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





THE MOST EFFICIENT AND RELIABLE SOLUTION FOR HIGH PRECISION AIR CONDITIONING IS

NEXT LEGACY

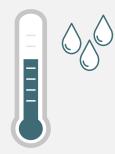
Engineered to the highest standards, NEXT LEGACY high precision air conditioners are key in most critical IT environments.



PRECISE TEMPERATURE AND HUMIDITY CONTROL

Complex IT environments are characterized by extremely variable thermal loads, which require very high cooling capacity at full load in order to not compromise the correct operation of the IT machines when they are most needed.

NEXT LEGACY range makes it possible to keep temperature and humidity constant even with very strong load variations, ensuring premium sensible cooling capacity values.



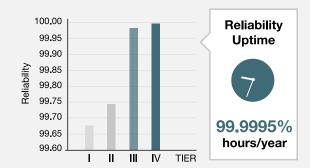
THE PERFECT MATCH BETWEEN EFFICIENCY AND RELIABILITY

Nowadays efficiency is no longer considered to be just saving energy in respect to the single unit, but it takes into account the system's performance, complete reliability and modularity over the years.

By offering NEXT LEGACY as a solution to technological cooling problems, the company has put great effort in the use of well-known high quality components:

- ► EC PUL (Polymeric ULtralight) plug fans made of composite material installed as standard in all units;
- ▶ Dual fluid systems to ensure total reliability under all conditions;

Extraordinary advantages in terms of energy savings are achieved thanks to the ultimate DC inverter compressors, with extraordinary advantages in terms of energy savings.



CUSTOMER-ORIENTED APPROACH

NEXT LEGACY range features 360° versatility, in terms of capacities (from 6 to 155 kW), as well as technologies applied to the units.

When even this is not enough, the 50-year experience of the RC IT Cooling brand is key to ensuring tailor-made solutions dedicated to specific application requirements.

3 Key technologies:

- Free Cooling: available as indirect free cooling, it ensures the total switch-off of the compressors when outdoor temperatures are below 5°C
- Inverter: Full DC inverter technology applied both to the compressor and EC face.
- Dual Fluid circuits: DF versions consisting of two independent cooling systems for the highest reliability



BEYOND TRADITIONAL OPERATING LIMITS

The need for higher efficiency levels and reduced TCO values have led to increasing temperatures (up to 27°C) of intake airflows directed to the IT equipment (ASHRAE, 'Thermal Guidelines for Data Processing Environments'), thus increasing supply air temperatures.

NEXT LEGACY range has been designed to manage air suction temperature up to 40°C. Available both as Dual Fluid (DF) and Free Cooling (FC) versions, NEXT air conditioners optimize the primary water circuit performance even with high temperature fluids.

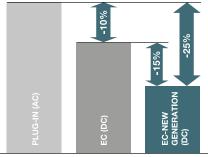
The chiller's efficiency and the free cooling operation are therefore

maximized also when outdoor temperatures are high.









Aimed at optimizing energy costs, NEXT LEGACY range makes use of EC PUL (Polymeric ULtralight) fans made of composite material. Premium energy efficiency levels are achieved by the accurate management of the fan parameters such as flow rate, power and pressure.

The result is the best system operation in any working conditions.

Main features:

- ▶ Noise level reduced by 4-5 dB(A) compared to traditional fans
- ▶ Power absorption reduced by 25% compared to traditional fans

EC FANS ON THE REMOTE CONDENSERS

The use of EC technology even on the remote condenser fan ensures a further average reduction of noise levels by 10%, together with a strong reduction of energy consumption by 45% compared to traditional condensers with AC technology.



ADVANCED CONTROL SYSTEM

i-NEXT LEGACY air conditioners features a new intelligent electronic heart to keep constant control over all the operating and environmental parameters of the site.

Designed and developed internally, the new control is highly configurable according to specific user requirements, ensuring:

- ▶ Automatic restart from blackout
- ▶ Integrated management system up to 10 units (LAN)
- ▶ ACTIVE REDUNDANCY management
- Full BMS compatibility (Ethernet, Bacnet, SNMP, Modbus, TCP/IP, LON)

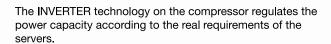


- ▶ BLACK BOX for predictive analysis
- ▶ DEW POINT control
- ▶ ADAPTIVE SET POINT management
- ▶ ACTIVE FREE COOLING management



THE UNBEATABLE EFFICIENCY OF THE TOTAL INVERTER TECHNOLOGY

DC INVERTER COMPRESSOR

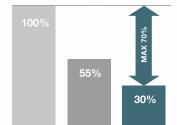


The unit performance at partial loads is optimized, rapidly increasing its efficiency and reducing its consumption. This complete compressor modulation allows the unit to follow the increasing cooling requests of the data center without damaging the overall unit efficiency.



Constant

In case of low hz operation



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AC Inverter I

DC Inverter

i-NEXT units adopts this technology as standard in all its models, with several benefits in terms of:

- Regulation of the power capacity according to the load requirements
- ✓ No in-rush starting current
- Energy savings of up to 50% compared to on/off units
- ✓ Reduced noise levels

EER UP TO 8,17

ELECTRONIC EXPANSION VALVE

The new generation i-NEXT air conditioners with electronic expansion valves. These valves ensure optimal operation of the refrigeration cycle in every environmental condition.

Main features:

- ▶ Great control and wider modulation capacity
- Quickly reaches and maintains operating stability
- ▶ Accurate adjustment to load variations



EEV



NEXT DF

THE DUAL FLUID VERSION FOR THE CUSTOMER PEACE OF MIND

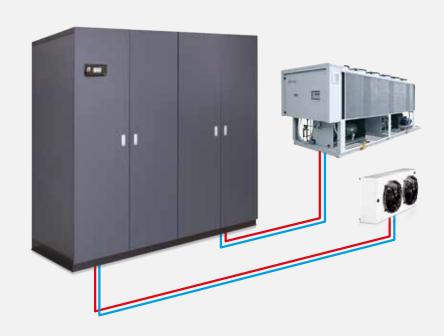
t-NEXT DF / i-NEXT DF Direct expansion air conditioners with chilled water coil

- ▶ t-NEXT DF DX / i-NEXT DF DX Direct Expansion, air cooled
- ▶ t-NEXT DF DW / i-NEXT DF DW Direct Expansion, water cooled

These units are provided as standard with two cooling circuits - one direct expansion type and the other chilled water type, which never work simultaneously.

Such circuits are connected to two different chiller lines completely independent of one another.

The Dual Fluid version is the perfect solution for those systems where reliability, safety and redundancy are at utmost importance.



MANAGEMENT AND CONTROL SYSTEMS

In a policy of 'total communication', NEXT LEGACY range features several interconnection solutions with the lates BMS systems.



Data Center Manager

Group device

DATA CENTER MANAGER is a centralized management system that ensures a smart communication between indoor chilled water units and the outdoor chillers.

The device manages the outdoor units according to the inlet and outlet temperature registered by the probes and by request of the indoor unit.

Main features:

- ✓ All-in-one solution for an easy installation
- Management of up to 8 units (with the same or different power ratings), on 2-pipe systems
- 8.4" touch-screen display
- Some units can be given priority
- Possibility of choosing the number of units on standby - dynamic standby
- Evenly distributes operating hours of each unit

NEXT FG

INDIRECT FREE COOLING TECHNOLOGY TO HARNESS THE FULL POTENTIAL OF OUTDOOR AIR

t-NEXT FC / i-NEXT FC Direct expansion air conditioners with chilled water coil

t-NEXT FC DW / i-NEXT FC DW Direct Expansion with free cooling technology, water cooled

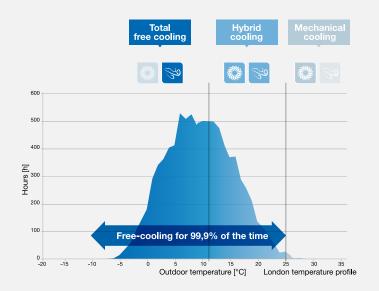
The indirect free cooling system consists of a smart combination between the total free cooling and the direct expansion working modes.

Total free cooling mode

When the ambient temperatures are below 5°C, the total cooling capacity is provided by the outdoor air in the free cooling coils while the compressors are off.

Hybrid free cooling

At ambient temperatures ranging from 5°C to 21°C, free cooling provides pre-cooling of the handled air. The compressors are activated to provide the cooling capacity necessary for the full balance of the room load.



ClimaPRO DCO



Chiller plant control and data center optimisation system

ClimaPRO DCO ensures perfect HVAC plant room control by managing each single component involved in the production and distribution of the thermal and cooling energy. According to the actual efficiency values of the units, this advanced management system optimally balances the unit loads, regulates the operating set-points and dynamically manages the water flow of the entire system. ClimaPRO DCO can be integrated to a BMS system or it can be completely independent.



Main features:

- → Acquisition of real-time data from the plant
- Measurement of energy indices for the units and the entire system
- Control and management of each single unit or at a plant room level
- Active Optimization based on real time data measurement
- Detailed energy reporting and customized analysis
- Chart building for trend analysis



COOLING MODES

360° flexibility as a service offered for any type of system



b-NEXT DX / t-NEXT DX / i-NEXT DX Air cooled direct expansion air conditioners

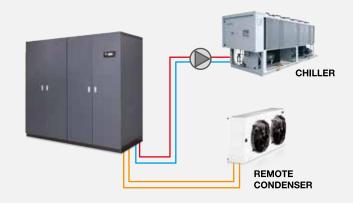
Direct expansion air conditioners to be coupled with a remote condenser. The air is treated in the evaporating coil and the condensed heat is released by means of an outdoor condenser. The condenser features a fan speed controller aimed at optimising the condensation pressure even with the most adverse climate conditions.



t-NEXT DF DX / i-NEXT DF DX Air cooled direct expansion air conditioners with Dual Fluid system

Air cooled direct expansion air conditioners with two cooling systems which are completely independent from each other.

A primary chilled water circuit connected to an outdoor chiller, is combined with a secondary direct expansion air cooled circuit.



AIRFLOW CONFIGURATIONS

OVER

The versions called OVER with air outflow from the top generally have the air intake at the front, rear or bottom of the unit, according to the customers' choice, and the outflow from the top is along ducts behind suspended ceilings or front delivery plenums.



Airflow: OVER, air discharged from the top, frontal air intake

Raised floor: absent Room Height < 3m



Airflow: OVER, air discharged from the top, air intake under the floor

Raised floor > 400 mm Room Height < 3m NEXT LEGACY comes with a full range of solutions ranging from 3 to 155 kW, available with over or under airflow configurations.



WATER COOLED

b-NEXT DW / t-NEXT DW / i-NEXT DW Water cooled direct expansion air conditioners

Direct expansion water cooled conditioners with built-in water cooled condenser. The air is treated in the evaporating coil and the condensation heat is released by means of a plate type exchanger connected to a water citcuit. Condensation water can be extracted from a well, a local water system or from closed circuits such as cooling towers or dry coolers.



t-NEXT DF DW/ i-NEXT DF DW Water cooled direct expansion air conditioners with Dual Fluid system

Water cooled direct expansion air conditioners with two cooling systems which are completely independent one to each other. The units are equipped with a built-in water cooled condenser.

The primary chilled water circuit consisting of a chilled water coil is connected to an outdoor chiller. The secondary circuit is direct expansion type.



t-NEXT FC DW / i-NEXT FC DW Water cooled direct expansion air conditioners with Free Cooling system

Water cooled direct expansion air conditioners equipped with a built-in water cooled condenser, featuring two cooling systems. The primary direct expansion circuit is combined with a secondary chilled water circuit generally connected to an outdoor dry cooler. The two circuits are often working together in partial free cooling mode.





Airflow: OVER, air discharged from the top, air intake from the rear/bottom of the unit

Raised floor: absent Room Height < 3m

UNDER

UNDER version feature air suction from the top of the unit and air delivery in the underfloor void.



Airflow: UNDER, air discharged from the bottom under the floor with air intake from the top

Raised floor > 400 mm Room Height < 3m





b-NEXT DX Air Cooled Direct Expansion Air Conditioners (AC fans)

AIR COOLED

b-NEXT-UNDER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame			E0	E0	E1	E2	E2	E3	E3	E3	E4	E4	E4
Power supply		V/ph/Hz	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE													
Total cooling capacity gross	(1)	kW	6,37	7,73	10,7	14,0	15,0	20,6	22,5	26,3	31,8	36,4	40,9
Sensible cooling capacity gross	(1)	kW	6,29	7,05	10,7	14,0	15,0	20,6	22,5	25,8	31,7	34,2	39,3
Total power input (Comp.+fans)	(1)	kW	1,65	2,02	2,75	3,45	3,84	5,15	5,94	7,03	7,48	8,43	9,86
EER (Indoor unit)	(1)	kW/kW	3,86	3,83	3,89	4,06	3,91	4,00	3,79	3,74	4,25	4,32	4,15
SHR	(2)		0,99	0,91	1,00	1,00	1,00	1,00	1,00	0,98	1,00	0,94	0,96
REFRIGERANT CIRCUIT													
Compressors nr.		N°	1	1	1	1	1	1	1	1	1	1	1
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	2,30	2,30	3,20	3,40	3,40	4,00	4,00	4,00	5,70	5,70	8,60
FANS													
Fans type			PLUG FAN	PLUG FAN	ac rad i al	PLUG FAN							
Quantity		Ν°	1	1	1	1	1	1	1	1	1	1	1
Air flow	(3)	m³/h	1660	1660	3120	4340	4340	6650	6650	6650	8150	8150	9800
NOISE LEVEL													
Sound Power		dB(A)	57	57	57	65	65	67	67	67	71	71	75
Sound Pressure	(4)	dB(A)	42	42	41	49	49	51	51	51	54	54	58
SIZE AND WEIGHT													
A	(3)	mm	655	655	650	785	785	1085	1085	1085	1305	1305	1305
В	(3)	mm	445	445	675	675	675	775	775	775	930	930	930
Н	(3)	mm	1680	1680	1925	1925	1925	1925	1925	1925	1980	1980	1980
Weight	(3)	kg	160	160	238	270	275	320	325	325	420	425	437
COUPLING UNIT EXTERNAL													
Standard remote condenser linked													
Voltage													

b-NEXT-UNDER			045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D	117 P4 D	146 P4 D
Frame			E4	E5	E5	E6	E6	675 F2 D	E7	E8	E8	E9	E9
Power supply		V/ph/Hz		400/3+N/50		400/3+N/50			400/3+N/50			400/3+N/50	400/3+N/50
PERFORMANCE		V) prorie	100/0114/00	100/0114/00	100/01/14/00	100/0111/00	100/01/100	100/01/11/00	100/01/18/00	100/0111/00	100/01/100	100/0111/00	100/0111/00
Total cooling capacity gross	(1)	kW	44,8	36,9	47,7	56,5	63,2	74,7	82,0	91,1	103	119	147
Sensible cooling capacity gross	(1)	kW	41,6	35.3	44.4	53.6	58.7	74.1	78.1	85.2	91.5	115	134
Total power input (Comp.+fans)	(1)	kW	10.9	8.69	11.8	13.9	15.1	17.9	19.8	21,6	25,4	30.0	37.6
EER (Indoor unit)	(1)	kW/kW	4,11	4.25	4.04	4.06	4.19	4,17	4.14	4.22	4.06	3.97	3,91
SHR	(2)		0.93	0.96	0.93	0.95	0.93	0.99	0.95	0.94	0.89	0.97	0.91
REFRIGERANT CIRCUIT	(-)		-,	-,	-,	-,	-,	-,	-,	-,	-,	-,	-,
Compressors nr.		Ν°	1	2	2	2	2	2	2	2	2	4	4
No. Circuits		N°	1	2	2	2	2	2	2	2	2	2	2
Refrigerant charge		kg	8,60	9,00	9,00	9,80	9,80	16,2	16,2	17,4	17,4	21,6	21,6
FANS		ŭ											
Fans type			PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN	PLUG FAN
Quantity		N°	1	1	1	2	2	2	2	2	2	3	3
Air flow	(3)	m³/h	9800	8450	10350	15200	15200	19200	19200	20350	20350	29400	29400
NOISE LEVEL													
Sound Power		dB(A)	75	72	76	73	73	73	78	80	80	81	81
Sound Pressure	(4)	dB(A)	58	55	59	56	56	56	61	62	62	63	63
SIZE AND WEIGHT													
A	(3)	mm	1305	1630	1630	1875	1875	2175	2175	2499	2499	2899	2899
В	(3)	mm	930	930	930	930	930	930	930	930	930	930	930
Н	(3)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	445	530	540	620	640	745	750	845	845	1020	1080
COUPLING UNIT EXTERNAL													
Standard remote condenser linked													
Voltage													
Quantity		Ν°											

