valve: D12IN-A to D480IN-A

The programmable electronic drain valve is fully adjustable to help minimise air loss.

- Easily adjusted from the dryer control panel to match all possible working conditions.
- Proven reliability thousands in service.
- Includes a strainer for quick maintenance.

Control Panel: D600IN-A to D950IN-A

Includes all the main functions to control and monitor the unit:

- Energy saving mode shuts dryer off during low loads.
- · Alarm display:
 - Dew Point high/low temperature.
 - High ambient temperature.
 - No-loss drain failure.
- Terminal for remote alarm signal.
- Terminal for remote alarm for no-loss drain.
- History of last 10 alarms.

Control Panel: D1300IN-A to D5400IN-A

This range has all the main functions you would expect to control and monitor the unit:

- Energy saving mode shuts dryer off during low loads.
- Alarm display:
 - Dew Point high/low temperature.
 - High ambient temperature.
 - No-loss drain failure.
- Terminal for remote alarm signal.
- Terminal for remote alarm for no-loss drain.
- Remote ON/OFF.
- History of the last 50 alarms.

Electronic No-loss Drain: D600IN-A to D5400IN-A

The powerful no loss electronic drain eliminates the need for pre-setting the unit.

- Using state-of-the-art software and combined with a special transducer interface to measure the presence of condensate, it is released only when needed.
- Continuous monitoring ensures fast, effective discharge of the condensate with no deficit of compressed air.



Advanced Microprocessor Controls: D4620IN-W to D22800IN-W and D6600IN-A to D13500IN-A

- Dew Point high/low temperature.
- Air inlet temperature displays.
- Air outlet temperature.
- Multi level menus to allow user programming.
- Volt free general alarm contact.

Reliable Design

Scroll compressors with corrosion resistant materials deliver cost efficient, long-life performance. They feature fewer moving parts, are fully-instrumented and monitored for reliability and are protected by IP54-rated electrical enclosures.

This makes them the optimum investment for high-volume needs with a lot at stake – and the bigger, the better!

Every unit delivers advanced microprocessor control with multi-level menus, password protection and alarms.

Units with capacities above 150 m³/min also add self-diagnostic software plus the ability to trim energy consumption during periods of reduced demand.





Technical Specifications

Model		5 < 7° C Point		4 < 3° C Point	Nominal Power	Standard Power Supply	Air Connections		imension Length	-	Weight	Max. Working Pressure
	m³/min FAD 20°C	m³/hr FAD 20°C	m³/min FAD 20°C	m³/hr FAD 20°C	kW	V / Ph / Hz	BSP in	mm	mm	mm	kg	bar g
Air Cooled												
D12IN-A	0.2	12	0.2	9.6	0.12	230/1/50	3/8"	305	360	402	17	14
D25IN-A	0.4	25	0.3	20.0	0.12	230/1/50	³ / ₈ "	305	360	402	23	14
D42IN-A	0.7	42	0.6	33.6	0.18	230/1/50	1/2"	389	431	452	25	14
D54IN-A	0.9	54	0.7	43.2	0.18	230/1/50	1/2"	389	431	452	26	14
D72IN-A	1.2	72	1.0	57.6	0.20	230/1/50	1/2"	389	431	452	26	14
D108IN-A	1.8	108	1.4	86.4	0.41	230/1/50	3/4"	420	515	562	33	14
D144IN-A	2.4	144	1.9	115.2	0.47	230/1/50	3/4"	420	515	562	38	14
D180IN-A	3.0	180	2.4	144.0	0.61	230/1/50	3/4"	420	515	562	43	14
D240IN-A	4.0	240	3.2	192.0	0.68	230/1/50	1 1/2"	500	679	978	76	14
D300IN-A	5.0	300	4.0	240.0	1.04	230/1/50	1 ¹ / ₂ "	500	679	978	87	14
D360IN-A	6.0	360	4.8	288.0	1.04	230/1/50	1 1/2"	500	679	978	87	14
D480IN-A	8.0	480	6.4	384.0	1.40	230/1/50	1 ¹ / ₂ "	500	679	978	110	14
D600IN-A	12.0	720	10.0	600.0	1.85	230/1/50	2"	720	780	1425	120	14
D780IN-A	15.6	936	13.0	780.0	1.98	400/3/50	2"	720	780	1425	130	12
D950IN-A	19.0	1140	15.8	950.0	2.58	400/3/50	2"	720	780	1425	150	12
D1300IN-A	26.0	1560	21.7	1300.0	3.40	400/3/50	3"	784	1388	1585	260	12
D1410IN-A	28.2	1692	23.5	1410.0	3.40	400/3/50	3"	784	1388	1585	270	12
D1890IN-A	37.8	2268	31.5	1890.0	5.30	400/3/50	3"	784	1388	1585	300	12
D2520IN-A	50.4	3024	42.0	2520.0	6.88	400/3/50	DN 100	914	1388	1585	330	12
D3000IN-A	60.0	3600	50.0	3000.0	7.81	400/3/50	DN 125	1500	1510	1570	420	12
D4200IN-A	84.0	5040	70.0	4200.0	11.29	400/3/50	DN 125	1500	1510	1570	520	12
D4800IN-A	96.0	5760	80.0	4800.0	12.91	400/3/50	DN 150	1500	1510	1570	620	12
D5400IN-A	108.0	6480	90.0	5400.0	12.91	400/3/50	DN 150	1500	1510	1570	720	12
D6600IN-A	127.0	7618	102.7	6162.0	9.90	400/3/50	DN 150	910	1940	1447	624	14
D9000IN-A	160.5	9630	130.4	7822.0	11.00	400/3/50	DN 200	930	3000	2079	1077	14
D11400IN-A	204.1	12249	165.9	9952.0	14.35	400/3/50	DN 200	930	3000	2079	1102	14
D13500IN-A	261.5	15692	212.9	12772.0	19.84	400/3/50	DN 250	1150	3390	2210	1850	12
Water Cooled	ł											
D4620IN-W	81.8	4909	65.8	3948.0	5.23	400/3/50	DN 150	910	1940	1310	560	14
D5400IN-W	104.7	6282	84.1	5045.0	6.76	400/3/50	DN 150	910	1940	1310	526	14
D6600IN-W	133.6	8015	105.7	6343.0	9.00	400/3/50	DN 150	910	1940	1310	659	14
D9000IN-W	163.8	9825	131.6	7897.0	10.47	400/3/50	DN 200	930	3000	1927	1055	14
D11400IN-W	209.8	12588	168.5	10113.0	14.23	400/3/50	DN 200	930	3000	1927	1065	14
D13500IN-W	267.6	16055	214.6	12876.0	19.40	400/3/50	DN 250	2975	1165	1980	1730	12
D18000IN-W	372.1	22326	300.3	18017.0	23.70	400/3/50	DN 300	3575	1315	2230	2750	12
D22800IN-W	471.5	28291	380.0	22802.0	31.54	400/3/50	DN 300	3575	1315	2230	2785	12
DZZOUUIN-W	4/1.5	20231	300.0	22002.0	4د.۱د	-t00/ J/ J0	טוע טענ	27/2	כוכו	2230	2/03	14

