Hankison™

Unlock your compressed air system potential

Direct Expansion Refrigerated Air Dryers

HDI 12-23000

Compressed Air Technology Innovation

hankisonair.com

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Discover the new Hankison dryers range

Introducing Hankison's Direct Expansion Refrigerated Air Dryers, a new addition to our product line that embodies the principles of reliability and efficiency. These dryers are designed to provide consistent high performance and optimum efficiency for a wide range of industrial compressed air applications. Our dryers offer a range of solutions for drying utilizing modern cooling technology. They are available in a broad range of models, with air flow rates ranging from **12 m³/h to 23.000 m³/h (at 3°C).** All models from this range feature the **ISO Class 4.**

Browse the brochure to learn more about their unique features, specifications and how they can help you bring your operations and profits to a new level.

Energy-efficient

Reliable

Flexible

Compact

ISO Class 4

Request a Quote

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Applications

Providing a small footprint with complete, affordable solutions, the new Hankison HDI series of Direct Expansion Refrigerated Air Dryers are suitable for a wide range of applications where dry, clean compressed air is needed.

The HDI dryers are especially recommended for use in chemical, pharmaceutical, petrochemical and electronics sectors' compressed air applications but will be a great choice for other sectors as well!

Request a quote today and our experienced sales representatives will help you choose the best solution for your needs.

Chemicals **Pharmaceuticals** **Electronics**

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Technology that makes a difference

Our dryers are characterized by their well-recognized energy efficiency, which helps to reduce running costs, thanks to the patented heat exchanger technology.

They feature a high-quality heat exchanger with low pressure loss, and an Anti-freeze mode that prevents icing. They are easy to install, operate, and maintain, with a compact design and a multi-function control panel. Request a quote today to start you journey towards obtaining a dryer system that will bring your operations to a new level of efficiency.

Features are your benefits

Air Cooled Condensation (as standard)
Water and Sea Water versions are optional from 600 m^3/h.

Victaulic Connections (optional)
For quick and easy connection of pipework.

Reliable Design
Scroll compressors with corrosion resistant materials. They feature fewer moving parts, are fully-instrumented and monitored for reliability, and are protected by IP42 rated electrical enclosures.

Reduced Footprint
30% smaller than previous model.

Innovative Control Panel
With all the main functions you would expect to control and monitor the unit:

- Anti freeze mode – shuts dryer off to avoid icing
- Alarm display: Dew Point, high/low temperature, High ambient temperature
- Remote ON/OFF (optional)
- Alarm history
- Condensate drain management

New Heat Exchangers
Designed and developed in our laboratories to deliver the highest levels of performance with the lowest pressure drop. The adoption of the new Hankison heat exchanger has enabled the removal of the inlet and outlet headers.

Innovative No-loss Drain
With sensor installed directly in the moisture separator and control logic managed by the main Control Panel.

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HDI 12-25

R513A Refrigerant

ISO Class 4

Technical Data HDI 12-25

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m³/h	5°C m³/h	7°C m³/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 12	12	13	14	3/8"	R513A	230/1/50	Timer-controlled	0.12	16	60	50	305	360	408	19
HDI 25	25	27	30	3/8"	R513A	230/1/50	Timer-controlled	0.12	16	60	50	305	360	408	19

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HDI 42-260

R513A Refrigerant

ISO Class 4

Technical Data HDI 42-260

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m³/h	5°C m³/h	7°C m³/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 42	42	46	50	1/2"	R513A	230/1/50	Timer-controlled	0.14	16	60	50	390	432	453	26
HDI 54	54	59	64	1/2"	R513A	230/1/50	Timer-controlled	0.17	16	60	50	390	432	453	28
HDI 72	72	78	85	1/2"	R513A	230/1/50	Timer-controlled	0.17	16	60	50	390	432	453	28
HDI 108	108	118	127	3/4"	R513A	230/1/50	Timer-controlled	0.41	16	60	50	420	516	563	36
HDI 144	144	157	170	3/4"	R513A	230/1/50	Timer-controlled	0.50	16	60	50	420	516	563	42
HDI 180	180	196	212	3/4"	R513A	230/1/50	Timer-controlled	0.50	16	60	50	420	516	563	44
HDI 225	225	245	266	1"	R407C	230/1/50	Timer-controlled	0.60	16	60	50	485	595	614	48
HDI 260	260	283	307	1"	R407C	230/1/50	Timer-controlled	0.60	16	60	50	485	595	614	49

