



TECHNOLOGY WITH
ARTIFICIAL
INTELLIGENCE





ADDITIONAL HEATER

The supplemental heating system of outdoor unit Nippon gives you certainty during cold winter nights, when the ambient temperature can fall down to -20 °C, that your air conditioner Nippon will do its job flawlessly.



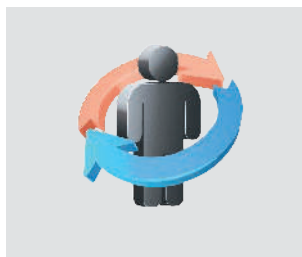
4D AIRFLOW

The louvers direct the airflow horizontally and vertically in every direction. This ensures the even heat distribution during winter and the mild cooling in the summer months, so you can enjoy perfect comfort in every part of the room.



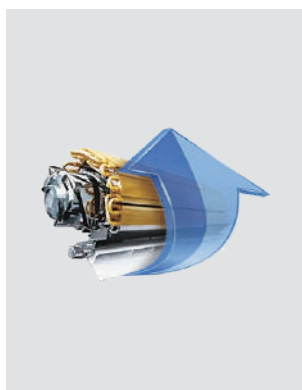
REFRIGERANT LEAK DETECTION FUNCTION

This function can detect a possible leak in the copper pipes or weldings, thus protecting the customer and the compressor itself. A complex algorithm follows the compressor's temperature which can be caused by a shortage of refrigerant gas. When such shortage is detected the air conditioner turns off automatically and displays the corresponding error code.



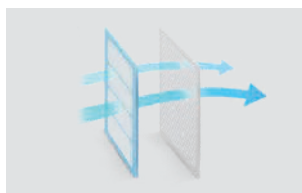
"FOLLOW ME" FUNCTION

The remote control has a built-in temperature sensor that detects every 3 minutes the ambient temperature and sends the information to the air conditioner's main board. Considering this data the unit can adjust the room temperature more accurately and thus to provide even greater comfort. This function can be activate/deactivated with the SET button.



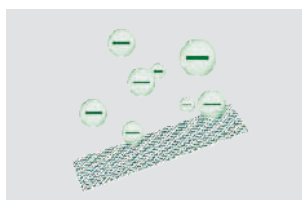
SELF-CLEANING

During operation the indoor units inevitably accumulates dust, bacteria and other particles that can lead to ineffective work or unhealthy environment. To avoid this Nippon air conditioners are equipped with 'Self-cleaning' option. It includes several stages with a total duration of 27 min. The system creates a frosted condensed water that is defrosted in the next stage. This procedure cleans up the accumulated dirt. In the final stage the fan is turned on to dry up the heat exchanger preventing the formation of mold and fungi. To start self-cleaning function turn on the air conditioner in cooling mode and press the 'clean' button on the remote.



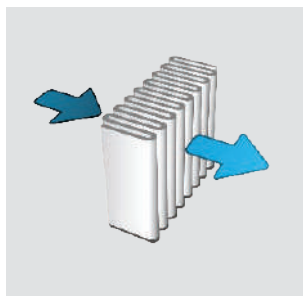
HIGH-DENSITY FILTER

Thanks to Nippon air conditioners you will breathe clean, healthy air. The air filters of each model are capable of cleaning up to 80% more dust and pollen thanks to the unique high-density technology.



SILVER ION FILTER

Silver ion filters have a powerful antibacterial effect. They purify the contaminated air and protect you both from dust and bacteria. Thus the air conditioner takes care not only for the comfort in your home but for your health as well.



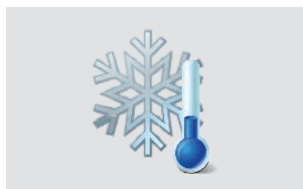
HEPA FILTER

HEPA, or High Efficiency Particulate Air filters, are designed for applications where contaminants must be trapped on the first go round. For example, you wouldn't want viruses circulating in the hospital air. HEPA filters can capture up to 99.7 % of all contaminants 0.3 microns or greater using a dense mat of fibers arranged in a specific configuration. Some particles naturally adhere to the fibers when they hit, while others get trapped by the curved contours of the fibers. The remaining particles are trapped when they are forced to collide with gas molecules in the filter. The Nippon air conditioners are equipped with HEPA filters for more healthy home or office environment.



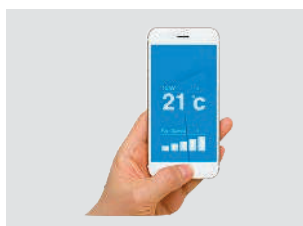
SILENT WORK

Nothing is better than return to a quiet and peaceful home after a busy day at work. Nippon air conditioners are equipped with the latest innovation in silent technology which guarantees you enjoyable rest in the evenings.



