



DEC High-Efficiency Cycling Dryers

D17EC - D59EC

Industrial Technologies
Davidson, NC 28036

Date: 7-Apr-14
Cancels: All Previous

Engineering Data

Model Name	D17EC	D31EC	D41EC	D59EC
Performance Data				
Conditions	Specified in accordance with ISO 7183, Table 2, A2 100 PSIG/100°F Inlet/100°F Ambient/100% Relative Humidity			
Rated Flow (SCFM)	10	18	24	35
Pressure Drop (psid)	0.46	0.80	1.22	2.10
Electrical Data				
Installed Package Power (kW)	0.35	0.43	0.45	0.53
Electrical Supply	115/1/60			
Minimum Circuit Ampacity (amps)	5.77	5.77	5.77	7.37
Maximum Fuse Size (amps)	7.50	7.50	7.50	10.00
Electrical Protection Class	NEMA 1			
Weights & Dimensions				
Width (in)	19.69	19.69	19.69	19.69
Depth (in)	15.19	15.19	15.19	15.19
Height (in)	26.5	26.5	26.5	26.5
Shipping Weight (lbs)	130	130	135	140
General Data				
Air Inlet / Outlet Connections (in)	1/2	1/2	1/2	1/2
Air Connection Type	FPT			
Max Operating Ambient Temp (°F)	113			
Max Operating Inlet Temp (°F)	120			
Min Operating Ambient Temp (°F)	50			
Max Operating Pressure (PSIG)	200			
Sound Level (dBA)	<85			
Condensate Drain Connection	1/4" FLEX LINE			
Refrigerant Compressor (HP)	1/5	1/5	1/5	1/4
Refrigerant Type	R-134A	R-134A	R-134A	R-134A
Refrigerant Charge (lb-oz)	0-8	0-8	0-8	0-8



DEC High-Efficiency Cycling Dryers

D85EC - D212EC

Industrial Technologies
Davidson, NC 28036

Date: 7-Apr-14
Cancels: All Previous

Engineering Data

Model Name	D85EC	D127EC	D170EC	D212EC
Performance Data				
Conditions	Specified in accordance with ISO 7183, Table 2, A2 100 PSIG/100°F Inlet/100°F Ambient/100% Relative Humidity			
Rated Flow (SCFM)	50	75	100	125
Electrical Data				
Installed Package Power (kW)	0.68	0.94	0.98	1.1
Electrical Supply	115/1/60			
Minimum Circuit Ampacity (amps)	8.85	13.45	15.44	15.44
Maximum Fuse Size (amps)	12.00	15.00	20.00	20.00
Electrical Protection Class	NEMA 1			
Weights & Dimensions				
Width (in)	19.69	22.44	22.44	22.44
Depth (in)	15.19	16.63	16.63	16.63
Height (in)	26.5	30.38	30.38	30.38
Shipping Weight (lbs)	145	175	180	185
General Data				
Air Inlet / Outlet Connections (in)	3/4	1	1	1
Air Connection Type	FPT			
Max Operating Ambient Temp (°F)	113			
Max Operating Inlet Temp (°F)	120			
Min Operating Ambient Temp (°F)	50			
Max Operating Pressure (PSIG)	200			
Sound Level (dBA)	<85			
Condensate Drain Connection	1/4" FLEX LINE			
Refrigerant Compressor (HP)	1/3	1/2	3/4	3/4
Refrigerant Type	R-134A	R-134A	R-134A	R-134A
Refrigerant Charge (lb-oz)	0-12	1-2	1-2	1-2



DEC High-Efficiency Cycling Dryers

D170EC - D212EC

Industrial Technologies
Davidson, NC 28036

Date: 7-Apr-14
Cancels: All Previous

Engineering Data

Model Name	D170EC	D212EC
Performance Data		
Conditions	Specified in accordance with ISO 7183, Table 2, A2 100 PSIG/100°F Inlet/100°F Ambient/100% Relative Humidity	
Rated Flow (SCFM)	100	125
Electrical Data		
Installed Package Power (kW)	0.98	1.1
Electrical Supply	230/1/60	
Minimum Circuit Ampacity (amps)	9.32	9.32
Maximum Fuse Size (amps)	15.00	15.00
Electrical Protection Class		
Weights & Dimensions		
Width (in)	22.44	22.44
Depth (in)	16.63	16.63
Height (in)	30.38	30.38
Shipping Weight (lbs)	180	185
General Data		
Air Inlet / Outlet Connections (in)	1	1
Air Connection Type	FPT	
Max Operating Ambient Temp (°F)	113	
Max Operating Inlet Temp (°F)	120	
Min Operating Ambient Temp (°F)	50	
Max Operating Pressure (PSIG)	200	
Sound Level (dBA)	<85	
Condensate Drain Connection	1/4" Flex Line	
Refrigerant Compressor (HP)	3/4	3/4
Refrigerant Type	R-134A	R-134A
Refrigerant Charge (lb-oz)	1-2	1-2