

NEXYA S4 E COMMERCIAL

Energy efficient inverter air conditioners.

DUCT



CASSETTE



CEILING



FEATURES

Energy-efficient inverter technology with low GWP R32 refrigerant

Combinations

Flexibility and of combination and installation: Duct, Cassette and Ceiling

Remote ON-OFF

All units in the commercial line are equipped with terminals for remote on/off control of the unit via an external device

Alarm contact

Commercial line units have a contact that makes it possible to synchronise the alarm condition of the product with an external device.

Hydrophilic Aluminium coating

Suitable for installations in coastal areas or in particularly humid areas, thanks to its excellent anti-corrosion performance. With equivalent environmental conditions, the new coating of the condensers guarantees them a longevity exceeding 7 times that of the traditional models.

		ODU Nexya S4 E Commercial 18	ODU Nexya S4 E Commercial 24	ODU Nexya S4 E Commercial 36	ODU Nexya S4 E Commercial 36 T	ODU Nexya S4 E Commercial 48 T	
OUTDOOR UNIT CODE		OS-CECIH18EI	OS-CECIH24EI	OS-CECIH36EI	OS-CECIH36EI	OS-CECIH48EI	
EAN CODE		8021183115925	8021183115932	8021183115956	8021183116168	8021183116175	
Electrical power supply		V/Ph/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	380-415 / 3 / 50	
Outdoor unit	Dimensions (LxDxH)	mm	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333
	Weight (without packaging)	kg	33,7	49,4	66,8	81,5	106,7
	Dimensions (with packaging) (LxDxH)	mm	920x390x615	965x395x755	1090x500x875	1090x500x875	1090x495x1480
	Gross weight	kg	36,6	55,2	73,4	87	119,9
	Air flow rate	m³/h	2000	2700	4000	4000	7500
	Sound pressure (max)	dB(A)	55	62	65	64	66
	Sound power level Max (EN 12102)	dB(A)	62	65	67	68	72
	Compressor Type		rotary	rotary	rotary	rotary	rotary
Dimensions and limitations of the cooling circuit	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
	Diameter of tube in gas connection line	inch - mm	1/2" - 12,7	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9
	Covered piping length from pre-load	m	5	5	5	5	5
	Piping recommended minimum length	m	3	3	3	3	3
	Piping Equivalent length (max)	m	30	50	65	65	65
	Increase of Refrigerant	g/m	12	24	24	24	24
Refrigerant fluid	Maximum difference in level	m	20	25	30	30	30
	Refrigerant gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
	Refrigerant gas charge	kg	1,15	1,50	2,40	2,40	2,80
Electrical connections	Maximum applied pressure high pressure side/low pressure side	MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Power supply connection	n° conductor	3 x 2,5mm ²	3 x 2,5mm ²	3 x 2,5mm ²	3 x 2,5mm ²	3 x 2,5mm ²
	Indoor - Outdoor unit connection	n° conductor	4 x 1mm ²	4 x 1mm ²	4 x 1mm ²	4 x 1mm ²	4 x 1mm ²
	Max Power absorption	W	2950	2950	4700	5600	6200
Operational limits	Max Current consumption	A	13,5	13,5	21,5	10,0	11,2
	Outdoor temperature in cooling (Min-Max)	°C B.S.	- / +50	- / +50	- / +50	- / +50	- / +50
	Outdoor temperature in heating (Min-Max)	°C B.U.	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.

Indoor Units Duct



HIGH HEAD

Ducted indoor unit with static pressure available up to 160 Pa.



SLIM DESIGN

The range is characterised by its small dimensions (Height from 210 mm)



AUTOMATIC SETTING OF THE AIR FLOW RATE

In order to automatically adapt the system depending on the ducts connected to the unit.



FEATURES

Flush-mounted wall remote control including

Excellent performance and high efficiency with low air flow resulting in noise reduction.

Automatic setting of the air flow rate

Innovative function for automatic setting of the air flow rate, so that the system is automatically adapted according to the ducts connected to the unit.

Reversible Air Recovery

The air recovery duct can be moved from the back of the product (standard configuration) to the lower part of the product, replacing it with a sheet metal panel. This will make the product suitable for any installation condition.

Outlet for the introduction of fresh air

The indoor units of the commercial line are equipped with specific outlets for the introduction of fresh air or outdoor air to the product.

Condensate Lift Pump

The indoor units are equipped with a lift pump for the condensation liquid.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Sleep function:** gradually increases the set temperature and ensures reduced noise for better night-time well-being.