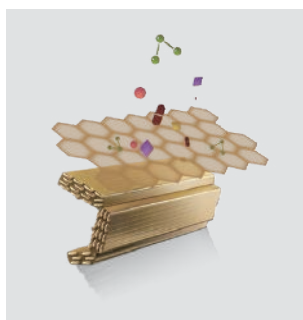
8°C HEATING

Thanks to this function the air conditioner will support a temperature of 8°C preventing the freezing of the room while you are away for a longer period of time. The energy consumption of the AC in this mode is significantly lower compared to the normal operation.



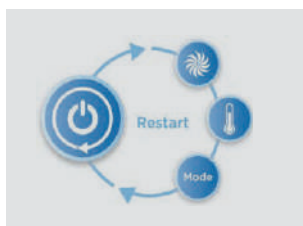
WI-FI MODULE (OPTIONAL)

Just download the Net Home Plus app and you can control the climate in your home from anywhere at any time. It is compatible with Amazon Echo and Google Home which means you can control your Nippon AC verbally. It's so easy, isn't it?



INNOVATIVE HEAT EXCHANGER

The Golden Fin technology used in the Nippon air conditioners is more resistant to water rust, adherent grease, oxidation and other corrosive elements than ordinary blue fins. The heat exchanger is one of the main components of each air conditioner and its contamination could lead to poorer operation and shorter life span. Thanks to this new technology you will avoid such problems.



AUTO RESTART FUNCTION

If the unit turns off unexpectedly due to a power cut, it will restart with the last used settings automatically when the power supply resumes. This gives you certainty that even if you're not at home or asleep, the desired temperature will be reached without any intervention by your side.



"1W STANDBY" MODE

During the months when the air conditioner is not being used it is still connected to the power supply. This smart technology of Nippon AC switches the machine to an energy saving mode automatically decreasing the power consumption to only 1 W.

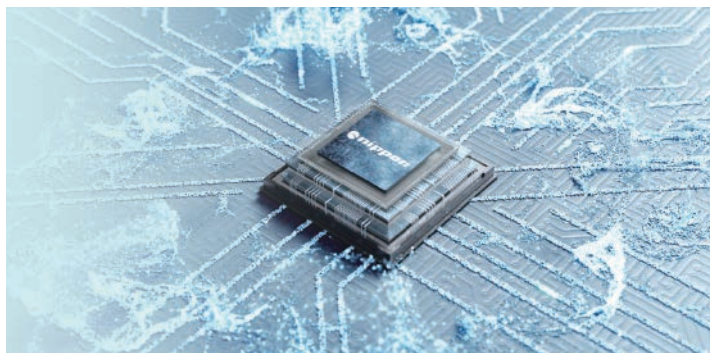
GLORY PRO



GLORY PRO combines smart efficiency with low energy consumption and optimum comfort thanks to the upgraded ECO+ mode. The series uses AI algorithm that predicts the user's needs and preferences and sets the settings according to them with no need of human interference. The outdoor unit is equipped with precise inverter compressor and smart temperature control with deviation of just $\pm 0.5^{\circ}\text{C}$, that guarantees silent and stable work.

- **Precise AI control**
- **Comfort and energy efficiency**

AI controls the air condition in a way that suits the user's preferences and habits.

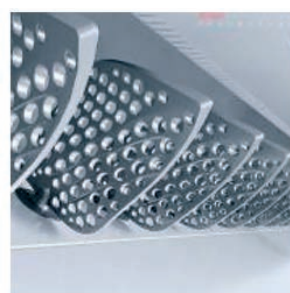


Basic information		GLORY PRO 09	GLORY PRO 12	GLORY PRO 18
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling capacity (Min./Nom./Max)	kW	1.0 / 2.6 / 3.5	1.4 / 3.5 / 4.0	2.0 / 5.0 / 6.1
Consumption power - cooling (Min./Nom./Max)	kW	0.08 / 0.63 / 1.3	0.1 / 1.03 / 1.5	0.1 / 1.4 / 1.8
Heating capacity (Min./Nom./Max)	kW	0.8 / 2.9 / 3.7	1.1 / 3.8 / 4.1	1.4 / 5.4 / 6.8
Consumption power - heating (Min./Nom./Max)	kW	0.07 / 0.66 / 1.07	0.1 / 0.9 / 1.4	0.2 / 1.44 / 1.7
SEER	W/W	8.8	8.5	7
SCOP	W/W	4.6	4.6	4.19
Energy label (Cooling/Heating)		A+++ / A++	A+++ / A++	A+++ / A++
Operation temperature (cooling)	$^{\circ}\text{C}$	-10~49	-10~49	-10~49
Operation temperature (heating)	$^{\circ}\text{C}$	-20~30	-20~30	-20~30
Application area minimum-maximum	m^2	10~15	15~25	25~40
Indoor unit				
Dimension (W*D*H)	mm	723 x 199 x 286	813 x 201 x 289	975 x 218 x 308
Net/Gross weight	Kg	7.5 / 9.6	8 / 10.4	10.2 / 13.3
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	39/34/25/19	39/32/26/20	43/36/28/21.5
Outdoor unit				
Compressor type		Rotary	Rotary	Rotary
Dimension (W*D*H)	mm	765 x 303 x 505	765 x 303 x 555	785 x 300 x 555
Net/Gross weight	Kg	23.1/25.4	23.1/25.4	37.8/41
Outdoor sound pressure level	dB(A)	54	55	57
Refrigerant				
Type		R32	R32	R32
Charged quantity	Kg	0.55	0.58	0.85
Additional charge	g/m	15	15	25
Refrigerant piping				
Liquid side / Gas side	mm(inch)/mm(inch)	6.35/9.52 mm(1/4"/3/8")	6.35/9.52mm(1/4"/3/8")	6.35/12.7mm(1/4"/1/2")
Max. refrigerant pipe length / without recharging	m	25/5	25/5	30/5
Max. difference in level	m	10	10	20
Accessories				
Remote control		✓	✓	✓
Wi-Fi		✓	✓	✓



