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Olimpia Splendid BI2 SL AIR 800 dc

Olimpia Splendid BI2 SL AIR Inverter 800 DC Fan Coil Unit User Manual

Model: BI2 SL AIR 800 dc

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Olimpia Splendid BI2 SL AIR Inverter 800 DC fan coil unit. Please read this manual thoroughly before using the product and retain it for future reference.



This image displays the Olympia Splendid BI2 SL AIR Inverter 800 DC fan coil unit, showcasing its sleek, white exterior and compact design suitable for wall mounting.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electric shock, fire, or injury.

- **Professional Installation:** Installation, maintenance, and repair must be performed by qualified personnel only.
- **Electrical Safety:** Ensure the unit is connected to a properly grounded electrical outlet with the correct voltage (240V DC). Do not operate with damaged cords or plugs.
- **Clearances:** Maintain adequate clearance around the unit for proper airflow and service access.
- **Water and Moisture:** Do not expose the unit to water or excessive moisture. Do not operate with wet hands.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.
- **Flammable Materials:** Do not place flammable materials near the unit.

3. PRODUCT FEATURES

The Olympia Splendid BI2 SL AIR Inverter 800 DC fan coil unit offers advanced climate control with the

following key features:

- **Inverter Technology:** Provides precise temperature control and energy efficiency.
- **Heating and Cooling:** Capable of both heating and cooling functions to maintain desired room temperature.
- **Dehumidification:** Reduces humidity levels for enhanced comfort.
- **Air Filtration:** Helps improve indoor air quality by filtering airborne particles.
- **Multiple Control Options:** Operable via remote control, wall-mounted TR control, and an integrated onboard touch panel.
- **Ultraslim Design:** Compact and sleek aesthetic for seamless integration into various environments.
- **DC Power Source:** Utilizes DC power for efficient operation.

4. PACKAGE CONTENTS

Upon unpacking, verify that all components are present:

- Olimpia Splendid BI2 SL AIR Inverter 800 DC Fan Coil Unit
- TR Control Unit
- Remote Control
- User Manual (this document)
- Installation Accessories (screws, brackets, etc. - specific to model)

5. INSTALLATION

Installation of the BI2 SL AIR Inverter 800 DC fan coil unit requires specialized knowledge and should only be performed by a qualified technician to ensure proper function and safety.

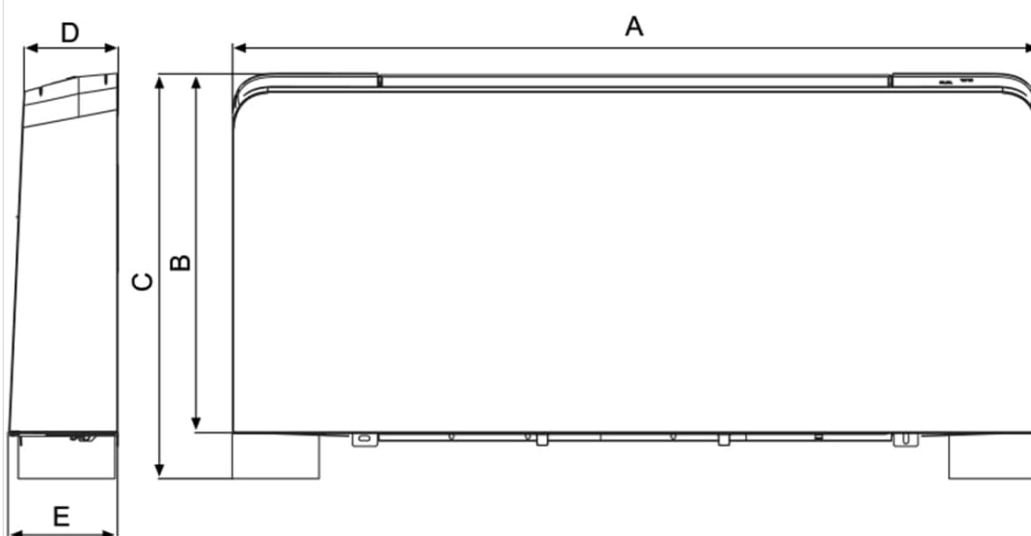
5.1. Site Selection

- Choose a location on a sturdy wall capable of supporting the unit's weight.
- Ensure adequate space for airflow around the unit and for future maintenance access.
- Avoid direct sunlight or heat sources that could affect temperature sensing.

