



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC200A	NVC200W
Performance Data		
Specified In accordance with ISO 7183, Table 2, Option A2		
Conditions	100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)	200	
Pressure Drop (Psig)	1.60	
Condensate Produced (Gal/Hr)	0.51	
Electrical Data		
Full Load Package Power (kW)	2.10	1.10
Electrical Supply (V/ph/Hz)	230/1/60	
Minimum Circuit Ampacity (amps)	13.70	12.80
Maximum Fuse Size (amps)	20.00	20.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	28	
Package Dimensions(in) D	30	
Package Dimensions(in) H	58	
Weight (lbs)	620	540
General Data		
Air Inlet/Outlet Connections (in)	1.5	
Air Connection Type	MPT	
Condenser Airflow (cfm)	1,200	
Heat Rejection (Btu/hr)	12,286	16,011
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	300	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	2-4	2-4
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	4
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection	N/A	3/8" FPT

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC200A	NVC200W
Performance Data		
Specified In accordance with ISO 7183, Table 2, Option A2		
Conditions	100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)	200	
Pressure Drop (Psig)	1.60	
Condensate Produced (Gal/Hr)	0.51	
Electrical Data		
Full Load Package Power (kW)	2.10	1.10
Electrical Supply (V/ph/Hz)	230/3/60	
Minimum Circuit Ampacity (amps)	9.60	CF
Maximum Fuse Size (amps)	15.00	CF
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	28	
Package Dimensions(in) D	30	
Package Dimensions(in) H	58	
Weight (lbs)	620	540
General Data		
Air Inlet/Outlet Connections (in)	1.5	
Air Connection Type	MPT	
Condenser Airflow (cfm)	1,200	
Heat Rejection (Btu/hr)	12,286	16,011
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	300	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	2-4	2-4
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	4
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection	N/A	3/8" FPT

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Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC200A	NVC200W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)		200
Pressure Drop (Psig)		1.60
Condensate Produced (Gal/Hr)		0.51
Electrical Data		
Full Load Package Power (kW)	2.10	1.10
Electrical Supply (V/ph/Hz)	460/3/60	
Minimum Circuit Ampacity (amps)	3.90	3.30
Maximum Fuse Size (amps)	6.00	5.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W		28
Package Dimensions(in) D		30
Package Dimensions(in) H		58
Weight (lbs)	620	540
General Data		
Air Inlet/Outlet Connections (in)		1.5
Air Connection Type		MPT
Condenser Airflow (cfm)	1,200	
Heat Rejection (Btu/hr)	12,286	16,011
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		300
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	2-4	2-4
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	4
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection	N/A	3/8" FPT

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC300A	NVC300W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)		300
Pressure Drop (Psig)		2.10
Condensate Produced (Gal/Hr)		0.76
Electrical Data		
Full Load Package Power (kW)	2.80	1.70
Electrical Supply (V/ph/Hz)		230/3/60
Minimum Circuit Ampacity (amps)	11.50	CF
Maximum Fuse Size (amps)	18.00	CF
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W		28
Package Dimensions(in) D		30
Package Dimensions(in) H		58
Weight (lbs)	735	630
General Data		
Air Inlet/Outlet Connections (in)		2
Air Connection Type		MPT
Condenser Airflow (cfm)	1,200	
Heat Rejection (Btu/hr)	14,901	22,433
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		300
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	4-0	3-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	5
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1/2" FPT

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC300A	NVC300W
Performance Data		
Specified In accordance with ISO 7183, Table 2, Option A2		
100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity		
Conditions		
Rated Flow (cfm)	300	
Pressure Drop (Psig)	2.10	
Condensate Produced (Gal/Hr)	0.76	
Electrical Data		
Full Load Package Power (kW)	2.80	1.70
Electrical Supply (V/ph/Hz)	460/3/60	
Minimum Circuit Ampacity (amps)	6.20	5.70
Maximum Fuse Size (amps)	10.00	10.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	28	
Package Dimensions(in) D	30	
Package Dimensions(in) H	58	
Weight (lbs)	735	630
General Data		
Air Inlet/Outlet Connections (in)	2	
Air Connection Type	MPT	
Condenser Airflow (cfm)	1,200	
Heat Rejection (Btu/hr)	14,901	22,433
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	300	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	4-0	3-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	5
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1/2" FPT

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Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC400A	NVC400W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)		400
Pressure Drop (Psig)		2.90
Condensate Produced (Gal/Hr)		1.01
Electrical Data		
Full Load Package Power (kW)	3.30	2.20
Electrical Supply (V/ph/Hz)	230/3/60	
Minimum Circuit Ampacity (amps)	15.90	CF
Maximum Fuse Size (amps)	25.00	CF
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W		28
Package Dimensions(in) D		30
Package Dimensions(in) H		58
Weight (lbs)	745	670
General Data		
Air Inlet/Outlet Connections (in)		2
Air Connection Type		MPT
Condenser Airflow (cfm)	1,200	
Heat Rejection (Btu/hr)	19,648	28,403
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		300
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	4-0	2-13
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	6
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1/2" FPT