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HDI 300-480

Technical Data HDI 300-480

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m^3/h	5°C m^3/h	7°C m^3/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 300	300	327	354	1-1/2"	R407C	230/1/50	Timer-controlled	0.90	16	60	50	500	718	980	79
HDI 360	360	392	425	1-1/2"	R407C	230/1/50	Timer-controlled	0.90	16	60	50	500	718	980	79
HDI 480	480	523	566	1-1/2"	R407C	230/1/50	Timer-controlled	1.24	16	60	50	500	718	980	85

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HDI 600-950

Technical Data HDI 600-950

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m³/h	5°C m³/h	7°C m³/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 600	600	654	708	2"	R407C	230/1/50	No Loss	1.24	16	60	50	779	720	1360	134
HDI 780	780	850	920	2"	R407C	400/3/50	No Loss	2.14	16	60	50	779	720	1360	164
HDI 950	950	1036	1121	2"	R407C	400/3/50	No Loss	2.14	13	60	50	779	720	1360	168

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HDI 1300-2600

ISO Class 4

Technical Data HDI 1300-2600

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m³/h	5°C m³/h	7°C m³/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 1300	1300	1417	1534	3"	R407C	400/3/50	No Loss	2.78	14	60	46	806	1012	1539	234
HDI 1500	1500	1635	1770	3"	R407C	400/3/50	No Loss	2.78	14	60	46	806	1012	1539	234
HD1 1800	1800	1962	2124	3"	R407C	400/3/50	No Loss	2.78	14	60	46	806	1012	1539	234
HDI 2250	2250	2453	2655	3"	R407C	400/3/50	No Loss	3.54	14	60	46	806	1012	1539	260
HDI 2600	2600	2834	3068	3"	R407C	400/3/50	No Loss	4.55	14	60	46	806	1012	1539	260

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HDI 3200-4800

Technical Data HDI 3200-4800

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m³/h	5°C m³/h	7°C m³/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 3200	3200	3488	3776	DN150 PN16	R410A	400/3/50	No Loss	5.29	14	60	46	880	1819	1796	425
HDI 4200	4200	4578	4956	DN150 PN16	R410A	400/3/50	No Loss	6.91	14	60	46	880	1819	1796	440
HDI 4800	4800	5232	5664	DN150 PN16	R410A	400/3/50	No Loss	6.91	14	60	46	880	1819	1796	440

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HDI 5400-6650

ISO Class 4

Technical Data HDI 5400-6650

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m³/h	5°C m³/h	7°C m³/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 5400	5400	5886	6372	DN150 PN16	R407C	400/3/50	No Loss	9.52	13	60	46	1510	1500	1555	700
HDI 6650	6650	7249	7847	DN150 PN16	R407C	400/3/50	No Loss	10.98	13	60	46	1510	1500	1555	720

