



mb air systems ltd



# High Pressure Refrigerated Dryers (40 bar g)

54 m<sup>3</sup>/hr to 660 m<sup>3</sup>/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 <sup>3</sup> /min	m <sup>3</sup> /h	m <sup>3</sup> /min	m <sup>3</sup> /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		

Ingersoll Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll Rand does not approve specialised equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service. Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of product shall be in accordance with Ingersoll Rand's standard terms and conditions of sale for such products, which are available upon request.

Product improvement is a continuing goal at Ingersoll Rand. Designs and specifications are subject to change without notice or obligation.





engineering solutions

compressed air design product finishing  
offshore lifting service pneumatics & tools