Quantity

- 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa. 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.
- 3 Unit in standard configuration/execution, without optional accessories.
- 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.
- The units highlighted in this publication contain HFC R410A [GWP $_{\scriptscriptstyle{100}}$ 2088] fluorinated greenhouse gases.

b-NEXT DX Air Cooled Direct Expansion Air Conditioners (AC fans)

b-NEXT-OVER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S
Frame			E0	E0	E1	E2	E2	E3	E3	E3	E4	E4
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
Total cooling capacity gross	(1)	kW	6,37	7,73	10,7	14,0	15,0	20,6	22,5	26,3	31,8	36,4
Sensible cooling capacity gross	(1)	kW	6,29	7,05	10,7	14,0	15,0	20,6	22,5	25,8	31,7	34,2
Total power input (Comp.+fans)	(1)	kW	1,65	2,02	2,74	3,45	3,84	5,15	5,94	7,03	7,48	8,43
EER (Indoor unit)	(1)	kW/kW	3,86	3,83	3,91	4,06	3,91	4,00	3,79	3,74	4,25	4,32
SHR	(2)		0,99	0,91	1,00	1,00	1,00	1,00	1,00	0,98	1,00	0,94
REFRIGERANT CIRCUIT												
Compressors nr.		N°	1	1	1	1	1	1	1	1	1	1
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	2,30	2,30	3,20	3,40	3,40	4,00	4,00	4,00	5,70	5,70
FANS												
Fans type			PLUG FAN	PLUG FAN	AC RADIAL	PLUG FAN						
Quantity		N°	1	1	1	1	1	1	1	1	1	1
Air flow	(3)	m³/h	1660	1660	3120	4340	4340	6650	6650	6650	8150	8150
NOISE LEVEL												
Sound Power		dB(A)	56	56	56	66	66	67	67	67	71	71
Sound Pressure	(4)	dB(A)	41	41	40	50	50	51	51	51	54	54
SIZE AND WEIGHT												
4	(3)	mm	655	655	650	785	785	1085	1085	1085	1305	1305
В	(3)	mm	445	445	675	675	675	775	775	775	930	930
Н	(3)	mm	1680	1680	1925	1925	1925	1925	1925	1925	1980	1980
Weight	(3)	kg	160	160	228	260	265	300	305	305	410	415
COUPLING UNIT EXTERNAL												
Standard remote condenser linked												
Voltage												
Quantity		N°										

b-NEXT-OVER			041 P1 S	045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D
Frame			E4	E4	E5	E5	E6	E6	E7	E7	E8	E8
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
Total cooling capacity gross	(1)	kW	40,9	44,8	36,9	47,7	56,5	63,2	74,7	82,0	91,1	103
Sensible cooling capacity gross	(1)	kW	39,3	41,6	35,3	44,4	53,6	58,7	74,1	78,1	85,2	91,5
Total power input (Comp.+fans)	(1)	kW	9,86	10,9	8,69	11,8	13,9	15,1	17,9	19,8	21,6	25,4
EER (Indoor unit)	(1)	kW/kW	4,15	4,11	4,25	4,04	4,06	4,19	4,17	4,14	4,22	4,06
SHR	(2)		0,96	0,93	0,96	0,93	0,95	0,93	0,99	0,95	0,94	0,89
REFRIGERANT CIRCUIT												
Compressors nr.		Ν°	1	1	2	2	2	2	2	2	2	2
No. Circuits		N°	1	1	2	2	2	2	2	2	2	2
Refrigerant charge		kg	8,60	8,60	9,00	9,00	9,80	9,80	16,2	16,2	17,4	17,4
FANS												
Fans type			PLUG FAN									
Quantity		N°	1	1	1	1	2	2	2	2	2	2
Air flow	(3)	m³/h	9800	9800	8450	10350	15200	15200	19200	19200	20350	20350
NOISE LEVEL												
Sound Power		dB(A)	75	75	71	76	75	75	78	78	80	80
Sound Pressure	(4)	dB(A)	58	58	54	59	58	58	61	61	62	62
SIZE AND WEIGHT												
A	(3)	mm	1305	1305	1630	1630	1875	1875	2175	2175	2499	2499
В	(3)	mm	930	930	930	930	930	930	930	930	930	930
Н	(3)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	427	435	520	530	610	610	688	695	785	785
COUPLING UNIT EXTERNAL												
Standard remote condenser linked												
Voltage												
Quantity		N°										



Notes:

1 Indoor conditions (in) 26°C - R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.

2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

3 Unit in standard configuration/execution, without optional accessories.

4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

The units highlighted in this publication contain HFC R410A [GWP 100 2088] fluorinated greenhouse gases.



b-NEXT DW Water Cooled Direct Expansion Air Conditioners (AC fans)



b-NEXT DW UNDER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame			E1	E1	E1	E2	E2	E3	E3	E3	E4L	E4L	E4L
Power supply		V/ph/Hz	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE													
Total cooling capacity gross	(1)	kW	8,50	10,1	11,6	15,4	16,4	21,9	23,9	28,6	34,3	39,0	44,3
Sensible cooling capacity gross	(1)	kW	7,96	9,35	10,6	14,3	15,1	21,4	23,0	26,4	32,3	35,1	40,4
Total power input (Comp.+fans)	(1)	kW	1,71	2,06	2,49	3,07	3,43	4,66	5,38	6,31	6,70	7,57	8,76
EER (Indoor unit)	(1)	kW/kW	4,97	4,90	4,66	5,02	4,78	4,70	4,44	4,53	5,12	5,15	5,06
SHR	(2)		0,94	0,93	0,91	0,93	0,92	0,98	0,96	0,92	0,94	0,90	0,91
PLATE CAPACITOR													
Capacitors nr.		N°	1	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	l /s	0,47	0,56	0,66	0,86	0,92	1,21	1,34	1,61	1,91	2,18	2,47
Pressure drop	(1)	kPa	25,1	34,8	27,9	22,5	25,6	22,3	26,6	19,7	27,3	34,6	27,8
REFRIGERANT CIRCUIT													
Compressors nr.		N°	1	1	1	1	1	1	1	1	1	1	1
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	3,30	3,30	3,30	3,40	3,40	4,40	4,40	4,50	6,20	6,20	9,30
FANS													
Fans type			AC RAD I AL	AC RAD I AL	AC RAD I AL	PLUG FAN							
Quantity		N°	1	1	1	1	1	1	1	1	1	1	1
Air flow	(3)	m³/h	3120	3120	3120	4340	4340	6650	6650	6650	8150	8150	9800
NOISE LEVEL													
Sound Power		dB(A)	68	68	57	65	65	67	67	67	71	71	75
Sound Pressure	(4)	dB(A)	52	52	41	49	49	51	51	51	54	54	58
SIZE AND WEIGHT													
A	(3)	mm	650	650	650	785	785	1085	1085	1085	1630	1630	1630
В	(3)	mm	675	675	675	675	675	775	775	775	930	930	930
H	(3)	mm	1925	1925	1925	1925	1925	1925	1925	1925	1980	1980	1980
Weight	(3)	kg	245	247	250	285	290	340	345	345	510	510	515

b-NEXT DW UNDER	045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D	117 P4 D	146 P4 D
Frame	E4L	E5L	E5L	E6L	E6L	E7L	E7L	E8L	E8L	E9L	E9L
Power supply V/ph/Hz	400/3+N/50										
PERFORMANCE											
Total cooling capacity gross (1) kW	47,3	39,7	49,3	59,3	66,4	80,5	88,4	98,3	110	125	155
Sensible cooling capacity gross (1) kW	42,8	35,9	42,2	56,3	60,9	74,7	80,0	88,4	94,9	120	139
Total power input (Comp.+fans) (1) kW	9,70	7,73	10,4	12,4	13,6	15,9	17,7	19,4	22,6	27,0	33,9
EER (Indoor unit) (1) kW/kW	4,88	5,14	4,74	4,78	4,88	5,06	4,99	5,07	4,87	4,63	4,57
SHR (2)	0,90	0,90	0,86	0,95	0,92	0,93	0,90	0,90	0,86	0,96	0,90
PLATE CAPACITOR											
Capacitors nr. N°	1	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow (1) Vs	2,66	2,22	2,81	3,32	3,72	4,47	4,94	5,50	6,22	7,08	8,82
Pressure drop (1) kPa	31,7	27,4	42,0	23,3	28,5	24,1	28,9	22,9	28,9	33,6	50,5
REFRIGERANT CIRCUIT	1	0	0	0	0	0	0	0	0	4	4
Compressors nr. N° No. Circuits N°	1	2 2	2	2 2	2	2 2	2	2	2 2	4	4
	9,30	9,70	2 9,70	9,80	2 9,80	16,2	2 16,2	2 17.4	∠ 17,4	2 21,6	2 21,6
Refrigerant charge kg FANS	9,30	9,70	9,70	9,00	9,00	10,2	10,2	17,4	17,4	21,0	21,0
Fans type	PLUG FAN										
Quantity N°	1	1	1	2	2	2	2	2	2	3	3
Air flow (3) m³/h	9800	8450	8798	15200	15200	19200	19200	20350	20350	29400	29400
NOISE LEVEL	3000	0450	0730	13200	10200	13200	13200	20000	20000	23400	23400
Sound Power dB(A)	75	72	72	73	73	73	78	80	80	81	81
Sound Pressure (4) dB(A)	58	55	55	56	56	55	60	62	62	63	63
SIZE AND WEIGHT	00	00	00	00	00	00	00	02	02	00	00
A (3) mm	1630	1955	1955	2198	2198	2499	2499	2899	2899	3299	3299
B (3) mm	930	930	930	930	930	930	930	930	930	930	930
H (3) mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight (3) kg	515	645	645	710	710	775	775	990	990	1140	1190

Notes:

¹ Indoor conditions (in) 26°C - R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa. 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross. 3 Unit in standard configuration/execution, without optional accessories.

⁴ Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

The units highlighted in this publication contain HFC R410A [GWP $_{100}$ 2088] fluorinated greenhouse gases.

b-NEXT DW-OVER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S
Frame			E1	E1	E1	E2	E2	E3	E3	E3	E4L	E4L
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
Total cooling capacity gross	(1)	kW	8,50	10,1	11,6	15,4	16,4	21,9	23,9	28,6	34,3	39,0
Sensible cooling capacity gross	(1)	kW	7,96	9,35	10,6	14,3	15,1	21,4	23,0	26,4	32,3	35,1
Total power input (Comp.+fans)	(1)	kW	1,65	2,00	2,43	3,07	3,43	4,66	5,38	6,31	6,70	7,57
EER (Indoor unit)	(1)	kW/kW	5,15	5,05	4,77	5,02	4,78	4,70	4,44	4,53	5,12	5,15
SHR	(2)		0,94	0,93	0,91	0,93	0,92	0,98	0,96	0,92	0,94	0,90
PLATE CAPACITOR												
Capacitors nr.		Ν°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	/s	0,47	0,56	0,66	0,86	0,92	1,21	1,34	1,61	1,91	2,18
Pressure drop	(1)	kPa	25,0	34,5	27,9	22,5	25,6	22,3	26,6	19,7	27,3	34,6
REFRIGERANT CIRCUIT												
Compressors nr.		Ν°	1	1	1	1	1	1	1	1	1	1
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	3,30	3,30	3,20	3,60	3,60	4,40	4,40	4,50	6,20	6,20
FANS												
Fans type			AC RADIAL	AC RADIAL	AC RADIAL	PLUG FAN						
Quantity		N°	1	1	1	1	1	1	1	1	1	1
Air flow	(3)	m³/h	3120	3120	3120	4340	4340	6650	6650	6650	8150	8150
NOISE LEVEL												
Sound Power		dB(A)	69	69	56	66	66	67	67	67	71	71
Sound Pressure	(4)	dB(A)	53	53	40	50	50	51	51	51	54	54
SIZE AND WEIGHT												
Α	(3)	mm	650	650	650	785	785	1085	1085	1085	1630	1630
В	(3)	mm	675	675	675	675	675	775	775	775	930	930
Н	(3)	mm	1925	1925	1925	1925	1925	1925	1925	1925	1980	1980
Weight	(3)	kg	235	237	240	275	280	320	325	325	500	500

b-NEXT DW-OVER			041 P1 S	045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D
Frame			E4L	E4L	E5L	E5L	E6L	E6L	E7L	E7L	E8L	E8L
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
0 , , , ,	(1)	kW	44,3	47,3	39,7	49,3	59,3	66,4	80,5	88,4	98,3	110
	(1)	kW	40,4	42,8	35,9	42,2	56,3	60,9	74,7	80,0	88,4	94,9
	(1)	kW	8,76	9,70	7,73	10,4	12,4	13,6	15,9	17,7	19,4	22,6
, ,	(1)	kW/kW	5,06	4,88	5,14	4,78	4,78	4,88	5,06	4,99	5,07	4,87
SHR	(2)		0,91	0,90	0,90	0,86	0,95	0,92	0,93	0,90	0,90	0,86
PLATE CAPACITOR												
Capacitors nr.		N°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	I/s	2,47	2,66	2,22	2,81	3,32	3,72	4,47	4,94	5,50	6,22
Pressure drop	(1)	kPa	27,8	31,7	27,4	42,0	23,3	28,5	24,1	28,9	22,9	28,9
REFRIGERANT CIRCUIT												
Compressors nr.		N°	1	1	2	2	2	2	2	2	2	4
No. Circuits		N°	1	1	2	2	2	2	2	2	2	2
Refrigerant charge		kg	9,30	9,30	9,70	9,70	9,80	9,80	16,2	16,2	17,4	17,4
FANS												
Fans type			PLUG FAN									
Quantity		N°	1	1	1	1	2	2	2	2	2	2
	(3)	m³/h	9800	9800	8450	8798	15200	15200	19200	19200	20350	20350
NOISE LEVEL												
Sound Power		dB(A)	75	75	71	72	75	75	78	78	80	80
	(4)	dB(A)	58	58	54	55	58	58	60	60	62	62
SIZE AND WEIGHT												
	(3)	mm	1630	1630	1955	1955	2198	2198	2499	2499	2899	2899
	(3)	mm	930	930	930	930	930	930	930	930	930	930
	(3)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	505	505	635	635	690	690	725	725	930	930

- Notes:

 1 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.

 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Unit in standard configuration/execution, without optional accessories.