Nippon Nordic has excellent energy efficiency in cooling and heating mode ensuring economic performance all year round. The series is perfect for the harsh winter weather thanks to the built-in heater. It will keep the outdoor unit running even at -25°C.

The model is equipped with 3-in-1 filter (photocatalytic + active carbon + antistatic) and patent specially designed louver for soft air flow when used for cooling.

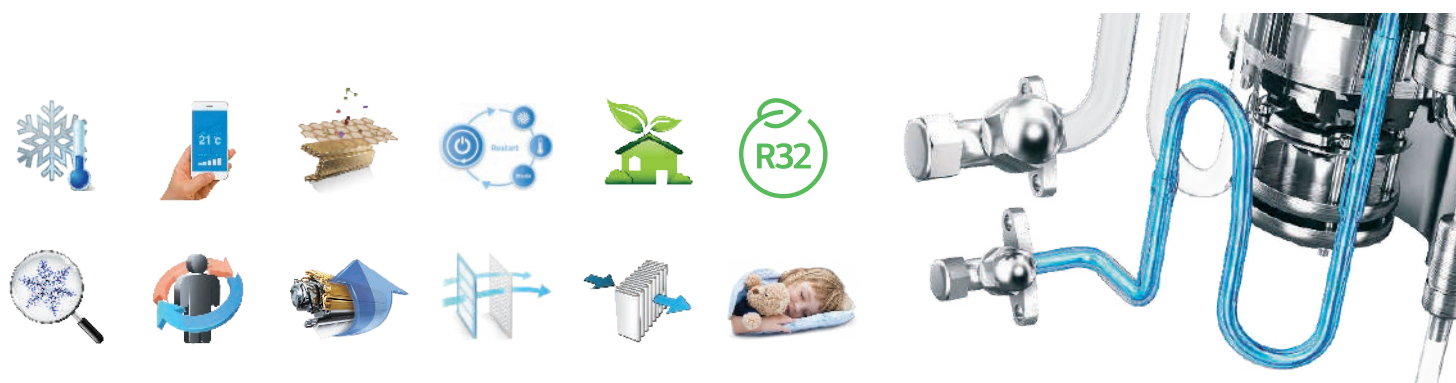


Basic information		NPC 09T PRO NORDIC	NPC 12T PRO NORDIC	NPC 18T PRO NORDIC	NPC 24T PRO NORDIC
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling capacity (Min./Nom./Max)	kW	0.94 / 2.6 / 3.7	1.0 / 3.52 / 4.6	1.25 / 5.2 / 5.92	1.83 / 7.0 / 7.82
Consumption power - cooling (Min./Nom./Max)	kW	0.24 / 0.67 / 1.38	0.29 / 1.05 / 1.51	0.33 / 1.41 / 2.35	0.41 / 1.94 / 2.83
Heating capacity (Min./Nom./Max)	kW	0.94 / 3.3 / 4.0	1.0 / 3.86 / 4.9	1.25 / 5.5 / 6.69	1.85 / 7.1 / 7.96
Consumption power - heating (Min./Nom./Max)	kW	0.24 / 0.86 / 1.55	0.29 / 0.96 / 1.72	0.34 / 1.4 / 2.54	0.42 / 1.81 / 3.0
SEER	W/W	8.5	8.5	8.5	8.5
SCOP	W/W	4.6	4.7	4.6	4.7
Energy label (Cooling/Heating)		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Operation temperature (cooling)	°C	-15~53	-15~53	-15~53	-15~53
Operation temperature (heating)	°C	-25~30	-25~30	-25~30	-25~30
Application area minimum-maximum	m ²	9~16	14~22	20~35	27~45
Indoor unit		NPC 09T PRO NORDIC	NPC 12T PRO NORDIC	NPC 18T PRO NORDIC	NPC 24T PRO NORDIC
Dimension (W*D*H)	mm	820 x 195 x 306	820 x 195 x 306	920 x 195 x 306	1100 x 222 x 333
Net/Gross weight	Kg	9.0 / 11.0	9.0 / 11.0	10 / 13	14 / 17
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	41 / 34 / 25	41 / 34 / 25	42 / 38 / 34	44 / 37 / 30
Outdoor unit		NPC 09T PRO NORDIC	NPC 12T PRO NORDIC	NPC 18T PRO NORDIC	NPC 24T PRO NORDIC
Compressor type		Rotary	Rotary	Rotary	Rotary
Dimension (W*D*H)	mm	787 x 290 x 498	810 x 305 x 549	927 x 380 x 699	978x 421x803
Net/Gross weight	Kg	22 / 24	24 / 26	38 / 41	45 / 48
Outdoor sound pressure level	dB(A)	52	53	55	58
Refrigerant		NPC 09T PRO NORDIC	NPC 12T PRO NORDIC	NPC 18T PRO NORDIC	NPC 24T PRO NORDIC
Type		R32	R32	R32	R32
Charged quantity	Kg	0.57	0.6	0.87	1.27
Additional charge	g/m	15	15	25	25
Refrigerant piping		NPC 09T PRO NORDIC	NPC 12T PRO NORDIC	NPC 18T PRO NORDIC	NPC 24T PRO NORDIC