5.2. Mounting and Connections

Refer to the dimensional diagram for precise measurements and mounting points. All electrical and hydraulic connections must comply with local regulations and be performed by certified professionals.

		200	400	600	800	1000
A	mm	695	895	1095	1295	1495
B	mm	599	599	599	599	599
C	mm	679	679	679	679	679
D	mm	129	129	129	129	129
E	mm	150	150	150	150	150
Peso netto SL	kg	11.5	13.0	15.5	18.5	21.5
Peso netto SLR	kg	13.5	15.5	19.5	22.5	25.5



This image provides a dimensional diagram of the fan coil unit with corresponding measurements (A, B, C, D, E) in millimeters, along with a table listing net weights for different models. This information is vital for proper installation planning.

6. OPERATION

The BI2 SL AIR Inverter 800 DC offers flexible control options for optimal comfort.

6.1. Control Interfaces

Modello TR



This image illustrates the various control interfaces available for the unit: a handheld remote control, a wall-mounted thermostat (Modello TR), an integrated touch control panel on the unit, and a representation of smart home (Domotica) integration.

- **Remote Control:** Use the handheld remote for convenient adjustment of settings from a distance.
- **TR Control (Wall-Mounted):** The wired wall control provides a fixed point for managing the unit's functions.
- **Onboard Touch Panel:** A discreet touch interface on the unit itself allows for direct control.
- **Domotica (Smart Home):** The unit supports integration with smart home systems for advanced control (functionality may vary).

6.2. Operating Modes

Select the desired operating mode using your preferred control interface:

- **Cooling Mode:** For reducing room temperature.
- **Heating Mode:** For increasing room temperature.
- **Dehumidification Mode:** For reducing humidity without significant temperature change.
- **Fan Mode:** Circulates air without heating or cooling.

6.3. Temperature Setting

Adjust the target temperature using the '+' and '-' buttons on the remote, wall control, or touch panel. The inverter technology will modulate the fan speed and capacity to maintain the set temperature efficiently.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fan coil unit. Always disconnect power before performing any maintenance.



The fan coil unit is shown with its front panel open, providing a view of the internal heat exchanger, fan, and filter area, essential for maintenance and cleaning.

7.1. Filter Cleaning

The air filter should be cleaned regularly (e.g., monthly, or more frequently depending on usage and air quality) to maintain airflow and efficiency.

1. Turn off the unit and disconnect it from the power supply.
2. Open the front panel of the unit (refer to the diagram or product specific instructions for your model).
3. Carefully remove the air filter(s).
4. Clean the filter(s) using a vacuum cleaner or by washing with lukewarm water and a mild detergent. Rinse thoroughly.
5. Allow the filter(s) to dry completely before reinserting them.
6. Close the front panel and reconnect power.

7.2. Exterior Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals.

7.3. Professional Servicing

Annual professional servicing is recommended to check refrigerant levels, clean coils, inspect electrical connections, and ensure overall system health.

8. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

- **Unit does not turn on:** Check power supply, circuit breaker, and ensure the unit is properly plugged in.
- **No cooling/heating:** Verify the correct mode is selected and the temperature setting is appropriate. Check if air filters are clean. Ensure no obstructions to airflow.
- **Weak airflow:** Clean the air filters. Check for any blockages in the air intake or outlet.
- **Unusual noise:** Ensure the unit is securely mounted. Check for loose parts or obstructions in the fan. If noise persists, contact a qualified technician.
- **Remote control not working:** Replace batteries. Ensure there are no obstructions between the remote and the unit's receiver.

If the problem persists after attempting these solutions, contact Olimpia Splendid customer support or a qualified service technician.

9. TECHNICAL SPECIFICATIONS

The following table provides detailed technical data for the Olimpia Splendid BI2 SL AIR Inverter 800 DC fan coil unit.

