HRC

hertz® KOMPRESSOREN

175-5000 cfm

4,96-141,7 m^3/min

230 psi



REFRIGERATED TYPE CYCLING (THERMAL MASS) AIR DRYERS

These types of dryers consume energy dependent on air flow. The dryer's cooling system cools the water-glycol mixture down to 33.8°F and holds this mixture in a stainless steel container. A small pump circulates the water-glycol mixture to cool the compressed air. The cooling system's compressor turns off when the mixture reaches the required temperature resulting in considerable energy savings.

Advantages

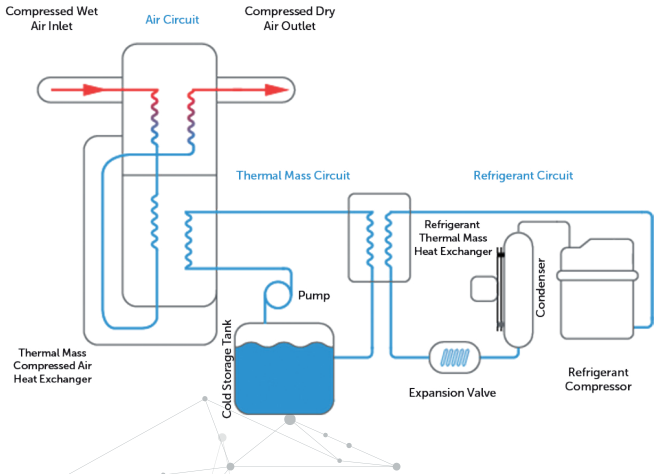
- Energy savings wiht capacity control
- 37°F dew point
- Very low pressure drop
- Suitable for tropical conditions
- Environmentally friendly R134a refrigerant
- Large condenser
- Operates at 140°F inlet temperature and in 122°F ambient temperature
- Stainless steel components
- High efficiency



COMPRESSED AIR DRYERS

Model	Capacity**		Connection Size	Voltage	Max. Working Pressure	Max. Ambient Temp.	Max. Inlet Temp.	Refrigerant Gas	Recommended Filter and Type	Dimensions (in.)			Weight lbs
	m³/min	cfm			psi	°F	°F			Length	Width	Height	
HRC US 175	4,96	175	2" NPT	230V/1Ph/60Hz	230	113	120	R513a	GKON-805 – X / Y	33,7	28,5	59,3	392
HRC US 200	5,66	200	2" NPT	230V/1Ph/60Hz	230	113	120	R513a	GKON-805 – X / Y	33,7	28,5	59,3	406
HRC US 250	7,08	250	2" NPT	230V/1Ph/60Hz	230	113	120	R513a	GKON-805 – X / Y	32,7	28,7	69,5	428
HRC US 350	9,91	350	2" NPT	460V/3Ph/60Hz 230V/3Ph/60Hz	230	113	120	R513a	GKON-1205 – X / Y	32,7	28,7	69,5	534
HRC US 425	12,03	425	2" NPT	460V/3Ph/60Hz 230V/3Ph/60Hz	230	113	120	R513a	GKON-1205 – X / Y	32,7	28,7	69,5	558
HRC US 550	15,57	550	3" NPT	460V/3Ph/60Hz	230	113	120	R513a	GKON-HC-1805 – X / Y	45,3	31,5	68,5	650
HRC US 700	19,82	700	3" NPT	460V/3Ph/60Hz	230	113	120	R513a	GKON-HC-1805 – X / Y	45,3	31,5	68,5	683
HRC US 900	25,49	900	3" NPT	460V/3Ph/60Hz	230	113	120	R513a	GKON-HC-2775 – X / Y	51,8	34,6	70,5	906
HRC US 1100	31,15	1100	3" NPT	460V/3Ph/60Hz	230	113	120	R513a	GKON-HC-2775 – X / Y	51,8	34,6	70,5	976
HRC US 1350	38,23	1350	ANSI 4"Flange	460V/3Ph/60Hz	230	113	120	R513a	GKO 5850 – X / Y	62	39,2	77,8	1581
HRC US 1500	42,48	1500	ANSI 4"Flange	460V/3Ph/60Hz	230	113	120	R513a	GKO 5850 – X / Y	62	39,2	77,8	1636
HRC US 2000	56,63	2000	ANSI 4"Flange	460V/3Ph/60Hz	230	113	120	R513a	GKO 5850 – X / Y	70,7	42,5	81,7	1916
HRC US 2350	66,54	2350	ANSI 4"Flange	460V/3Ph/60Hz	230	113	120	R513a	GKO 5850 – X / Y	70,7	42,5	81,7	1973
HRC US 2750	77,87	2750	ANSI 6"Flange	460V/3Ph/60Hz	230	113	120	R513a	"External F US 3800 MX+MY"	86,2	41,9	79,7	2075
HRC US 3000	84,95	3000	ANSI 6"Flange	460V/3Ph/60Hz	230	113	120	R513a	"External F US 3800 MX+MY"	86,2	41,9	79,7	2123
HRC US 3600	101,94	3600	ANSI 6"Flange	460V/3Ph/60Hz	230	113	120	R513a	"External F US 3800 MX+MY"	95,1	61	83,3	2260
HRC US 4000	113,27	4000	ANSI 8"Flange	460V/3Ph/60Hz	230	113	120	R513a	"External F US 6500 MX+MY"	95,1	61	83,3	2562
HRC US 5000	141,7	5000	ANSI 8"Flange	460V/3Ph/60Hz	230	113	120	R513a	"External F US 6500 MX+MY"	95,1	61	83,3	3263

* HERTZ KOMPRESSOREN reserves its rights to change the specifications without any prior notice.
** Dryer ratings at the following inlet conditions to the dryer (as per ISO 7183, Table 2, Option A2 and CAGI): Inlet Compressed Air Temperature: 100° F, Inlet Compressed Air Pressure: 100 psig, Max. Ambient Air Temperature: 100 °F, Inlet Compressed Air Relative Humidity 100% (Saturated)



Correction Sample

If a compressor delivers 700 cfm at 115 psi, the dryer inlet temperature is 130 °F and ambient temperature is 110 °F. Please choose your dryer model as follow:

700 cfm / 1.06 / 0.5 / 0.90 = 1468 cfm Dryer model for this application is HRC US 1500.

CORRECTION FACTORS FOR HRC SERIES									
Inlet Temperature °F	85	90	95	100	110	120	130	140	150
F1	1.20	1.14	1.08	1.00	0.75	0.60	0.50	0.45	0.35
Ambient Temperature °F	60	80	90	100	105	110	115	120	-
F2	1.12	1.08	1.06	1.00	0.96	0.90	0.80	0.65	-
Pressure (psi)	60	60	75	100	115	125	150	175	200
F3	0.75	0.77	0.85	1.00	1.06	1.10	1.16	1.25	1.30

HERTZ KOMPRESSOREN GLOBAL
export@hertz-kompressoren.com
www.hertz-kompressoren.com

HERTZ KOMPRESSOREN GmbH
Kronacherstr. 60, 96052 Bamberg
Tel: +49 951 96 43 13 88 Fax: +49 951 96 43 13 50
info@hertz-kompressoren.de

HERTZ KOMPRESSOREN USA Inc.
11910 Mount Holly-Huntersville Road
Huntersville, NC 28078 USA
Tel : +1 704 579 59 00 info@hertz-kompressoren.us