Liquid side / Gas side	mm(inch)	6.35/9.52 (1/4"/3/8")	6.35/9.52(1/4"/3/8")	6.35/12.7(1/4"/1/2")	6.35/12.7(1/4"/1/2")
Max. refrigerant pipe length / without recharging	m	25/5	25/5	25/5	25/5
Max. difference in level	m	10	10	10	10
Accessories		NPC 09T PRO NORDIC	NPC 12T PRO NORDIC	NPC 18T PRO NORDIC	NPC 24T PRO NORDIC
Remote control		✓	✓	✓	✓
Wi-Fi		✓	✓	✓	✓

KFR DCB ECO ENERGY



ECO ENERGY combines high efficiency, low energy consumption and small global warming impact thanks to the new refrigerant R32. The Nippon AC system uses a reliable and yet innovative compressor rotating with 180° symmetrical balance creating less vibrations and quitter operation. In addition, the optimized shape of the fan blower contributes to the better air flow and temperature distribution in the room.



Basic information		KFR 14 DCB ECO ENERGY
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz
Cooling capacity (Min./Nom./Max)	kW	1.38 / 3.52 / 4.31
Consumption power - cooling (Min./Nom./Max)	kW	0.13 / 1.03 / 1.65
Heating capacity (Min./Nom./Max)	kW	1.07 / 3.81 / 4.38
Consumption power - heating (Min./Nom./Max)	kW	0.16 / 1.03 / 1.56
SEER	W/W	8.5
SCOP	W/W	4.6
Energy label (Cooling/Heating)		A+++ / A++
Operation temperature (cooling)	°C	-10~50
Operation temperature (heating)	°C	-15~30
Application area minimum-maximum	m ²	16~25
Indoor unit		KFR 14 DCB ECO ENERGY
Dimension (W*D*H)	mm	805 x 193 x 302
Net/Gross weight	Kg	8.7 / 11.4
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	39 / 33 / 25 / 21
Outdoor unit		KFR 14 DCB ECO ENERGY
Compressor type		Rotary
Dimension (W*D*H)	mm	765 x 303 x 555
Net/Gross weight	Kg	26.7 / 29.1
Outdoor sound pressure level	dB(A)	55
Refrigerant		
Type		R32
Charged quantity	Kg	0.62
Additional charge	g/m	12
Refrigerant piping		
Liquid side / Gas side	mm(inch)	6.35/9.52 (1/4"/3/8")
Max. refrigerant pipe length / without recharging	m	25/5
Max. difference in level	m	10
Accessories		
Remote control		✓
Wi-Fi		✓

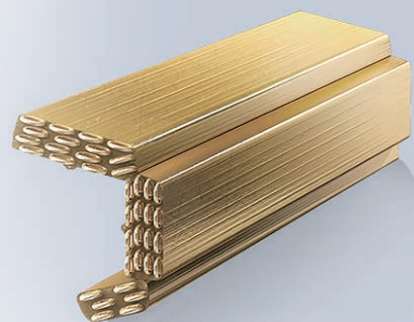
KFR DCA ECO POWERFUL



Inverter air conditioners Nippon KFR DCA ECO POWERFUL are equipped with the most advanced technologies for a high-efficient and noiseless operation. The models of this Nippon series work perfectly well in both cooling and heating modes keeping low noise levels and small energy consumption compared to similar products. They are the ideal choice for everyone who is looking for the best quality-price ratio products.