 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

 The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.





t-NEXT DX Air Cooled Direct Expansion Air Conditioners (EC fans)



NEVT BY OVER			007.04.0	000 04 0	044 04 0	014 P4 0	040.04.0	000 P4 0	000 D4 0	000 P4 0	000 04 0	007.04.0
t-NEXT DX-OVER			007 P1 S	009 P1 S F0	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S
Frame		111.1.11	E0		E1	E2	E2	E3	E3	E3	E4	E4
Power supply		V/ph/Hz	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE												
Total cooling capacity gross	(1)	kW	6,59	7,73	10,3	13,8	16,0	20,3	22,1	26,2	32,5	37,6
Sensible cooling capacity gross	(1)	kW	6,29	7,05	10,2	13,8	14,8	20,3	22,1	25,3	32,5	37,6
Total power input (Comp,+fans)	(1)	kW	1,62	1,99	2,57	3,26	3,71	4,52	5,47	6,71	7,59	9,22
EER (Indoor unit)	(1)	kW/kW	4,07	3,88	4,01	4,23	4,31	4,49	4,04	3,90	4,28	4,08
SHR	(2)		0,95	0,91	0,99	1,00	0,92	1,00	1,00	0,97	1,00	1,00
REFRIGERANT CIRCUIT												
Compressors nr,		Ν°	1	1	1	1	1	1	1	1	1	1
No, Circuits		Ν°	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	3,20	3,20	3,20	3,40	3,40	4,00	4,00	4,00	5,70	5,70
FANS												
Fans type			EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN
Quantity		N°	1	1	1	1	1	1	1	1	1	1
Air flow	(3)	m³/h	1660	1660	2800	4000	4200	5700	6100	6400	8700	10000
NOISE LEVEL												
Sound Power		dB(A)	58	58	58	63	64	63	65	64	71	74
Sound Pressure	(4)	dB(A)	43	43	42	47	48	47	49	48	54	57
SIZE AND WEIGHT												
A	(3)	mm	655	655	650	785	785	1085	1085	1085	1305	1305
В	(3)	mm	445	445	675	675	675	775	775	775	930	930
Н	(3)	mm	1680	1680	1925	1925	1925	1925	1925	1925	1980	1980
Weight	(3)	kg	160	160	228	260	265	300	305	305	410	415
COUPLING UNIT EXTERNAL		Ť										
Standard remote condenser linked												
Voltage												

t-NEXT DX-OVER			041 P1 S	045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D
Frame			E4	E4	E5	E5	E6	E6	E7	E7	E8	E8
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
Total cooling capacity gross	(1)	kW	41,4	45,4	38,1	48,6	55,1	61,9	75,4	82,5	92,0	104
Sensible cooling capacity gross	(1)	kW	41,2	43,4	38,1	47,4	55,1	60,6	75,4	79,5	88,1	94,9
Total power input (Comp,+fans)	(1)	kW	10,1	11,2	9,19	12,4	13,5	15,0	17,8	19,7	22,0	25,7
EER (Indoor unit)	(1)	kW/kW	4,10	4,05	4,15	3,92	4,08	4,13	4,24	4,19	4,18	4,05
SHR	(2)		1,00	0,96	1,00	0,98	1,00	0,98	1,00	0,96	0,96	0,91
REFRIGERANT CIRCUIT												
Compressors nr,		N°	1	1	2	2	2	2	2	2	2	2
No, Circuits		N°	1	1	2	2	2	2	2	2	2	2
Refrigerant charge		kg	8,60	8,60	9,00	9,00	9,80	9,80	16,2	16,2	17,4	17,4
FANS												
Fans type			EC FAN									
Quantity		N°	1	1	1	1	2	2	2	2	2	2
Air flow	(3)	m³/h	10800	10800	10000	12000	15200	15600	20000	20000	22000	22000
NOISE LEVEL												
Sound Power		dB(A)	74	74	75	76	71	73	75	75	78	78
Sound Pressure	(4)	dB(A)	57	57	58	59	54	56	58	58	60	60
SIZE AND WEIGHT												
A	(3)	mm	1305	1305	1630	1630	1875	1875	2175	2175	2499	2499
В	(3)	mm	930	930	930	930	930	930	930	930	930	930
Н	(3)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	427	435	520	530	610	630	688	695	785	785
COUPLING UNIT EXTERNAL												
Standard remote condenser linked												
Voltage												
Quantity		Ν°										

- Notes:

 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.

 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Unit in standard configuration/execution, without optional accessories.

 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

 The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.

t-NEXT DX-UNDER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame			E0	E0	E1	E2	E2	E3	E3	E3	E4	E4	E4
Power supply		V/ph/Hz	400/3+N/50										
PERFORMANCE													
Total cooling capacity gross	(1)	kW	6,59	7,73	10,3	13,8	16,0	20,3	22,1	26,2	32,5	37,6	41,4
Sensible cooling capacity gross	(1)	kW	6,29	7,05	10,2	13,8	14,8	20,3	22,1	25,3	32,5	37,6	41,2
Total power input (Comp. +fans)	(1)	kW	1,62	1,99	2,57	3,26	3,71	4,52	5,47	6,71	7,59	9,22	10,1
EER (Indoor unit)	(1)	kW/kW	4,07	3,88	4,01	4,23	4,31	4,49	4,04	3,90	4,28	4,08	4,10
SHR	(2)		0,95	0,91	0,99	1,00	0,92	1,00	1,00	0,97	1,00	1,00	1,00
REFRIGERANT CIRCUIT													
Compressors nr.		Ν°	1	1	1	1	1	1	1	1	1	1	1
No. Circuits		Ν°	1	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	3,20	3,20	3,20	3,40	3,40	4,40	4,40	4,00	5,70	5,70	8,60
FANS													
Fans type			EC FAN										
Quantity		Ν°	1	1	1	1	1	1	1	1	1	1	1
Air flow	(3)	m³/h	1660	1660	2800	4000	4200	5700	6100	6400	8700	10000	10800
NOISE LEVEL													
Sound Power		dB(A)	58	58	58	64	65	64	66	66	72	75	74
Sound Pressure	(4)	dB(A)	43	43	42	48	49	48	50	50	55	58	57
SIZE AND WEIGHT													
A	(3)	mm	655	655	650	785	785	1085	1085	1085	1305	1305	1305
В	(3)	mm	445	445	675	675	675	775	775	775	930	930	930
Н	(3)	mm	1680	1680	1925	1925	1925	1925	1925	1925	1980	1980	1980
Weight	(3)	kg	160	160	238	270	275	320	325	325	420	425	437
COUPLING UNIT EXTERNAL													
Standard remote condenser linked													
Voltage													
Quantity		Ν°											

t-NEXT DX-UNDER			045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D	117 P4 D	146 P4 D
Frame			E4	E5	E5	E6	E6	E7	E7	E8	E8	E9	E9
Power supply		V/ph/Hz	400/3+N/50										
PERFORMANCE													
Total cooling capacity gross	(1)	kW	45,4	38,1	48,6	55,1	61,9	75,4	82,5	92,0	104	121	149
Sensible cooling capacity gross	(1)	kW	43,4	38,1	47,4	55,1	60,6	75,4	79,5	88,1	94,9	119	139
Total power input (Comp.+fans)	(1)	kW	11,2	9,19	12,4	13,5	15,0	17,8	19,7	22,0	25,7	30,4	38,0
EER (Indoor unit)	(1)	kW/kW	4,05	4,15	3,92	4,08	4,13	4,24	4,19	4,18	4,05	3,98	3,92
SHR	(2)		0,96	1,00	0,98	1,00	0,98	1,00	0,96	0,96	0,91	0,98	0,93
REFRIGERANT CIRCUIT													
Compressors nr.		Ν°	1	2	2	2	2	2	2	2	2	4	4
No. Circuits		N°	1	2	2	2	2	2	2	2	2	2	2
Refrigerant charge		kg	8,60	9,00	9,00	9,80	9,80	16,2	16,2	17,4	17,4	21,6	21,6
FANS													
Fans type			EC FAN										
Quantity		Ν°	1	1	1	2	2	2	2	2	2	3	3
Air flow	(3)	m³/h	10800	10000	12000	15000	15600	20000	20000	22000	22000	32000	32000
NOISE LEVEL													
Sound Power		dB(A)	74	75	77	72	73	75	75	79	79	80	80
Sound Pressure	(4)	dB(A)	57	58	60	55	56	58	58	61	61	62	62
SIZE AND WEIGHT													
A	(3)	mm	1305	1630	1630	1875	1875	2175	2175	2499	2499	2899	2899
В	(3)	mm	930	930	930	930	930	930	930	930	930	930	930
Н	(3)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	445	530	540	620	640	745	750	845	845	1020	1080
COUPLING UNIT EXTERNAL		_											
Standard remote condenser linked													
Voltage													

Quantity

N°

- Notes:

 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.

 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Unit in standard configuration/execution, without optional accessories.

 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

 The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.





t-NEXT DW Water Cooled Direct Expansion Air Conditioners (EC fans)



t-NEXT DW-OVER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S
Frame			E1	E1	E1	E2	E2	E3	E3	E3	E4L	E4L
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
Total cooling capacity gross	(1)	kW	7,89	9,39	11,0	14,5	15,5	21,2	23,0	27,8	34,4	39,5
Sensible cooling capacity gross	(1)	kW	7,89	9,39	10,5	14,5	15,5	21,2	23,0	26,5	34,4	39,5
Total power input (Comp,+fans)	(1)	kW	1,42	1,77	2,28	2,87	3,30	4,00	4,86	5,97	6,71	8,20
EER (Indoor unit)	(1)	kW/kW	5,56	5,31	4,82	5,05	4,70	5,30	4,73	4,66	5,13	4,82
SHR	(2)		1,00	1,00	0,95	1,00	1,00	1,00	1,00	0,95	1,00	1,00
PLATE CAPACITOR												
Compressors nr,		N°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	I/s	0,44	0,53	0,62	0,81	0,88	1,17	1,29	1,57	1,91	2,20
Pressure drop	(1)	kPa	22,1	30,9	25,5	20,4	23,4	20,8	24,6	18,9	27,3	35,4
REFRIGERANT CIRCUIT												
Compressors nr,		N°	1	1	1	1	1	1	1	1	1	1
No, Circuits		N°	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	3,30	3,30	3,30	3,60	3,60	4,40	4,40	4,50	5,70	5,70
FANS			EO EAN									
Fans type		N°	EC FAN									
Quantity Air flow	(2)	m³/h	2500	2700	2800	4000	4200	5700	6100	6400	8700	10000
NOISE LEVEL	(3)	1119/11	2500	2700	2000	4000	4200	3700	0100	0400	0700	10000
Sound Power		dB(A)	60	62	58	63	64	63	65	64	71	74
Sound Pressure	(4)	dB(A)	44	46	42	47	48	47	49	48	54	57
SIZE AND WEIGHT	(¬)	ub(r)		40	72	71	70	71	70	70	04	01
A	(3)	mm	650	650	650	785	785	1085	1085	1085	1630	1630
В	(3)	mm	675	675	675	675	675	775	775	775	930	930
Н	(3)	mm	1925	1925	1925	1925	1925	1925	1925	1925	1980	1980
Weight	(3)	kg	235	237	240	275	280	320	325	325	500	500

t-NEXT DW-OVER			041 P1 S	045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D
Frame ower supply PERFORMANCE		V/ph/Hz	E4L 400/3+N/50	E4L 400/3+N/50	E5L 400/3+N/50	E5L 400/3+N/50	E6L 400/3+N/50	E6L 400/3+N/50	E7L 400/3+N/50	E7L 400/3+N/50	E8L 400/3+N/50	E8L 400/3+N/50
Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR	(1) (1) (1) (1) (2)	kW kW kW kW/kW	44,1 42,6 8,85 4,98 0,97	48,0 44,8 9,87 4,86 0,93	39,8 39,2 8,23 4,84 0,98	50,3 46,0 11,2 4,49 0,91	57,7 57,5 12,0 4,81 1,00	65,2 62,5 13,3 4,90 0,96	79,4 77,7 15,7 5,06 0,98	87,2 82,1 17,5 4,98 0,94	97,5 91,0 19,5 5,00 0,93	109 97,2 22,8 4,78 0,89
PLATE CAPACITOR Compressors nr, Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT	(1) (1)	N° I/s kPa	1 2,46 27,5	1 2,70 32,5	1 2,23 27,5	1 2,86 43,7	1 3,25 22,1	1 3,66 27,6	1 4,41 23,5	1 4,88 28,2	1 5,46 22,6	1 6,18 28,5
Compressors nr, No, Circuits Refrigerant charge FANS		N° N° kg	1 1 8,60	1 1 8,60	2 2 9,00	2 2 9,00	2 2 9,80	2 2 9,80	2 2 16,2	2 2 16,2	2 2 17,4	2 2 17,4
Fans type Quantity Air flow	(3)	N° m³/h	EC FAN 1 10800	EC FAN 1 10800	EC FAN 1 10000	EC FAN 1 12000	EC FAN 2 15000	EC FAN 2 15600	EC FAN 2 20000	EC FAN 2 20000	EC FAN 2 22000	EC FAN 2 22000
NOISE LEVEL Sound Power Sound Pressure SIZE AND WEIGHT	(4)	dB(A) dB(A)	75 58	75 58	75 58	77 60	71 54	73 56	75 57	75 57	79 61	79 61
A B H Weight	(3) (3) (3) (3)	mm mm mm kg	1630 930 1980 505	1630 930 1980 505	1955 930 1980 635	1955 930 1980 635	2198 930 1980 690	2198 930 1980 725	2499 930 1980 725	2499 930 1980 725	2899 930 1980 930	2899 930 1980 930

- 1 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.
- 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.
- 3 Unit in standard configuration/execution, without optional accessories.

⁴ Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

The units highlighted in this publication contain HFC R410A [GWP $_{\tiny 100}$ 2088] fluorinated greenhouse gases.

t-NEXT DW-UNDER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame			E1	E1	E1	E2	E2	E3	E3	E3	E4L	E4L	E4L
Power supply		V/ph/Hz	400/3+N/50										
PERFORMANCE													
Total cooling capacity gross	(1)	kW	7,89	9,39	11,0	14,5	16,3	21,2	23,0	27,8	34,4	39,5	44,1
Sensible cooling capacity gross	(1)	kW	7,89	9,39	10,5	14,5	14,8	21,2	23,0	26,5	34,4	39,5	42,6
Total power input (Comp,+fans)	(1)	kW	1,42	1,77	2,28	2,87	3,31	4,00	4,86	5,97	6,71	8,20	8,85
EER (Indoor unit)	(1)	kW/kW	5,56	5,31	4,82	5,05	4,92	5,30	4,73	4,66	5,13	4,82	4,98
SHR	(2)		1,00	1,00	0,95	1,00	0,91	1,00	1,00	0,94	1,00	1,00	0,97
PLATE CAPACITOR													
Capacitors nr,		N°	1	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	/s	0,44	0,53	0,62	0,81	0,91	1,17	1,29	1,57	1,91	2,20	2,46
Pressure drop	(1)	kPa	22,1	30,9	25,5	20,4	25,4	20,8	24,6	18,9	27,3	35,4	27,5
REFRIGERANT CIRCUIT													
Compressors nr,		N°	1	1	1	1	1	1	1	1	1	1	1
No, Circuits		N°	1	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	3,30	3,30	3,30	3,60	3,60	4,40	4,40	4,50	6,20	6,20	9,30
FANS													
Fans type			EC FAN										
Quantity		Ν°	1	1	1	1	1	1	1	1	1	1	1
Air flow	(3)	m³/h	2500	2700	2800	4000	4200	5700	6100	6400	8700	10000	10800
NOISE LEVEL													
Sound Power		dB(A)	60	62	58	64	65	64	66	66	72	75	75
Sound Pressure	(4)	dB(A)	44	46	42	48	49	48	50	50	55	58	58
SIZE AND WEIGHT													
A	(3)	mm	650	650	650	785	785	1085	1085	1085	1630	1630	1630
В	(3)	mm	675	675	675	675	675	775	775	775	930	930	930
Н	(3)	mm	1925	1925	1925	1925	1925	1925	1925	1925	1980	1980	1980
Weight	(3)	kg	245	247	250	285	290	340	345	345	420	425	437

t-NEXT DW-UNDER			045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D	117 P4 D	146 P4 D
Frame			E4L	E5L	E5L	E6L	E6L	E7L	E7L	E8L	E8L	E9L	E9L
Power supply		V/ph/Hz	400/3+N/50										
PERFORMANCE													
Total cooling capacity gross	(1)	kW	48,0	39,8	50,3	57,7	65,2	79,4	87,2	97,5	109	126	156
Sensible cooling capacity gross	(1)	kW	44,8	39,2	46,0	57,5	62,5	77,7	82,1	91,0	97,2	126	144
Total power input (Comp,+fans)	(1)	kW	9,87	8,23	11,2	12,0	13,3	15,9	17,5	19,5	22,8	27,7	34,7
EER (Indoor unit)	(1)	kW/kW	4,86	4,84	4,49	4,81	4,90	5,06	4,98	5,00	4,78	4,55	4,50
SHR	(2)		0,93	0,98	0,91	1,00	0,96	0,93	0,94	0,93	0,89	1,00	0,92
PLATE CAPACITOR													
Capacitors nr,		N°	1	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	l/s	2,70	2,23	2,86	3,25	3,66	4,41	4,88	5,46	6,18	7,10	8,87
Pressure drop	(1)	kPa	32,5	27,5	43,7	22,1	27,6	23,5	28,2	22,9	28,5	33,8	51,2
REFRIGERANT CIRCUIT													
Compressors nr,		N°	1	2	2	2	2	2	2	2	2	4	4
No, Circuits		N°	1	2	2	2	2	2	2	2	2	2	2
Refrigerant charge		kg	9,30	9,00	9,00	9,80	9,80	16,2	16,2	17,4	17,4	21,6	21,6
FANS													
Fans type			EC FAN										
Quantity	(0)	N°	1	1	1	2	2	2	2	2	2	3	3
Air flow	(3)	m³/h	10800	10000	12000	15200	15600	20000	20000	22000	22000	33100	33100
NOISE LEVEL		-ID(A)	75	75	70	70	70	7.5	75	00	00	04	0.1
Sound Power	(4)	dB(A)	75 58	75 58	78 61	72 55	73 56	75 57	75 57	80 62	80 62	81 63	81
Sound Pressure SIZE AND WEIGHT	(4)	dB(A)	58	58	ы	55	56	5/	5/	62	62	63	63
	(2)	mm	1630	1955	1955	2198	2198	2499	2499	2899	2899	3299	3299
A B	(3)		930	930	930	930	930	930	930	930	930	930	930
Н	(3)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
п Weight	(3)	mm	435	645	645	710	710	775	775	990	990	1140	1190
weight	(3)	kg	430	043	040	/10	/10	775	775	990	990	1140	1190

- Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.

