

NEXT DL: Close control air conditioners with displacement air delivery with remote condenser, or built in water cooled condenser or for chilled water feeding
Cooling capacity: 7,7 ÷ 51,4 kW



rcgroupairconditioning



MAIN FEATURES

- Precision air conditioner.
- Displacement air delivery (DL).
- 35 models available, 3 versions for a wide selection opportunity.
- Available in three versions: for matching with remote air cooled condenser (DX), with built-in water cooled condenser (DW), for chilled water feeding (CW).
- EC plug fans.
- Suitable for indoor installation
- DX Version:
 - EER up to 3,74.
 - On/off scroll compressors
 - Single refrigerant circuit.
 - R410A refrigerant charge.
- DW Version:
 - EER up to 5,25.
 - On/off scroll compressors
 - Single refrigerant circuit.
 - R410A refrigerant charge.
 - Built in water cooled condenser
- CW Version:
 - Chilled water feeding
 - Two way chilled water valve

MAIN BENEFITS

- Wide selection opportunity.
- High EER
- High efficiency at partial load.
- Availability of electric heater.
- Availability of steam humidifier.
- Complete set of optional accessories: filters, plenum, panels, stand.

- Easily of maintenance.

INDOOR INSTALLATION

The machines are designed for indoor installation.

WORKING LIMITS

Room air temperature:

- 14°C minimum temperature with wet bulb.
- 24°C maximum temperature with wet bulb.
- 35°C maximum temperature with dry bulb.

Room air humidity:

- 20%RH minimum relative humidity.
- 75%RH maximum relative humidity.

Water cooled condenser:

- Water temperature:
- 30/50°C Outlet temperature range.



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1 9 6 3 2 0 1 3
fifty cool years

NEXT DX DL / NEXT DW DL MAIN COMPONENTS

FRAMEWORK

- Base in aluminium extrusion, painted with epoxy powders.
- Inner frame and upper frame in aluminium profile, painted with epoxy powders. The inner frame is provided with seals to ensure air tight with the panels.
- Galvanized steel sheet panels externally coated with PVC film and internally insulated with noise absorption material.
The panels are fixed to the frame with non visible mounting system.
- Electric board in separate technical compartment on the machine front.
- Colour: RAL 9005 for base and frame
Similar to RAL7015 for panels, with hammered finish
- Air intake from the top and air delivery from the front (displacement).

COMPRESSORS

- Orbiting spiral (SCROLL) hermetic compressors with spiral profile optimized for R410A refrigerant.
- ON / OFF capacity control (0 / 100% each compressor).
- 2-pole 3-phase electric motor with direct on line starting.
- Crankcase heater.
- Electric motor thermal protection via internal winding temperature sensors.
- Terminal box with IP54 enclosure class.
- Rubber supports.

FILTER SECTION

- Washable air filters with G4 efficiency, with cells in synthetic fibre and metallic frame (EN 779-2002).

EVAPORATING SECTION

- Heat exchanger coil with internally corrugated copper tubes and high efficiency aluminium fins, specifically developed to provide high heat transfer and lower pressure drops.
- Single refrigerant circuit.
- Frame in galvanized steel.
- Condensate tray in peraluman with PVC flexible discharge pipe.

FANS SECTION

- Centrifugal fans with backward curved blades, single suction and without scroll housings (Plug-fans), directly coupled to external rotor electric motor.
- Brushless type synchronous EC motor with integrated electronic commutated system and continuous variation of the rotation speed.
The motor rotation control is obtained with the EC system (Electronic Commutation) that manage the motor according to the 0÷10V proportional signal coming from the microprocessor control.
- Temperature sensors on air intake.
- Temperature sensor on air delivery.

REFRIGERANT CIRCUIT

- Thermostatic expansion valve.
- Sight glass.
- Filter dryer on liquid line.
- Pressure transducers with indication, control and protection functions, on low and high refrigerant pressure.
- High pressure safety switch with manual reset.
- Liquid receiver with accessories.
- Refrigerant circuit with copper tubing with anticondensate insulation of the suction line.
- Plastic capillary hoses for pressure sensors connection.
- R410A refrigerant charge.

NEXT DX DL:

- Valves on gas delivery and liquid return for coupling to remote air cooled condenser.
- 0÷10V proportional signal to manage the condensing control system of the remote air cooled condenser.

