

AIR CONDITIONING SYSTEMS  
FROZEN

# FROZEN MONO & MULTI DC INVERTER

Indoor unit DC Inverter R32 with Wi-Fi

Indoor units FROZEN can be combined with all Outdoor units FROZEN, both SINGLE SPLIT or MULTI SPLIT. FROZEN air conditioner are high efficiency systems in class A+, A++ and A+++ with SCOP > 4,10. All FROZEN indoor units are WIFI READY and equipped with Remote control



FROZEN conditioners are class **A++** in cooling mode and **A++** and **A+++** in heating mode;

FROZEN indoor units are equipped with a user friendly **remote control**;

**Wi-Fi function:** all FROZEN models are Wi-Fi Ready with the possibility to control the conditioner via Tablet, iPad or smartphone;

**Heating mode:** all air conditioning systems may operate in heating mode. For further info, please call 0039 02 95.003.1;

**Dehumidifier:** in those very humid days, the FROZEN air conditioner allows to reduce that annoying sense of humid thanks to a cutting-edge system in the reduction of humidity in enclosed places;

**Sleep function:** FROZEN air conditioners modify their night-time operation, taking into account the reduction in body temperature, as well as increasing the silent operation;

**Auto Swing:** automatic oscillation of the air flow's management fins;

**5 years warranty:** The compressor has a free 5-year warranty extension testifying to the goodness of the FROZEN air conditioning engine;

**Backlit display:** FROZEN air conditioners show all data on a modern backlit display. For those wishing to further reduce the lighting of the product, the display can be switched off.



HEATING  
PUMP



DEHUMIDIFIER



SLEEP



AUTO  
SWING



5  
YEARS  
COMPRESSOR  
5 YEARS  
WARRANTY



BACKLIGHT  
DISPLAY



# FROZEN - OUTDOOR UNIT SINGLE SPLIT

## Outdoor Unit Single DC Inverter R32

The FROZEN single split outdoor units guarantee high energy efficiency in class A ++, reducing power consumption both in operation and in stand-by (consumption less than 0.5 W). The compressor is a high-tech Japanese DC Inverter with high efficiency. The use of the R32 GAS increases the cooling and heating capacity of the FROZEN

Code D.FROZEN109 D.FROZEN112 D.FROZEN118 D.FROZEN124

### Technical Features

Power Supply	Ph-V-Hz	220V-240V,1Ph,50Hz			
<b>Cooling capacity</b>	Btu/h	9000(3100~11600)	12000(3800~14200)	18000(6200~20900)	24000(7100~27120)
Power consumption cooling	W	710(100~1240)	1237(130~1580)	1539(140~2360)	2345(160~2960)
Current consumption cooling	A	3.1(0.4~5.4)	5.4(0.5~6.9)	6.9(0.6~10.3)	10.2(0.7~13.3)
<b>Heating capacity</b>	Btu/h	10000(2800~11500)	13000(3700~14400)	19000(4700~23000)	25000(5500~30000)
Power consumption heating	W	739(120~1200)	964(100~1580)	1480(200~2410)	2035(260~3140)
Current consumption heating	A	3.2(0.5~5.2)	4.2(0.4~6.9)	6.4(0.9~10.5)	10.2(1.1~13.3)
<b>Cooling</b>					
Cooling capacity	kW	2,6	3,5	5,2	7,2
SEER	W/W	6,2	6,1	7,1	6,1
Energy Efficiency Class		A++	A++	A++	A++
<b>Average heating</b>					
Heating capacity	kW	2,6	2,7	4,5	6,4
SCOP	W/W	4,9	4,6	5,2	5,0
Energy Efficiency Class		A++	A++	A+++	A++
Minimum Temp. heating mode	°C	-15	-15	-15	-15
Maximum consumption	W	2150	2150	2950	3850
Sound pressure Outdoor unit	dB(A)	55	56	56	59
<b>Outdoor Unit</b>					
Dimensions (WxDxH)	mm	700x275x550	700x275x550	800x333x554	845x363x702
Weight net/gross	Kg	22.7/25.2	22.7/25.2	34/36.7	51.5/54.5
<b>Pipes</b>					
Pipes liquid/gas	mm(inches)	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"
Pipes max. length	m	25	25	30	50
Pipes max. height	m	10	10	20	25

Note: the above data refer to a outdoor unit with the correspondent indoor unit. Please refer to [www.naicon.com](http://www.naicon.com) for further details and info.