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Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC400A	NVC400W
Performance Data		
Specified In accordance with ISO 7183, Table 2, Option A2		
Conditions 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity		
Rated Flow (cfm)		400
Pressure Drop (Psig)		2.90
Condensate Produced (Gal/Hr)		1.01
Electrical Data		
Full Load Package Power (kW)	3.30	2.20
Electrical Supply (V/ph/Hz)		460/3/60
Minimum Circuit Ampacity (amps)	7.60	8.50
Maximum Fuse Size (amps)	12.00	12.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W		28
Package Dimensions(in) D		30
Package Dimensions(in) H		58
Weight (lbs)	745	670
General Data		
Air Inlet/Outlet Connections (in)		2
Air Connection Type		MPT
Condenser Airflow (cfm)	1,200	
Heat Rejection (Btu/hr)	19,648	28,403
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		300
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	4-0	2-13
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	6
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1/2" FPT

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC500A	NVC500W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)		500
Pressure Drop (Psig)		2.90
Condensate Produced (Gal/Hr)		1.25
Electrical Data		
Full Load Package Power (kW)	5.00	3.20
Electrical Supply (V/ph/Hz)		460/3/60
Minimum Circuit Ampacity (amps)	9.70	9.20
Maximum Fuse Size (amps)	15.00	15.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W		42
Package Dimensions(in) D		40
Package Dimensions(in) H		62
Weight (lbs)	1105	1120
General Data		
Air Inlet/Outlet Connections (in)		3
Air Connection Type		MPT
Condenser Airflow (cfm)	1,800	
Heat Rejection (Btu/hr)	28,179	39,395
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		300
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	5-8	5-8
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	9
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	3/4" - 1/2" FPT

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC600A	NVC600W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)		600
Pressure Drop (Psig)		3.00
Condensate Produced (Gal/Hr)		1.52
Electrical Data		
Full Load Package Power (kW)	5.00	3.20
Electrical Supply (V/ph/Hz)		460/3/60
Minimum Circuit Ampacity (amps)	9.60	8.80
Maximum Fuse Size (amps)	15.00	15.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W		42
Package Dimensions(in) D		40
Package Dimensions(in) H		62
Weight (lbs)	1275	1270
General Data		
Air Inlet/Outlet Connections (in)		3
Air Connection Type		MPT
Condenser Airflow (cfm)	1,800	
Heat Rejection (Btu/hr)	31,026	45,740
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		300
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	6-0	6-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	10
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	3/4" - 1/2" FPT

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC700A	NVC700W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)	700	
Pressure Drop (Psig)	2.70	
Condensate Produced (Gal/Hr)	1.77	
Electrical Data		
Full Load Package Power (kW)	6.10	3.60
Electrical Supply (V/ph/Hz)	460/3/60	
Minimum Circuit Ampacity (amps)	12.60	11.00
Maximum Fuse Size (amps)	20.00	15.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	42	
Package Dimensions(in) D	40	
Package Dimensions(in) H	62	
Weight (lbs)	1320	1300
General Data		
Air Inlet/Outlet Connections (in)	3	
Air Connection Type	MPT	
Condenser Airflow (cfm)	3,600	
Heat Rejection (Btu/hr)	36,289	52,719
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	300	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	6-0	7-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	12
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	3/4"

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC800A	NVC800W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)	800	
Pressure Drop (Psig)	2.90	
Condensate Produced (Gal/Hr)	2.02	
Electrical Data		
Full Load Package Power (kW)	6.70	4.20
Electrical Supply (V/ph/Hz)	460/3/60	
Minimum Circuit Ampacity (amps)	12.60	11.00
Maximum Fuse Size (amps)	20.00	15.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	42	
Package Dimensions(in) D	40	
Package Dimensions(in) H	62	
Weight (lbs)	1415	1300
General Data		
Air Inlet/Outlet Connections (in)	3	
Air Connection Type	MPT	
Condenser Airflow (cfm)	3,100	
Heat Rejection (Btu/hr)	52,132	62,898
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	300	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	8-0	7-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	13
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	3/4"

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC1000A	NVC1000W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)	1000	
Pressure Drop (Psig)	2.50	
Condensate Produced (Gal/Hr)	2.54	
Electrical Data		
Full Load Package Power (kW)	8.90	5.50
Electrical Supply (V/ph/Hz)	460/3/60	
Minimum Circuit Ampacity (amps)	16.30	11.30
Maximum Fuse Size (amps)	25.00	15.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	32	
Package Dimensions(in) D	72	
Package Dimensions(in) H	69	
Weight (lbs)	2315	2355
General Data		
Air Inlet/Outlet Connections (in)	4	
Air Connection Type	FLG	
Condenser Airflow (cfm)	3,800	
Heat Rejection (Btu/hr)	77,439	62,898
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	220	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	11-0	6-8
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	12
Water Pressure Drop (psig)	N/A	15-20
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	3/4"

