Variable speed refrigerated dryers



The variable speed refrigerated dryer was created to meet the latest energy saving and low environmental impact market demands.

The low environmental impact R513A refrigerant gas combined with a variable speed operation is the height of technological evolution and maximizes respect for the environment. By using inverters, it is possible to modulate the electrical power input by the scroll compressor and fans according to the thermal load required by the user.

Advantages of the dryers:

- **optimised consumption and performance under all load conditions.**
- **reduced running cost;**
- **R513A refrigerant**

Many testing hours in our R&D laboratories have confirmed the reliability, robustness and performance of the variable speed refrigerated dryers, made of high quality materials, mechanical and electronic components from leading international brands in the industrial refrigeration sector.

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- **4.3” capacitive touch screen display** that constantly monitors the operating pressure and temperature values and adjusts the compressor and fan speeds. This ensures an extremely stable dew-point under all operating conditions
- **Electronic Hot Gas By-pass Valve** enables a non-cycling mode. This function allows maximum performance even in conditions of low thermal loads: the compressor, in this condition, never shuts down, remaining at minimum speed and guaranteeing continuous and stable regulation
- **No-Loss Drains:** to maximize energy savings all variable speed refrigerated dryers are equipped with Electronic Zero Loss Drain.



Specification

Air Cooled

Models	Capacity 3°C PDP m3/h	Nominal kW	Power supply V / ph / Hz	Max Pressure barg	Refrigerant	Dimensions (A x B x C) mm			Weight kg
D1260VS-A	1,260	2	400 / 3 / 50	16	R513A	790	1,000	1,595	249
D1800VS-A	1,800	3.1	400 / 3 / 50	16	R513A	790	1,000	1,595	276
D2200VS-A	2,208	3.9	400 / 3 / 50	16	R513A	790	1,000	1,595	296
D2400VS-A	2,400	4.3	400 / 3 / 50	16	R513A	1,135	1,203	1,747	510
D3000VS-A	3,000	5	400 / 3 / 50	16	R513A	1,135	1,203	1,747	590
D3600VS-A	3,600	6	400 / 3 / 50	16	R513A	1,135	1,203	1,747	597
D4400VS-A	4,416	8.2	400 / 3 / 50	16	R513A	1,135	1,203	1,747	669
D5400VS-A	5,400	8.6	400 / 3 / 50	16	R513A	1,300	1,750	1,810	1,000
D6600VS-A	6,624	9.7	400 / 3 / 50	16	R513A	1,300	1,750	1,810	1,110
D7200VS-A	7,200	11	400 / 3 / 50	16	R513A	1,400	2,200	1,870	1,330
D8800VS-A	8,832	14.2	400 / 3 / 50	16	R513A	1,400	2,200	1,870	1,510
D10800VS-A	10,800	16.7	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,280
D13200VS-A	13,248	19.3	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,310
D14400VS-A	14,400	22.6	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,470
D17600VS-A	17,664	30.7	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,850

Water cooled

Models	Capacity 3°C PDP m3/h	Nominal Power kW	Power supply V / ph / Hz	Max Pressure barg	Refrigerant	Dimensions (A x B x C) mm			Weight kg
D1260VS-W	1,260	1.7	400 / 3 / 50	16	R513A	790	1,000	1,595	232
D1800VS-W	1,800	2.6	400 / 3 / 50	16	R513A	790	1,000	1,595	255
D2200VS-W	2,208	3.4	400 / 3 / 50	16	R513A	790	1,000	1,595	271
D2400VS-W	2,400	3.8	400 / 3 / 50	16	R513A	1,135	1,203	1,747	475
D3000VS-W	3,000	4	400 / 3 / 50	16	R513A	1,135	1,203	1,747	547
D3600VS-W	3,600	5.2	400 / 3 / 50	16	R513A	1,135	1,203	1,747	554
D4400VS-W	4,416	7.2	400 / 3 / 50	16	R513A	1,135	1,203	1,747	616
D5400VS-W	5,400	7.5	400 / 3 / 50	16	R513A	1,300	1,750	1,810	940
D6600VS-W	6,624	8.3	400 / 3 / 50	16	R513A	1,300	1,750	1,810	1,110
D7200VS-W	7,200	9.4	400 / 3 / 50	16	R513A	1,400	2,200	1,870	1,330
D8800VS-W	8,832	12.5	400 / 3 / 50	16	R513A	1,400	2,200	1,870	1,510
D10800VS-W	10,800	15.1	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,180
D13200VS-W	13,248	16.6	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,210
D14400VS-W	14,400	18.8	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,370
D17600VS-W	17,664	25	400 / 3 / 50	16	R513A	1,451	3,196	2,427	2,750