Golden Fin technology used in some heat exchangers of Nippon is more resilient to rust, grease, oxidizing and other corrosive elements compared to the standard blue fins.



Basic information		KFR 09 DCA ECO POWERFUL	KFR 12 DCA ECO POWERFUL	KFR 18 DCA ECO POWERFUL	KFR 24 DCA ECO POWERFUL
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling capacity (Min./Nom./Max)	kW	0.9 / 2.6 / 3.4	1.11 / 3.51 / 4.16	1.82 / 5.28 / 6.16	2.08 / 7.03 / 7.91
Consumption power - cooling (Min./Nom./Max)	kW	0.1 / 0.73 / 1.24	0.13 / 1.24 / 1.58	0.56 / 1.55 / 2.05	0.42 / 2.6 / 3.15
Heating capacity (Min./Nom./Max)	kW	0.82 / 2.93 / 3.37	1.08 / 3.8 / 4.22	1.29 / 5.57 / 6.74	1.61 / 7.33 / 7.91
Consumption power - heating (Min./Nom./Max)	kW	0.12 / 0.73 / 1.2	0.1 / 1.08 / 1.68	0.78 / 1.57 / 2.0	0.3 / 2.4 / 2.75
SEER	W/W	6.3	6.1	7.4	6.1
SCOP	W/W	4.0	4.0	4.0	4.0
Energy label (Cooling/Heating)		A++ / A+	A++ / A+	A++ / A+	A++ / A+
Operation temperature (cooling)	°C	-10~50	-10~50	-10~50	-10~50
Operation temperature (heating)	°C	-15~30	-15~30	-15~30	-15~30
Application area minimum-maximum	m²	10~15	15~25	25~40	40~60
Indoor unit		KFR 09 DCA ECO POWERFUL	KFR 12 DCA ECO POWERFUL	KFR 18 DCA ECO POWERFUL	KFR 24 DCA ECO POWERFUL
Dimension (W*D*H)	mm	805 x 194 x 285	805 x 194 x 285	957 x 213 x 302	1040 x 220 x 327
Net/Gross weight	Kg	7.6 / 9.7	7.6 / 9.8	10 / 13	12.3/15.8
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	38.5 / 32 / 25	40.5 / 34.5 / 25	42.5 / 36 / 26	45 / 40.5 / 36
Outdoor unit		KFR 09 DCA ECO POWERFUL	KFR 12 DCA ECO POWERFUL	KFR 18 DCA ECO POWERFUL	KFR 24 DCA ECO POWERFUL
Compressor type		Rotary	Rotary	Rotary	Rotary
Dimension (W*D*H)	mm	720 x 270 x 495	720 x 270 x 495	805 x 330x554	890 x 342 x 673
Net/Gross weight	Kg	23.2 / 25.0	23.2 / 25.0	32.7 / 35.4	42.9 / 45.9
Outdoor sound pressure level	dB(A)	55,5	56	56	59
Refrigerant		KFR 09 DCA ECO POWERFUL	KFR 12 DCA ECO POWERFUL	KFR 18 DCA ECO POWERFUL	KFR 24 DCA ECO POWERFUL
Type		R32	R32	R32	R32
Charged quantity	Kg	0.55	0.55	1.08	1.42
Additional charge	g/m	12	12	12	24
Refrigerant piping		KFR 09 DCA ECO POWERFUL	KFR 12 DCA ECO POWERFUL	KFR 18 DCA ECO POWERFUL	KFR 24 DCA ECO POWERFUL
Liquid side / Gas side	mm(inch)	6.35/9.52 (1/4"/3/8")	6.35/9.52(1/4"/3/8")	6.35/12.7(1/4"/1/2")	9.52/15.9(3/8"/5/8")
Max. refrigerant pipe length / without recharging	m	25/5	25/5	30/5	50/5
Max. difference in level	m	10	10	20	25
Accessories		KFR 09 DCA ECO POWERFUL	KFR 12 DCA ECO POWERFUL	KFR 18 DCA ECO POWERFUL	KFR 24 DCA ECO POWERFUL
Remote control		✓	✓	✓	✓
Wi-Fi		✓	✓	✓	✓

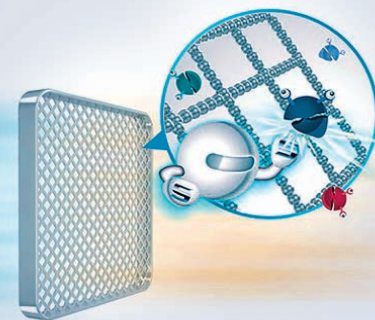
KFR DC SILVER ION



Nippon air conditioners from this series are equipped with silver ion filters which have powerful anti-bacterial effect. The compressor is controlled by the most advanced technology - 180° symmetrical balance creating less vibrations and quitter operation. The machines are designed according to the latest European energy and environmental requirements. Every model from this series is characterized with high SEER and SCROP coefficients.