 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Unit in standard configuration/execution, without optional accessories.

 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

 The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.





NEXT LEGACY

HIGH PRECISION AIR CONDITIONERS, FROM 3 TO 155 kW



t-NEXT DF DX Air Cooled Dual Fluid Air Conditioners

t-NEXT DF DX-OVER			011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame		147 1 701	E1	E2	E3	E3	E3	E3	E4	E4	E4
Power supply		V/ph/Hz	400/3+N/50								
PERFORMANCE											
DIRECT EXPANSION	(41)	1.547	10.0	10.0	10.0	00.0	00.1	00.0	00.5	07.0	44.4
Total cooling capacity gross	(1)	kW	10,3	13,8	16,0	20,3	22,1	26,2	32,5	37,6	41,4
Sensible cooling capacity gross	(1)	kW	10,2	13,8	14,8	20,3	22,1	25,3	32,5	37,6	41,2
Total power input (Comp,+fans)	(1)	kW	2,64	3,37	3,85	4,54	5,50	6,74	7,62	9,25	10,2
EER (Indoor unit) SHR	(1)	kW/kW	3,90 0,99	4,09 1,00	4,16 0,92	4,47 1,00	4,02 1,00	3,89 0,97	4,27 1,00	4,06 1,00	4,06 1,00
CHILLED WATER	(2)		0,99	1,00	0,92	1,00	1,00	0,97	1,00	1,00	1,00
Total cooling capacity gross	(3)	kW	12,2	17,8	18,4	25,4	26,5	27,4	39,0	43,4	46,0
Sensible cooling capacity gross	(3)	kW	11,8	17,0	18,0	24,6	26,5 25,6	26,8	38,3	43,4 42,0	40,0 44,9
SHR	(2)	rvv	0,97	0,97	0,98	0,97	0,97	0,98	0,98	0,97	0,98
Fluid flow	(3)	I/s	0,59	0,85	0,30	1,21	1,27	1,31	1,86	2,07	2,20
Total pressure drop (Coil + Valve)	(3)	kPa	15,0	33,5	35,6	24,7	26.6	28,3	14,2	17,1	19,0
REFRIGERANT CIRCUIT	(0)	ni u	10,0	00,0	00,0	2 1,7	20,0	20,0	1 1,2	17,1	10,0
Compressors nr,		N°	1	1	1	1	1	1	1	1	1
No, Circuits		Ν°	1	1	1	1	i	1	i	1	i
Refrigerant charge		kg					·	•	•	·	·
FANS		9									
Fans type			EC FAN								
Quantity		Ν°	1	1	1	1	1	1	1	1	1
Air flow	(4)	m³/h	2800	4000	4200	5700	6100	6400	8700	10000	10800
NOISE LEVEL											
Sound Power		dB(A)	59	63	64	63	65	64	71	74	74
Sound Pressure	(5)	dB(A)	43	47	48	47	49	48	54	57	57
SIZE AND WEIGHT											
A	(4)	mm	650	785	785	1085	1085	1085	1305	1305	1305
В	(4)	mm	675	675	675	775	775	775	930	930	930
Н	(4)	mm	1925	1925	1925	1925	1925	1925	1980	1980	1980
Weight	(4)	kg	248	283	288	333	338	338	462	467	479
COUPLING UNIT EXTERNAL											
Standard remote condenser linked											
Voltage											
Quantity		Ν°									

t-NEXT DF DX-OVER			045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D
Frame			E4	E5	E5	E6	E6	E7	E7	E8	E8
Power supply		V/ph/Hz	400/3+N/50								
PERFORMANCE											
DIRECT EXPANSION											
Total cooling capacity gross	(1)	kW	45,4	38,1	48,6	55,1	61,9	75,4	82,5	92,0	104
Sensible cooling capacity gross	(1)	kW	43,4	38,1	47,4	55,1	60,6	75,4	79,5	88,1	94,9
Total power input (Comp,+fans)	(1)	kW	11,2	9,21	12,5	13,5	15,1	17,9	19,8	22,1	25,8
EER (Indoor unit)	(1)	kW/kW	4,05	4,14	3,89	4,08	4,10	4,21	4,17	4,16	4,03
SHR	(2)		0,96	1,00	0,98	1,00	0,98	1,00	0,96	0,96	0,91
CHILLED WATER											
Total cooling capacity gross	(3)	kW	46,0	48,8	55,5	65,3	67,3	101	101	116	116
Sensible cooling capacity gross	(3)	kW	44,9	48,8	55,2	63,2	65,4	95,3	95,3	108	108
SHR	(2)		0,98	1,00	0,99	0,97	0,97	0,94	0,94	0,93	0,93
Fluid flow	(3)	l/s	2,20	2,33	2,65	3,12	3,22	4,84	4,84	5,53	5,53
Total pressure drop (Coil + Valve)	(3)	kPa	19,0	26,3	33,1	15,7	16,6	38,8	38,8	49,3	49,3
REFRIGERANT CIRCUIT											
Compressors nr,		N°	1	2	2	2	2	2	2	2	2
No, Circuits		N°	1	2	2	2	2	2	2	2	2
Refrigerant charge		kg									
FANS											
Fans type			EC FAN								
Quantity		N°	1	1	1	2	2	2	2	2	2
Air flow	(4)	m³/h	10800	10000	12000	15000	15600	20000	20000	22000	22000
NOISE LEVEL											
Sound Power		dB(A)	74	75	76	71	73	75	75	78	78
Sound Pressure	(5)	dB(A)	57	58	59	54	56	58	58	60	60
SIZE AND WEIGHT											
Α	(4)	mm	1305	1630	1630	1875	1875	2175	2175	2499	2499
В	(4)	mm	930	930	930	930	930	930	930	930	930
H	(4)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(4)	kg	487	584	594	684	704	777	784	886	886
COUPLING UNIT EXTERNAL											
Standard remote condenser linked											
Voltage											
Quantity		N°									

t-NEXT DF DX-UNDER			011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S	045 P1 S
Frame			E1	E2	E3	E3	E3	E3	E4	E4	E4	E4
Power supply PERFORMANCE		V/ph/Hz	400/3+N/50									
DIRECT EXPANSION												
Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR	(1) (1) (1) (1) (2)	kW kW kW kW/kW	10,3 10,2 2,64 3,90 0,99	13,8 13,8 3,27 4,22 1,00	16,0 14,8 3,74 4,28 0,92	20,3 20,3 4,54 4,47 1,00	22,1 22,1 5,50 4,02 1,00	26,2 25,3 6,74 3,89 0,97	32,5 32,5 7,62 4,27 1,00	37,6 37,6 9,25 4,06 1,00	41,4 41,2 10,2 4,06 1,00	45,4 43,4 11,2 4,05 0,96
CHILLED WATER	(4)											
Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve)	(3) (3) (2) (3) (3)	kW kW I/s kPa	12,2 11,8 0,97 0,59 15,0	17,8 17,2 0,97 0,85 33,5	18,4 18,0 0,98 0,88 35,6	25,4 24,6 0,97 1,21 24,7	26,5 25,6 0,97 1,27 26,6	27,4 26,8 0,98 1,31 28,3	39,0 38,3 0,98 1,86 14,2	43,4 42,0 0,97 2,07 17,1	46,0 44,9 0,98 2,20 19,0	46,0 44,9 0,98 2,20 19,0
REFRIGERANT CIRCUIT Compressors nr,		N°	1	1	1	1	1	1	1	1	1	1
No, Circuits Refrigerant charge		N° kg	1	1	1	1	1	1	1	1	1	1
FANS												
Fans type Quantity Air flow	(4)	N° m³/h	EC FAN 1 2800	EC FAN 1 4000	EC FAN 1 4200	EC FAN 1 5700	EC FAN 1 6100	EC FAN 1 6400	EC FAN 1 8700	EC FAN 1 10000	EC FAN 1 10800	EC FAN 1 10800
NOISE LEVEL Sound Power		dB(A)	59	64	65	64	66	66	72	75	74	74
Sound Proven Sound Pressure SIZE AND WEIGHT	(5)	dB(A)	43	48	49	48	50	50	55	58	57	57
A B H Weight	(4) (4) (4) (4)	mm mm mm kg	650 675 1925 258	785 675 1925 293	785 675 1925 298	1085 775 1925 353	1085 775 1925 358	1085 775 1925 358	1305 930 1980 472	1305 930 1980 477	1305 930 1980 489	1305 930 1980 497
COUPLING UNIT EXTERNAL Standard remote condenser linked Voltage Quantity		N°										

t-NEXT DF DX-UNDER			039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D	117 P4 D	146 P4 D
Frame Power supp l y		V/ph/Hz	E5 400/3+N/50	E5 400/3+N/50	E6 400/3+N/50	E6 400/3+N/50	E7 400/3+N/50	E7 400/3+N/50	E8 400/3+N/50	E8 400/3+N/50	E9 400/3+N/50	E9 400/3+N/50
PERFORMANCE DIRECT EXPANSION												
Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER	(1) (1) (1) (1) (2)	kW kW kW kW/kW	38,1 38,1 9,21 4,14 1,00	48,6 47,4 12,5 3,89 0,98	55,1 55,1 13,5 4,08 1,00	61,9 60,6 15,1 4,10 0,98	75,4 75,4 17,9 4,21 1,00	82,5 79,5 19,8 4,17 0,96	92,0 88,1 22,2 4,14 0,96	104 94,9 26,0 4,00 0,91	122 122 30,6 3,99 1,00	147 140 38,2 3,85 0,95
Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) REFRIGERANT CIRCUIT	(3) (3) (2) (3) (3)	kW kW I/s kPa	48,8 48,8 1,00 2,33 26,3	55,5 55,2 0,99 2,65 33,1	65,3 63,2 0,97 3,12 15,7	67,3 65,4 0,97 3,22 16,6	101 95,3 0,94 4,84 38,8	101 95,3 0,94 4,84 38,8	116 108 0,93 5,53 49,3	116 108 0,93 5,53 49,3	326 236 0,72 15,6 177	326 236 0,72 15,6 177
Compressors nr, No, Circuits Refrigerant charge		N° N° kg	2 2	2 2	4 2	4 2						
FANS Fans type Quantity Air flow NOISE LEVEL	(4)	N° m³/h	EC FAN 1 10000	EC FAN 1 12000	EC FAN 2 15000	EC FAN 2 15600	EC FAN 2 20000	EC FAN 2 20000	EC FAN 2 22000	EC FAN 2 22000	EC FAN 3 32000	EC FAN 3 32000
Sound Power Sound Pressure	(5)	dB(A) dB(A)	75 58	77 60	72 55	73 56	75 58	75 58	79 61	79 61	80 62	80 62
SIZE AND WEIGHT A B H Weight COUPLING UNIT EXTERNAL	(4) (4) (4) (4)	mm mm mm kg	1630 930 1980 594	1630 930 1980 604	1875 930 1980 694	1875 930 1980 714	2175 930 1980 834	2175 930 1980 839	2499 930 1980 946	2499 930 1980 946	2899 930 1980 1150	2899 930 1980 1210
Standard remote condenser linked Voltage Quantity		N°										

- Notes:

 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.

 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 7°C/12°C; ESP= 20Pa.

 4 Unit in standard configuration/execution, without optional accessories.
- 5 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface.

 The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

 The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.





₩¥ DUAL FLUID WATER COOLED

t-NEXT DF DW Water Cooled Dual Fluid Air Conditioners

-NEXT DF DW-OVER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S
rame			E1	E2	E3	E3	E3	E3	E4	E3	E4L	E4L
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
DIRECT EXPANSION												
otal cooling capacity gross	(1)	kW	7,89	9,39	11,0	14,5	16,3	21,2	23,0	27,8	34,4	39,5
Sensible cooling capacity gross	(1)	kW	7,89	9,39	10,5	14,5	14,8	21,2	23,0	26,5	34,4	39,5
otal power input (Comp,+fans)	(1)	kW	1,47	1,84	2,23	2,99	3,44	4,14	5,03	6,16	6,87	8,43
ER (Indoor unit)	(1)	kW/kW	5,37	5,10	4,93	4,85	4,74	5,12	4,57	4,51	5,01	4,69
SHR	(2)		1,00	1,00	0,95	1,00	0,91	1,00	1,00	0,95	1,00	1,00
CHILLED WATER												
otal cooling capacity gross	(3)	kW	11,2	11,8	12,2	17,6	18,3	25,4	26,5	27,4	39,0	43,4
Sensible cooling capacity gross	(3)	kW	11,2	11,8	12,2	17,6	18,3	24,6	25,6	26,8	38,3	42,0
SHR	(2)	1,00	1,00	1,00	1,00	1,00	0,97	0,97	0,97	0,98	0,98	0,97
luid flow	(3)	/s	0,54	0,57	0,58	0,84	0,88	1,21	1,27	1,31	1,86	2,07
otal pressure drop (Coil + Valve)	(3)	kPa	12,8	14,1	14,9	32,9	35,2	24,7	26,6	28,3	14,2	17,1
EXCHANGERS												
Compressors nr,		N°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	/s	0,44	0,53	0,62	0,81	0,91	1,17	1,29	1,57	1,91	2,20
Pressure drop	(1)	kPa	22,1	30,9	25,5	20,4	25,4	20,8	24,6	18,9	27,3	35,4
REFRIGERANT CIRCUIT												
Compressors nr,		N°	1	1	1	1	1	1	1	1	1	1
Vo, Circuits		Ν°	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg										
ANS												
ans type			EC FAN									
Quantity		N°	1	1	1	1	1	1	1	1	1	1
Air flow	(4)	m³/h	2500	2700	2800	4000	4200	5700	6100	6400	8700	10000
IOISE LEVEL												
Sound Power		dB(A)	61	63	58	63	64	63	65	64	71	74
Sound Pressure	(5)	dB(A)	45	47	42	47	48	47	49	48	54	57
SIZE AND WEIGHT	. ,											
4	(4)	mm	650	650	650	785	785	1085	1085	1085	1630	1630
3	(4)	mm	675	675	675	675	675	775	775	775	930	930
1	(4)	mm	1925	1925	1925	1925	1925	1925	1925	1925	1980	1980
Veight	(4)	kg	280	282	285	328	333	393	398	398	612	612

