



## Refrigerated Dryer

Engineering Data  
June 1, 2012  
Revision 1

MODEL		D12IN	D18IN	D25IN	D42IN	D54IN	D72IN
<b>Performance Data</b>							
AIR FLOW RATE*	CFM	7	11	15	25	32	42
	M3/h	12	18	25	42	54	72
PRESSURE DROP	PSIG	0.15	0.44	0.15	0.44	0.58	1.16
DEW POINT*	°F / °C	< 50°F / 10°C (ISO CLASS 6)					
<b>Electrical Data</b>							
POWER SUPPLY	VOLT/PH/HZ	115/1/60					
COMPRESSOR	HP	1/10	1/10	1/10	1/6	1/4	1/4
	kW	0.16	0.16	0.16	0.21	0.37	0.37
	Max kW	0.22	0.22	0.22	0.27	0.49	0.49
	RLA	1.89	1.89	1.89	2.51	4.23	4.23
	FLA	2.21	2.21	2.21	2.95	5.24	5.24
	LRA	18	18	18	23	35	35
DRYER TOTAL	Amps	2.8	2.8	2.8	3.6	6	6
MAX FUSE	A	Not present					
MCA	A	Not present					
<b>Weights &amp; Dimensions</b>							
DIMENSIONS (in)	Width	12			16		
	Length	16			18		
	Height	16			18		
WEIGHT	LB	39.7	39.7	39.7	60	61.7	61.7
	KG	18	18	18	27	28	28
<b>General Data</b>							
CONNECTION	NPT	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
MAX AIR INLET TEMP	°F	140					
	°C	60					
MIN-MAX AMBIENT TEMP	°F	36 - 122					
	°C	2 - 50					
AIR PRESSURE MAX	psi	203					
	bar	14					
REFRIGERANT	TYPE	R134a					
	LB	0.31	0.31	0.31	0.62	0.57	0.57
SEPARATOR	Type	Stainless Steel Demister					
DRAIN	Type	Electric Timer Solenoid					
HEAT EXCHANGER	Type	Aluminum Braze Plate					
PROTECTION	Rating	IP42 / NEMA 12					
CLASSIFICATION	Rating	ul Listed					

\*Rating conditions of: 38°C (100°F) and 100 psig Air Inlet, 38°C (100°F) Ambient  
Performance and specifications + / - 5%



## Refrigerated Dryer

Engineering Data  
June 1, 2012  
Revision 1

MODEL		D108IN	D144IN	D180IN	D300IN	D360IN
<b>Performance Data</b>						
<b>AIR FLOW RATE*</b>	<b>CFM</b>	64	85	106	176	212
	<b>M3/h</b>	108	144	180	300	360
<b>PRESSURE DROP</b>	<b>PSIG</b>	0.44	0.73	2.47	1.21	1.74
<b>DEW POINT*</b>	<b>°F / °C</b>	< 50°F / 10°C (ISO CLASS 6)				
<b>Electrical Data</b>						
<b>POWER SUPPLY</b>	<b>VOLT/PH/HZ</b>	115/1/60			230/1/60	
<b>COMPRESSOR</b>	<b>HP</b>	1/2	1/2	2/3	1	1
	<b>kW</b>	0.48	0.57	0.71	1.34	1.34
	<b>Max kW</b>	0.66	0.75	1.14	1.55	1.55
	<b>RLA</b>	5.63	6.56	8.16	6.5	6.5
	<b>FLA</b>	6.96	7.97	11.6	7.35	7.35
	<b>LRA</b>	34	37	46	35	35
<b>DRYER TOTAL</b>	<b>Amps</b>	8	9	12.6	8	8
<b>MAX FUSE</b>	<b>A</b>	Not present			15	15
<b>MCA</b>	<b>A</b>	Not present			10	10
<b>Weights &amp; Dimensions</b>						
<b>DIMENSIONS (in)</b>	<b>Width</b>	16.5			20	
	<b>Length</b>	21.5			25.5	
	<b>Height</b>	22.5			38.5	
<b>WEIGHT</b>	<b>LB</b>	77.2	81.6	103.6	191.8	191.8
	<b>KG</b>	35	37	47	87	87
<b>General Data</b>						
<b>CONNECTION</b>	<b>NPT</b>	¾"	¾"	¾"	1½"	1½"
<b>MAX AIR INLET TEMP</b>	<b>°F</b>	140				
	<b>°C</b>	60				
<b>MIN-MAX AMBIENT TEMP</b>	<b>°F</b>	36 - 122				
	<b>°C</b>	2 - 50				
<b>AIR PRESSURE MAX</b>	<b>psi</b>	203			174	
	<b>bar</b>	14			12	
<b>REFRIGERANT</b>	<b>TYPE</b>	R134a			R407C	
	<b>LB</b>	0.77	0.84	0.99	1.98	1.98
<b>SEPARATOR</b>	<b>Type</b>	Demister				
<b>DRAIN</b>	<b>Type</b>	Electric Timer Solenoid				
<b>HEAT EXCHANGER</b>	<b>Type</b>	Aluminum Braze Plate				
<b>PROTECTION</b>	<b>Rating</b>	IP42 / NEMA 12				
<b>CLASSIFICATION</b>	<b>Rating</b>	ul Listed				

\*Rating conditions of: 38°C (100°F) and 100 psig Air Inlet, 38°C (100°F) Ambient  
Performance and specifications + / - 5%