The filter eliminates microbes and bacteria thanks to the silver ion influence to their cell structure.

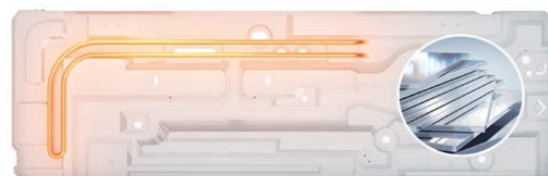


Basic information		KFR 09 DC SILVER ION	KFR 12 DC SILVER ION	KFR 18 DC SILVER ION	KFR 24 DC SILVER ION
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling capacity (Min./Nom./Max)	kW	0.6 / 2.64 / 3.1	0.8 / 3.5 / 4.1	1.3 / 5.3 / 5.9	1.8 / 7.2 / 7.4
Consumption power - cooling (Min./Nom./Max)	kW	0.1 / 0.85 / 1.6	0.1 / 1.18 / 1.6	0.29 / 1.58 / 2.1	0.23 / 2.2 / 2.76
Heating capacity (Min./Nom./Max)	kW	0.8 / 2.9 / 3.4	1.0 / 3.8 / 4.2	1.3 / 5.6 / 6.0	1.8 / 7.2 / 8.0
Consumption power - heating (Min./Nom./Max)	kW	0.3 / 0.85 / 1.6	0.3 / 1.10 / 1.6	0.25 / 1.55 / 1.8	0.23 / 2.2 / 2.53
SEER	W/W	6.1	6.19	7	6.53
SCOP	W/W	4.0	4.03	4.19	4.09
Energy label (Cooling/Heating)		A++ / A+	A++ / A+	A++ / A+	A++ / A+
Operation temperature (cooling)	°C	-10~49	-10~49	-10~49	-10~49
Operation temperature (heating)	°C	-15~30	-15~30	-15~30	-15~30
Application area minimum-maximum	m ²	10~15	15~25	25~40	40~60
Indoor unit					
Dimension (W*D*H)	mm	792 x 201 x 292	792 x 201 x 296	940 x 224 x 316	1132 x 232 x 330
Net/Gross weight	Kg	8.5	8.5	11.5	14
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	38.5 / 32 / 25	40.5 / 34.5 / 25	42.5 / 36 / 26	45 / 40.5 / 36
Outdoor unit					
Compressor type		Rotary	Rotary	Rotary	Rotary
Dimension (W*D*H)	mm	650 x 233 x 456	705 x 279 x 530	785 x 300 x 555	900 x 350 x 700
Net/Gross weight	Kg	18	22.5	28	39
Outdoor sound pressure level	dB(A)	55.5	56	56	59
Refrigerant					
Type		R32	R32	R32	R32
Charged quantity	Kg	0.55	0.56	1.03	1.3
Additional charge	g/m	15	15	25	25
Refrigerant piping					
Liquid side / Gas side	mm(inch)	6.35/9.52mm(1/4"/3/8")	6.35/9.52mm(1/4"/3/8")	6.35/12.7mm(1/4"/1/2")	6.35/15.9mm(1/4"/5/8")
Max. refrigerant pipe length / without recharging	m	20/5	20/5	20/5	25/5
Max. difference in level	m	10	10	10	15
Accessories					
Remote control		✓	✓	✓	✓
Wi-Fi		Optional	Optional	Optional	Optional

KFR DC SILVER ION SMART



Air conditioners Nippon from the Silver Ion Smart series are equipped with silver ion filter which neutralize pollutants and freshens the air thanks to the negatively charged ions, or anions, that emits. For greater comfort the air conditioners from this series can be controlled from a distance via Wi-Fi. Another advantage is the 4D airflow which directs the air vertically and horizontally.



The outdoor unit supplemental heating system gives you certainty during colder winter nights, that your room will stay warm and cozy.

