

## Modular Desiccant Air Dryers

# HMD US Series

HMD US 3 / 5 / 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 75 /  
100 / 120 / 180 / 240

**hertz**<sup>®</sup>  
KOMPRESSOREN

### HERTZ Modular HMD US Desiccant Air Dryers

The light weight modular design of the new dryer series brings a whole new concept in compressed air technology, offering total installation flexibility to meet specific needs. Hertz's new Modular Desiccant Dryers are less than the half the weight and size of a traditional twin tower design, allowing even the largest models to be easily moved through a standard doorway. Hertz's innovative Modular Air Dryers make it easier and more affordable than ever to deliver high-quality compressed air for virtually wherever it's needed. Offered in a wide range of sizes from 3 cfm to 236 cfm, with the dew points of - 40 °F to - 94 °F, they are packed with everything you need, requiring only air inlet/outlet connections. Hertz proudly offers one of the lowest pressure drop desiccant dryer in the world by the help of highly engineered inlet valve and purge manifold design.

- Small footprint, lightweight, advanced compact design
- Corrosion protected aluminum construction
- Hassle-free, reliable electronic controls
- Can be floor, bench or wall mounted
- Quite enough to be placed in any work environment
- Easy installation, easy maintenance

The new Modular Desiccant Dryers combo proven traditional dryer principles with the latest technology to provide unsurpassed efficiency, flexibility and world-renowned Hertz reliability for your critical dry air applications.



# SPECIFICATIONS

MODEL	Capacity**		Connection Size	Voltage	Max. Working Pressure	Included Filter and Type	DIMENSIONS (in.)			Weight (lbs)	Active Alumina (lbs)
	m <sup>3</sup> /min	cfm					Length	Width	Height		
HMD US 3	0.08	3	1/2" NPT	115-240V/1/60 Hz	232	HGO US 15 MX+MY+MP	13.2	12.6	22	37	3.96
HMD US 5	0.14	5	1/2" NPT	115-240V/1/60 Hz	232	HGO US 15 MX+MY+MP	12.6	12.6	25	41	5.07
HMD US 10	0.28	10	1/2" NPT	115-240V/1/60 Hz	232	HGO US 15 MX+MY+MP	12.6	12.6	35.5	59	9.03
HMD US 15	0.42	15	1/2" NPT	115-240V/1/60 Hz	232	HGO US 15 MX+MY+MP	13.8	14.5	31.8	68	15.4
HMD US 20	0.57	20	1/2" NPT	115-240V/1/60 Hz	232	HGO US 30 MX+MY+MP	13.8	14.5	43.6	92	22
HMD US 25	0.71	25	1/2" NPT	115-240V/1/60 Hz	232	HGO US 30 MX+MY+MP	13.8	14.5	49.5	105	26.2
HMD US 30	0.85	30	1/2" NPT	115-240V/1/60 Hz	232	HGO US 30 MX+MY+MP	13.8	14.5	59.4	118	33
HMD US 40	1.13	40	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 60 MX+MY+MP	19.5	16.1	49.2	143	40
HMD US 50	1.42	50	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 60 MX+MY+MP	19.5	16.1	55.1	156	44
HMD US 60	1.70	60	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 60 MX+MY+MP	19.5	16.1	68.8	171	60
HMD US 75	2.12	75	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 90 MX+MY+MP	24.5	17	51.1	202	84
HMD US 100	2.83	100	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 120 MX+MY+MP	24.5	22	58	264	95
HMD US 120	3.40	120	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 120 MX+MY+MP	24.5	25	68.8	292	117
HMD US 180	5.10	180	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 175 MX+MY+MP	28.9	16.1	59	409	148
HMD US 240	6.80	240	1 1/2" NPT	115-240V/1/60 Hz	232	HGO US 240 MX+MY+MP	35	16.1	59	517	196

\* 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)

Nominal Inlet temperature	100 °F
Nominal Working pressure	100 psi
Maximum working pressure	232 psi
Maximum Ambient temperature	122 °F
Maximum inlet temperature	122 °F
Pressure Dew Point	-40 °F (-94 °F Opt.)

### Correction Sample:

If a compressor delivers 90 cfm at 120 psi with 115°F inlet temperature please choose your Dryer model as follow: 90 cfm / 1.08 / 0.80 = 104 cfm your model is HMD US-120

### Correction Factor:

Pressure (psi)	50	60	70	80	90	100	110	120	130	140	150	175	200	225	250
Factor Pressure F1	0.56	0.65	0.74	0.83	0.91	1	1.06	1.08	1.12	1.16	1.2	1.29	1.37	1.45	1.52
Inlet Temperature ( °F)	70	80	90	100	105	110	115	120	-	-	-	-	-	-	-
Factor Inlet F2	1.12	1.09	1.06	1	0.93	0.86	0.8	0.75	-	-	-	-	-	-	-