+ NEVT DE DW OVER			044 D4-0	045 04-0	000 D0 B	040 00-0	055 D0 B	000 00-0	075 00 8	000 D0 D	000 D0 D	400 DO B
t-NEXT DF DW-OVER Frame			041 P1 S E4L	045 P1 S E4L	039 P2 D E5L	048 P2 D E5L	055 P2 D E6L	062 P2 D E6L	075 P2 D E7L	082 P2 D E7L	092 P2 D E8L	102 P2 D E8L
		V/ph/Hz			400/3+N/50	400/3+N/50		400/3+N/50				400/3+N/50
Power supply PERFORMANCE		v/pn/nz	400/3+11/30	400/3+11/30	400/3+11/30	400/3+10/30	400/3+14/30	400/3+14/30	400/3+11/30	400/3+14/30	400/3+11/30	400/3+11/30
DIRECT EXPANSION												
Total cooling capacity gross	(1)	kW	44,1	48,0	40,8	50,3	57,7	65,2	79,4	87,2	97,5	109
Sensible cooling capacity gross	(1)	kW	42,6	44.8	38.0	46.0	57,7 57.5	62,5	77.7	82,1	91,0	97,2
Total power input (Comp,+fans)	(1)	kW	9,12	10,1	8,35	11,5	12,3	13,7	16,2	18,0	20,0	23,3
EER (Indoor unit)	(1)	kW/kW	4,84	4,75	4,89	4,37	4,69	4,76	4,90	4,84	4,88	4,68
SHR	(2)	INVV/INVV	0,97	0.93	0,93	0.91	1.00	0.96	0.98	0.94	0.93	0,89
CHILLED WATER	(2)		0,37	0,95	0,93	0,31	1,00	0,30	0,30	0,54	0,93	0,09
Total cooling capacity gross	(3)	kW	45,6	46,0	49,9	55,5	65,3	67,3	101	101	116	116
Sensible cooling capacity gross	(3)	kW	45,6	44.9	48,2	55,2	63,2	65.4	95,3	95,3	108	108
SHR	(2)	1,00	1,00	0.98	0,97	0.99	0,97	0.97	0.94	0,98	0,93	0,93
Fluid flow	(3)	1,00 I/s	2,18	2,20	2,39	2,65	3,12	3,22	4,84	4,84	5,53	5,53
Total pressure drop (Coil + Valve)	(3)	kPa	18.7	19.0	27,4	33.1	15.7	16.6	38.8	38,8	49.3	49,3
EXCHANGERS	(3)	N a	10,7	19,0	21,4	55,1	15,7	10,0	30,0	30,0	43,3	43,3
Compressors nr,		Ν°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	l/s	2,46	2.70	2,27	2,86	3,25	3.66	4.41	4,88	5.46	6,18
Pressure drop	(1)	kPa	27,5	32,5	28.7	43,7	22,1	27,6	23.5	28,2	22,6	28,5
REFRIGERANT CIRCUIT	(1)	Nα	27,5	52,5	20,7	40,7	۷۷,۱	27,0	20,0	20,2	22,0	20,5
Compressors nr,		N°	1	1	2	2	2	2	2	2	2	2
No. Circuits		N°	1	i	2	2	2	2	2	2	2	2
Refrigerant charge		kg	'	"	2	_	2	2	2	2	2	2
FANS		Ng										
Fans type			EC FAN	EC FAN	EC FAN							
Quantity		Ν°	1	1	1	1	2	2	2	2	2	2
Air flow	(4)	m³/h	10800	10800	10000	12000	15000	15600	20000	20000	22000	22000
NOISE LEVEL	(-1)	111 711	10000	10000	10000	12000	10000	10000	20000	20000	22000	22000
Sound Power		dB(A)	74	74	75	76	71	73	75	75	78	78
Sound Pressure	(5)	dB(A)	57	57	58	59	54	56	57	57	60	60
SIZE AND WEIGHT	(0)	ab, y	0,	0,	00	00	01	00	0,	0,	00	00
A	(4)	mm	1630	1630	1955	1955	2198	2198	2499	2499	2899	2899
В	(4)	mm	930	930	930	930	930	930	930	930	930	930
Н	(4)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(4)	kg	617	617	769	769	844	844	906	906	1137	1137
vvoigni	(¬)	ng.	017	017	, 00	, 55	017	011	550	550	1101	1107

t-NEXT DF DW-UNDER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame			E1	E1	E1	E2	E2	E3	E3	E3	E4L	E4L	E4L
Power supply		V/ph/Hz	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE DIRECT EXPANSION													
DIRECT EXPANSION Total cooling capacity gross	(1)	kW	7,89	9,39	11,0	14,5	16,3	21,2	23,0	27,8	34,4	39,5	44,1
Sensible cooling capacity gross	(1)	kW	7,89	9,39	10,5	14,5	14,8	21,2	23,0	26,5	34,4	39,5	42,6
Total power input (Comp,+fans)	(1)	kW	1,47	1,84	2,35	2,99	3,44	4,14	5,03	6,16	6,87	8,43	9,12
EER (Indoor unit)	(1)	kW/kW	5,37	5,10	4,68	4,85	4,74	5,12	4,57	4,51	5,01	4,69	4,84
SHR Chilled Water	(2)		1,00	1,00	0,95	1,00	0,91	1,00	1,00	0,95	1,00	1,00	0,97
Total cooling capacity gross	(3)	kW	11,2	11,8	12,2	17,6	18,3	25,4	26,5	27,4	39,0	43,4	45,6
Sensible cooling capacity gross	(3)	kW	11,2	11,8	12,2	17,6	18,3	24,6	25,6	26,8	38,3	42,0	45,6
SHR	(2)		1,00	1,00	1,00	1,00	1,00	0,97	0,97	0,98	0,98	0,97	1,00
Fluid flow	(3)	I/s	0,54	0,57	0,58	0,84	0,88	1,21	1,27	1,31	1,86	2,07	2,18
Total pressure drop (Coil + Valve) EXCHANGERS	(3)	kPa	12,8	14,1	14,9	32,9	35,2	24,7	26,6	28,3	14,2	17,1	18,7
Capacitors nr.		Ν°	1	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	I/s	0,44	0,53	0,62	0,81	0,91	1,17	1,29	1,57	1,91	2,20	2,46
Pressure drop	(1)	kPa	22,1	30,9	25,5	20,4	25,4	20,8	24,6	18,9	27,3	35,4	27,5
REFRIGERANT CIRCUIT		NO	4		_	4	_	_	٠		4	4	
Compressors nr. No. Circuits		N° N°	1 1	1 1	1	1 1	1	1 1	1	1	1	1 1	1
Refrigerant charg		kg											1
FANS		.9											
Fans type			EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN
Quantity	(4)	N°	1	1	1	1	1	1	1	1	1	1,000	1
Air flow NOISE LEVEL	(4)	m³/h	2500	2700	2800	4000	4200	5700	6100	6400	8700	10000	10800
Sound Power		dB(A)	61	63	59	64	65	64	66	66	72	75	74
Sound Pressure	(5)	dB(A)	45	47	43	48	49	48	50	50	55	58	57
SIZE AND WEIGHT													
A	(4)	mm	650	650	650	785	785	1085	1085	1085	1630	1630	1630
B H	(4) (4)	mm mm	675 1925	675 1925	675 1925	675 1925	675 1925	775 1925	775 1925	775 1925	930 1980	930 1980	930 1980
Weight	(4)	kg	290	292	295	338	343	413	418	418	622	622	627
		-											
A NEVT DE DW LINDED			045 P4 C	020 B0 B	040 D0 D	055 D0 D	000 D0 D	075 D0 D	000 D0 D	000 D0 D	400 D0 D	447 D4 D	146 B4 B
t-NEXT DF DW-UNDER Frame			045 P1 S E4L	039 P2 D E5L	048 P2 D E5L	055 P2 D E6L	062 P2 D E6L	075 P2 D E7L	082 P2 D E7L	092 P2 D E8L	102 P2 D E8L	117 P4 D E9L	146 P4 D E9L
Frame Power supp l y		V/ph/Hz	E4L	E5L	E5L	E6L	E6L	E7L	E7L	E8L	E8L		E9L
Frame Power supply PERFORMANCE		V/ph/Hz	E4L	E5L	E5L	E6L	E6L	E7L	E7L	E8L	E8L	E9L	E9L
Frame Power supply PERFORMANCE DIRECT EXPANSION	(1)	·	E4L 400/3+N/50	E5L 400/3+N/50	E5L 400/3+N/50	E6L 400/3+N/50	E6L 400/3+N/50	E7L 400/3+N/50	E7L 400/3+N/50	E8L 400/3+N/50	E8L 400/3+N/50	E9L 400/3+N/50	E9L 400/3+N/50
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross	(1)	kW	E4L 400/3+N/50 48,0	E5L 400/3+N/50 40,8	E5L 400/3+N/50 50,3	E6L 400/3+N/50 57,7	E6L 400/3+N/50 65,2	E7L 400/3+N/50 79,4	E7L 400/3+N/50 87,2	E8L 400/3+N/50 97,5	E8L 400/3+N/50	E9L 400/3+N/50	E9L 400/3+N/50 157
Frame Power supply PERFORMANCE DIRECT EXPANSION	(1) (1) (1)	·	E4L 400/3+N/50	E5L 400/3+N/50	E5L 400/3+N/50	E6L 400/3+N/50	E6L 400/3+N/50	E7L 400/3+N/50	E7L 400/3+N/50	E8L 400/3+N/50	E8L 400/3+N/50	E9L 400/3+N/50	E9L 400/3+N/50
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit)	(1) (1) (1)	kW kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75	E5L 400/3+N/50 40,8 38,0 8,35 4,89	E5L 400/3+N/50 50,3 46,0 11,5 4,37	E6L 400/3+N/50 57,7 57,5 12,3 4,69	E6L 400/3+N/50 65,2 62,5 13,7 4,76	E7L 400/3+N/50 79,4 77,7 16,2 4,90	E7L 400/3+N/50 87,2 82,1 18,0 4,84	E8L 400/3+N/50 97,5 91,0 20,0 4,88	E8L 400/3+N/50 109 97,2 23,3 4,68	E9L 400/3+N/50 127 123 28,8 4,41	E9L 400/3+N/50 157 143 35,8 4,39
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR	(1) (1)	kW kW kW	E4L 400/3+N/50 48,0 44,8 10,1	E5L 400/3+N/50 40,8 38,0 8,35	E5L 400/3+N/50 50,3 46,0 11,5	E6L 400/3+N/50 57,7 57,5 12,3	E6L 400/3+N/50 65,2 62,5 13,7	E7L 400/3+N/50 79,4 77,7 16,2	E7L 400/3+N/50 87,2 82,1 18,0	E8L 400/3+N/50 97,5 91,0 20,0	E8L 400/3+N/50 109 97,2 23,3	E9L 400/3+N/50 127 123 28,8	E9L 400/3+N/50 157 143 35,8
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER	(1) (1) (1) (2)	kW kW kW kW/kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89	E9L 400/3+N/50 127 123 28,8 4,41 0,97	E9L 400/3+N/50 157 143 35,8 4,39 0,91
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR	(1) (1) (1) (2)	kW kW kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9	E5L 400/3+N/50 50,3 46,0 11,5 4,37	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3	E6L 400/3+N/50 65,2 62,5 13,7 4,76	E7L 400/3+N/50 79,4 77,7 16,2 4,90	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94	E8L 400/3+N/50 97,5 91,0 20,0 4,88	E8L 400/3+N/50 109 97,2 23,3 4,68	E9L 400/3+N/50 127 123 28,8 4,41	E9L 400/3+N/50 157 143 35,8 4,39
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross	(1) (1) (1) (2)	kW kW kW kW/kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116	E9L 400/3+N/50 127 123 28,8 4,41 0,97	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow	(1) (1) (1) (2) (3) (3) (2) (3)	kW kW kW kW/kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve)	(1) (1) (1) (2) (3) (3) (3) (2)	kW kW kW kW/kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS	(1) (1) (1) (2) (3) (3) (2) (3)	kW kW kW kW/kW kW kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr.	(1) (1) (1) (2) (3) (3) (2) (3) (3) (3)	kW kW kW kW/kW kW kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8	87,2 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS	(1) (1) (1) (2) (3) (3) (2) (3)	kW kW kW kW/kW kW kW	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT	(1) (1) (1) (2) (3) (3) (2) (3) (3) (3)	kW kW kW/kW kW/kW I/s kPa N° I/s kPa	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7	57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 1,00 6,95 42,4 1 7,16 34,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp.+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr.	(1) (1) (1) (2) (3) (3) (2) (3) (3) (3)	kW kW kW/kW kW/kW l/s kPa N° l/s kPa	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4 1 7,16 34,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp.,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits	(1) (1) (1) (2) (3) (3) (2) (3) (3) (3)	kW kW kW/kW kW/kW l/s kPa N° l/s kPa	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7	57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 1,00 6,95 42,4 1 7,16 34,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross Sensible cooling capacity gross SHR Huid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg	(1) (1) (1) (2) (3) (3) (2) (3) (3) (3)	kW kW kW/kW kW/kW l/s kPa N° l/s kPa	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4 1 7,16 34,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp.,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits	(1) (1) (1) (2) (3) (3) (2) (3) (3) (3)	kW kW kW/kW kW/kW l/s kPa N° l/s kPa	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4 1 7,16 34,4	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity	(1) (1) (1) (2) (3) (3) (2) (3) (3) (1) (1)	kW kW kW/kW kW/kW kW l/s kPa N° l/s kPa	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2 EC FAN 1	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2 EC FAN 2	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2 EC FAN 2	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 1,00 6,95 42,4 1 7,16 34,4 4 2 EC FAN 3	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity Air flow	(1) (1) (1) (2) (3) (3) (2) (3) (3) (3)	kW kW kW/kW kW/kW kW I/s kPa N° I/s kPa	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4 1 7,16 34,4 4 2	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity Air flow NOISE LEVEL	(1) (1) (1) (2) (3) (3) (2) (3) (3) (1) (1)	kW kW kW/kW kW kW L/s kPa N° L/s kPa N° kg N°	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2 EC FAN 1 10000	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2 EC FAN 1 12000	56L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2 EC FAN 2 15000	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2 EC FAN 2 20000	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2 EC FAN 2 22000	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 1,00 6,95 42,4 1 7,16 34,4 4 2 EC FAN 3 33100	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2 EC FAN 3 33100
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp.+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity Air flow NOISE LEVEL Sound Power	(1) (1) (1) (2) (3) (3) (2) (3) (3) (1) (1)	kW kW kW/kW kW/kW kW I/s kPa N° kPa N° kg	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1 EC FAN 1 10800	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2 EC FAN 1 10000 75	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2 EC FAN 1 12000	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2 EC FAN 2 15000	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2 EC FAN 2 15600	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2 EC FAN 2 20000	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2 EC FAN 2 20000	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2 EC FAN 2 22000	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2 EC FAN 2 22000	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 1,00 6,95 42,4 1 7,16 34,4 4 2 EC FAN 3 33100	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2 EC FAN 3 33100 81
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity Air flow NOISE LEVEL	(1) (1) (1) (2) (3) (3) (2) (3) (3) (1) (1)	kW kW kW/kW kW kW L/s kPa N° L/s kPa N° kg N°	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2 EC FAN 1 10000	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2 EC FAN 1 12000	56L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2 EC FAN 2 15000	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2 EC FAN 2 20000	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2 EC FAN 2 22000	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 1,00 6,95 42,4 1 7,16 34,4 4 2 EC FAN 3 33100	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2 EC FAN 3 33100
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity Air flow NOISE LEVEL Sound Power Sound Pressure SIZE AND WEIGHT	(1) (1) (1) (2) (3) (3) (2) (3) (3) (1) (1)	kW kW kW/kW kW/kW kW I/s kPa N° kPa N° kg	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1 EC FAN 1 10800	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2 EC FAN 1 10000 75	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2 EC FAN 1 12000 77 60 1955	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2 EC FAN 2 15000	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2 EC FAN 2 15600	F7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2 EC FAN 2 20000	87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2 EC FAN 2 20000	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2 EC FAN 2 22000	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2 EC FAN 2 22000	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 1,00 6,95 42,4 1 7,16 34,4 4 2 EC FAN 3 33100	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2 EC FAN 3 33100 81 63 3299
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity Air flow NOISE LEVEL Sound Power Sound Pressure SIZE AND WEIGHT A B	(1) (1) (1) (2) (3) (3) (2) (3) (3) (1) (1) (1)	kW kW kW kW/kW kW kW kW l/s kPa N° l/s kPa N° kg M³/h dB(A) dB(A) mm mm	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1 EC FAN 1 10800 74 57	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2 EC FAN 1 10000 75 58 1955 930	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2 EC FAN 1 12000 77 60 1955 930	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2 EC FAN 2 15000 72 55 2198 930	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2 EC FAN 2 15600 73 56 2198 930	E7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2 EC FAN 2 20000 75 57 2499 930	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2 EC FAN 2 20000 75 57 2499 930	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2 EC FAN 2 22000 79 61 2899 930	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2 EC FAN 2 22000 79 61 2899 930	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4 1 7,16 34,4 4 2 EC FAN 3 33100 81 63 3299 930	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2 EC FAN 3 33100 81 63 3299 930
Frame Power supply PERFORMANCE DIRECT EXPANSION Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR CHILLED WATER Total cooling capacity gross Sensible cooling capacity gross Sensible cooling capacity gross SHR Fluid flow Total pressure drop (Coil + Valve) EXCHANGERS Capacitors nr. Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charg FANS Fans type Quantity Air flow NOISE LEVEL Sound Power Sound Pressure SIZE AND WEIGHT	(1) (1) (1) (2) (3) (3) (2) (3) (3) (1) (1) (4)	kW kW kW/kW kW/kW kW kW l/s kPa N° kPa N° kg	E4L 400/3+N/50 48,0 44,8 10,1 4,75 0,93 46,0 44,9 0,98 2,20 19,0 1 2,70 32,5 1 1 EC FAN 1 10800 74 57	E5L 400/3+N/50 40,8 38,0 8,35 4,89 0,93 49,9 48,2 0,97 2,39 27,4 1 2,27 28,7 2 2 EC FAN 1 10000 75 58 1955	E5L 400/3+N/50 50,3 46,0 11,5 4,37 0,91 55,5 55,5 0,99 2,65 33,1 1 2,86 43,7 2 2 EC FAN 1 12000 77 60 1955	E6L 400/3+N/50 57,7 57,5 12,3 4,69 1,00 65,3 63,2 0,97 3,12 15,7 1 3,25 22,1 2 2 EC FAN 2 15000 72 55 2198	E6L 400/3+N/50 65,2 62,5 13,7 4,76 0,96 67,3 65,4 0,97 3,22 16,6 1 3,66 27,6 2 2 EC FAN 2 15600 73 56 2198	E7L 400/3+N/50 79,4 77,7 16,2 4,90 0,98 101 95,3 0,94 4,84 38,8 1 4,41 23,5 2 2 EC FAN 2 20000 75 57	E7L 400/3+N/50 87,2 82,1 18,0 4,84 0,94 101 95,3 0,94 4,84 38,8 1 4,88 28,2 2 2 EC FAN 2 20000 75 57	E8L 400/3+N/50 97,5 91,0 20,0 4,88 0,93 116 108 0,93 5,53 49,3 1 5,46 22,6 2 2 EC FAN 2 22000 79 61 2899	E8L 400/3+N/50 109 97,2 23,3 4,68 0,89 116 108 0,93 5,53 49,3 1 6,18 28,5 2 2 EC FAN 2 22000 79 61 2899	E9L 400/3+N/50 127 123 28,8 4,41 0,97 145 145 1,00 6,95 42,4 1 7,16 34,4 4 2 EC FAN 3 33100 81 63 3299	E9L 400/3+N/50 157 143 35,8 4,39 0,91 145 145 1,00 6,95 42,4 1 8,93 51,9 4 2 EC FAN 3 33100 81 63 3299