Basic information		KFR 09 DC SILVER ION	KFR 12 DC SILVER ION
Power supply	Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling capacity (Min./Nom./Max)	kW	0.6 / 2.64 / 3.1	0.8 / 3.5 / 4.1
Consumption power - cooling (Min./Nom./Max)	kW	0.1 / 0.85 / 1.6	0.1 / 1.18 / 1.6
Heating capacity (Min./Nom./Max)	kW	0.8 / 2.9 / 3.4	1.0 / 3.8 / 4.2
Consumption power - heating (Min./Nom./Max)	kW	0.3 / 0.85 / 1.6	0.3 / 1.10 / 1.6
SEER	W/W	6.1	6.19
SCOP	W/W	4.0	4.03
Energy label (Cooling/Heating)		A++ / A+	A++ / A+
Operation temperature (cooling)	°C	-10~49	-10~49
Operation temperature (heating)	°C	-20~30	-20~30
Application area minimum-maximum	m ²	10~15	15~25
Indoor unit			
Dimension (W*D*H)	mm	792 x 201 x 292	792 x 201 x 296
Net/Gross weight	Kg	8.5	8.5
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	38.5 / 32 / 25	40.5 / 34.5 / 25
Outdoor unit			
Compressor type		Rotary	Rotary
Dimension (W*D*H)	mm	650 x 233 x 456	705 x 279 x 530
Net/Gross weight	Kg	18	22.5
Outdoor sound pressure level	dB(A)	55.5	56
Refrigerant			
Type		R32	R32
Charged quantity	Kg	0.55	0.56
Additional charge	g/m	15	15
Refrigerant piping			
Liquid side / Gas side	mm(inch)	6.35/9.52 mm(1/4"/3/8")	6.35/9.52mm(1/4"/3/8")
Max. refrigerant pipe length / without recharging	m	20/5	20/5
Max. difference in level	m	10	10
Accessories			
Remote control		✓	✓
Wi-Fi		✓	✓

COLUMN TYPE

The column type air conditioner of Nippon is equipped with a powerful DC motor and a large fan generating an air flow of up to 15 m distance. In combination with the elegant design, easy maintenance and intuitive control, this machine becomes an ideal choice for offices, restaurants and other public buildings.



NPC 24MCFL



NFGD-48HRFN8-Q / NOE30U-48HFN8-R

Basic information		NPC 24MCFL	NFGD-48HRFN8-Q / NOE30U-48HFN8-R
Power supply	Ph-V-Hz	220-240V, 1Ph, 50Hz	380-415V, 3Ph, 50Hz
Cooling capacity (Min./Nom./Max)	kW	0.89 / 7.03 / 7.26	4.96 / 14.7 / 15.46
Consumption power - cooling (Min./Nom./Max)	kW	0.35 / 2.24 / 3.45	1.16 / 4.95 / 5.9
Heating capacity (Min./Nom./Max)	kW	0.89 / 7.03 / 7.26	4.4 / 16.12 / 18.49
Consumption power - heating (Min./Nom./Max)	kW	0.35 / 2.1 / 3.45	1.02 / 5.2 / 6.2
SEER		6.1	6.1
SCOP		4.0	4.0
Energy label (Cooling / Heating)		A++ / A+	A++ / A+
Operation temperature (cooling)	°C	-10~50	-10~50
Operation temperature (heating)	°C	-15~24	-15~24
Indoor unit		NPC 24MCFL	NFGD-48HRFN8-Q
Dimension (W*D*H)	mm	416 x 416 x 1738	929 x 456 x 1935
Packing (W*D*H)	mm	490 x 453 x 1855	750 x 575 x 2055
Net/Gross weight	Kg	24 / 31	58.4 / 77.1
Indoor sound pressure level (Hi/Mi/Lo)	dB(A)	- / 48 / -	55 / 53 / 51.5
Outdoor unit		NPC 24MCFL	NOE30U-48HFN8-R
Compressor type		Rotary	Rotary
Dimension (W*D*H)	mm	699 x 380 x 927	952 x 415 x 1333
Packing (W*D*H)	mm	732 x 430 x 960	1095 x 495 x 1480
Net/Gross weight	Kg	39 / 42	106.7 / 119.9
Outdoor sound pressure level	dB(A)	58	65
Refrigerant			
Type		R32	R32
Charged quantity	Kg	1.34	2.8
Additional charge	g/m	24	24
Refrigerant piping			
Liquid side / Gas side	mm(inch)	6.0/12.7(1/4"/1/2")	9.52/15.9(3/8"/5/8")
Max. refrigerant pipe length / without recharging	m	25/5	65/5
Max. difference in level	m	5	30
Accessories			
Remote control RG57 RC		✓	✓
Wired remote control KJR-120G2 (+ cable 6m)		Optional	Optional
Wi-Fi		Optional	Optional

MULTI SPLIT SYSTEM

You can connect up to 5 indoor units of different type to one outdoor unit of the multi split series of Nippon. This gives you the opportunity for flexible and personalized solutions for air conditioning villas or small office buildings with different rooms. The compact dimensions of the outdoor units allow you an easy installation on rooftops or walls avoiding the disfigurement of the facade.



