

next

CLOSE CONTROL AIR CONDITIONERS WITH REMOTE AIR COOLED CONDENSER
OR BUILT-IN WATER COOLED CONDENSER

6,4 ÷ 108 kW



close control air conditioners with remote air cooled condenser or built-in water cooled condenser



VERSIONS:

DX (R410A) - Plug Fan
 Cooling capacity 6,4 ÷ 97,4 kW
 Direct expansion air conditioner in Under and Over versions, for remote air cooled condenser matching.

DW (R410A) - Plug Fan
 Cooling capacity 6,9 ÷ 108,0 kW
 Direct expansion air conditioner in Under and Over versions, with built-in water cooled condenser.

GENERAL FEATURES

The **NEXT** series air conditioners are the best answer to the need of a precise control of the thermo-hygrometric and air purity conditions in the modern and sophisticated Hi-Tech installations granting the optimal environment for electronic equipment to work in and operators wealth.

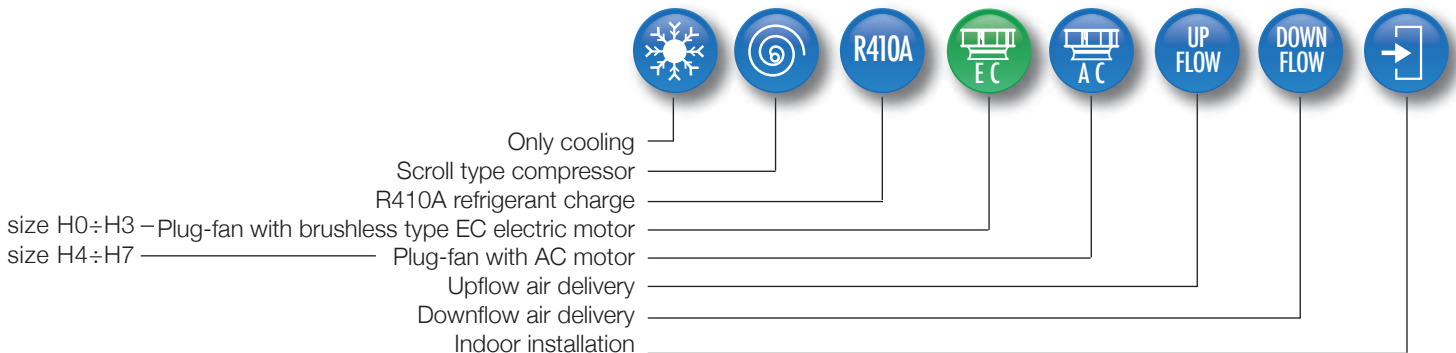
Computer rooms, telephone exchanges, internet hotels, museums, shopping centres are just some of the typical applications of **NEXT** units, whose efficiency, silentness and versatility features are appreciated by the most qualified users worldwide.

HIGH DENSITY

The layout optimization of components and accessories makes **NEXT** air conditioners able to grant a high cooling density for those situations where the space organization is a key-factor.



NEXT is equipped with Plug-fan



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NEXT air conditioners are available in Over and Under version.

Up-flow air delivery (Over)

The air distribution is from the top of the unit directly in to the room.

The air flow in each area is predetermined during the design stage and it is not dependent on the actual state of the load to be dissipated. The system is normally applied in Comfort plants and in those plants having a defined low/medium room thermal loads density.

Down-flow air delivery (Under)

The air distribution is from the bottom by means of the plenum between the building floor and the raised floor.

This solution is usually applied in Hi-Tech room air conditioning and it is most favourable when load is uniformly distributed in all areas of the room.

MAIN COMPONENTS

- Base and housing in epoxy painted aluminium profile frame and panels in galvanized steel sheet externally coated with PVC film.
- Plug fans
- Scroll compressor
- Refrigerant circuit: single or double DC
- Electrical box in separate compartment
- Main switch with door lock safety
- MP.COM microprocessor control



MAIN OPTIONAL ACCESSORIES

- Serial port
- Remote air cooled condenser (DX)
- EC fans (electronically commutate)
- Electric or hot water heating system
- Humidification and dehumidification system
- Compressor capacity control
- Free-cooling system (DW)
- Plenum on air suction for direct free-cooling system
- Extra-circuit system
- Hot gas re-heating system
- Plenum on air delivery
- High efficiency filters F5/F6/F7/F9
- Compressor cap for noise reduction



next over

next

close control air conditioners with remote air cooled condenser
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TECHNICAL DATA AND NOMINAL PERFORMANCES