NEXT DW DL:

- Copper brazed plate type with cover plates, plates and connections in AISI 316 stainless steel.
- 0÷10V proportional signal to manage the condensing control system of the 2-way motorized valve.

ELECTRICAL PANEL

In accordance with EN60204-1 norms complete with:

- Main switch with door lock safety.
- Magnetothermic switch for each compressor.
- Magnetothermic switches for fans.
- Contactors for each load.

The supply fans equipped with EC electric motor are not supplied with contactors.

- Transformer for auxiliary circuit and microprocessor supply.
- Panel with machine controls.
- Power supply 400/3/50+N

CONTROL SYSTEM

- MP.COM microprocessor system with graphic display for control and

monitor of operating and alarms status. The system includes:

- Voltage free contact for remote general alarm.
- Main components hour-meter.
- Nonvolatile "Flash" memory for data storage.
- Menu with protection password.
- LAN connection.

TO BE MATCHED WITH REMOTE CONDENSER

The NEXT DX DL are designed to be matched with remote condensers with axial fans (TEAM MATE series) or plug-fans (TEAM MATE PF series).



TEAM MATE

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TEAM MATE PF

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NEXT CW DL MAIN COMPONENTS

FRAMEWORK

- Base in aluminium extrusion, painted with epoxy powders.
- Inner frame and upper frame in aluminium profile, painted with epoxy powders. The inner frame is provided with seals to ensure air tight with the panels.
- Galvanized steel sheet panels externally coated with PVC film and internally insulated with noise absorption material.
The panels are fixed to the frame with non visible mounting system.
- Electric board in separate technical compartment on the machine front.
- Colour: RAL 9005 for base and frame
Similar to RAL7015 for panels, with hammered finish
- Air intake from the top and air delivery from the front (displacement).

FILTER SECTION

- Washable air filters with G4 efficiency, with cells in synthetic fibre and metallic frame (EN 779-2002).

COOLING SECTION

- Heat exchanger coil with internally corrugated copper tubes and high efficiency aluminium fins, specifically developed to provide high heat transfer and lower pressure drops.
- 3-way motorized valve for water flow regulation and emergency manual control.
- Frame in galvanized steel.
- Condensate tray in peraluman with PVC flexible discharge pipe.

FANS SECTION

- Centrifugal fans with backward curved blades, single suction and without scroll housings (Plug-fans), directly coupled to external rotor electric motor.
- Brushless type synchronous EC motor with integrated electronic commutated system and continuous variation of the rotation speed.
The motor rotation control is obtained with the EC system (Electronic Commutation) that manage the motor according to the 0÷10V proportional signal coming from the microprocessor control.
- Temperature sensors on air intake.
- Temperature sensor on air delivery.

ELECTRICAL PANEL

In accordance with EN60204-1 norms complete with:

- Main switch with door lock safety.
- Magnetothermic switches for fans.
Contactors for each load. The supply fans equipped with EC electric motor are not supplied with contactors.
- Transformer for auxiliary circuit and microprocessor supply.
- Panel with machine controls.
- Power supply 400/3/50+N

CONTROL SYSTEM

• MP.COM microprocessor system with graphic display for control and monitor of operating and alarms status. The system includes:

- Voltage free contact for remote general alarm.
- Main components hour-meter.
- Nonvolatile "Flash" memory for data storage.
- Menu with protection password.
- LAN connection.

COMMON OPTIONAL ACCESSORIES

MODEL	008 P1	009 P1	011 P1	012 P1	016 P1	018 P1	020 P1	021 P1	023 P1	026 P1	029 P1	034 P1	037 P1	043 P1	046 P1
SIZE	H1	H1	H1	H1	H2	H2	H2	H3	H3	H3	H3	H3S	H3S	H3L	H3L
220 - Electronic expansion valve	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
260 - Liquid solenoid valve	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
321 - Steam humidifier	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
310 - Electric heater	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
606 - Compr. power factor capacitor - 0,9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
865 - Phase control relay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
610 - Noise deadening cup on compressor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
215 - Disposal F5 efficiency air filter	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
810 - Floor stand Hmax=350 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
811 - Floor stand Hmax=450 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
812 - Floor stand Hmax=510 mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
849 - Condensate discharge system	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
808 - Sandwich panels	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
909 - Clogged filters alarm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
912 - Air flow loss alarm EC Fan	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
911 - Water presence alarm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
913 - Additional water sensor (kit)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
904 - Temperature/Humidity sensor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
945 - Air return plenum with Free Cooling damper	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
939 - Fresh air kit	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
919 - Clock card	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
923 - RC-Com MBUS/JBUS Serial board	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
926 - LON Serial board	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
931 - BACnet Ethernet - SNMP - TCP/IP Serial board	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
932 - BACnet MS/TP Serial board	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
942 - Serial card for GSM Modem	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
943 - Data Logger	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
962 - Kit modem GSM	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
957 - Plantwatch without modem	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
930 - Remote graphic terminal kit	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

