

HDI-VS dryers overview

HDI-VS adds variable-speed efficiency to Hankison's direct expansion range. Inverter-driven compressor and fans modulate power from 20-100% to match load, maintaining a stable +3°C pressure dew point (ISO 8573-1 Class 4) while cutting energy use—especially at partial load and seasonal lows. An electronic hot gas bypass ensures smooth capacity control and PDP stability at very low demand. A 4.3" touch controller provides weekly scheduling, instantaneous power display and Modbus RS485 connectivity.

Flow range: **1,260-8,832 m³/h at +3°C PDP (ISO 7183)**. Compared to standard fixed-speed HDI, HDI-VS aligns electrical input to demand and offers selectable Cycling/No-Cycling and ECO modes for added savings.



Key benefits:



Energy Efficiency



Superior Reliability



Flexible



Compact



ISO Class 4



R513A Refrigerant

Technical data - HDI-VS air cooled models

Model Name	Volume Flow		Refrigerant gas	Power Supply	Absorbed Nominal Power	Pressure Dew Point	Max Pressure	Air connections	Dimensions	Weight	Max Ambient Temperature	Max Inlet Temperature
Air Cooled	[l/min]	[m³/h]		[V/ph/Hz]	[kW]	[°C]	[bar(g)]	BSP / DN	[mm]	[kg]		
HDI1260VS-A	21.000	1.260	R513A	400/3/50	2	3	16	DN80 PN16	790x1000x1595	249	45	70
HDI1800VS-A	30.000	1.800	R513A	400/3/50	3.1	3	16	DN80 PN16	790x1000x1595	276	45	70
HDI2200VS-A	36.800	2.208	R513A	400/3/50	3.9	3	16	DN80 PN16	790x1000x1595	296	45	70
HDI2400VS-A	40.000	2.400	R513A	400/3/50	4.3	3	16	DN100 PN16	1135x1203x1747	510	45	70
HDI3000VS-A	50.000	3.000	R513A	400/3/50	5	3	16	DN100 PN16	1135x1203x1747	590	45	70
HDI3600VS-A	60.000	3.600	R513A	400/3/50	6	3	16	DN100 PN16	1135x1203x1747	597	45	70
HDI4400VS-A	73.600	4.416	R513A	400/3/50	8.2	3	16	DN100 PN16	1135x1203x1747	669	45	70
HDI5400VS-A	90.000	5.400	R513A	400/3/50	8.6	3	16	DN150 PN16	1300x1750x1810	1000	45	70
HDI6600VS-A	110.400	6.624	R513A	400/3/50	9.7	3	16	DN150 PN16	1300x1750x1810	1110	45	70
HDI7200VS-A	120.000	7.200	R513A	400/3/50	11	3	16	DN200 PN16	1400x2200x1870	1330	45	70
HDI8800VS-A	147.200	8.832	R513A	400/3/50	14.2	3	16	DN200 PN16	1400x2200x1870	1510	45	70
HDI10800VS-A	180.000	10.800	R513A	400/3/50	16.7	3	16	DN200 PN16	1451x3196x2427	2280	45	70
HDI13200VS-A	220.000	13.248	R513A	400/3/50	19.3	3	16	DN200 PN16	1451x3196x2427	2310	45	70
HDI14400VS-A	240.000	14.400	R513A	400/3/50	22.6	3	16	DN250 PN16	1451x3196x2427	2470	45	70
HDI17600VS-A	294.000	17.664	R513A	400/3/50	30.7	3	16	DN250 PN16	1451x3196x2427	2850	45	70



Technical data - HDI-VS water cooled models

Model Name	Volume Flow		Refrigerant gas	Power Supply	Absorbed Nominal Power	Pressure Dew Point	Max Pressure	Air connections	Dimensions	Weight	Max Ambient Temperature	Max Inlet Temperature
Water Cooled	[l/min]	[m³/h]		[V/ph/Hz]	[kW]	[°C]	[bar(g)]	BSP / DN	[mm]	[kg]		
HDI1260VS-W	21.000	1.260	R513A	400/3/50	1.7	3	16	DN80 PN16	790x1000x1595	232	45	70
HDI1800VS-W	30.000	1.800	R513A	400/3/50	2.6	3	16	DN80 PN16	790x1000x1595	255	45	70
HDI2200VS-W	36.800	2.208	R513A	400/3/50	3.4	3	16	DN80 PN16	790x1000x1595	271	45	70
HDI2400VS-W	40.000	2.400	R513A	400/3/50	3.8	3	16	DN100 PN16	1135x1203x1747	475	45	70
HDI3000VS-W	50.000	3.000	R513A	400/3/50	4.0	3	16	DN100 PN16	1135x1203x1747	547	45	70
HDI3600VS-W	60.000	3.600	R513A	400/3/50	5.2	3	16	DN100 PN16	1135x1203x1747	554	45	70
HDI4400VS-W	73.600	4.416	R513A	400/3/50	7.2	3	16	DN100 PN16	1135x1203x1747	616	45	70
HDI5400VS-W	90.000	5.400	R513A	400/3/50	7.5	3	16	DN150 PN16	1300x1750x1810	940	45	70
HDI6600VS-W	110.400	6.624	R513A	400/3/50	8.3	3	16	DN150 PN16	1300x1750x1810	1110	45	70
HDI7200VS-W	120.000	7.200	R513A	400/3/50	9.4	3	16	DN200 PN16	1400x2200x1870	1330	45	70
HDI8800VS-W	147.200	8.832	R513A	400/3/50	12.5	3	16	DN200 PN16	1400x2200x1870	1510	45	70
HDI10800VS-W	180.000	10.800	R513A	400/3/50	15.1	3	16	DN200 PN16	1451x3196x2427	2180	45	70
HDI13200VS-W	220.000	13.248	R513A	400/3/50	16.6	3	16	DN200 PN16	1451x3196x2427	2210	45	70
HDI14400VS-W	240.000	14.400	R513A	400/3/50	18.8	3	16	DN250 PN16	1451x3196x2427	2370	45	70
HDI17600VS-W	294.000	17.664	R513A	400/3/50	25	3	16	DN250 PN16	1451x3196x2427	2750	45	70