NEXT DX under/over - Plug fans

MODEL		006	008	010	007	009	011	013	014	015	017	019	021	023	025	029
		P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S
Size		H0	H0	H0	H1	H1	H1	H1	H2	H2	H2	H3	H3	H3	H4	H4
Cooling capacity (1)	kW	6,4	7,4	8,8	7,1	8,2	9,7	10,8	11,7	14,0	16,4	17,4	19,0	21,7	24,5	27,7
EER (1)		3,10	3,05	2,88	3,34	3,11	3,17	3,03	3,13	3,08	3,16	3,27	3,00	3,20	3,02	3,12
Air flow	m ³ /h	1580	1800	2000	2273	2653	2653	2653	3955	3955	3955	5460	5460	5460	7160	7440
Compressors	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Weight																
Over	kg	160	160	160	186	189	190	191	244	246	247	303	306	307	421	421
Under	kg	160	160	160	192	196	197	198	254	256	258	314	317	318	441	441
Sound pressure (2)																
Over	dB(A)	50,7	52,5	54,6	49,7	50,6	51,9	51,9	53,9	53,9	55,5	55,7	58,4	56,3	58,1	60,7
Under	dB(A)	50,7	50,7	50,7	40,4	42,6	42,6	43,1	47,1	47,1	47,6	48,0	49,0	48,2	51,6	53,3

MODEL		033	038	040	045	049	026	028	032	032	036	036	042	042	048	048
		P1 S	P1 S	P1 S	P1 S	P1 S	P2 DC	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC
Size		H4	H5	H5	H5	H5	H5	H5	H5	H5	H5	H5	H6	H6	H6	H6
Cooling capacity (1)	kW	32,8	34,5	37,1	40,9	47,4	22,9	29,7	32,9	32,3	38,2	37,6	40,5	39,8	44,8	45,9
EER (1)		3,26	3,15	3,01	3,04	3,01	2,97	2,87	2,93	2,79	2,91	2,80	3,11	2,97	3,00	3,21
Air flow	m ³ /h	7440	10440	10440	10440	10440	7110	10440	10440	10440	10440	10440	11310	11310	11310	11310
Compressors	n.	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Weight																
Over	kg	422	476	476	476	484	455	457	457	457	460	460	563	563	565	565
Under	kg	442	492	492	492	500	471	473	473	473	476	476	589	589	591	591
Sound pressure (2)																
Over	dB(A)	60,7	62,6	62,9	63,2	63,5	57,7	62,6	62,6	62,6	64,0	64,0	61,3	61,3	59,0	59,0
Under	dB(A)	53,3	57,0	57,1	57,2	57,8	51,8	57,0	57,2	57,2	57,8	57,8	53,0	53,0	51,5	51,5

MODEL		052	052	060	060	064	064	072	072	082	082	092	092	100	100
		P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC
Size		H6	H6	H6	H6	H6	H6	H7	H7	H7	H7	H7	H7	H7	H7
Cooling capacity (1)	kW	49,3	49,6	56,7	56,8	58,8	58,9	70,6	70,1	77,8	79,2	86,1	86,2	98,3	97,4
EER (1)		3,05	3,09	3,17	3,19	3,26	3,29	3,37	3,33	3,17	3,23	3,22	3,17	3,15	3,08
Air flow	m ³ /h	13480	13480	14500	14500	16000	16000	17610	17610	20870	20870	22040	22040	22040	22040
Compressors	n.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Weight															
Over	kg	668	668	668	668	683	683	770	770	776	776	783	783	812	812
Under	kg	694	694	694	694	709	709	803	803	810	810	816	816	845	845
Sound pressure (2)															
Over	dB(A)	60,3	60,3	62,2	62,2	63,8	63,8	62,5	62,5	65,9	65,9	67,5	67,5	67,7	67,7
Under	dB(A)	53,9	53,9	57,3	57,3	58,0	58,0	56,1	56,1	60,3	60,3	62,0	62,0	62,1	62,1

Fans power input to be added to the room load.

S = Unit with single refrigerant circuit / DC = Unit with double refrigerant circuit

Size H0 / H1 / H2 / H3 = the units are equipped as standard with plug-fan with brushless type EC electric motor

(1) Gross value - Referred to entering air at 24°C with 50%RH and air to the condenser at 35°C

(2) Sound pressure 1m far in free field according to ISO3744 norm.