OPTIONAL ACCESSORIES - NEXT DX DL

NEXT DX DL	008 P1	009 P1	011 P1	012 P1	016 P1	018 P1	020 P1	021 P1	023 P1	026 P1	029 P1	034 P1	037 P1	043 P1	046 P1
SIZE	H1	H1	H1	H1	H2	H2	H2	H3	H3	H3	H3	H3S	H3S	H3L	H3L
TEAM MATE remote condenser	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TEAM MATE PF remote condenser	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
213 - Team Mate electrical power supply by internal unit	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

OPTIONAL ACCESSORIES - NEXT DW DL

NEXT DW DL	008 P1	009 P1	011 P1	012 P1	016 P1	018 P1	020 P1	021 P1	023 P1	026 P1	029 P1	034 P1	037 P1	043 P1	046 P1
SIZE	H1	H1	H1	H1	H2	H2	H2	H3	H3	H3	H3	H3S	H3S	H3L	H3L
512 - Water regulating valve	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

OPTIONAL ACCESSORIES - NEXT CW DL

NEXT CW DL	014	020	028	036	049
SIZE	H1	H2	H3	H3S	H3L
321 - Steam humidifier	•	•	•	•	•
310 - Electric heater	•	•	•	•	•
215 - Disposal F5 efficiency air filter	•	•	•	•	•
810 - Floor stand Hmax=350 mm	•	•	•	•	•
811 - Floor stand Hmax=450 mm	•	•	•	•	•
812 - Floor stand Hmax=510 mm	•	•	•	•	•
849 - Condensate discharge system	•	•	•	•	•
808 - Sandwich panels	•	•	•	•	•
909 - Clogged filters alarm	•	•	•	•	•
912 - Air flow loss alarm EC Fan	•	•	•	•	•
911 - Water presence alarm	•	•	•	•	•
913 - Additional water sensor (kit)	•	•	•	•	•
903 - IN/OUT chilled water temp. Indication	•	•	•	•	•
904 - Temperature/Humidity sensor	•	•	•	•	•
945 - Air return plenum with Free Cooling damper	•	•	•	•	•
939 - Fresh air kit	•	•	•	•	•
919 - Clock card	•	•	•	•	•
923 - RC-Com MBUS/JBUS Serial board	•	•	•	•	•
926 - LON Serial board	•	•	•	•	•
931 - BACnet Ethernet - SNMP - TCP/IP Serial board	•	•	•	•	•
932 - BACnet MS/TP Serial board	•	•	•	•	•
942 - Serial card for GSM Modem	•	•	•	•	•
943 - Data Logger	•	•	•	•	•
962 - Kit modem GSM	•	•	•	•	•
957 - Plantwatch without modem	•	•	•	•	•
930 - Remote graphic terminal kit	•	•	•	•	•

