

NVRT Roof Top Package Unit

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NVRT roof-top air conditioners are manufactured as standard in 16 different models ranging from 70,000 BTU / h to 985,000 BTU / h with high energy efficiency and no sound / visual pollution. At the same time, it is budget-friendly with fast and easy installation.

NVRT's main areas of usage are large commercial buildings, business centers, airports, restaurants, department stores, cinema and theater halls, conference halls, industrial buildings, and logistics centers.

NVRT has many capacity options (up to 288KW and can be divided by up to 4 compressor's cycles) which fit all kind of running environments. On the other hand, NVRT has many options and extensions that help to rise the efficiency of the device like electric heaters, water coils, and natural gas burners .

Moreover, NVRT has perfect automation and electronic units which are designed to allow the unit to work smoothly and full automatically.

With multi communication ports like Modbus and Bacnet, NVRT can be connected to any BMS system simply.

In addition, the room controller has many functions like wide screen, weekly schedule, WiFi internet connection and more up-to-date options.



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MODEL	NVRT 21	NVRT 24	NVRT 30	NVRT 36	NVRT 42	NVRT 48	NVRT 60	NVRT 72
Cooling								
Cooling capacity (KW)	21	24	30	36	42	48	60	72
Compressor power (HP)	7	8	10	12	7	8	10	12
EER	3	2.93	3	2.8	2.82	2.9	2.94	3
Heating -Heat pump								
Heating capacity (KW)	26	33	35	40	45	54	65	78
Compressor power (HP)	7	8	10	12	14	16	20	24
COP	3.5	3.6	3.35	3.1	3.05	3.2	3.14	3.15
Compressor								
Charging Gas	R-410a							
Compressors Count	1	1	1	1	2	2	2	2
Compressors Type	Scroll							
Circle Count	1	1	1	1	1	1	2	2
Indoor Fan (Ventilator)								
Air Flow (m ³ /h)	4500	5500	6500	7500	9000	12000	13000	16000
Static Pressure (pa)	300	300	300	300	300	300	300	300
Fans Count	1	1	1	1	1	1	1	1
Motor Power	1.5	2.2	3	3	4	5.5	5.5	7.5
Aspirator								
Air Flow	4000	5500	6500	7000	9000	12000	13000	16000
Fans Count	1	1	1	1	1	1	1	1
Motor Power	0.19	0.24	0.24	0.46	0.46	0.46	0.78	0.78
Heating-Natural Gas Burner (Optional)								
Capacity (kW)	40	40	80	80	80	100	160	160
Gas Flow (Nm ³ /h)	4.63	4.63	9.26	9.26	9.26	11.5	18.5	18.5
Gas Pressure (mbar)	21 mbar							
Electric Heaters (Optional)								
Capacity (kW)	6	6	16	25	25	40	40	40
Outdoor Fan (Condenser Fan)								
Fan Type	Axial							
Fans Count	1	1	1	1	2	2	4	4
Motor Power (kW)	0.75	0.75	0.75	0.75	2x0.75	2x0.75	4x0.75	4x0.75

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MODEL	NVRT 84	NVRT 96	NVRT 120	NVRT 144	NVRT 180	NVRT 216	NVRT 240	NVRT 288
Cooling								
Cooling Capacity (kW)	84	96	120	144	180	216	240	288
Compressor Power (HP)	7	8	10	48	60	72	80	96
EER	3	2.9	2.85	2.86	3	2.92	2.96	2.85
Heating -Heat pump								
Heating Capacity (KW)	90	105	130	152	195	235	260	300
Compressor Power (HP)	28	32	40	48	60	72	80	96
COP	3.09	3.19	3.2	3.02	3.15	3.2	3.2	3.1
Compressor								
Charging Gas	R-410a							
Compressors Count	4	4	4	4	6	6	8	8
Compressors Type	Scroll							
Circle Count	2	2	2	2	3	3	4	4
Indoor Fan (Ventilator)								
Air Flow (m ³ /h)	18000	20000	25000	30000	35000	40000	45000	50000
Static Pressure (pa)	300	300	300	300	300	300	300	300
Fans Count	1	1	2	2	2	2	2	2
Motor Power	7.5	11	2x5.5	2x5.5	2x7.5	2x7.5	2x11	2x11
Aspirator								
Air Flow	18000	20000	25000	30.000	35000	40000	45.000	50000
Fans Count	1	1	1	2	2	2	2	2
Motor Power	0.78	1.6	1.6	2x0.78	2x0.78	2x0.78	2x1.6	2x1,6
Heating-Natural Gas Burner (Optional)								
Capacity (kW)	200	200	200	200	300	300	300	300
Gas Flow (Nm ³ /h)	23.2	23.2	23.2	23.2	34.8	34.8	34.8	34.8
Gas Pressure (mbar)	21 mbar							
Electric Resistance (Optional)								
Capacity (kW)	60	80	100	120	120	150	150	150
Outdoor Fan (Condenser Fan)								
Fan Type	Axial							
Fans Count	4	4	4	4	6	6	8	8
Motor Power (kW)	4x0.75	4x0.75	4x0.75	4x0.75	6x0.75	6x0.75	8x0.75	8x0.75