POWER SUPPLY: 400/3/50+N

230/1/50 model 006 P1 H0



AIR COOLED CONDENSER

The DX series is planned for the matching to the TEAM MATE condenser series.

close control air conditioners with remote air cooled condenser
or built-in water cooled condenser

TECHNICAL DATA AND NOMINAL PERFORMANCES

NEXT DW under/over - Plug fans

MODEL		006	008	010	007	009	011	013	014	015	017	019	021	023	025	029
		P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S	P1 S
Size		H0	H0	H0	H1	H1	H1	H1	H2	H2	H2	H3	H3	H3	H4	H4
Cooling capacity (1)	kW	6,9	8,2	9,9	7,6	9,0	10,6	12,0	13,1	15,8	18,4	18,4	20,1	22,4	26,1	29,3
EER (1)		4,49	4,60	4,49	4,89	4,65	4,57	4,56	4,85	4,77	4,83	4,30	3,90	3,82	3,90	3,88
Air flow	m³/h	1580	1800	2000	2273	2653	2653	2653	3955	3955	3955	5460	5460	5460	7160	7440
Compressors	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Weight																
Over	kg	161	161	161	187	190	191	192	245	247	248	304	307	308	422	422
Under	kg	161	161	161	193	197	198	199	255	257	259	315	318	319	442	450
Sound pressure (2)																
Over	dB(A)	50,7	52,5	54,6	49,7	50,6	51,9	51,9	53,9	53,9	55,5	55,7	58,4	56,3	58,1	60,7
Under	dB(A)	50,7	50,7	50,7	40,4	42,6	42,6	43,1	47,1	47,1	47,6	48,0	49,0	48,2	51,6	53,3

MODEL		033	038	040	045	049	026	028	032	032	036	036	042	042	048	048
		P1 S	P1 S	P1 S	P1 S	P1 S	P2 DC	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC
Size		H4	H5	H5	H5	H5	H5	H5	H5	H5	H5	H5	H6	H6	H6	H6
Cooling capacity (1)	kW	34,0	37,7	41,4	45,1	52,5	25,7	32,7	35,7	35,7	41,6	41,7	44,7	44,9	50,0	50,2
EER (1)		3,91	4,41	4,39	4,31	4,31	4,52	4,14	4,00	4,01	4,05	4,07	4,48	4,54	4,47	4,52
Air flow	m³/h	7440	10440	10440	10440	10440	7110	10440	10440	10440	10440	10440	11310	11310	11310	11310
Compressors	n.	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Weight																
Over	kg	423	478	478	478	486	456	458	458	458	461	461	565	565	567	567
Under	kg	443	494	494	494	502	472	474	474	474	477	477	591	591	593	593
Sound pressure (2)																
Over	dB(A)	60,7	62,6	62,9	63,2	63,5	57,7	62,6	62,6	62,6	64,0	64,0	61,3	61,3	59,0	59,0
Under	dB(A)	53,3	57,0	57,1	57,2	57,8	51,8	57,0	57,2	57,2	57,8	57,8	53,0	53,0	51,5	51,5

MODEL		052	052	060	060	064	064	072	072	082	082	092	092	100	100
		P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC	P2 S	P2 DC
Size		H6	H6	H6	H6	H6	H6	H7	H7	H7	H7	H7	H7	H7	H7
Cooling capacity (1)	kW	54,7	55,0	62,6	62,7	65,0	65,2	76,6	76,8	86,9	87,3	95,9	96,1	108,0	108,0
EER (1)		4,31	4,37	4,50	4,50	4,63	4,68	4,62	4,66	4,55	4,62	4,56	4,57	4,38	4,40
Air flow	m³/h	13480	13480	14500	14500	16000	16000	17610	17610	20870	20870	22040	22040	22040	22040
Compressors	n.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Weight															
Over	kg	670	670	670	670	685	685	772	772	778	779	786	786	815	815
Under	kg	696	696	696	696	711	711	805	805	812	813	819	819	848	848
Sound pressure (2)															
Over	dB(A)	60,3	60,3	62,2	62,2	63,8	63,8	62,5	62,5	65,9	65,9	67,5	67,5	67,7	67,7
Under	dB(A)	53,9	53,9	57,3	57,3	58,0	58,0	56,1	56,1	60,3	60,3	62,0	62,0	62,1	62,1

Fans power input to be added to the room load.

S = Unit with single refrigerant circuit / DC = Unit with double refrigerant circuit

Size H0 / H1 / H2 / H3 = the units are equipped as standard with plug-fan with brushless type EC electric motor

(1) Gross value - Referred to entering air at 24°C with 50%RH and water to the condenser 30/36°C

(2) Sound pressure 1m far in free field according to ISO3744 norm.

POWER SUPPLY: 400/3/50+N

230/1/50 model 006 P1 H0

close control air conditioners with remote air cooled condenser
or built-in water cooled condenser

DIMENSIONS (mm)

Size	a	b	c
H0	655	420	1.680
H1	650	650	1.925
H2	785	650	1.925
H3	1.085	750	1.925
H4	1.320	860	1.980
H5	1.620	860	1.980
H6	2.155	860	1.980
H6L	2.155	930	1.980
H7	2.690	860	1.980
H7L	2.690	930	1.980
H8	3.225	860	1.980
H8L	3.225	930	1.980