• available accessory; - not available accessory

TECHNICAL DATA - NEXT DX DL

MODEL		008 P1	009 P1	011 P1	012 P1	016 P1	018 P1	020 P1	021 P1	023 P1	026 P1
SIZE		S H1	S H1	S H1	S H1	S H2	S H2	S H2	S H3	S H3	S H3
COOLING CAPACITY (1)											
Total	kW	7,7	9,0	10,5	11,5	15,4	17,0	19,2	21,2	23,2	25,2
Sensible	kW	7,4	8,6	10,0	10,6	14,7	15,6	17,0	20,2	21,9	22,9
SHR	kW/kW	0,95	0,96	0,95	0,92	0,95	0,92	0,89	0,95	0,94	0,91
Unit power input (*)	kW	2,1	2,6	3,0	3,5	4,5	5,0	6,0	5,8	6,7	7,3
Supply fans	n.	1	1	1	1	1	1	1	1	1	1
Air flow	m³/h	2150	2500	2500	2500	3700	3700	3700	5100	5100	5100
Compressors		scroll									
Quantity	n.	1	1	1	1	1	1	1	1	1	1
Capacity steps	n.	1	1	1	1	1	1	1	1	1	1
Air filters	n.	1	1	1	1	1	1	1	2	2	2
Efficiency		G4									
Refrigerant		R410A									
Refrigerant charge (2)	kg	2,6	2,6	2,7	2,7	2,9	3,0	3,2	3,5	3,5	4,0
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1
Power supply (**)		400/3/50+N									
Max operating current (FLA) (*)	A	8,1	9,4	10,4	11,4	13,7	16,3	19,5	21,8	21,8	22,8
Unit starting current (LRA)	A	31,4	41,4	49,4	46,4	54,9	68,5	79,5	81,8	107,8	101,8
Energy efficiency indexes (1)											
EER (*)	kW/kW	3,74	3,50	3,50	3,28	3,46	3,41	3,19	3,64	3,48	3,45
Sound pressure level - ISO 3744 (3)											
On air intake	dB(A)	49,0	52,0	52,0	52,0	54,0	54,0	54,0	55,0	55,0	55,0
On front side	dB(A)	54,0	58,0	58,0	58,0	60,0	60,0	60,0	60,0	60,0	60,0
Net weight	kg	187	191	192	193	246	248	252	302	303	307
Remote condenser (4)	n.	1	1	1	1	1	1	1	1	1	1
TEAM MATE	Mod.	M 11	M 11	M 14	M 14	M 20	M 25	M 25	M 30	M 30	M 30
Refrigerant connections											
Gas delivery	ODS Ø	12	12	12	12	18	18	18	18	18	22
Liquid return	ODS Ø	12	12	12	12	12	12	16	16	16	16

MODEL		029 P1	034 P1	037 P1	043 P1	046 P1
SIZE		S H3	S H3S	S H3S	S H3L	S H3L
COOLING CAPACITY (1)						
Total	kW	28,3	34,4	37,0	40,8	43,8
Sensible	kW	24,3	30,9	32,0	39,0	40,5
SHR	kW/kW	0,86	0,90	0,86	0,96	0,92
Unit power input (*)	kW	8,0	9,4	10,8	11,0	12,3
Supply fans	n.	1	2	2	2	2
Air flow	m³/h	5100	7000	7000	9500	9500
Compressors		scroll	scroll	scroll	scroll	scroll
Quantity	n.	1	1	1	1	1
Capacity steps	n.	1	1	1	1	1
Air filters	n.	2	2	2	2	2
Efficiency		G4	G4	G4	G4	G4
Refrigerant		R410A	R410A	R410A	R410A	R410A
Refrigerant charge (2)	kg	4,1	4,4	4,4	7,2	7,2
Gas circuits	n.	1	1	1	1	1
Power supply (**)		400/3/50+N	400/3/50+N	400/3/50+N	400/3/50+N	400/3/50+N
Max operating current (FLA) (*)	A	27,8	28,8	31,8	38,5	44,5
Unit starting current (LRA)	A	117,8	124,8	124,8	131,5	153,5
Energy efficiency indexes (1)						
EER (*)	kW/kW	3,52	3,65	3,43	3,71	3,55
Sound pressure level - ISO 3744 (3)						
On air intake	dB(A)	55,0	56,0	56,0	56,0	56,0
On front side	dB(A)	60,0	62,0	62,0	62,0	62,0
Net weight	kg	311	364	364	440	445
Remote condenser (4)	n.	1	1	1	1	1
TEAM MATE	Mod.	M 35	M 45	M 45	M 50	M 50
Refrigerant connections						
Gas delivery	ODS Ø	22	22	28	28	28
Liquid return	ODS Ø	16	18	18	18	18

THE COOLING CAPACITY DOES NOT CONSIDER THE SUPPLY FAN MOTOR THERMAL LOAD

1. Characteristics referred to entering air at 28°C-40%RH; 35°C ambient temperature.
2. Unit refrigerant charge. Remote condenser, connections pipes and optional are excluded.
3. Noise level at 1 meter in free field (external static pressure 50 Pa)
4. For matching to other remote air cooled condensers please refer to RC WORLD selection program

(*) The value includes the remote condenser as shown in the table.