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HDI 8800-23000

Technical Data HDI 8800-23000

Model Name	Air Flow			Air Connections	Refrigerant	Power Supply	Condensate Drain	Absorbed Nominal Power	Max Pressure	Max Inlet	Max Ambient	Dimensions (mm)			Weight
Air Cooled	3°C m³/h	5°C m³/h	7°C m³/h	BSPP		V/ph/Hz		kW	barg	°C	°C	W	D	H	kg
HDI 8800	8800	9592	10384	DN200 PN16	R407C	400/3/50	No Loss	14.96	13	60	46	2270	1590	1570	1058
HDI 9600	9600	10464	11328	DN200 PN16	R407C	400/3/50	No Loss	14.96	13	60	46	2270	1590	1570	1128
HDI 11500	11500	12535	13570	DN200 PN16	R407C	400/3/50	No Loss	18.16	13	60	46	2270	1590	1570	1205
HDI 13300	13300	14497	15694	DN200 PN16	R407C	400/3/50	No Loss	22.32	13	60	46	3025	1590	1570	1360
HDI 17600	17600	19184	20768	2 x DN200 PN16	R407C	400/3/50	No Loss	29.92	13	60	46	4600	1590	1570	2116
HDI 19200	19200	20928	22656	2 x DN200 PN16	R407C	400/3/50	No Loss	29.92	13	60	46	4600	1590	1570	2256
HDI 23000	23000	25070	27140	2 x DN200 PN16	R407C	400/3/50	No Loss	36.32	13	60	46	4600	1590	1570	2720

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Aftermarket Solutions

Proper maintenance of your compressed air-drying equipment can prevent high costs and lost time due to down time of your installation. Regular maintenance is required not only to minimize the risk of compressed air system breakdowns, but to extend the lifetime of your machines.

Yearly maintenance improves dryers' and compressors efficiency and helps to identify issues in advance that may cause the compressor or dryer to consume more energy than necessary.

For all our dryers, we have genuine Hankison spare parts and Maintenance Kits are available on stock. The kits are meeting the required frequency for maintenance, 1-year, or 5-years. For our desiccant dryers we can deliver molecular sieve and activated alumina in different sizes from stock, like our Premium HQ-A4, which is our 4mm premium quality activated alumina.

Refrigerant Dryers

- 1 year service kits
- Main components

Desiccant Dryers

- 1 year service kits
- 5 year service kits
- Main components
- Desiccant test kit

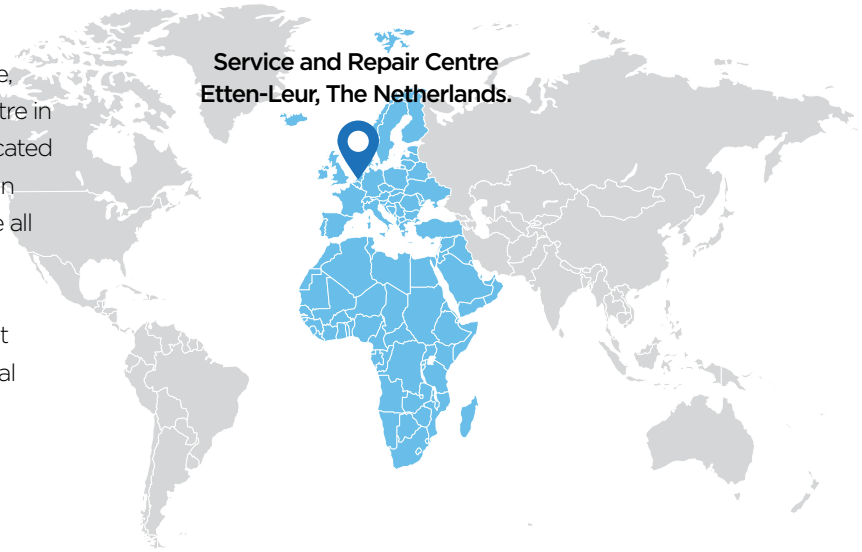
Filters

- Elements
- Accessories

Service Centres

Beside our large distribution, service network in Europe, Hankison has a state of the art Service and Repair Centre in the Netherlands located in Etten-Leur with highly educated engineers and technicians. In this Service Centre we can calibrate our customers' dewpoint sensors and analyse all type of desiccants in our laboratory.

For further details, information and support, please visit our website **www.hankisonair.com** or contact your local Hankison distributor.



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Compressed Air
Technology Innovation

Hankison is a global leader in the manufacture of efficient dehydration, filtration, and air purification solutions. Thanks to our range of technologically advanced products delivering clean, dry air, you can reduce your operational costs and enhance your compressed air equipment longevity, and end product quality. Visit our website, discover our extensive portfolio of products and request a quote today.

Hankison™

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