

Precision Air Conditioning

INNOV@ ENERGY INVERTER

3 to 90 kW

CLOSE CONTROL UNITS



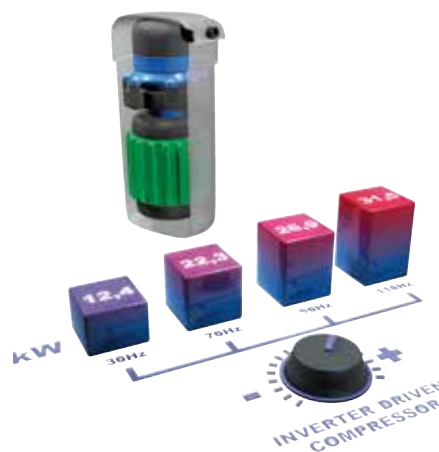
Close control air conditioning units with modulating cooling capacity.

The **e-Drive** technology used in the unit optimises the cooling capacity through fans and compressors, especially in extreme-density environments. Thanks to modulation of the cooling capacity from 25 to 100%, combined with the rapid reaction to load variation [6 Hz/second], energy consumption is reduced compared to traditional technologies, reaching values of up to 45% and promoting the energy efficiency of this unit.

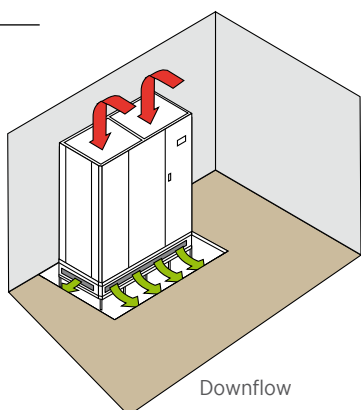
Improved energy efficiency, smaller dimensions and lower noise levels were LENNOX's objectives when developing this product. Units designed to operate 24 hours a day, 365 days a year in cooling.

The main components are accessible from the front of the unit with the aim of reducing installation and maintenance costs: switchboard, compressor, fans, humidifiers, electrical resistors, expansion valve and liquid filter, guaranteeing quick, safe servicing.

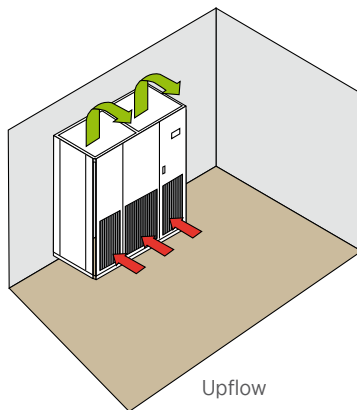
The **quality of the latest-technology components** makes the Innov@ series an example of maximum efficiency and reliability. Technical specifications, such as electronic expansion valves, radial fans with inverted blades and electronically commutated (EC) DC motors offer energy saving opportunities.



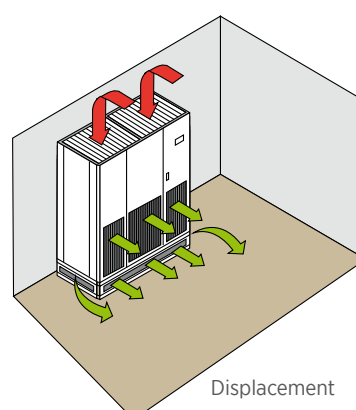
AVAILABLE CONFIGURATIONS



Downflow



Upflow



Displacement

ENERGY INVERTER range
INNOV@ DX Air-condensed and water-condensed

INNOV@ ENERGY INVERTER-R410A	0091	0131	0201	0251	0301	0381	0441	0501	0551	0641	0701	0801	0852	0962	1003	1103	
Air temperature 24°C; Relative humidity 50% / External air temperature 35°C																	
Total Cooling capacity	kw	9,3	12,3	19,8	23,8	31,3	38,1	44	47,7	56,8	58,2	73,8	77,3	81,4	93,3	109,2	127
SHR		0,9	0,9	1,0	1,0	1,0	1,0	0,9	1,0	0,9	1,0	0,9	1,0	1,0	0,9	0,9	0,8
EER		3,7	3,7	4	4	4,2	3,9	3,5	3,9	3,8	3,8	3,7	3,8	4,2	4,1	4,1	3,6
Total absorbed power	kw	2,7	3,7	6,2	7,2	9,3	11,6	14,5	14,5	17,2	18	23,8	25,1	25,2	28,6	32,8	41,1
Total absorbed current	A	4,3	5,9	9,9	11,5	14,9	18,6	23,3	23,2	27,6	28,9	38,1	40,3	40,4	45,9	52,6	65,9
Air temperature 30°C; Relative humidity 35% / External air temperature 35°C																	
Total Cooling capacity	kw	9,9	13,9	22,5	27	35,5	43,2	48,7	53,7	62,8	65,6	81,9	87,3	92	104,1	119	135,7
SHR		1,0															
EER		3,9	4,1	4,4	4,4	4,7	4,3	3,7	4,2	4,1	4,2	4	4,2	4,7	4,4	4,4	3,8
Total absorbed power	kw	2,7	3,8	6,3	7,4	9,4	11,8	15,1	15	17,5	18,4	24,5	25,9	25,6	29,3	33,1	41,7
Total absorbed current	A	4,3	6	10,1	11,8	15,1	18,9	24,2	24,1	28,1	29,5	39,3	41,6	41,1	46,9	53,1	66,9
Nominal airflow	m ³ /h	2150	3700	8800	8800	11720	11720	11720	14300	14300	17500	19900	23700	25300	25300	25300	25300
Lp @ Nominal rpm; dist.=2 m Q=2	dB(A)	50	54	70	70	71	74	74	75	77	77	76	76	76	76	77	77
Frame		F1	F2	F1		F2		F3		F4		F5					
Length	mm	600	900	1010		1270		1760		2020		2510					
Height Downflow/Upflow	mm	1875		2000													
Height displacement	mm	2125		2000													
Depth	mm	600		890													
Power supply	V/ph/Hz	400 / 3+N / 50															

AVAILABLE ACCESSORIES

- Dual fluid
- Potential-free contacts for any alarms
- Water leak detection kit
- Flash memory
- Humidification and dehumidification
- Heat input by resistors, water coil or hot gas coil
- Different filtration levels
- Condensation control
- Different communication protocols
- Direct free-cooling
- Low noise level in internal and external unit



CONTROL



The microprocessor control, available in the basic or advanced graphic version, manages all of the functions of the Innov@ series. This control provides the **opportunity to connect up to 8 units together** to create a local network (LAN) that, amongst other things, helps to balance run times automatically using a rotation function. The microprocessor controls are shown on an LCD (basic version) or graphic (advanced version) screen and are compatible with a wide range of protocols.