

# NEXYA<sup>®</sup> S3 inverter commercial

NEXYA S3 INVERTER COMMERCIAL 18  
NEXYA S3 INVERTER COMMERCIAL 24



Duct 18/24



Cassette 18/24



Floor ceiling 18/24



## FEATURES

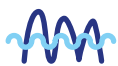
- Two power models
- Combination and installation flexibility: duct, cassette, floor ceiling
- Energy efficiency class in cooling: A++
- Energy efficiency class in heating (average climate area): A
- Energy efficiency class in heating (warmer climate area): A++
- Refrigerant gas R410A\*
- Timer 24h



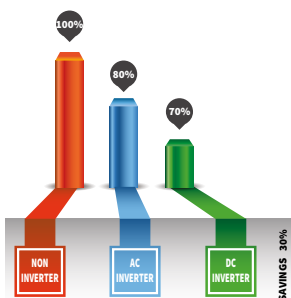
- Warmer air climate
- Average air climate
- Colder air climate

## FUNCTIONS

- Fan only mode**
- Dehumidification only mode**
- Auto mode:** changes parameters depending on ambient temperature.
- Sleep mode:** gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.



## OLIMPIA SPLENDID'S INVERTER SYSTEM



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace traditional heating in intermediate seasons or support it.

\* hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088

				NEXYA® S3 COMMERCIAL CASSETTE 18	NEXYA® S3 COMMERCIAL CASSETTE 24	NEXYA® S3 COMMERCIAL DUCT 18	NEXYA® S3 COMMERCIAL DUCT 24	NEXYA® S3 COMMERCIAL FLOOR-CL 18	NEXYA® S3 COMMERCIAL FLOOR-CL 24	
<b>Product code</b>				OS-CECEH18EI + OS-SECSH18EI	OS-CECEH24EI + OS-SECSH24EI	OS-CECEH18EI + SEMMDH18EI	OS-CECEH24EI + SEMMDH24EI	OS-CECEH18EI + OS-SECFH18EI	OS-CECEH24EI + OS-SECFH24EI	
Design load (EN 14825)	<b>Cooling</b>	Pdesignc	kW	5,3	7	5,3	7	5,3	7	
	<b>Heating / Average</b>	Pdesignh	kW	4,9	5,8	4,7	5,8	4,9	5,8	
	<b>Heating / Warmer</b>	Pdesignh	kW	5	5,6	5	5,6	5,2	5,6	
Seasonal efficiency (En 14825)	<b>Cooling</b>	SEER		6,3	6,1	6,5	6,1	6,5	6,1	
	<b>Heating / Average</b>	SCOP (A)		4	4	4	4	4	4	
	<b>Heating / Warmer</b>	SCOP (W)		5,1	5,1	5,1	5,1	5,1	5,1	
<b>Energy efficiency class in cooling mode</b>				<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	
<b>Energy efficiency class in heating mode INTERMEDIATE SEASON</b>				<b>A+</b>	<b>A+</b>	<b>A+</b>	<b>A+</b>	<b>A+</b>	<b>A+</b>	
<b>Energy efficiency class in heating mode WARMER SEASON</b>				<b>A+++</b>	<b>A+++</b>	<b>A+++</b>	<b>A+++</b>	<b>A+++</b>	<b>A+++</b>	
<b>Annual energy consumption in cooling mode</b>			kWh/annum	294	402	285	402	285	402	
<b>Annual energy consumption in heating mode INTERMEDIATE SEASON</b>			kWh/annum	1715	2030	1645	2030	1715	2030	
<b>Annual energy consumption in heating mode WARMER SEASON</b>			kWh/annum	1373	1537	1373	1537	1427	1537	
<b>Output power in cooling mode (1) (min / rated / max)</b>			kW	0,8/5,3/6,2	1,2/7,0/8,2	0,8/5,3/6,2	1,2/7,0/8,2	0,8/5,3/6,2	1,2/7,0/8,2	
<b>Output power in heating mode (2) (min / rated / max)</b>			kW	0,9/5,6/7,0	1,2/7,0/8,6	0,9/5,6/7,0	1,2/7,0/8,6	0,9/5,6/7,0	1,2/7,0/8,6	
<b>Absorbed power in cooling mode (1) (min / rated / max)</b>			kW	0,3/1,7/2,18	0,4/2,2/2,9	0,3/1,7/2,18	0,4/2,3/2,9	0,3/1,7/2,18	0,4/2,3/2,9	
<b>Absorbed power in heating mode (2) (min / rated / max)</b>			kW	0,3/1,5/2,15	0,4/1,9/2,9	0,3/1,5/2,15	0,4/1,9/2,9	0,3/1,5/2,15	0,4/1,9/2,9	
<b>Current consumption in cooling mode (1) (min / rated / max)</b>			A	1,2/7,7/9,9	1,8/9,9/13,3	1,2/7,7/9,9	1,8/10,4/13,3	1,2/7,7/9,9	1,8/10,4/13,3	
<b>Current consumption in heating mode (2) (min / rated / max)</b>			A	1,3/6,7/9,8	1,8/8,7/13,2	1,3/6,7/9,8	1,8/8,7/13,2	1,2/6,7/9,8	1,8/8,7/13,2	
<b>Supply voltage</b>			V-F-Hz	220-240 -1 - 50	220-240 -1 - 50	220-240 -1 - 50	220-240 -1 - 50	220-240 -1 - 50	220-240 -1 - 50	