Notes:

1) Data refers to the following conditions: air FAD 20°C/1 bar a, pressure 7 bar g, ambient temperature 25°C, air inlet temperature 35°C, water inlet temperature = 30°C, condensing mean temperature = 40°C, stated pressure dew points in accordance with ISO 8573-1:2001 standards.

Maximum Inlet Temperature		Maximum Ambient Temperature		
D12IN-A to D5400IN-A	60 °C	D12IN-A to D950IN-A	50 °C	
D6600IN-A to D13500IN-A	65 °C	D1300IN-A to D13500IN-A	46 °C	
D4620IN-W to D22800IN-W	65 °C	D4620IN-W to D22800IN-W	46 °C	
Water Connections BSP (inches)				
D4620IN-W to D6600IN-W	1 ¹ / ₂ "			
D9000IN-W to D22800IN-W	2"			

If Pressostatic valve option installed on D13500IN-W, D18000IN-W & D22800IN-W, the inlet water connection changes to two 1 $^{1}/_{2}$ " BSP connections.

Features

Features	D12IN-A	D240IN-A	Air Coo D600IN-A	oled D1300IN-A	D6600IN-A		Water D4620IN-W	Cooled D13500IN-W
	to D180IN-A	to D480IN-A	to D950IN-A	to D5400IN-A	to D11400IN-A	D13500IN-A	to D11400IN-W	to D22800IN-W
Dew Point Indication	✓	1	1	1	/	✓	✓	✓
On/off Switch		✓	✓	1	1	1	1	✓
Terminal for Remote Alarm Signal	/	✓	1	/	1	/	/	/
Remote Control				✓	1	1	✓	✓
Energy Saving Mode	✓	✓	✓	1	✓	1	1	1
Remote ON/OFF Switch				✓	✓	1	✓	✓
High Pressure Switch	✓	✓	✓	1	/	1	/	1
Variable Speed Fan	✓	✓						
Fan Pressure Switch			✓	1	/	1		
History of Last 10 Alarms	✓	✓	✓					
History of Last 50 Alarms				1	/	1	✓	✓
Hot Gas By-pass Valve		✓	✓	1	✓	✓	✓	✓
Electronic No-loss Drain			1	1	✓	✓	✓	1
Electronic Drain Valve	✓	✓						
Internal Pre-filter						1		/

Maintaining air quality is so important that the International Standards Organisation (ISO) developed six compressed air quality classes, as defined by ISO 8573-1:2001.

ISO 8573-1:2001 Air Quality Classes

Quality Class	Solid - Max	imum Number of Partic	Water Pressure	Oil & Oil Vapour	
	0.1-0.5 micron	0.5-1 micron	1-5 micron	Dew Point °C	mg/m³
0	As specified by th	e end-user or manufacturer	and more stringent than Class 1		
1	100	1	0	-70°C	0.01
2	100, 000	1000	10	-40°C	0.1
3	N/A	10,000	500	-20°C	1
4	N/A	N/A	1,000	3°C	5
5	N/A	N/A	20,000	7°C	N/A
6	N/A	N/A	N/A	10°C	N/A

To determine which industry classification you require, ask yourself these simple questions:

- Does compressed air quality affect my production process and the quality of my end products?
- · Will poor compressed air quality decrease my productivity, cost savings and product quality standards?
- · What internal and external ambient conditions affect the quality of my compressed air produced by my system?