COMPRESSOR  
5 YEARS  
WARRANTY



# FROZEN - OUTDOOR UNITS MULTISPLIT

## OUTDOOR UNITS MULTISPLIT

The FROZEN multi split outdoor units guarantee high energy efficiency in class A ++, reducing power consumption both in operation and in stand-by (consumption less than 0.5 W). The compressor is a high-tech Japanese DC Inverter with high efficiency. The use of the R32 GAS increases the cooling and heating capacity of the FROZEN



Code D.FROZEN200 D.FROZEN300 D.FROZEN400

### Technical Features

Power supply	V,Hz,Ph	220-240V~,1P, 50Hz		
<b>Cooling</b>				
Cooling capacity	kW	7,0 (2,2 - 7,8)	10,0 (2,3 - 11,0)	12,1 (2,3 - 13,0)
SEER	W/W	6,1	6,1	6,2
Energy Class		A++	A++	A++
<b>Heating (average)</b>				
Heating capacity	kW	7,0 (2,2 - 7,8)	10,0 (2,3 - 11,0)	12,1 (2,4 - 13,0)
SCOP	W/W	4,1	4,0	4,0
Energy Class		A+	A+	A+
Tbiv	°C	-7	-7	-7
Minimum outside temp. (Toll)	°C	-15	-15	-15
Max Power consumption	W	3000	3600	5200
Max Current consumption	A	15	18	24
Sound power level Outdoor unit	dB(A)	63	65	67
<b>Outdoor Unit</b>				
Dimensions(WxDxH)	mm	800x333x554	845x363x702	946x410x810
Packing(WxDxH)	mm	920x390x615	965x395x765	1090x500x875
Weight net/gross	kg	36/39	53/56,5	68,8/75,6
Nominal pressure	MPa	4,3/1,7	4,3/1,7	4,3/1,7
<b>Cooling Circuit</b>				
Liquid side/ Gas side	mm(inch)	(1/4"/3/8")	(1/4"/3/8")	(4x1/4"/3x3/8"+1x1/2")
Max pipes length	m	40	60	80
Max. length Indoor unit	m	25	30	35
Max. difference in height O.U. and I.U.	m	15	15	15
Max difference in height among I.U	m	10	10	10

Note: the above data refer to a standard combination of indoor units.  
Please refer to [www.naicon.com](http://www.naicon.com) for further details and info.



COMPRESSOR  
5 YEARS  
WARRANTY



# FROZEN INDOOR UNIT SINGLE & MULTISPLIT

Indoor units DC Inverter R32 Wi-Fi Ready

FROZEN indoor units can be used for all types of units, guaranteeing a high efficiency operation in class A++ and A+++, reducing consumption. The indoor units offer maximum flexibility of installation and excellent air distribution in the environment

Code	D.FROZEN9	D.FROZEN12	D.FROZEN18	D.FROZEN24	
<b>Technical Features</b>					
Power supply	V,Hz,Ph		220-240V~, 1P, 50Hz		
<b>Cooling</b>					
Capacity	Btu/h	9000	12000	18000	25000
Power consumption	W	40	40	36	58
Nominal current	A	0,11	0,11	0.15	0.28
<b>Heating</b>					
Capacity Btu/h	Btu/h	10000	13000	19000	26000
Power consumption	W	24	24	34	62
Nominal current	A	0,11	0,11	0.15	0.28
Fan speed (Hi/Mi/Lo)	r/min	1030/850/750	1130/950/750	1130 / 900 / 800	1150 / 1000 / 850
Air flow (Hi/Mi/Lo)	m <sup>3</sup> /h	520/460/360	600/500/360	840/680/540	980/817/662
Sound pressure (Hi/Mi/Lo/Si)	dB(A)	40/30/26/21	40/34/26/22	44/37/30/25	44.5/42/34.5/28
Dimensions (WxDxH)	mm	805x194x285	805x194x285	957x213x302	1040x220x327
Weight net/gross	Kg	7.5/9.7	7.5/9.7	10/13	12.3/15.8
Pipes liquid/gas	inches	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"
<b>Ambient temperature</b>					
Cooling	°C	17-32	17-32	17-32	17-32
Heating	°C	0-30	0-30	0-30	0-30

Note: the above data refer to an indoor unit with the correspondent outdoor unit. Please refer to [www.naicon.com](http://www.naicon.com) for further details and info



POMPA DI CALORE



DEUMIDIFICATORE



FUNZIONE SLEEP



AUTO SWING



STANDBY 0.5 WATT



TELECOMANDO (DI SERIE)







COMPRESSORE GARANZIA 5 ANNI



DISPLAY RETRO ILLUMINATO



# CONFIGURATION TABLE FROZEN R32 SERIES

PRODUCTS		D.FROZEN9	D.FROZEN12	D.FROZEN18	D.FROZEN24
		X			
			X		
				X	
					X
D.FROZEN200		X	X	X	
D.FROZEN300		X	X	X	
D.FROZEN400		X	X	X	

It is possible to combine FLOOR e CASSETTE series (D.PAV-IN12 and D.CASSETTE-IN12) as written on page 20.