Basic information		N20G-14HFN8-Q	N20C-18HFN8-Q	N30E-21HFN8-Q	N30E-27HFN8-Q	N40E-28HFN8-Q	N40B-36HFN8-Q	N50D-42HFN8-Q
Maximum number of indoor units		2	2	3	3	4	4	5
Power supply	Ph-V-Hz	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph
Cooling capacity (Min./Nom./Max)	kW	1.82 / 4.1 / 4.8	2.05 / 5.3 / 6.85	1.95 / 6.15 / 6.85	2.96 / 7.9 / 8.5	2.05 / 8.20 / 9.85	2.05 / 10.55 / 12.6	2.05 / 12.30 / 14.15
Consumption power - cooling (Min./Nom./Max)	kW	0.17 / 1.27 / 1.71	0.65 / 1.63 / 2.0	0.18 / 1.95 / 2.24	0.24 / 2.45 / 3.22	0.89 / 2.54 / 3.18	1.14 / 3.27 / 4.09	1.49 / 4.26 / 4.58
Heating capacity (Min./Nom./Max)	kW	1.53 / 4.4 / 5.1	2.35 / 5.57 / 7.24	1.73 / 6.6 / 7.25	2.04 / 8.2 / 9.38	2.35 / 8.80 / 10.55	2.35 / 10.85 / 13.0	2.35 / 12.30 / 14.77
Consumption power - heating (Min./Nom./Max)	kW	0.27 / 1.19 / 1.70	0.6 / 1.30 / 1.67	0.33 / 1.78 / 1.92	0.31 / 2.10 / 2.89	0.77 / 2.2 / 2.75	0.97 / 2.76 / 3.45	1.09 / 3.10 / 4.00
SEER	W/W	5,6	6,0	6,1	6,1	6,1	6,2	6,1
SCOP	W/W	3,8	3,8	4,0	4,0	3,8	3,8	3,5
Energy label (Cooling / Heating)		A+ / A	A+ / A	A++ / A+	A++ / A+	A++ / A	A++ / A	A++ / A
Operation temperature (Cooling)	°C	-10~50	-10~50	-10~50	-10~50	-10~50	-10~50	-10~50
Operation temperature (Heating)	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Outdoor unit		N20G-14HFN8-Q	N20C-18HFN8-Q	N30E-21HFN8-Q	N30E-27HFN8-Q	N40E-28HFN8-Q	N40B-36HFN8-Q	N50D-42HFN8-Q
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Dimension(W*D*H)	mm	800x333x554	800x333x554	845x363x702	845x363x702	946x410x810	946x410x810	946x410x810
Packing (W*D*H)	mm	920x390x615	920x390x615	965x395x775	965x395x775	1090x500x885	1090x500x875	1090x500x875
Net/Gross weight	Kg	31.6/34.7	35.5/38.5	46.8/51.1	51.1/55.8	62.1/67.7	68.8/75.6	73.3/80.4
Outdoor sound pressure level	dB(A)	57	56	57.5	54	61.5	63	64
Refrigerant								
Type		R32	R32	R32	R32	R32	R32	R32
Charged quantity	Kg	1.1	1.25	1.4	1.72	2.1	2.1	2.4
Length of pipes without charging	m	10	10	15	15	20	20	25
Additional charge	g/m	10	10	15	15	20	20	25
Refrigerant piping								
Liquid side/ Gas side	mm	2x6.35/2x9.52	2x6.35/2x9.52	3x6.35/3x9.52	3x6.35/3x9.52	4x6.35/3x9.52+1x12.7	4x6.35/3x9.52+1x12.7	5x6.35/4x9.52+1x12.7
Max. length for all rooms	m	40	40	60	60	80	80	80
Max. length for one indoor unit	m	25	25	30	30	35	35	35
Max. height difference between indoor and outdoor unit	m	15	15	15	15	15	15	15
Max. height difference between indoor units	m	10	10	10	10	10	10	10

* The data from the above table is valid for combinations with high-wall mounted indoors. Discrepancies are possible if other type of indoors are used.

Series	Model	N20G-14HFN8-Q	N20C-18HFN8-Q	N30E-21HFN8-Q	N30E-27HFN8-Q	N40E-28HFN8-Q	N40B-36HFN8-Q	N50D-42HFN8-Q
HIGH WALL TYPE 	NSAFBU-07HRDNX-Q	●	●	●	●	●	●	●
	NSAFBU-09HRDNX-Q	●	●	●	●	●	●	●
	NSAFBU-12HRDNX-Q	●	●	●	●	●	●	●
	NSAFBU-18HRFNX-Q			●	●	●	●	●
	NSAFDU-24HRFNX-Q					●	●	●
CASSETTE TYPE 	NCA3U-09HRFNX-Q	●	●	●	●	●	●	●
	NCA3U-12HRFNX-Q	●	●	●	●	●	●	●
	NCA3U-18HRFNX-Q			●	●	●	●	●
DUCT TYPE 	NTIU-12HWFNX-Q	●	●	●	●	●	●	●

*The distributor of this catalogue is not responsible for typing or technical errors.

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