(**) The remote condenser has separated power supply

TECHNICAL DATA - OPTIONAL ACCESSORIES - NEXT DX DL

NEXT DX DL		008 P1	009 P1	011 P1	012 P1	016 P1	018 P1	020 P1	021 P1	023 P1	026 P1	029 P1	034 P1	037 P1	043 P1	046 P1
SIZE		S H1	S H1	S H1	S H1	S H2	S H2	S H2	S H3	S H3	S H3	S H3	S H3S	S H3S	S H3L	S H3L
Electric heater																
Capacity	kW	5,1	5,1	5,1	5,1	5,1	5,1	5,1	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Capacity steps	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Humidifier																
Steam capacity	kg/h	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Power input	kW	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3

TECHNICAL DATA - NEXT DW DL

MODEL		008 P1	009 P1	011 P1	012 P1	016 P1	018 P1	020 P1	021 P1	023 P1	026 P1
SIZE		S H1	S H1	S H1	S H1	S H2	S H2	S H2	S H3	S H3	S H3
COOLING CAPACITY (1)											
Total	kW	8,4	9,9	12,0	13,6	17,4	18,1	21,7	22,5	24,1	29,7
Sensible	kW	7,3	8,5	9,2	9,8	14,7	14,0	15,4	18,1	19,6	21,2
SHR	kW/kW	0,87	0,85	0,77	0,72	0,84	0,77	0,71	0,80	0,81	0,71
Unit power input	kW	1,6	2,0	2,5	2,8	4,1	4,4	5,3	5,5	5,5	6,0
Condenser water flow rate	m ³ /h	1,4	1,7	2,0	2,3	3,0	3,1	3,8	3,9	4,2	5,0
Condenser pressure drop	kPa	17	23	20	25	7	8	11	11	40	15
Supply fans	n.	1	1	1	1	1	1	1	1	1	1
Air flow	m ³ /h	2150	2500	2500	2500	3700	3700	3700	5100	5100	5100
Compressors	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll
Quantity	n.	1	1	1	1	1	1	1	1	1	1
Capacity steps	n.	1	1	1	1	1	1	1	1	1	1
Air filters	n.	1	1	1	1	1	1	1	2	2	2
Efficiency	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4	G4
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge (2)	kg	2,8	2,8	2,9	2,9	3,8	3,8	4,1	4,4	4,8	5,3
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1
Power supply		400/3/50+N									
Max operating current (FLA)	A	6,9	8,2	9,2	10,2	11,9	13,4	16,6	18,9	18,9	19,9
Unit starting current (LRA)	A	30,2	40,2	48,2	45,2	53,1	65,6	76,6	78,9	104,9	98,9
Energy efficiency indexes (1)											
EER	kW/kW	5,64	5,46	5,38	5,35	4,72	4,57	4,46	4,49	4,78	5,46
Sound pressure level - ISO 3744 (3)											
On air intake	dB(A)	49,0	52,0	52,0	52,0	54,0	54,0	54,0	55,0	55,0	55,0
On front side	dB(A)	54,0	58,0	58,0	58,0	60,0	60,0	60,0	60,0	60,0	60,0
Net weight	kg	206	211	213	216	261	265	272	324	324	333
Hydraulic connections											
Condenser water inlet/outlet	Ø	1"	1"	1"	1"	1" 1/2	1" 1/2	1" 1/2	1" 1/2	1" 1/2	1" 1/2