POWER WALL-I DC INVERTER	OUTDOOR UNIT	INDOOR UNIT	INDOOR UNIT	INDOOR UNIT	INDOOR UNIT
MONO DC INVERTER 9000 BTU	D.FROZEN109	D.FROZEN9			
MONO DC INVERTER 12000 BTU	D.FROZEN112	D.FROZEN12			
MONO DC INVERTER 18000 BTU	D.FROZEN118	D.FROZEN18			
MONO DC INVERTER 24000 BTU	D.FROZEN124	D.FROZEN24			
DUAL DC INVERTER 18000 BTU	D.FROZEN200	D.FROZEN9	D.FROZEN9		
DUAL DC INVERTER 21000 BTU	D.FROZEN200	D.FROZEN9	D.FROZEN12		
DUAL DC INVERTER 24000 BTU	D.FROZEN200	D.FROZEN12	D.FROZEN12		
TRIAL DC INVERTER 27000 BTU	D.FROZEN200	D.FROZEN9	D.FROZEN18		
TRIAL DC INVERTER 27000 BTU	D.FROZEN300	D.FROZEN9	D.FROZEN9	D.FROZEN9	
TRIAL DC INVERTER 30000 BTU	D.FROZEN300	D.FROZEN9	D.FROZEN9	D.FROZEN12	
TRIAL DC INVERTER 33000 BTU	D.FROZEN300	D.FROZEN9	D.FROZEN12	D.FROZEN12	
TRIAL DC INVERTER 36000 BTU	D.FROZEN300	D.FROZEN12	D.FROZEN12	D.FROZEN12	
POKER DC INVERTER 36000 BTU	D.FROZEN400	D.FROZEN9	D.FROZEN9	D.FROZEN9	D.FROZEN9
POKER DC INVERTER 39000 BTU	D.FROZEN400	D.FROZEN9	D.FROZEN9	D.FROZEN9	D.FROZEN12
POKER DC INVERTER 42000 BTU	D.FROZEN400	D.FROZEN9	D.FROZEN9	D.FROZEN12	D.FROZEN12
POKER DC INVERTER 45000 BTU	D.FROZEN400	D.FROZEN9	D.FROZEN9	D.FROZEN9	D.FROZEN18
POKER DC INVERTER 45000 BTU	D.FROZEN400	D.FROZEN9	D.FROZEN12	D.FROZEN12	D.FROZEN12
POKER DC INVERTER 48000 BTU	D.FROZEN400	D.FROZEN12	D.FROZEN12	D.FROZEN12	D.FROZEN12



WI-FI  
FUNCTION



COMPRESSOR  
5 YEARS  
WARRANTY



# EFFICIENCY FROZENR32 SERIES

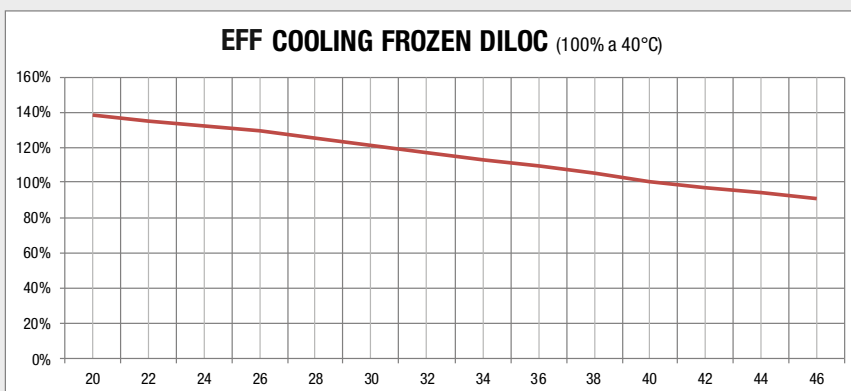


WI-FI  
FUNCTION



COOLING (100% a 40°C)

T amb	% RESA
20	138%
22	135%
24	132%
26	129%
28	125%
30	121%
32	117%
34	113%
36	109%
38	105%
40	100%
42	97%
44	94%
46	91%



HEATING (100% a 2°C)

T amb	% RESA
-14	73%
-12	77%
-10	80%
-8	83%
-6	87%
-4	92%
-2	96%
0	100%
2	104%
4	108%
6	112%
8	116%
10	120%
12	124%
14	128%
16	132%
18	133%

