



Water-cooled and Seawater-cooled Refrigerated Air Dryers



Innovation

Reliability

Efficiency

Reliable, Efficient, Low Cost of Ownership

Water-cooled and Seawater-cooled 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.

Features	Water-cooled				Seawater-cooled	
	D600IN-W to D950IN-W	D1300IN-W to D5400IN-W	D6600IN-W to D11400IN-W	D13500IN-W to D22800IN-W	D600IN-SW to D950IN-SW	D1300IN-SW to D5400IN-SW
ON/OFF Switch	✓	✓	✓	✓	✓	✓
Terminal for Remote Alarm Signal	✓	✓	✓	✓	✓	✓
Remote Control		✓	✓	✓		✓
Energy Saving Mode	✓	✓	✓	✓	✓	✓
Remote ON/OFF Switch		✓	✓	✓		✓
High Pressure Switch	✓	✓	✓	✓	✓	✓
Fan Pressure Switch	✓	✓			✓	✓
History of Last 10 Alarms	✓				✓	
History of Last 50 Alarms		✓	✓	✓		✓
Hot Gas By-pass Valve	✓	✓	✓	✓	✓	✓
Electronic No-loss Drain	✓	✓	✓	✓	✓	✓
Internal Pre-filter				✓		
Shell and tube Cupro-nickel Condenser					✓	✓
Stainless steel Pressostatic Valve					✓	✓
Seawater resistant electronic No-loss Drain					✓	✓
Dew Point Indication	✓	✓	✓	✓	✓	✓

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.

ISO 8573-1:2001 Air Quality Classes

Quality Class	Solid - Maximum Number of Particles per m³			Water Pressure Dew Point °C	Oil & Oil Vapour mg/m³
	0.1-0.5 micron	0.5-1 micron	1-5 micron		
0	As specified by the 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

Environmental Friendly Refrigerant

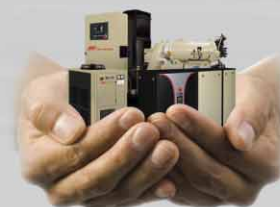
D600IN-W to D950IN-W	R407C
D600IN-SW to D950IN-SW	R407C
D600IN-W to D5400IN-W	R507
D600IN-SW to D5400IN-SW	R507
D6600IN-W to D22800IN-W	R407C

Progress is *greener* with Ingersoll Rand

Ingersoll Rand UltraCare - Helping you maintain a healthy business

Ultra Care five year maintenance and performance agreements have been designed to be easy to understand with absolutely no surprises.

Find out more about protecting the heart of your business contact your local distributor or Ingersoll Rand Sales office.



Technical Specifications - All Options Available as 50 and 60 Hz

Model	Class 5 < 7° C Dew Point		Class 4 < 3° C Dew Point		Nominal Power	Standard Power Supply V / Ph	Air Connections	Water Connections	Dimensions			Weight	Max. Working Pressure bar g
	m³/min FAD 20°C	m³/hr FAD 20°C	m³/min FAD 20°C	m³/hr FAD 20°C					W mm	L mm	H mm		
Water-cooled													
D600IN-W	12.0	720	10.0	600.0	1.12	230/1	2"	¾"	720	750	1350	120	12
D780IN-W	15.6	936	13.0	780.0	1.89	400/3	2"	¾"	720	750	1425	130	12
D950IN-W	19.0	1140	15.8	950.0	1.89	400/3	2"	¾"	720	750	1425	150	12
D1300IN-W	26.0	1560	21.7	1300.0	3.4	400/3	3"	1½"	754	1318	1585	260	12
D1410IN-W	28.2	1692	23.5	1410.0	3.4	400/3	3"	1½"	754	1318	1585	270	12
D1890IN-W	37.8	2268	31.5	1890.0	5	400/3	3"	1½"	754	1318	1585	300	12
D2520IN-W	50.4	3024	42.0	2520.0	6.6	400/3	DN 100	1½"	754	1318	1585	330	12
D3000IN-W	60.0	3600	50.0	3000.0	7.4	400/3	DN 125	1½"	1320	1510	1570	420	12
D4200IN-W	84.0	5040	70.0	4200.0	10.7	400/3	DN 125	1½"	1320	1510	1570	520	12
D4800IN-W	96.0	5760	80.0	4800.0	12.3	400/3	DN 150	1½"	1320	1510	1570	620	12
D5400IN-W	108.0	6480	90.0	5400.0	12.3	400/3	DN 150	1½"	1320	1510	1570	720	12
D6600IN-W	133.6	8015	105.7	6343.0	9.00	400/3	DN 150	1½"	910	1940	1310	659	14
D9000IN-W	163.8	9825	131.6	7897.0	10.47	400/3	DN 200	2"	930	3000	1927	1055	14
D11400IN-W	209.8	12588	168.5	10113.0	14.23	400/3	DN 200	2"	930	3000	1927	1065	14
D13500IN-W	267.6	16055	214.6	12876.0	19.40	400/3	DN 250	2"	2975	1165	1980	1730	12
D18000IN-W	372.1	22326	300.3	18017.0	23.70	400/3	DN 300	2"	3575	1315	2230	2750	12
D22800IN-W	471.5	28291	380.0	22802.0	31.54	400/3	DN 300	2"	3575	1315	2230	2785	12
Seawater-cooled													
D600IN-SW	12.0	720	10.0	600.0	1.12	230/1	2"	¾"	720	750	1350	120	12
D780IN-SW	15.6	936	13.0	780.0	1.89	400/3	2"	¾"	720	750	1425	130	12
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Maximum Inlet Temperature

D600IN-W to D5400IN-W	60 °C
D6600IN-A to D22800IN-W	65 °C
D600IN-SW to D5400IN-SW	60 °C

Maximum Ambient Temperature

D600IN-W to D950IN-W and D600IN-SW to D950IN-SW	50 °C
D1300IN-W to D22800IN-W and D1300IN-SW to D22800IN-SW	46 °C

Water Connections BSP (inches)

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



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Ingersoll Rand Industrial Technologies
Swan Lane, Hindley Green
Wigan WN2 4EZ, UK
Tel: +44 (0) 1942 257171
Fax: +44 (0) 1942 254162
Email: ingersollranduk@irco.com



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