



High Pressure Refrigerated Dryers (40 bar g)

54 m³/hr to 660 m³/hr

For High Pressure Applications

Minimise problems and expenses with our efficient, reliable and environmentally friendly solution for High Pressure compressed air systems.



*Innovation
Reliability
Efficiency*

High Pressure Refrigerated Dryers (40 Bar g) / Air Cooled Series

Designed for Reliability

Our dryers offer multiple design features to ensure a constant dew point at all load.

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.

All units are rated for a maximum pressure of 40 bar g – a perfect match for high pressure compressors and high pressure filters, also available from Ingersoll Rand.

Technical Specifications

Model	Class 5 < 7 °C dew point FAD 20 °C		Class 4 < 3 °C dew point FAD 20 °C		Nominal power kW	Standard power supply V / Ph / Hz	Air connection (BSP) in	Dimensions			Weight kg	Max. working pressure bar g
	m ³ /min	m ³ /h	m ³ /min	m ³ /h				Length mm	Width mm	Height mm		
D54IN-HP	0.9	54	0.7	43	0.20	230/1/50	1/2"	420	515	565	26	40
D72IN-HP	1.2	72	1.0	58	0.20	230/1/50	1/2"	420	515	565	26	40
D108IN-HP	1.8	108	1.4	86	0.41	230/1/50	1/2"	420	515	565	33	40
D144IN-HP	2.4	144	1.9	115	0,47	230/1/50	1/2"	420	515	565	34	40
D180IN-HP	3.0	180	2.4	144	0,61	230/1/50	1/2"	420	515	565	43	40
D270IN-HP	4.5	270	3.2	192	1.43	230/1/50	1"	500	680	980	85	40
D360IN-HP	6.0	360	4.8	288	1.43	230/1/50	1"	500	680	980	87	40
D480IN-HP	8.0	480	6.4	384	2.30	230/1/50	1"	500	680	980	110	40
D660IN-HP	11.0	660	10.0	600	2.30	230/1/50	1"	500	680	980	120	40

Note: Data refers to the following conditions: air FAD 20 °C/1 bar a, pressure 40 bar g, ambient temperature 25 °C, air inlet temperature 35 °C, stated pressure dew points in accordance with ISO 8573.1 standards.

Maximum Inlet Temperature: 55 °C

Maximum Ambient Temperature: 45 °C

Refrigerant Type: R134a

Features

Standard features	D54IN-HP to D180IN-HP	D144IN-HP to D480IN-HP	D660IN-HP
Dew Point Indication	yes	yes	yes
ON/OFF Switch	—	yes	yes
Terminal for Remote Alarm Signal	yes	yes	yes
Energy Saving Mode	yes	yes	yes
High Pressure Switch	yes	yes	yes
Variable Speed Fan	yes	yes	—
Fan Pressure Switch	—	—	yes
History of Last 10 Alarms	yes	yes	yes
Hot Gas By-pass Valve	—	yes	yes
Electronic No-loss Drain	—	—	yes
Electronic Drain Valve	yes	yes	—
60 Hz version	Option available on request		

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