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC1200A	NVC1200W
Performance Data		
Specified In accordance with ISO 7183, Table 2, Option A2		
Conditions 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity		
Rated Flow (cfm)		1200
Pressure Drop (Psig)		3.10
Condensate Produced (Gal/Hr)		3.03
Electrical Data		
Full Load Package Power (kW)	10.50	6.90
Electrical Supply (V/ph/Hz)		460/3/60
Minimum Circuit Ampacity (amps)	23.00	14.40
Maximum Fuse Size (amps)	35.00	25.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W		32
Package Dimensions(in) D		72
Package Dimensions(in) H		69
Weight (lbs)	2435	2435
General Data		
Air Inlet/Outlet Connections (in)		4
Air Connection Type		FLG
Condenser Airflow (cfm)	5,200	
Heat Rejection (Btu/hr)	90,907	84,828
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		220
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	15-0	8-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	15
Water Pressure Drop (psig)	N/A	15-25
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1"

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC1600A	NVC1600W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)	1600	
Pressure Drop (Psig)	3.30	
Condensate Produced (Gal/Hr)	4.04	
Electrical Data		
Full Load Package Power (kW)	13.10	7.70
Electrical Supply (V/ph/Hz)	460/3/60	
Minimum Circuit Ampacity (amps)	29.40	20.20
Maximum Fuse Size (amps)	45.00	35.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	32	
Package Dimensions(in) D	72	
Package Dimensions(in) H	69	
Weight (lbs)	2785	2615
General Data		
Air Inlet/Outlet Connections (in)	4	
Air Connection Type	FLG	
Condenser Airflow (cfm)	5,800	
Heat Rejection (Btu/hr)	99,172	102,366
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	220	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	13-0	11-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	20
Water Pressure Drop (psig)	N/A	25-30
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1"

Product improvement is an ongoing process at IR. Data is subject to change without notice.



Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC2000A	NVC2000W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)		2000
Pressure Drop (Psig)		3.50
Condensate Produced (Gal/Hr)		5.05
Electrical Data		
Full Load Package Power (kW)	13.50	10.40
Electrical Supply (V/ph/Hz)		460/3/60
Minimum Circuit Ampacity (amps)	35.50	24.70
Maximum Fuse Size (amps)	60.00	40.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	32	32
Package Dimensions(in) D	91	91
Package Dimensions(in) H	91	76
Weight (lbs)	3925	3925
General Data		
Air Inlet/Outlet Connections (in)		6
Air Connection Type		FLG
Condenser Airflow (cfm)	6,450	
Heat Rejection (Btu/hr)	136,779	132,607
Max Operating Ambient Temp (°F)		115
Max Operating Inlet Air Temp (°F)		120
Min Operating Ambient Temp (°F)		35
Max Operating Pressure (Psig)		220
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	19-0	11-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	28
Water Pressure Drop (psig)	N/A	25-35
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1 1/2"

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Nirvana Cycling Refrigerated Dryer

Engineering Data

7-Jun-12

Cancels: All Previous

Model Name	NVC2400A	NVC2400W
Performance Data		
Conditions	Specified In accordance with ISO 7183, Table 2, Option A2 100 PSIG/100 F Inlet/100 F Ambient/100% Relative Humidity	
Rated Flow (cfm)	2400	
Pressure Drop (Psig)	3.50	
Condensate Produced (Gal/Hr)	6.06	
Electrical Data		
Full Load Package Power (kW)	15.80	11.40
Electrical Supply (V/ph/Hz)	460/3/60	
Minimum Circuit Ampacity (amps)	36.60	25.80
Maximum Fuse Size (amps)	60.00	45.00
Electrical Protection Class	NEMA 1 (Optional NEMA 4)	
Weights & Dimensions		
Package Dimensions(in) W	32	32
Package Dimensions(in) D	91	91
Package Dimensions(in) H	91	76
Weight (lbs)	4150	4015
General Data		
Air Inlet/Outlet Connections (in)	6	
Air Connection Type	FLG	
Condenser Airflow (cfm)	6,450	
Heat Rejection (Btu/hr)	139,610	139,587
Max Operating Ambient Temp (°F)	115	
Max Operating Inlet Air Temp (°F)	120	
Min Operating Ambient Temp (°F)	35	
Max Operating Pressure (Psig)	220	
Sound Level (dBA)	<85	<75
Condensate Drain Connection	1/4" OD Nylon Tube	
Refrigerant Type	R404A	
Refrigerant Charge (lb-oz)	19-0	11-0
Water Cooled Data (Minimum Water Pressure 30 psig)		
Water Flow (GPM)	N/A	28
Water Pressure Drop (psig)	N/A	25-35
Design Inlet Cooling Water Temperature (°F)	N/A	85
Max/Min Inlet Cooling Water Temperature (°F)	N/A	85 / 55
Condensing Temperature (°F)	N/A	105
Inlet/Outlet Water Connection (NPT)	N/A	1 1/2"

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