OUT

DATI TECNICI										200			400			600			800			1000					
SL Air inverter (con comando TR)										01851			01852			01853			01854			01855					
SL Air inverter (con comando AR)										01767			01768			01769			01770			01771					
SLR Air inverter (con comando TR)										01856			01857			01858			01859			01860					
SLR Air inverter (con comando AR)										01772			01773			01774			01775			01776					
Velocità ventilatore										Bassa		Media		Alta		Bassa		Media		Alta		Bassa		Media		Alta	
Potenza resa totale in raffreddamento	a27/19 - w7/12	(a)	(E)	kW	0.38	0.71	0.82	0.91	1.34	1.74	1.50	2.10	2.54	1.98	2.69	3.29	2.17	3.25	3.78								
Potenza resa sensibile in raffreddamento	a27/19 - w7/12	(a)	(E)	kW	0.26	0.50	0.64	0.65	1.02	1.25	1.10	1.56	1.94	1.54	2.09	2.54	1.71	2.42	2.98								
Portata Fluido	a27/19 - w7/12	(a)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8								
Perdita di carico lato acqua	a27/19 - w7/12	(a)	(E)	kPa	3.8	10.6	13.1	2.4	5.5	8.2	7.5	14.2	19	7.3	13.8	18.7	5.7	13.1	18.2								
Potenza resa totale in riscaldamento	a20/15 - w50/-	(b)	(E)	kW	0.64	0.84	1.05	1.25	1.65	2.31	1.75	2.56	3.12	2.21	3.10	4.10	3.05	3.77	4.67								
Portata Fluido	a20/15 - w50/-	(b)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8								
Perdita di carico lato acqua	a20/15 - w50/-	(b)	(E)	kPa	3.2	8.8	10.9	2.0	4.6	6.8	6.2	11.8	15.8	6.1	11.5	15.5	4.7	10.9	15.1								
Potenza resa totale in riscaldamento	a20/15 - w45/40	(c)	(E)	kW	0.54	0.70	0.88	1.06	1.39	1.94	1.46	2.14	2.60	1.85	2.60	3.44	2.56	3.16	3.91								
Portata Fluido	a20/15 - w45/40	(c)		l/h	91.9	119.9	150.0	181.9	238.1	330.3	250.6	365.7	444.6	316.6	444.8	587.9	438.1	541.0	668.5								
Perdita di carico lato acqua	a20/15 - w45/40	(c)	(E)	kPa	5.7	8.8	12.2	2.9	4.8	7.9	5.8	11.8	16.0	4.1	8.9	14.2	6.4	9.8	13.9								
Potenza assorbita			(E)	W	5	7	11	6	9	19	7	11	20	8	12	24	9	14	27								
Potenza sonora Lw (A)			(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54	42	48	54								
Pressione sonora Lp (A)			(d)	dB(A)	29	36	43	30	37	44	32	38	44	33	39	45	33	39	45								
Portata d'aria			(f)	m3/h	100	130	160	190	250	320	280	360	460	350	450	575	400	510	650								
Contenuto acqua batteria				l	0.47			0.8			1.13			1.46			1.8										
Pressione massima di esercizio				bar	10			10			10			10			10										
Attacchi idraulici				pollici	Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4										
Alimentazione elettrica				V/ph/Hz	230/1/50			230/1/50			230/1/50			230/1/50			230/1/50										
SOLO SLR	Resa max riscaldamento statico (50°C)			kW	0.37			0.42			0.5			0.62			0.77										
	Resa max riscaldamento statico (70°C)			kW	0.59			0.71			0.84			1.04			1.28										
	Contenuto acqua pannello radiante			l	0.19			0.27			0.35			0.43			0.50										