- 4 Unit in standard configuration/execution, without optional accessories.
- Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.

 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 7°C/12°C; ESP= 20Pa.

 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

The units highlighted in this publication contain HFC R410A [GWP $_{\tiny 100}$ 2088] fluorinated greenhouse gases.





t-NEXT FC DW Water Cooled Free Cooling Air Conditioners

FREE COOLING WATER COOLED

t-NEXT FC DW-OVER Frame Power supply		V/ph/Hz	007 P1 S E1 400/3+N/50	E1	011 P1 S E1 400/3+N/50	014 P1 S E2 400/3+N/50	E2	020 P1 S E3 400/3+N/50	022 P1 S E3 400/3+N/50	026 P1 S E3 400/3+N/50	032 P1 S E4L 400/3+N/50	037 P1 S E4L 400/3+N/50
PERFORMANCE DIRECT EXPANSION												
Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans)	(1) (1) (1)	kW kW kW	7,88 7,88 1,44	9,79 8,95 1,82	11,4 10,3 2,20	15,2 13,9 2,90	15,4 15,4 3,32	21,2 21,2 4,02	23,5 22,2 4,93	27,9 26,3 6,00	34,0 33,8 6,73	39,4 33,9 8,23
EER (Indoor unit) SHR	(1) (2)	kW/kW	5,47 1,00	5,38 0,91	5,18 0,90	5,24 0,91	4,64 1,00	5,27 1,00	4,77 0,94	4,65 1,00	5,05 0,99	4,79 0,99
FREECOOLING	(-)		.,,	0,0.	0,00	0,01	1,00	.,,	9,0 .	.,	0,00	0,00
FC total capacity FC sensible capacity SHR PLATE CAPACITOR	(3) (3) (2)	kW kW	9,20 9,20 1,00	10,1 10,1 1,00	10,6 10,6 1,00	15,1 15,1 1,00	15,7 15,7 1,00	21,4 21,4 1,00	22,5 22,5 1,00	24,2 24,2 1,00	33,2 33,2 1,00	37,5 37,5 1,00
Capacitors nr, Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT	(1) (1)	N° I/s kPa	1 0,44 22,1	1 0,55 33,2	1 0,64 27,2	1 0,85 21,9	1 0,88 23,4	1 1,17 20,9	1 1,32 25,7	1 1,57 18,9	1 1,89 26,7	1 2,20 35,1
Compressors nr, No, Circuits Refrigerant charge		N° N° kg	1 1 3,30	1 1 3,30	1 1 3,30	1 1 3,60	1 1 3,60	1 1 4,40	1 1 4,40	1 1 4,50	1 1 6,20	1 1 6,20
FANS Fans type Quantity Air flow	(4)	N° m³/h	EC FAN 1 2500	EC FAN 1 2700	EC FAN 1 2800	EC FAN 1 4000	EC FAN 1 4200	EC FAN 1 5700	EC FAN 1 6100	EC FAN 1 6400	EC FAN 1 8700	EC FAN 1 10000
NOISE LEVEL Sound Power Sound Pressure SIZE AND WEIGHT	(5)	dB(A) dB(A)	61 45	62 46	57 41	63 47	64 48	63 47	65 49	64 48	71 54	74 57
A B H Weight	(4) (4) (4) (4)	mm mm mm kg	650 675 1925 280	650 675 1925 282	650 675 1925 285	785 675 1925 328	785 675 1925 333	1085 775 1925 393	1085 775 1925 398	1085 775 1925 398	1630 930 1980 612	1630 930 1980 612
COUPLING UNIT EXTERNAL Standard dry cooler linked Voltage Quantity		V/ph/Hz N°										

t-NEXT FC DW-OVER			041 P1 S	045 P1 S	039 P2 D	048 P2 D	055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D
Frame			E4L	E4L	E5L	E5L	E6L	E6L	E7L	E7L	E8L	E8L
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
DIRECT EXPANSION												
Total cooling capacity gross	(1)	kW	44,1	48,0	40,8	51,1	59,2	65,2	79,4	87,2	99,7	112
Sensible cooling capacity gross	(1)	kW	42,6	44,8	38,0	46,1	56,1	62,5	77,7	82,1	90,9	97,9
Total power input (Comp,+fans)	(1)	kW	8,89	9,92	8,22	10,9	12,0	13,4	15,8	17,5	19,7	22,9
EER (Indoor unit)	(1)	kW/kW	4,96	4,84	4,96	4,69	4,93	4,87	5,03	4,98	5,06	4,89
SHR	(2)		0,97	0,93	0,93	0,90	0,95	0,96	0,98	0,94	0,91	0,87
FREECOOLING												
FC total capacity	(3)	kW	40,1	40,3	40,5	44,8	56,4	58,8	79,2	80,3	90,6	92,0
FC sensible capacity	(3)	kW	40,1	40,3	40,5	44,8	56,4	58,8	79,2	80,3	90,6	92,0
SHR	(2)		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
PLATE CAPACITOR												
Capacitors nr,		Ν°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	I/s	2,46	2,70	2,27	2,90	3,32	3,66	4,41	4,88	5,57	6,30
Pressure drop	(1)	kPa	27,5	32,5	28,7	44,7	23,2	27,6	23,5	28,2	23,5	29,6
REFRIGERANT CIRCUIT												
Compressors nr,		Ν°	1	1	2	2	2	2	2	2	2	2
No, Circuits		N°	1	1	2	2	2	2	2	2	2	2
Refrigerant charge		kg	9,30	9,30	9,70	9,70	11,0	11,4	17,8	17,8	19,1	19,1
FANS												
Fans type			EC FAN									
Quantity		Ν°	1	1	1	1	2	2	2	2	2	2
Air flow	(4)	m³/h	10800	10800	10000	11000	15000	15600	20000	20000	22000	22000
NOISE LEVEL												
Sound Power		dB(A)	75	75	75	75	71	73	75	75	78	78
Sound Pressure	(5)	dB(A)	58	58	58	58	54	56	57	57	60	60
SIZE AND WEIGHT												
A	(4)	mm	1630	1630	1955	1955	2198	2198	2499	2499	2899	2899
В	(4)	mm	930	930	930	930	930	930	930	930	930	930
H	(4)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(4)	kg	617	617	769	769	844	844	906	906	1137	1137
COUPLING UNIT EXTERNAL												
Standard dry cooler linked												
Voltage		V/ph/Hz										
		N°										

t-NEXT FC DW-UNDER			007 P1 S	009 P1 S	011 P1 S	014 P1 S	016 P1 S	020 P1 S	022 P1 S	026 P1 S	032 P1 S	037 P1 S	041 P1 S
Frame			E1	E1	E1	E2	E2	E3	E3	E3	E4L	E4L	E4L
Power supply		V/ph/Hz	400/3+N/50										
PERFORMANCE													
DIRECT EXPANSION	(4)	LAM	7.00	0.70	44.4	15.0	15.4	01.0	00.5	07.0	04.0	00.4	444
Total cooling capacity gross	(1)	kW kW	7,88 7.88	9,79 8.95	11,4 10.3	15,2 13.9	15,4 15,4	21,2 21.2	23,5 22,2	27,9 26,3	34,0 33.8	39,4 38.9	44,1 42.6
Sensible cooling capacity gross Total power input (Comp.+fans)	(1) (1)	kW	7,00 1,44	6,95 1,82	2,34	2,90	3,32	4,02	4,93	20,3 6.00	33,0 6.73	30,9 8,23	42,6 8,89
EER (Indoor unit)	(1)	kW/kW	5,47	5,38	4,87	5,24	4,64	5,27	4,93	4,65	5,05	4,79	4,96
SHR	(2)	IVAN/IVAN	1,00	0,91	0,90	0,91	1,00	1,00	0,94	0,94	0,99	0,99	0,97
FREECOOLING	(८)		1,00	0,01	0,30	0,51	1,00	1,00	0,54	0,54	0,55	0,55	0,37
FC total capacity	(3)	kW	9,20	10,1	10,6	15,1	15,7	21,4	22,5	24,2	33,2	37,5	40,1
FC sensible capacity	(3)	kW	9,20	10,1	10,6	15,1	15,7	21,4	22,5	24,2	33,2	37,5	40,1
SHR	(2)		1,00	1.00	1,00	1.00	1,00	1.00	1.00	1.00	1.00	1.00	1,00
PLATE CAPACITOR			,	,	•	,					,	,	,
Capacitors nr,		N°	1	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	l/s	0,44	0,55	0,64	0,85	0,88	1,17	1,32	1,57	1,89	2,20	2,46
Pressure drop	(1)	kPa	22,1	33,2	27,2	21,9	23,4	20,9	25,7	18,9	26,7	35,1	27,5
REFRIGERANT CIRCUIT													
Compressors nr,		Ν°	1	1	1	1	1	1	1	1	1	1	1
No, Circuits		N°	1	1	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	3,30	3,30	3,30	3,60	3,60	4,40	4,40	4,50	6,20	6,20	9,30
FANS			50.5411	E0 E111	50 544	50.5111	50 544	50.5111	50 544	50.544	50 544	50 544	50.544
Fans type		NO	EC FAN										
Quantity	(4)	N°	1	1	0000	1	1	1	1	1	1	1	1
Air flow NOISE LEVEL	(4)	m³/h	2500	2700	2800	4000	4200	5700	6100	6400	8700	10000	10800
Sound Power		dB(A)	61	62	58	64	65	64	66	66	72	75	75
Sound Pressure	(5)	dB(A)	45	46	42	48	49	48	50	50	52	58	58
SIZE AND WEIGHT	(0)	ub(A)	40	70	72	40	43	40	30	30	52	50	30
A	(4)	mm	650	650	650	785	785	1085	1085	1085	1630	1630	1630
В	(4)	mm	675	675	675	675	675	775	775	775	930	930	930
Н	(4)	mm	1925	1925	1925	1925	1925	1925	1925	1925	1980	1980	1980
Weight	(4)	kg	290	292	295	338	343	413	418	418	622	622	627
COUPLING UNIT EXTERNAL													
Standard dry cooler linked													
Voltage		V/ph/Hz											
Quantity		N°											

<u> </u>													
t-NEXT FC DW-UNDER			045 P1 S	039 P2 D		055 P2 D	062 P2 D	075 P2 D	082 P2 D	092 P2 D	102 P2 D	117 P4 D	146 P4 D
Frame			E4L	E5L	E5L	E6L	E6L	E7L	E7L	E8L	E8L	E9L	E9L
Power supply		V/ph/Hz	400/3+N/50										
PERFORMANCE													
DIRECT EXPANSION													
Total cooling capacity gross	(1)	kW	48,0	40,8	51,1	59,2	65,2	79,4	87,2	99,7	112	127	157
Sensible cooling capacity gross	(1)	kW	44,8	38,0	46,1	56,1	62,5	77,7	82,1	90,9	97,9	123	143
Total power input (Comp,+fans)	(1)	kW	9,92	8,22	10,9	12,0	13,4	15,8	17,5	19,7	22,9	28,0	34,9
EER (Indoor unit)	(1)	kW/kW	4,84	4,96	4,69	4,93	4,87	5,03	4,98	5,06	4,89	4,54	4,50
SHR	(2)		0,93	0,93	0,90	0,95	0,96	0,98	0,94	0,91	0,87	0,97	0,91
FREECOOLING													
FC total capacity	(3)	kW	40,3	40,5	44,8	56,4	58,8	79,2	80,3	90,6	92,0	124	128
FC sensible capacity	(3)	kW	40,3	40,5	44,8	56,4	58,8	79,2	80,3	90,6	92,0	124	128
SHR	(2)		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
PLATE CAPACITOR													
Capacitors nr,		N°	1	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	/s	2,70	2,27	2,90	3,32	3,66	4,41	4,88	5,57	6,30	7,16	8,93
Pressure drop	(1)	kPa	32,5	28,7	45,1	23,2	27,6	23,5	28,2	23,5	29,6	34,4	51,9
REFRIGERANT CIRCUIT													
Compressors nr,		N°	1	2	2	2	2	2	2	2	2	4	4
No, Circuits		N°	1	2	2	2	2	2	2	2	2	2	2
Refrigerant charge		kg	9,30	9,70	9,70	11,0	11,4	16,2	16,2	19,1	19,1	21,6	21,6
FANS		-											
Fans type			EC FAN										
Quantity		N°	1	1	1	2	2	2	2	2	2	3	3
Air flow	(4)	m³/h	10800	10000	11000	15000	15600	20000	20000	22000	22000	33100	33100
NOISE LEVEL													
Sound Power		dB(A)	75	75	76	72	73	75	75	79	79	81	81
Sound Pressure	(5)	dB(A)	58	58	59	55	56	57	57	61	61	63	63
SIZE AND WEIGHT	. ,												
A	(4)	mm	1630	1955	1955	2198	2198	2499	2499	2899	2899	3299	3299
В	(4)	mm	930	930	930	930	930	930	930	930	930	930	930
Н	(4)	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	(4)	kg	627	779	779	864	864	956	956	1197	1197	1395	1445
COUPLING UNIT EXTERNAL	(-)	- 19											
Standard dry cooler linked													
1/ 1													

Voltage Quantity

V/ph/Hz N°

- Notes:

 1 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.