MODEL		029 P1	034 P1	037 P1	043 P1	046 P1
SIZE		S H3	S H3S	S H3S	S H3L	S H3L
COOLING CAPACITY (1)						
Total	kW	31,0	40,2	43,9	47,2	51,4
Sensible	kW	22,3	28,5	29,9	35,7	37,3
SHR	kW/kW	0,72	0,71	0,68	0,76	0,73
Unit power input	kW	6,8	7,7	8,6	9,0	10,1
Condenser water flow rate	m ³ /h	5,3	6,7	7,4	7,9	8,6
Condenser pressure drop	kPa	6	11	13	14	17
Supply fans	n.	1	2	2	2	2
Air flow	m ³ /h	5100	7000	7000	9500	9500
Compressors	scroll	scroll	scroll	scroll	scroll	scroll
Quantity	n.	1	1	1	1	1
Capacity steps	n.	1	1	1	1	1
Air filters	n.	2	2	2	2	2
Efficiency	G4	G4	G4	G4	G4	G4
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge (2)	kg	5,8	6,6	6,6	9,4	9,4
Gas circuits	n.	1	1	1	1	1
Power supply		400/3/50+N	400/3/50+N	400/3/50+N	400/3/50+N	400/3/50+N
Max operating current (FLA)	A	24,9	25,2	28,2	32,8	38,8
Unit starting current (LRA)	A	114,9	121,2	121,2	125,8	147,8
Energy efficiency indexes (1)						
EER	kW/kW	4,91	5,76	5,59	5,81	5,58
Sound pressure level - ISO 3744 (3)						
On air intake	dB(A)	55,0	56,0	56,0	56,0	56,0
On front side	dB(A)	60,0	62,0	62,0	62,0	62,0
Net weight	kg	337	396	396	480	485
Hydraulic connections						
Condenser water inlet/outlet	Ø	1" 1/2	2"	2"	2"	2"

THE COOLING CAPACITY DOES NOT CONSIDER THE SUPPLY FAN MOTOR THERMAL LOAD

1. Characteristics referred to entering air at 28°C-50%RH; water to the condenser 30-36°C
2. Unit refrigerant charge optional excluded.
3. Noise level at 1 meter in free field (external static pressure 50 Pa)

TECHNICAL DATA - OPTIONAL ACCESSORIES - NEXT DW DL

NEXT DW DL		008 P1	009 P1	011 P1	012 P1	016 P1	018 P1	020 P1	021 P1	023 P1	026 P1	029 P1	034 P1	037 P1	043 P1	046 P1
SIZE		S H1	S H1	S H1	S H1	S H2	S H2	S H2	S H3	S H3	S H3	S H3	S H3S	S H3S	S H3L	S H3L
Electric heater																
Capacity	kW	5,1	5,1	5,1	5,1	5,1	5,1	5,1	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Capacity steps	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Humidifier																
Steam capacity	kg/h	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Power input	kW	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3

TECHNICAL DATA - NEXT CW DL

MODEL SIZE		014 H1	020 H2	028 H3	036 H3S	049 H3L
COOLING CAPACITY (1)						
Total	kW	14,1	19,9	29,2	36,8	49,2
Sensible	kW	13,4	19,2	27,9	35,4	47,6
SHR	kW/kW	0,95	0,96	0,96	0,96	0,97
Unit power input	kW	0,2	0,29	0,42	0,57	0,77
Supply fans	n.	1	1	1	2	2
Air flow	m ³ /h	2500	3700	5100	7000	9500
Air filters	n.	1	1	2	2	2
Efficiency		G4	G4	G4	G4	G4
Power supply		400/3/50+N	400/3/50+N	400/3/50+N	400/3/50+N	400/3/50+N
Max operating current (FLA)	A	2,2	1,6	3,9	3,2	7,8
Sound level - ISO 3744 (2)						
On air intake	dB(A)	58,2	60,2	60,9	62,6	66,2
On front side	dB(A)	55,0	57,0	57,7	59,4	63,0
Net weight	kg	166	204	257	295	360
Connections						
Chilled water inlet/outlet	Ø	1"	1"	1" 1/4	1 1/2"	1 1/2"

THE COOLING CAPACITY DOES NOT CONSIDER THE SUPPLY FAN MOTOR THERMAL LOAD

1. Characteristics referred to entering air at 24°C-40%RH with chilled water temperature 7-12°C - 0% glycol.
2. Noise level at 1 meter in free field.

TECHNICAL DATA - OPTIONAL ACCESSORIES - NEXT CW DL

NEXT CW DL SIZE		014 H1	020 H2	028 H3	036 H3S	049 H3L
Electric heater						
Capacity	kW	5,1	5,1	6,0	6,0	6,0
Capacity steps	n.	1	1	1	1	1
Humidifier						
Steam capacity	kg/h	3	3	3	3	3
Power input	kW	2,3	2,3	2,3	2,3	2,3

NEXT DL DIMENSIONS (mm)

SIZE	a	b	c
H1	650	650	1925
H2	785	650	1925
H3	1085	750	1925
H3S	1295	750	1925
H3L	1620	750	1925

