

COMFORT

HEAT PUMPS

NR-N

**AIR SOURCE REVERSIBLE CHILLER,
FOR OUTDOOR INSTALLATION
FROM 35,8 TO 219 kW**



NR-N 0162 - 0804

THE HEAT PUMP FOR HIGH ENERGY EFFICIENCY

AIR SOURCE REVERSIBLE CHILLER, FOR OUTDOOR INSTALLATION 35,8-219 kW

Outdoor unit with heat pump for the production of chilled / hot water with hermetic rotary scroll compressors dedicated to the use of R410A, axial fans, plate heat exchanger, condensing coil with copper tubes and aluminum fins and thermostatic or electronic expansion valve, according to the version.

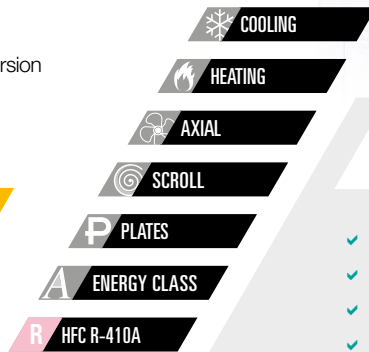
The range is composed by units equipped with two compressors in a single-circuit configuration.

VERSIONS:

- K:** Key efficiency, compact version
- LN-K:** Low Noise, Key efficiency and compact version
- CA:** Class A of efficiency
- LN-CA:** Low Noise, Class A of efficiency

CONFIGURATIONS:

- Basic function
- D Partial condensing heat recovery function



COMFORT APPLICATIONS

- ✓ Shopping centers
- ✓ Offices
- ✓ Hotels and resorts
- ✓ Health facilities
- ✓ Banks
- ✓ Infrastructure for entertainment
- ✓ Museums and theatres

CLASS A EFFICIENCY

NR-N/CA versions have been designed with premium levels of efficiency thanks to the generous sizing of the refrigerant-exchange surface areas and to an accurate control of the fans.



UNYIELDING IN EXTREME CONDITIONS

Unit's operation guaranteed with external air temperature down to -10 °C during winter and up to 46 °C during summer.



“BY FAR THE BEST PROOF IS EXPERIENCE”

Sir Francis Bacon
British Philosopher (1561 - 1626)

Every project is characterised by different needs and system specifications for various climates. All these projects share high energy efficiency, maximum integration, and total reliability resulting from the RC brand experience.

THE BEST TECHNOLOGY FOR EVERY NEED

PERFECT ACOUSTICAL COMFORT

NR-N has been designed for the wellness of indoor spaces.

The new NR-N heat pump features two different sound emission versions:

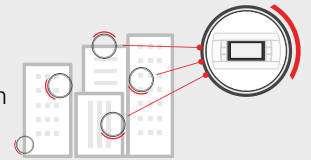
- ▶ standard (K)
- ▶ low noise (LN)

Advanced control system for the perfect management of all the parameters keeps the occupant comfort always constant and supply a year-round cooling taking into account the type and characteristics of the space occupancy.



EASY ADAPTABILITY

Maximum adaptability to the needs of the plant thanks to the continuous modulation of the cooling capacity and the precision in the control of the cooling and heating the parameters.



ELECTRONIC EXPANSION VALVE

The use of the electronic expansion valve generates considerable benefits, especially in cases of variable demand and different external conditions.



NR-N/LN-CA – SIZE 0152P

TECHNICAL DATA

Cooling Capacity	kW	38.7
Power Input Compressor	kW	15.6
Heating Capacity on Heat Pump mode (Winter)	kW	47.1
Power Input Compressor on Heat Pump mode (Winter)	kW	14
Refrigerant		R410A
Power Supply	[V/F/Hz]	575V/3/60Hz+PE
Length	mm	2395
Height	mm	1865
Width	mm	1195

Rating conditions:

- ▶ Outdoor Air: 95°F [35°C], Water temp. IN/OUT 55.6/44.6 °F [12/7]
- ▶ Outdoor Air HP (Winter): 41 °F [5°C]
- ▶ Water Temp. IN/OUT HP (Winter): 102.2/113°F [39/45°C]

2015-2017 Monopoli, Bari - Italy RADAR THEATRE

Application: Theatres

Plant type: Hydronic System

Installed machines: :

1x NR-N/LN-CA 0562P, 1x NR-N/LN-CA 0252P
1x NR-N/D/SL-CA/S 1104T, 2X WIZARD





Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



MITSUBISHI ELECTRIC HYDRONICS & IT COOLING SYSTEMS S.p.A.

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