 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Indoor air (in) 26°C R.H. 40%; Water (in) 10°C and water flow of DX mode; ESP = 20Pa.

 4 Unit in standard configuration/execution, without optional accessories.

 5 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

 The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.





i-NEXT DX Air Cooled Direct Expansion Air Conditioners with inverter technology



i-NEXT DX-OVER				018 M1 S	022 M1 S		042 M2 D	047 M1 S	068 M2 D	094 M2 D
Frame			E1	E2	E3	E4	E5	E5	E7	E8
Power supply		V/ph/Hz	400/3+N/50							
PERFORMANCE										
Total cooling capacity gross	(1)	kW	9,12	17,8	22,2	30,7	43,8	48,2	68,6	93,9
Sensible cooling capacity gross	(1)	kW	9,12	17,7	22,2	30,7	43,8	48,2	68,6	93,9
Total power input (Comp,+fans)	(1)	kW	2,12	4,80	6,01	7,73	11,5	12,9	17,7	25,1
EER (Indoor unit)	(1)	kW/kW	4,30	3,71	3,69	3,97	3,81	3,74	3,88	3,74
SHR	(2)		1,00	0,99	1,00	1,00	1,00	1,00	1,00	1,00
REFRIGERANT CIRCUIT										
Compressors nr,		N°	1	1	1	1	2	1	2	2
No, Circuits		Ν°	1	1	1	1	2	1	2	2
Refrigerant charge		kg	3,24	3,60	4,30	6,10	8,60	9,20	12,2	18,4
FANS										
Fans type			EC FAN							
Quantity		N°	1	1	1	1	1	1	2	2
Air flow	(3)	m³/h	2700	4100	5000	7500	12000	12000	17500	22000
NOISE LEVEL										
Sound Power		dB(A)	57	63	60	67	82	76	72	78
Sound Pressure	(4)	dB(A)	41	47	44	50	65	59	55	60
SIZE AND WEIGHT										
A	(3)	mm	650	785	1085	1305	1630	1630	2175	2499
В	(3)	mm	675	675	775	930	930	930	930	930
Н	(3)	mm	1925	1925	1925	1980	1980	1980	1980	1980
Weight	(3)	kg	210	240	320	430	565	480	650	805
COUPLING UNIT EXTERNAL		_								
Standard remote condenser linked										
Voltage										
Quantity		N°								
*										

- 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.
- 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.
- 3 Unit in standard configuration/execution, without optional accessories.
- 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

The units highlighted in this publication contain HFC R410A [GWP $_{100}$ 2088] fluorinated greenhouse gases

i-NEXT DX-UNDER			012 M1 S	018 M1 S			042 M2 D	047 M1 S	068 M2 D	094 M2 D	120 M4 D	150 M4 D
Frame			E1	E2	E3	E4	E5	E5	E7	E8	E9	E9
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
Total cooling capacity gross	(1)	kW	9,12	17,8	22,2	30,7	43,8	48,2	68,6	93,9	100	129
Sensible cooling capacity gross	(1)	kW	9,12	17,7	22,2	30,7	43,8	48,2	68,6	93,9	100	129
Total power input (Comp,+fans)	(1)	kW	2,12	4,81	6,01	7,73	11,7	12,9	17,7	25,1	28,3	38,7
EER (Indoor unit)	(1)	kW/kW	4,30	3,70	3,69	3,97	3,74	3,74	3,88	3,74	3,53	3,33
SHR	(2)		1,00	0,99	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
REFRIGERANT CIRCUIT												
Compressors nr,		N°	1	1	1	1	2	1	2	2	4	4
No, Circuits		N°	1	1	1	1	2	1	2	2	2	2
Refrigerant charge		kg	3,24	3,60	4,30	6,10	8,60	9,20	12,2	18,4	20,8	20,8
FANS												
Fans type			EC FAN									
Quantity		N°	1	1	1	1	1	1	2	2	3	3
Air flow	(3)	m³/h	2700	4100	5000	7500	12000	12000	17500	22000	28000	32000
NOISE LEVEL												
Sound Power		dB(A)	57	64	61	68	75	77	72	79	77	80
Sound Pressure	(4)	dB(A)	41	48	45	51	58	60	55	61	59	62
SIZE AND WEIGHT												
A	(3)	mm	650	785	1085	1305	1630	1630	2175	2499	2899	2899
В	(3)	mm	675	675	775	930	930	930	930	930	930	930
Н	(3)	mm	1925	1925	1925	1980	1980	1980	1980	1980	1980	1980
Weight	(3)	kg	220	250	330	440	575	490	705	865	985	1010
COUPLING UNIT EXTERNAL												
Standard remote condenser linked												
Voltage												
Quantity		N°										

Notes:

- 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa. 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.
- 3 Unit in standard configuration/execution, without optional accessories.
- 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated basedon the sound power level measured in accordance with ISO 3744.

The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.





i-NEXT DW Water Cooled Direct Expansion Air Conditioners with inverter technology





i-NEXT DW-OVER			012 M1 S	018 M1 S	022 M1 S	030 M1 S	042 M2 D	047 M1 S	068 M2 D	094 M2 D
Frame			E1	E2	E3	E4L	E5L	E5L	E7L	E8L
Power supply		V/ph/Hz	400/3+N/50							
PERFORMANCE										
Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR	(1) (1) (1) (1) (2)	kW kW kW kW/kW	9,73 9,72 1,77 5,50 1,00	19,2 17,8 4,24 4,53 0,93	23,9 22,3 5,32 4,49 0,93	32,6 31,2 6,77 4,82 0,96	46,2 45,1 10,6 4,36 0,98	50,9 48,0 11,7 4,35 0,94	72,3 69,8 15,7 4,61 0,97	99,5 92,6 22,3 4,46 0,93
PLATE CAPACITOR	()			.,	-,	.,	-,	-,-	-,	.,
Capacitors nr, Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT	(1) (1)	N° I /s kPa	1 0,54 21,0	1 1,10 30,9	1 1,38 29,4	1 1,85 17,2	1 2,63 18,0	1 2,90 40,5	1 4,12 22,2	1 5,68 26,4
Compressors nr,		N°	1	1	1	1	2	1	2	2
No, Circuits Refrigerant charge		N° kg	1 3,20	1 3,80	1 4,60	1 6,80	2 9,40	1 9,90	1 13,8	2 20,2
FANS										
Fans type Quantity Air flow	(3)	N° m³/h	EC FAN 1 2700	EC FAN 1 4100	EC FAN 1 5100	EC FAN 1 7500	EC FAN 1 12000	EC FAN 1 12000	EC FAN 2 17500	EC FAN 2 22000
NOISE LEVEL										
Sound Power Sound Pressure	(4)	dB(A) dB(A)	57 41	63 47	61 45	67 50	76 59	76 59	72 54	78 60
SIZE AND WEIGHT										
А В Н	(3) (3) (3)	mm mm mm	650 675 1925	785 675 1925	1085 775 1925	1630 930 1980	1955 930 1980	1955 930 1980	2499 930 1980	2899 930 1980
Weight	(3)	kg	230	280	325	480	610	580	730	900

- 1 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.
- 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.
- 3 Unit in standard configuration/execution, without optional accessories.
- 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.
- The units highlighted in this publication contain HFC R410A [GWP $_{100}$ 2088] fluorinated greenhouse gases.

i-NEXT DW-UNDER			012 M1 S	018 M1 S	000 M4 C	030 M1 S	042 M2 D	047 M1 S	068 M2 D	094 M2 D	120 M4 D	150 M4 D
Frame			E1	E2	E3	E4L	E5L	E5L	E7L	E8L	E9L	E9L
Power supply		V/ph/Hz			400/3+N/50		400/3+N/50	400/3+N/50		400/3+N/50		400/3+N/50
PERFORMANCE		v, prorie	100/01/100	100/01/14/00	100/0114/00	100/0114/00	100/01/14/00	100/0118/00	100/01/14/00	100/01/14/00	100/011100	100/01/14/00
Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit)	(1) (1) (1) (1)	kW kW kW kW/kW	9,73 9,72 1,77 5,50	19,2 17,8 4,24 4,53	23,9 22,3 5,32 4,49	32,6 31,2 6,77 4,82	46,2 45,1 10,6 4,36	50,9 48,0 11,7 4.35	72,3 69,8 15,7 4,61	99,5 92,6 22,3 4,46	117 114 27,2 4,30	141 133 32,8 4,30
SHR PLATE CAPACITOR	(2)		1,00	0,93	0,93	0,96	0,98	0,94	0,97	0,93	0,97	0,94
Capacitors nr, Condenser fluid flow Pressure drop REFRIGERANT CIRCUIT	(1) (1)	N° I/s kPa	1 0,54 21,0	1 1,10 30,9	1 1,38 29,4	1 1,85 17,2	1 2,63 18,0	1 2,90 40,5	1 4,12 22,2	1 5,68 26,4	1 6,64 29,6	1 8,09 42,9
Compressors nr, No, Circuits Refrigerant charge		N° N° kg	1 1 3,20	1 1 3,80	1 1 4,60	1 1 6,80	2 2 9,40	1 1 9,90	2 2 13,8	2 2 20,2	4 2 21,6	4 2 21,6
FANS Fans type Quantity Air flow	(3)	N° m³/h	EC FAN 1 2700	EC FAN 1 4100	EC FAN 1 5100	EC FAN 1 7500	EC FAN 1 12000	EC FAN 1 12000	EC FAN 2 17500	EC FAN 2 22000	EC FAN 3 32000	EC FAN 3 32000
NOISE LEVEL Sound Power Sound Pressure SIZE AND WEIGHT	(4)	dB(A) dB(A)	57 41	64 48	62 46	68 51	74 57	77 60	72 54	78 60	80 62	80 62
A B H Weight	(3) (3) (3) (3)	mm mm mm kg	650 675 1925 240	785 675 1925 290	1085 775 1925 345	1630 930 1980 490	1955 930 1980 620	1955 930 1980 590	2499 930 1980 785	2899 930 1980 960	3299 930 1980 1100	3299 930 1980 1125

- 1 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa.
- 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.

 3 Unit in standard configuration/execution, without optional accessories.
- 4 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated basedon the sound power level measured in accordance with ISO 3744.
- The units highlighted in this publication contain HFC R410A [GWP $_{100}$ 2088] fluorinated greenhouse gases.











i-NEXT DF DX Air Cooled Dual Fluid Air Conditioners with inverter technology

i-NEXT DF DX-OVER				018 M1 S	022 M1 S		042 M2 D		068 M2 D	094 M2 D
Frame			E1	E2	E3	E4	E5	E5	E7	E8
Power supply		V/ph/Hz	400/3+N/50							
PERFORMANCE										
DIRECT EXPANSION										
Total cooling capacity gross	(1)	kW	9,12	17,8	22,2	30,7	43,8	48,2	68,6	93,9
Sensible cooling capacity gross	(1)	kW	9,12	17,7	22,2	30,7	43,8	48,2	68,6	93,9
Total power input (Comp,+fans)	(1)	kW	2,14	4,95	6,05	7,75	11,5	13,0	17,8	25,1
EER (Indoor unit)	(1)	kW/kW	4,26	3,60	3,67	3,96	3,81	3,71	3,85	3,74
SHR	(2)		1,00	0,99	1,00	1,00	1,00	1,00	1,00	1,00
CHILLED WATER										
Total cooling capacity gross	(3)	kW	11,8	18,0	23,2	34,9	55,9	55,9	92,3	116
Sensible cooling capacity gross	(3)	kW	11,8	18,0	23,2	34,9	55,7	55,7	85,3	107
SHR	(2)		1,00	1,00	1,00	1,00	1,00	1,00	0,92	0,92
Fluid flow	(3)	l /s	0,57	0,86	1,11	1,67	2,67	2,67	4,42	5,55
Total pressure drop (Coil + Valve)	(3)	kPa	14,1	34,1	21,1	11,7	33,5	33,5	33,1	56,7
REFRIGERANT CIRCUIT										
Compressors nr,		Ν°	1	1	1	1	2	1	2	2
No, Circuits		Ν°	1	1	1	1	2	1	2	2
Refrigerant charge		kg								
FANS		_								
Fans type			EC FAN							
Quantity		N°	1	1	1	1	1	1	2	2
Air flow	(4)	m³/h	2700	4100	5100	7500	12000	12000	17500	22000
NOISE LEVEL										
Sound Power		dB(A)	58	64	61	68	82	76	72	78
Sound Pressure	(5)	dB(A)	42	48	45	51	65	59	55	60
SIZE AND WEIGHT										
A	(4)	mm	650	785	1085	1305	1630	1630	2175	2499
В	(4)	mm	675	675	775	930	930	930	930	930
Н	(4)	mm	1925	1925	1925	1980	1980	1980	1980	1980
Weight		kg	230	263	353	473	629	532	724	894
	` '									
Standard remote condenser linked										
Voltage										
		N°								
Weight COUPLING UNIT EXTERNAL Standard remote condenser linked Voltage Quantity	(4)	kg								

Notes:

- 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.
- 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.
- 3 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 7°C/12°C; ESP= 20Pa.
- 4 Unit in standard configuration/execution, without optional accessories.
- 5 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.
- The units highlighted in this publication contain HFC R410A [GWP₁₀₀ 2088] fluorinated greenhouse gases.



i-NEXT DF DX - UNDER			012 M1 S		022 M1 S		042 M2 D	047 M1 S	068 M2 D	094 M2 D	120 M4 D	150 M4 D
Frame			E1	E2	E3	E4	E5	E5	E7	E8	E9	E9
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
DIRECT EXPANSION												
Total cooling capacity gross	(1)	kW	9,12	17,8	22,2	30,7	43,8	48,2	68,6	93,9	111	134
Sensible cooling capacity gross	(1)	kW	9,12	17,7	22,2	30,7	43,8	48,2	68,6	93,9	111	134
Total power input (Comp,+fans)	(1)	kW	2,14	4,83	6,05	7,75	11,7	13,0	17,8	25,1	30,0	36,1
EER (Indoor unit)	(1)	kW/kW	4,26	3,69	3,67	3,96	3,74	3,71	3,85	3,74	3,70	3,71
SHR	(2)		1,00	0,99	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
CHILLED WATER												
Total cooling capacity gross	(3)	kW	11,8	18,0	23,2	34,9	55,9	55,9	92,3	116	141	141
Sensible cooling capacity gross	(3)	kW	11.8	18,0	23,2	34,9	55,7	55,7	85,3	107	141	141
SHR	(2)		1,00	1,00	1,00	1,00	1,00	1.00	0,92	0,92	1,00	1,00
Fluid flow	(3)	l/s	0,57	0,86	1,11	1,67	2,67	2,67	4,42	5,55	6,75	6,75
Total pressure drop (Coil + Valve)	(3)	kPa	14,1	34,1	21,1	11,7	33,5	33,5	33,1	56,7	40.5	40,4
REFRIGERANT CIRCUIT				,	,	· ·		•	,		· ·	
Compressors nr,		N°	1	1	1	1	2	1	2	2	4	4
No. Circuits		N°	1	1	1	1	2	1	2	2	2	2
Refrigerant charge		kg										
FANS		9										
Fans type			EC FAN									
Quantity		Ν°	1	1	1	1	1	1	2	2	3	3
Air flow	(4)	m³/h	2700	4100	5100	7500	12000	12000	17500	22000	32000	32000
NOISE LEVEL	('/		2,00		0.00	1000	12000	12000		22000	02000	02000
Sound Power		dB(A)	58	64	62	69	75	77	72	79	80	80
Sound Pressure	(5)	dB(A)	42	48	46	52	58	60	55	61	62	62
SIZE AND WEIGHT	(0)	ab ₍ ,)	12	10	10	02	00	00	00	01	02	0L
A	(4)	mm	650	785	1085	1305	1630	1630	2175	2499	2899	2899
В	(4)	mm	675	675	775	930	930	930	930	930	930	930
Н	(4)	mm	1925	1925	1925	1980	1980	1980	1980	1980	1980	1980
Weight	(4)	kg	240	273	363	483	639	542	779	954	1110	1135
COUPLING UNIT EXTERNAL	('')	1.9	210	210	000	100	000	012	7.70	001	1110	1100
Standard remote condenser linked												
Voltage												
Quantity		N°										
Quantity		IN										