<b>Supply voltage (min / max)</b>			V	198-253	198-264	198-264	198-264	198-264	198-264	
<b>Max Power absorption in cooling mode (1)</b>			W	2200	2950	2200	2950	2200	2950	
<b>Max Power absorption in heating mode (1)</b>			W	2200	2950	2200	2950	2200	2950	
<b>Max absorption in cooling mode (1)</b>			A	10	14	10	14	10	14	
<b>Max absorption in heating mode (1)</b>			A	10	14	10	14	10	14	
INDOOR UNIT	<b>Sound power (EN 12102)</b>	LWA	dB(A)	<b>56</b>	<b>61</b>	<b>58</b>	<b>62</b>	<b>57</b>	<b>63</b>	
	<b>Air flow rate in cooling mode (max/med/min)</b>		m³/h	1000/800/700	1450/1250/1100	1050/900/780	1360/1200/970	700/800/900	1180/1050/850	
	<b>Air flow rate in heating mode(max/med/min)</b>		m³/h	1000/800/701	1450/1250/1100	1050/900/780	1360/1200/970	700/800/900	1180/1050/850	
	<b>Ventilation speed</b>			3	3	3	3	3	3	
	<b>Degree of protection</b>			IPX0	IPX0	IPX0	IPX0	IPX0	IPX0	
	<b>Dimensions (Width x H x Depth)</b>		mm	840x840x205	840x840x205	920x635x270	920x635x270	1068x675x235	1068x675x235	
	<b>Dimensions Frame (Width x H x Depth)</b>		mm	950x950x55	950x950x55	-	-	-	-	
	<b>Weight (without packaging)</b>		Kg	21,3	24	26,9	28	25,8	25	
<b>Weight Frame(without packaging)</b>		Kg	5	5	-	-	-	-		
OUTDOOR UNIT	<b>Sound power (EN 12102)</b>	LWA	dB(A)	64	65	64	65	64	65	
	<b>Air flow rate (max)</b>		m³/h	2100	2700	2100	2700	2100	2700	
	<b>Ventilation speed</b>			1	1	1	1	1	1	
	<b>Degree of protection</b>			IP24	IP24	IP24	IP24	IP24	IP24	
	<b>Dimensions (Width x H x Depth)</b>		mm	800x554x333	845x702x363	800x554x333	845x702x363	800x554x333	845x702x363	
	<b>Weight (without packaging)</b>		Kg	35,5	49	35,5	49	35,5	49	
	<b>Dehumidification rate</b>		l/h	1,7	2,4	1,7	2,4	1,7	2,4	
	<b>Diameter of tube in liquid connection line</b>		inch - mm	1/4 - 6.35	3/8 - 9,52	1/4 - 6.35	3/8 - 9,52	1/4 - 6.35	3/8 - 9,52	
	<b>Diameter of tube in gas connection line</b>		inch - mm	1/2 - 12,7	5/8 - 15,9	1/2 - 12,7	5/8 - 15,9	1/2 - 12,7	5/8 - 15,9	
	<b>Maximum pipe length</b>		m	30	50	30	50	30	50	
	<b>Maximum difference in level</b>		m	20	25	20	25	20	25	
	<b>Maximum applied pressure high pressure side/low pressure side</b>		MPa	4,2/1,5	4,2/1,5	4,2/1,5	4,2/1,5	4,2/1,5	4,2/1,5	
	<b>Refrigerant gas*</b>		Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	
<b>Global warming potential</b>	GWP	kgCO2 eq.	2088	2088	2088	2088	2088	2088		
<b>Refrigerant gas charge</b>		kg	1,48	1,95	1,48	1,95	1,48	1,95		
<b>Additional refrigerant gas charge (beyond 5m long tube)</b>		g/m	15	30	15	30	15	30		
<b>Maximum remote control range (distance/ angle)</b>		m / °	8 m / 120°	8 m / 120°	wire controller wall	wire controller wall	8 m / 120°	8 m / 120°		
<b>LIMITS OF OPERATING CONDITIONS</b>										
Indoor Ambient Tempera- ture	<b>Maximum temperature in cooling</b>								DB 32°C - WB 26°C	
	<b>Minimum temperature in cooling</b>								DB 17°C	
	<b>Maximum temperature in heating</b>								DB 27°C	
	<b>Minimum temperature in heating</b>								DB 17°C	
Outdoor Ambient Tempera- ture	<b>Maximum temperature in cooling</b>								DB 43°C - WB 32°C	
	<b>Minimum temperature in cooling</b>								DB -15°C	
	<b>Maximum temperature in heating</b>								DB 24°C - WB 18°C	
	<b>Minimum temperature in heating</b>								DB -15°C	

(1) TEST CONDITIONS: data refers to regulation EN14511

Data declared according to the UE Delegate Regulation 626/2011

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