



# MHT Series

## HIGH INLET TEMPERATURE REFRIGERATED AIR DRYERS

### MHT SERIES HANDLES THE HEAT

MHT Series high inlet temperature compressed air dryers feature a dual-phase cooling system engineered to accept higher discharge temperatures from compressors without aftercoolers. Compressors like our ER Series 5 HP & 7.5 HP air compressors, as well as the air from receiver tanks fed by piston type compressors. Enjoy the benefits of clean dry compressed air from our value packed space-saving MHT Series from 15 thru 100 scfm at pressure to 232 psi g.

### SIMPLE & EFFECTIVE

MHT Series offers economy minded compressed air users a simple and effective no-nonsense approach to clean dry compressed air. Each package incorporates an oversized pre-cooler with filter/separator. Designed to accept inlet temperatures to 180°F, MHT Series is perfect for getting dry air and long dryer life from air compressors without aftercoolers.



#### *Standard features/benefits include:*

- Two phase cooling system - Ideal for compressors without aftercoolers
- Dedicated oversized pre-cooler - Up to 60% savings in refrigeration energy
- Superior reliability and zero air loss
- R134a refrigerant system - Environmentally friendly refrigerant
- Integrated 3 micron filtration - Captures dirt, rust and pipe scale
- Dew point indicator - Fast and easy check of performance



## TECHNICAL FEATURES

Model	Pipe Size	Nominal Flow (scfm)*			Voltages	Dimensions (inches) L x W x H	Wt. (net) lbs.
		41 °F	50 °F	59 °F			
MHT15	¾" NPT-F	12.3	15.0	18.1	150V/1Ph/60Hz	28 x 41 x 32	55
MHT25	½" NPT-F	19.6	25.0	31.7	150V/1Ph/60Hz	28 x 41 x 39	93
MHT35	½" NPT-F	28.2	35.0	42.7	150V/1Ph/60Hz	28 x 41 x 39	95
MHT50	¾" NPT-F	40.0	50.1	60.6	150V/1Ph/60Hz	28 x 41 x 47.7	134
MHT75	¾" NPT-F	62.0	75.0	89.2	150V/1Ph/60Hz	32 x 46 x 47.7	154
MFHT100	¾" NPT-F	83.9	100.0	116.8	150V/1Ph/60Hz	32 x 46 x 47.7	161

\*Capacities are based upon: ambient temperature 95°F, inlet temperature 180°F and working pressure 125 psi g.

Max. ambient temperature 115°F  
 Max. inlet temperature 200°F  
 Max. inlet pressure 232 psi g

Electrical supply 115V/1Ph/60Hz  
 Refrigerant R134a

### Air Flow Correction Factors

Capacity correction factors to be used when operating conditions differ from those shown above. To obtain dryer capacity at new conditions, multiply nominal capacity\* x C1 x C2 x C3 x C4.

#### Ambient Temperature (C1)

°F	60	70	80	90	95	100	110	115
Factor	1.93	1.67	1.38	1.12	1.00	0.89	0.69	0.61

#### Inlet Temperature (C2)

°F	90	100	110	120	130	140	150	160	170	180	190	200
Factor	1.31	1.27	1.23	1.19	1.15	1.11	1.06	1.03	1.01	1.00	0.99	0.98

#### Inlet Pressure (C3)

psi g	50	60	70	80	90	100	120	125	135	150	160	170	180	190	200	210	220	232
Factor	0.78	0.83	0.87	0.90	0.93	0.95	0.99	1.00	1.01	1.04	1.05	1.06	1.07	1.08	1.08	1.10	1.12	1.13

#### Dewpoint (C1)

°F	38	41	46	50	56	60	66	70
Factor	0.62	0.81	0.92	1.00	1.13	1.22	1.37	1.47

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COMPANY  
 WITH QUALITY MANAGEMENT  
 SYSTEM CERTIFIED BY DNV  
 = ISO 9001 : 2001 =

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Member



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