- 1 Indoor conditions (in) 26°C R.H. 40%; Condensing temperature 45°C; ESP= 20Pa.
- 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross.
 3 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 7°C/12°C; ESP= 20Pa.
- 4 Unit in standard configuration/execution, without optional accessories.
- 5 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

The units highlighted in this publication contain HFC R410A [GWP $_{100}$ 2088] fluorinated greenhouse gases.











i-NEXT DF DW Water Cooled Dual Fluid Air Conditioners with inverter technology

i-NEXT DF DW OVER			012 M1 S		022 M1 S	030 M1 S	042 M2 D	047 M1 S		094 M2 D
Frame			E1	E2	E3	E4L	E5L	E5L	E7L	E8L
Power supply		V/ph/Hz	400/3+N/50							
PERFORMANCE										
DIRECT EXPANSION	(4)	1.147	0.70	400	00.0	00.0	40.0	50.0	70.0	00.5
Total cooling capacity gross	(1)	kW	9,73	19,2	23,9	32,6	46,2	50,9	72,3	99,5
Sensible cooling capacity gross	(1)	kW kW	9,72 1,72	17,8	22,3	31,2	45,1	48,0	69,8	92,6
Total power input (Comp,+fans)	(1)	kW/kW	5,66	4,26 4,51	5,42 4,41	6,79 4,80	10,7 4,32	11,9	15,8 4,58	22,8
EER (Indoor unit) SHR	(1) (2)	KVV/KVV	1,00	0,93	0,93	0,96	4,32 0,98	4,28 0,94	4,58 0.97	4,36 0,93
CHILLED WATER	(2)		1,00	0,93	0,93	0,90	0,96	0,94	0,97	0,93
Total cooling capacity gross	(3)	kW	13,3	19,8	25,6	38,7	61,4	61,4	97,9	123
Sensible cooling capacity gross	(3)	kW	10,2	17,3	22,5	33,3	50,0	50,0	79,9	97,1
SHR	(2)	ICVV	0,77	0,87	0,88	0,86	0,81	0,81	0,82	0,79
Fluid flow	(3)	l /s	0,63	0,95	1,22	1,85	2,94	2,94	4,68	5,88
Total pressure drop (Coil + Valve)	(3)	kPa	17,3	40,5	25,2	14,0	39,7	39,7	36,8	62,7
EXCHANGERS	(0)		,0	10,0	20,2	,0	00,1	55,	55,5	02,1
Capacitors nr.		Ν°	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	l /s	0,54	1,10	1,38	1,85	2,63	2,90	4,12	5,68
Pressure drop	(1)	kPa	21,0	30,9	29,4	17,2	18,0	40,5	22,2	26,4
REFRIGERANT CIRCUIT										
Compressors nr,		Ν°	1	1	1	1	2	1	2	2
No, Circuits		N°	1	1	1	1	2	1	1	2
Refrigerant charge		kg								
FANS										
Fans type			EC FAN							
Quantity		N°	1	1	1	1	1	1	2	2
Air flow	(4)	m³/h	2700	4100	5100	7500	12000	12000	17500	22000
NOISE LEVEL		15.41				.=	=0	70	70	=-
Sound Power	(5)	dB(A)	57	63	61	67	76	76	72	78
Sound Pressure	(5)	dB(A)	41	47	45	50	59	59	54	60
SIZE AND WEIGHT	(4)	200.000	CEO	705	1005	1000	1055	1055	0.400	0000
A	(4)	mm	650 675	785 675	1085	1630 930	1955	1955	2499 930	2899 930
В	(4)	mm	675 1925	675 1925	775 1925	1980	930 1980	930 1980	930 1980	1980
Weight	(4) (4)	mm kg	230	1925 280	325	480	610	580	730	900
weight	(4)	ĸy	230	200	323	400	010	500	730	900

¹ Indoor conditions (in) 26°C - R.H. 40%; Water temperature (in/out) $30^{\circ}\text{C}/35^{\circ}\text{C}$; ESP= 20Pa.

² SHR = Sensible cooling capacity gross / Total cooling capacity gross. 3 Indoor conditions (in) 26°C - R.H. 40%; Water temperature (in/out) 7°C/12°C; ESP= 20Pa.

⁴ Unit in standard configuration/execution, without optional accessories.

⁵ Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

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NEVT DE DW LINDED			040 144 0	040 144 0	000 144 0	000 144 0	040 140 0	047.04.0	000 MO D	004 140 D	400 M4 D	450 144 5
-NEXT DF DW UNDER rame			012 M1 S E1	018 M1 S	022 M1 S E3	030 M1 S E4L	042 M2 D E5L	047 M1 S E5L	068 M2 D E7L	094 M2 D E8L	120 M4 D E9L	150 M4 D E9L
rame 'ower supply		V/ph/Hz	400/3+N/50				400/3+N/50					400/3+N/50
ERFORMANCE		v/pii/iiz	400/0114/00	400/011 1/ 00	400/3/11//30	400/0114/00	400/0111/00	400/0114/00	400/0114/00	400/0114/00	400/0111/00	400/0114/00
IRECT EXPANSION												
otal cooling capacity gross	(1)	kW	9,73	19,2	23,9	32,6	46,2	50,9	72,3	99,5	117	141
ensible cooling capacity gross	(1)	kW	9,72	17,8	22,3	31,2	45,1	48,0	69,8	92,6	114	133
otal power input (Comp,+fans)	(1)	kW	1,72	4,37	5,34	6,79	10,7	11,7	15,8	22,8	27,0	32,8
ER (Indoor unit)	(1)	kW/kW	5,66	4,39	4,48	4,80	4,32	4,35	4,58	4,36	4,33	4,30
HR	(2)		1,00	0,93	0,93	0,96	0,98	0,94	0,97	0,93	0,97	0,94
HILLED WATER												
otal cooling capacity gross	(3)	kW	13,3	19,8	25,6	38,7	61,4	61,4	97,9	123	150	150
ensible cooling capacity gross	(3)	kW	10,2	17,3	22,5	33,3	50,0	50,0	79,9	97,1	128	128
HR	(2)	.,	0,77	0,87	0,88	0,86	0,81	0,81	0,82	0,79	0,85	0,85
luid flow	(3)	I/s	0,63	0,95	1,22	1,85	2,94	2,94	4,68	5,88	7,17	7,17
otal pressure drop (Coil + Valve)	(3)	kPa	17,3	40,5	25,2	14,0	39,7	39,7	36,8	62,7	45,0	45,0
XCHANGERS apacitors nr.		N°	1	4	1	1	1	1	1	1	1	1
condenser fluid flow	(1)	I/s	0.54	1.10	1,38	1,85	2,63	2,90	4.12	5,68	6,64	8,09
ressure drop	(1)	kPa	20.8	30.9	29.4	17.2	18.0	40.5	22.2	26.4	29.6	42,9
EFRIGERANT CIRCUIT	(1)	NI a	20,0	30,9	23,4	17,2	10,0	40,5	22,2	20,4	29,0	42,3
ompressors nr.		N°	1	1	1	1	2	1	2	2	4	4
lo. Circuits		N°	1	1	1	1	2	1	2	2	2	2
efrigerant charge		kg	•	'	·		_	•	_	_	_	_
ANS												
ans type			EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN	EC FAN
luantity		N°	1	1	1	1	1	1	2	2	3	3
ir flow	(4)	m³/h	2700	4100	5100	7500	12000	12000	17500	22000	32000	32000
IOISE LEVEL												
ound Power		dB(A)	57	65	62	68	74	77	72	78	80	80
ound Pressure	(5)	dB(A)	41	49	46	51	57	60	54	60	62	62
IZE AND WEIGHT												
	(4)	mm	650	785	1085	1630	1955	1955	2499	2899	3299	3299
	(4)	mm	675	675	775	930	930	930	930	930	930	930
<u> </u>	(4)	mm	1925	1925	1925	1980	1980	1980	1980	1980	1980	1980
Veight	(4)	kg	240	290	345	490	620	590	785	960	1100	1125

- 1 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa. 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross. 3 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 7°C/12°C; ESP= 20Pa.

- 4 Unit in standard configuration/execution, without optional accessories.
- 5 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

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₩ WATER COOLED

i-NEXT FC DW Water Cooled Free Cooling Air Conditioners with inverter technology

i-NEXT FC DW- OVER			012 M1 S	018 M1 S	022 M1 S	030 M1 S	042 M2 D	047 M1 S	068 M2 D	094 M2 D
Frame			E1	E2	E3	E4L	E5L	E5L	E7L	E8L
Power supply		V/ph/Hz	400/3+N/50	400/3+N/50	400/3+N/50		400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50
PERFORMANCE										
DIRECT EXPANSION										
Total cooling capacity gross Sensible cooling capacity gross Total power input (Comp,+fans) EER (Indoor unit) SHR	(1) (1) (1) (1) (2)	kW kW kW kW/kW	9,73 9,72 1,77 5,50 1,00	19,2 17,8 4,24 4,53 0,93	23,9 22,3 5,32 4,49 0,93	32,6 31,2 6,77 4,82 0,96	46,2 45,1 10,6 4,36 0,98	50,9 48,0 11,7 4,35 0,94	72,3 69,8 15,7 4,61 0,97	99,5 92,6 22,3 4,46 0,93
FREECOOLING										
FC total capacity FC sensible capacity SHR	(3) (3) (2)	kW kW	10,0 10,0 1,00	15,9 15,9 1,00	20,2 20,2 1,00	29,7 29,7 1,00	46,6 46,6 1,00	47,8 47,8 1,00	71,2 71,2 1,00	90,9 90,9 1,00
PLATE CAPACITOR										
Capacitors nr, Condenser fluid flow Pressure drop	(1) (1)	N° I ∕s kPa	1 0,54 21,0	1 1,10 30,9	1 1,38 29,4	1 1,85 17,2	1 2,63 18,0	1 2,90 40,5	1 4,12 22,2	1 5,68 26,4
REFRIGERANT CIRCUIT										
Compressors nr, No, Circuits Refrigerant charge		N° N° kg	1 1 3,20	1 1 3,80	1 1 4,60	1 1 6,80	2 2 9,40	1 1 9,90	3 1 13,8	2 2 20,2
FANS										
Fans type Quantity Air flow	(4)	N° m³/h	EC FAN 1 2700	EC FAN 1 4100	EC FAN 1 5100	EC FAN 1 7500	EC FAN 1 12000	EC FAN 1 12000	EC FAN 2 17500	EC FAN 2 22000
NOISE LEVEL Sound Power		dD(A)	57	63	61	67	76	76	72	78
Sound Power Sound Pressure SIZE AND WEIGHT	(5)	dB(A) dB(A)	41	63 47	45	50	76 59	59	54	60
A	(4)	mm	650	785	1085	1630	1955	1955	2499	2899
A B H Weight	(4) (4) (4) (4)	mm mm kg	675 1925 250	675 1925 293	775 1925 358	930 1980 523	930 1980 674	930 1980 632	930 1980 805	930 1980 979
COUPLING UNIT EXTERNAL	(¬)	Ng	200	200	000	020	017	002	000	373
Standard dry cooler linked Voltage Quantity		V/ph/Hz N°								

¹ Indoor conditions (in) 26° C - R.H. 40%; Water temperature (in/out) 30° C/ 35° C; ESP= 20Pa.

² SHR = Sensible cooling capacity gross / Total cooling capacity gross.

³ Indoor air (in) 26° C - R.H. 40%; Water (in) 10° C and water flow of DX mode; ESP = 20Pa.

⁴ Unit in standard configuration/execution, without optional accessories.

⁵ Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

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-NEXT FC DW-UNDER					022 M1 S	030 M1 S			068 M2 D	094 M2 D	120 M4 D	150 M4 D
Frame			E1	E2	E3	E4L	E5L	E5L	E7L	E8L	E9L	E9L
Power supply		V/ph/Hz	400/3+N/50									
PERFORMANCE												
DIRECT EXPANSION												
Total cooling capacity gross	(1)	kW	9,73	19,2	23,9	32,6	46,2	50,9	72,3	99,5	117	141
Sensible cooling capacity gross	(1)	kW	9,72	17,8	22,3	31,2	45,1	48,0	69,8	92,6	114	133
Total power input (Comp,+fans)	(1)	kW	1,77	4,24	5,32	6,77	10,6	11,7	15,7	22,3	27,2	32,8
EER (Indoor unit)	(1)	kW/kW	5,50	4,53	4,49	4,82	4,36	4,35	4,61	4,46	4,30	4,30
SHR	(2)		1,00	0,93	0,93	0,96	0,98	0,94	0,97	0,93	0,97	0,94
FREECOOLING												
FC total capacity	(3)	kW	10,0	15,9	20,2	29,7	47,2	47,8	71,2	90,9	120	124
FC sensible capacity	(3)	kW	10,0	15,9	20,2	29,7	47,2	47,8	71,2	90,9	120	124
SHR	(2)		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1.00	1,00	1,00
PLATE CAPACITOR												
Capacitors nr.		N°	1	1	1	1	1	1	1	1	1	1
Condenser fluid flow	(1)	/s	0,54	1.10	1,38	1,85	2,63	2,90	4,12	5,68	6.64	8,09
Pressure drop	(1)	kPa	20,8	30,9	29,4	17,2	18.0	40,5	22,2	26,4	29,6	42,9
REFRIGERANT CIRCUIT	. ,		,	Í	,	,	·	Ť		,		,
Compressors nr.		N°	1	1	1	1	2	1	2	2	4	4
No. Circuits		Ν°	1	1	1	1	2	1	2	2	2	2
Refrigerant charge		kg	3,20	3,80	4,60	6.80	9.40	9,90	13.8	20.2	21,6	21.6
FANS		9	-,	0,00	.,	0,00	0,10	0,00		,_		,-
Fans type			EC FAN									
Quantity		Ν°	1	1	1	1	1	1	2	2	2	2
Air flow	(4)	m³/h	2700	4100	5100	7500	12000	12000	17500	22000	32000	32000
NOISE LEVEL	(-)											
Sound Power		dB(A)	57	64	62	68	74	77	72	78	80	80
Sound Pressure	(5)	dB(A)	41	48	46	51	57	60	54	60	62	62
SIZE AND WEIGHT	(0)	450,9				0.	0.		· ·	00	02	02
Α	(4)	mm	650	785	1085	1630	1955	1955	2499	2899	3299	3299
B	(4)	mm	675	675	775	930	930	930	930	930	930	930
H	(4)	mm	1925	1925	1925	1980	1980	1980	1980	1980	1980	1980
Weight	(4)	kg	260	313	378	533	684	642	859	1049	1225	1250
COUPLING UNIT EXTERNAL	(¬)	Νg	200	010	0/0	000	004	072	000	1043	1220	1200
Standard dry cooler linked												
Voltage		V/ph/Hz										
voltago		N°										

Notes:

- 1 Indoor conditions (in) 26°C R.H. 40%; Water temperature (in/out) 30°C/35°C; ESP= 20Pa. 2 SHR = Sensible cooling capacity gross / Total cooling capacity gross. 3 Indoor air (in) 26°C R.H. 40%; Water (in) 10°C and water flow of DX mode; ESP = 20Pa.

- 4 Unit in standard configuration/execution, without optional accessories.

 5 Average sound pressure level, at a distance of 1m, for units in a free field on a reflecting surface. The average sound pressure level is calculated based on the sound power level measured in accordance with ISO 3744.

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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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