



Nirvana Cycling Refrigerated Dryer

Engineering Data

23-Apr-07

Revision 0

Model Name	D17NC	D31NC	D41NC	D59NC	D85NC
Performance Data					
Conditions	Specified In accordance with CAGI ADF-100: 100 °F ambient, 100 °F inlet air temperature and 100 psig				
Rated Flow (cfm)	10	18	24	35	50
Pressure Drop (Psig)	0.00	0.00	0.00	0.00	0.00
Condensate Produced (Gal/Hr)	0.00	0.00	0.00	0.00	0.00
Electrical Data					
Installed Package Power (kW)	0.31	0.51	0.66	0.79	0.94
Electrical Supply (V/ph/Hz)	115-1-60				
Package Running Load Amps	4.90	4.90	7.50	9.80	10.70
Package Locked Rotor Amps	6.00	6.00	9.90	12.40	12.80
Electrical Protection Class	NEMA 1				
Weights & Dimensions					
Package Dimensions(in) W	14	14	14	20	20
Package Dimensions(in) D	14	14	14	16	16
Package Dimensions(in) H	18	18	18	23	23
Weight (lbs)	75	75	90	165	165
General Data					
Air Inlet/Outlet Connections (in)	1/2"	1/2"	1/2"	3/4"	3/4"
Air Connection Type	FPT				
Condenser Airflow (cfm)	0	0	0	0	0
Heat Rejection (Btu/hr)	0	0	0	0	0
Max Operating Ambient Temp (°F)	113				
Max Operating Inlet Air Temp (°F)	125				
Min Operating Ambient Temp (°F)	45				
Max Operating Pressure (Psig)	230				
Sound Level (dBA)	0	0	0	0	0
Condensate Drain Connection	1/2" TUBE				
Refrigerant Type	R-22				
Refrigerant Charge (lb-oz)	0-7	0-7	0-9	1-0	1-4

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Revision 0

Model Name	D127NC	D170NC	D212NC	D255NC
Performance Data				
Conditions	Specified In accordance with CAGI ADF-100: 100 °F ambient, 100 °F inlet air temperature and 100 psig			
Rated Flow (cfm)	75	100	125	150
Pressure Drop (Psig)	1.50	2.10	1.90	2.60
Condensate Produced (Gal/Hr)	0.00	0.00	0.00	0.00
Electrical Data				
Installed Package Power (kW)	0.78	0.96	1.35	1.29
Electrical Supply (V/ph/Hz)	115-1-60			
Package Running Load Amps	7.80	11.00	16.80	16.80
Electrical Protection Class	NEMA 1 (Optional NEMA 4)			
Weights & Dimensions				
Package Dimensions(in) W	14	14	14	14
Package Dimensions(in) D	35	35	35	35
Package Dimensions(in) H	31	31	31	31
Weight (lbs)	140	175	175	175
General Data				
Air Inlet/Outlet Connections (in)	1"	1"	1.5"	1.5"
Air Connection Type	MPT			
Condenser Airflow (cfm)	0	0	0	0
Heat Rejection (Btu/hr)	0	0	0	0
Max Operating Ambient Temp (°F)	113			
Max Operating Inlet Air Temp (°F)	125			
Min Operating Ambient Temp (°F)	45			
Max Operating Pressure (Psig)	230			
Sound Level (dBA)	0	0	0	0
Condensate Drain Connection	1/4" FPT			
Refrigerant Type	R-404A			
Refrigerant Charge (lb-oz)	1-6	1-14	2-0	2-3

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Performance Data				
Conditions	Specified In accordance with CAGI ADF-100: 100 °F ambient, 100 °F inlet air temperature and 100 psig			
Rated Flow (cfm)	75	100	125	150
Pressure Drop (Psig)	1.50	2.10	1.90	2.60
Condensate Produced (Gal/Hr)	0.00	0.00	0.00	0.00
Electrical Data				
Installed Package Power (kW)	0.78	0.96	1.35	1.29
Electrical Supply (V/ph/Hz)	230-1-60			
Package Running Load Amps	4.90	5.80	7.40	9.30
Electrical Protection Class	NEMA 1 (Optional NEMA 4)			
Weights & Dimensions				
Package Dimensions(in) W	14	14	14	14
Package Dimensions(in) D	35	35	35	35
Package Dimensions(in) H	31	31	31	31
Weight (lbs)	140	175	175	175
General Data				
Air Inlet/Outlet Connections (in)	1"	1"	1.5"	1.5"
Air Connection Type	MPT			
Condenser Airflow (cfm)	0	0	0	0
Heat Rejection (Btu/hr)	0	0	0	0
Max Operating Ambient Temp (°F)	113			
Max Operating Inlet Air Temp (°F)	125			
Min Operating Ambient Temp (°F)	45			
Max Operating Pressure (Psig)	230			
Sound Level (dBA)	0	0	0	0
Condensate Drain Connection	1/4" FPT			
Refrigerant Type	R-404A			
Refrigerant Charge (lb-oz)	1-6	2-3	2-0	2-3

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Condensate Produced (Gal/Hr)	0.00	0.00	0.00	0.00	0.00
Electrical Data					
Installed Package Power (kW)	0.31	0.51	0.66	0.79	0.94
Electrical Supply (V/ph/Hz)	220-1-50				
Package Running Load Amps	2.60	2.60	3.20	5.10	5.40
Electrical Protection Class	NEMA 1				
Weights & Dimensions					
Package Dimensions(in) W	14	14	14	20	20
Package Dimensions(in) D	14	14	14	16	16
Package Dimensions(in) H	18	18	18	23	23
Weight (lbs)	75	75	90	165	165
General Data					
Air Inlet/Outlet Connections (in)	1/2"	1/2"	1/2"	3/4"	3/4"
Air Connection Type	FPT				
Condenser Airflow (cfm)	0	0	0	0	0
Heat Rejection (Btu/hr)	0	0	0	0	0
Max Operating Ambient Temp (°F)	113				
Max Operating Inlet Air Temp (°F)	125				
Min Operating Ambient Temp (°F)	45				
Max Operating Pressure (Psig)	230				
Sound Level (dBA)	0	0	0	0	0
Condensate Drain Connection	1/2" TUBE				
Refrigerant Type	R-22				
Refrigerant Charge (lb-oz)	0-7	0-7	0-9	1-0	1-4

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Electrical Data				
Installed Package Power (kW)	0.78	0.96	1.35	1.29
Electrical Supply (V/ph/Hz)	220-1-50			
Package Running Load Amps	0.00	0.00	0.00	0.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)			
Weights & Dimensions				
Package Dimensions(in) W	14	14	14	14
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Heat Rejection (Btu/hr)	0	0	0	0
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Max Operating Inlet Air Temp (°F)	125			
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Max Operating Pressure (Psig)	230			
Sound Level (dBA)	0	0	0	0
Condensate Drain Connection	1/4" FPT			
Refrigerant Type	R-404A			
Refrigerant Charge (lb-oz)	1-6	1-14	2-0	2-3

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