		IDU Nexya S4 E Duct 18	IDU Nexya S4 E Duct 24	IDU Nexya S4 E Duct 36	IDU Nexya S4 E Duct 36 (ODU Three Phase)	IDU Nexya S4 E Duct 48 (ODU Three Phase)	
INDOOR UNIT CODE		OS-SEDIH18E1	OS-SEDIH24E1	OS-SEDIH36E1	OS-SEDIH36E1	OS-SEDIH48E1	
INDOOR UNIT EAN CODE		8021183115963	8021183116120	8021183115970	8021183115970	8021183116076	
OUTDOOR UNIT CODE		OS-CECIH18E1	OS-CECIH24E1	OS-CECIH36E1	OS-CECIH36E1	OS-CECIH48E1	
Cooling	Supply voltage indoor unit	V/Ph/Hz	One Phase 220-240 /1 / 50	One Phase 220-240 /1 / 50	One Phase 220-240 /1 / 50	One Phase 220-240 /1 / 50	
	Supply voltage outdoor unit	V/Ph/Hz	One Phase 220-240 /1 / 50	One Phase 220-240 /1 / 50	One Phase 220-240 /1 / 50	Three Phase 380-415 / 3 / 50	
Cooling	Capacity (min / rated / max)	kW	2,55-5,28-5,69	3,28-7,03-8,16	4,04-10,55-12,02	4,04-10,55-12,02	4,26-14,07-15,19
	Absorbed power (min/rated/max)	W	710-1633-1900	750-2190-2960	902-4000-4900	890-4100-4980	1170-5150-5699
	Current consumption	A	3,2-7,2-8,3	4,2-10,2-13,2	4,2-17,5-19,6	1,4-6,5-8,2	1,8-8,3-9,4
	Theoretical Load (PdesignC)	kW	5,3	7,0	10,5	10,5	14
	SEER		6,1	6,1	6,1	6,1	6,1
	Energy efficiency class		A++	A++	A++	A++	A++
	Annual energy consumption	kWh/A	304	402	602	602	808
	Capacity (min / rated / max)	kW	2,2-5,86-6,15	2,80-7,62-8,72	2,81-11,14-13,19	2,81-11,14-13,19	3,7-16,12-18,02
Heating	Absorbed power (min/rated/max)	W	740-1580-1760	640-2050-2580	800-3100-4640	780-3000-4665	948-4280-5824
	Current consumption	A	3,3-7,0-7,7	3,8-9,2-11,6	3,6-12,9-18,4	1,3-4,7-7,4	1,5-6,8-9,2
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	4,3-5,2	5,4-5,6	8,4-9,9	8,4-10,6	12,1-10,7
	Scop (average climate - warmer climate)		4,0-5,0	4,0-4,8	4,0-5,1	4,0-4,9	4,0-5,1
	Energy efficiency class (average climate - warmer climate)	medium zone / hot zone	A+ A++	A+ A++	A+ A+++	A+ A++	A+ A+++
	Annual energy consumption (average climate - warmer climate)	kWh/A	1512-1464	1911-1633	2940-2718	2968-3029	4263-2949
	Operating limit temperature	°C	-15	-15	-15	-15	-15
	Energy efficiency E.E.R./C.O.P.	W/W	3,23 / 3,71	3,21 / 3,71	2,64 / 3,59	2,57 / 3,71	2,73 / 3,77
Indoor unit	Dimensions (LxDxH)	mm	880x764x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300
	Weight (without packaging)	kg	24,3	31,5	40,5	40,5	47,6
	Dimensions (with packaging) (LxDxH)	mm	1070x725x280	1305x805x305	1570x805x305	1570x805x305	1405x915x355
	Weight (with packaging)	kg	29,6	38,9	48,5	48,5	55,8
	Air flow rate (min/rated/max)	m³/h	350-650-880	839-1054-1248	750-1150-1400	750-1150-1400	1680-2040-2400
	Rated fan pressure	Pa	25	25	37	37	50
	Fan pressure adjustment field	Pa	0-100	0-160	0-160	0-160	0-160
	Sound pressure (min/rated/max)	dB(A)	33-38-41,5	38-40-42	40-43-47	40-43-47	48-50-51
Outdoor unit	Sound power level Max (EN 12102)	dB(A)	59	62	63	63	68
	Dimensions (LxDxH)	mm	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333
	Weight (without packaging)	kg	33,7	49,4	66,8	81,5	106,7
	Dimensions (with packaging) (LxDxH)	mm	920x390x615	965x395x765	1090x500x875	1090x500x875	1095x495x1480
	Gross weight	kg	36,6	55,2	73,4	87,0	119,9
	Air flow rate	m³/h	2100	2700	4000	4000	7500
Dimensions and limitations of the cooling circuit	Compressor Type		rotary	rotary	rotary	rotary	rotary
	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
	Diameter of tube in gas connection line	inch - mm	1/2" - 12,7	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9
	Covered piping length from pre-load	m	5	5	5	5	5
	Piping recommended minimum length	m	3	3	3	3	3
	Piping Equivalent length (max)	m	30	50	65	65	65
	Increase of Refrigerant	g/m	12	24	24	24	24
Refrigerant fluid	Maximum difference in level	m	20	25	30	30	30
	Refrigerant gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
Electrical connections	Refrigerant gas charge	kg	1,15	1,50	2,40	2,40	2,80
	Maximum applied pressure high pressure side/low pressure side	MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Outdoor unit connection	n° conductor	3 x 2,5 mm²	3 x 2,5 mm²	3 x 2,5 mm²	3 x 2,5 mm²	3 x 2,5 mm²
	Indoor - Outdoor unit connection	n° conductor	4 x 1 mm²	4 x 1 mm²	4 x 1 mm²	4 x 1 mm²	4 x 1 mm²
	Max Power absorption	W	2950	2950	4700	5600	6200
Operational limits	Max Current consumption	A	13,5	13,5	21,5	10,0	11,2
	Indoor temperature in cooling (Min-Max)	°C B.S.	+17 / +32	+17 / +32	+17 / +32	+17 / +32	+17 / +32
	Indoor temperature in heating (Min-Max)	°C B.U.	0 / +30	0 / +30	0 / +30	0 / +30	0 / +30
	Outdoor temperature in cooling (Min-Max)	°C B.S.	- / +50	- / +50	- / +50	- / +50	- / +50
Outdoor temperature in heating (Min-Max)	°C B.U.	-15 / +24	-15 / +24	-15 / +24	-15 / +24	-15 / +24	

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice. The sound pressure values are at the following conditions: ambient sound pressure level equal to 0 dB (Pressure equal to 20Pa), unit positioned in a free field condition, meter positioned 1.5 meters below the internal unit to which are applied standard ducts with a length of 2 meters (delivery) 1 meter (return). *Non-hermetically sealed equipment containing fluorinated gas with GWP equivalent to 675.