Le suddette prestazioni sono riferite alle seguenti condizioni operative:
(a) Modalità raffreddamento alla condizioni standard: temperatura dell'aria 27°C b.s., 19°C b.u., temperatura ingresso dell'acqua 7°C, temperatura di uscita dell'acqua 12°C
(b) Modalità riscaldamento condizioni di utilizzo 1: temperatura dell'aria 20 °C b.s., 15 °C b.u. max, temperatura di ingresso dell'acqua 50 °C, portata acqua uguale a quella di raffreddamento condizione standard
(c) Modalità riscaldamento condizioni standard: temperatura dell'aria 20 °C b.s., 15 °C b.u. max, temperatura di ingresso dell'acqua 45 °C, temperatura di uscita dell'acqua 40 °C
(d) Livello di pressione sonora valido per ambienti chiusi di volume pari a 100 m3 con tempo di riverbero di 0,5 s e installazione a pavimento/soffitto, emissione sonora su 1/4 di sfera a 3 m di distanza
(E) Dato certificato Eurovent
(f) Portata aria misurata con filtri puliti

A detailed table presenting technical specifications for various BI2 SL AIR Inverter models, including cooling and heating capacities, absorbed power, sound pressure levels, and fluid flow rates. This table is crucial for understanding the unit's performance characteristics.

Specification	Value
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Specification	Value
Brand	Olimpia Splendid
Model Name	BI2 SL AIR 800 dc
Cooling Power (kW)	4.10 (as per feature bullet, refer to table for detailed values)
Heating Power (kW)	3.29 (as per feature bullet, refer to table for detailed values)
Special Feature	Heating
Color	White
Voltage	240 Volt
Power Source	DC
Form Factor	Portable (Note: This unit is typically wall-mounted, 'Portable' may refer to its compact nature or a specific variant not fully detailed here.)
Control Method	Remote
Net Weight (approx.)	18.5 kg (for SL 800 model, refer to dimensional table for specifics)

10. WARRANTY AND SUPPORT

10.1. Warranty Information

The Olimpia Splendid BI2 SL AIR Inverter 800 DC fan coil unit comes with a**Limited Warranty**. Please refer to the warranty card included with your product or visit the official Olimpia Splendid website for detailed terms and conditions regarding coverage, duration, and claims procedures.

10.2. Customer Support

For technical assistance, spare parts, or service inquiries, please contact Olimpia Splendid customer support. Contact details can typically be found on the official brand website or in the product packaging.



[Olimpia Splendid Bi2 Hydronic Fan Coils: Catalog & Technical Specifications](#)

Explore the Olimpia Splendid Bi2 series of hydronic fan coils, offering ultraslim, slim, and ducted solutions for year-round comfort. Discover Italian design, advanced technology, wireless control, and detailed technical specifications for residential and commercial applications.



[Manuale d'uso e manutenzione Olimpia Splendid Bi2 WALL AR](#)

Guida completa all'uso, installazione e manutenzione dell'unità Olimpia Splendid Bi2 WALL AR, con informazioni sulla sicurezza e risoluzione dei problemi.



[Olimpia Splendid Bi2 WALL TR: Manuale d'Uso e Manutenzione](#)

Guida completa per l'installazione, l'uso e la manutenzione dell'unità Bi2 WALL TR di Olimpia Splendid, che copre i modelli 1000, 1200 e 1400, con istruzioni dettagliate e avvertenze di sicurezza.

MAESTRO Series Wi-Fi Kit B1018



[Manuel d'installation et d'utilisation du kit Wi-Fi MAESTRO B1018 par Olimpia Splendid](#)

Ce manuel fournit des instructions détaillées pour l'installation, l'utilisation et l'entretien du kit Wi-Fi MAESTRO B1018 d'Olimpia Splendid, permettant le contrôle à distance de votre climatiseur.



[Olimpia Splendid UNICO EVO-F Air Conditioner User Manual](#)

Comprehensive guide for the Olimpia Splendid UNICO EVO-F air conditioner, covering installation, usage, maintenance, safety warnings, and technical specifications. Learn how to operate and care for your UNICO EVO-F unit.

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[Olimpia Splendid MYSTRAL S1 E & LYBEX E Air Conditioner User Manual](#)

Comprehensive user manual for Olimpia Splendid MYSTRAL S1 E and LYBEX E air conditioners, covering installation, operation, maintenance, and troubleshooting.