Data Sheet

DDSX220WFA

0148520207 – INT

Date: 11.02.2021

Update: 18.05.2022

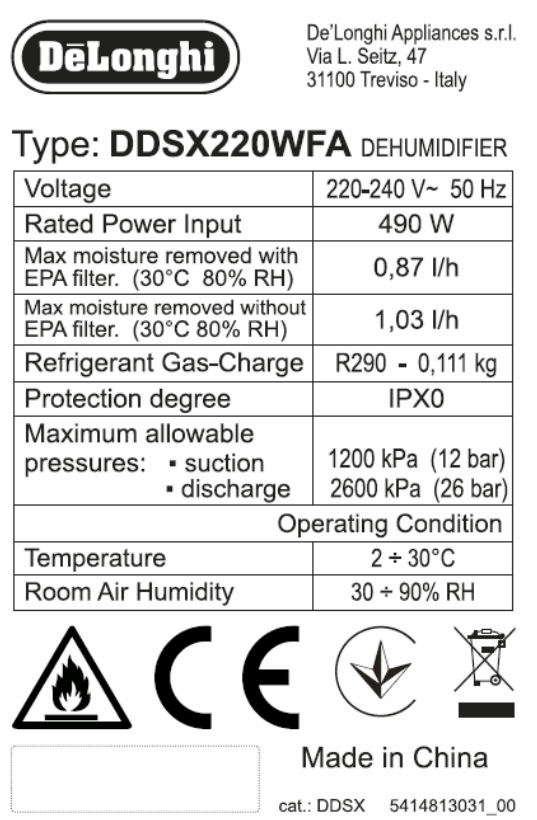


WARNING!



This appliance contains the **flammable refrigerant R290**. Any maintenance operation on the refrigeration circuit must be performed uniquely by specialized personnel which must have adequate skills and the certification required by the F-GAS legislation.

RATING LABEL



De'Longhi Appliances s.r.l.
Via L. Seitz, 47
31100 Treviso - Italy

Type: **DDSX220WFA** DEHUMIDIFIER

Voltage	220-240 V~ 50 Hz
Rated Power Input	490 W
Max moisture removed with EPA filter. (30°C 80% RH)	0,87 l/h
Max moisture removed without EPA filter. (30°C 80% RH)	1,03 l/h
Refrigerant Gas-Charge	R290 - 0,111 kg
Protection degree	IPX0
Maximum allowable pressures: ▪ suction ▪ discharge	1200 kPa (12 bar) 2600 kPa (26 bar)
Operating Condition	
Temperature	2 ÷ 30°C
Room Air Humidity	30 ÷ 90% RH

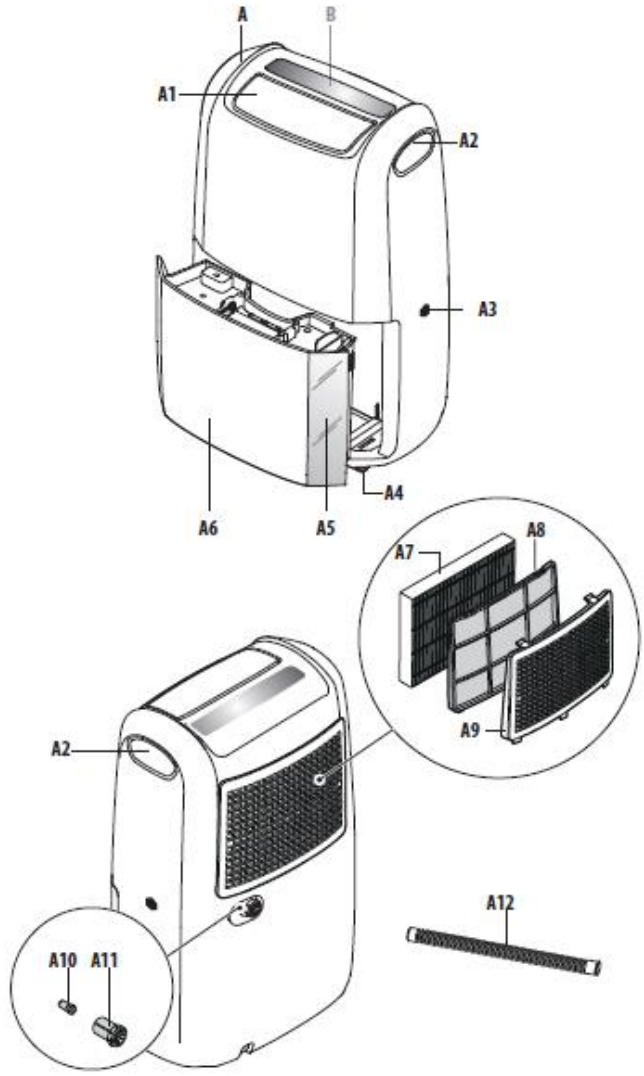
Made in China

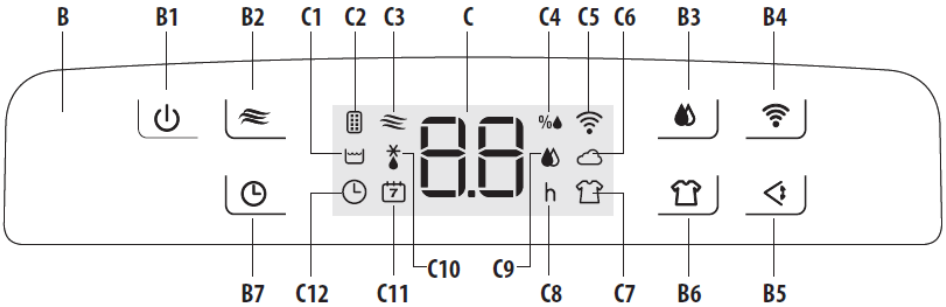
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TECHNICAL DATA

TECHNICAL DATA	VALUES
Dimensions (WxDxH)	383x255x600mm
Weight	13,5kg
Tank Capability	5 liters
Absorbed Humidity (l/24h, 32°C/80%)	21 l/24h
Airflow (m^3/h)	140
Max room size	90m^3
Noise Level	47dB(A)
Defrost Device	Yes
Hygrometer	Yes
Ventilation Speed	3
Timer	12h
Dust Filter	Yes
HEPA-Type (E12) Filter	Yes
WiFi Module Frequency	2400/2483,5 MHz

PRODUCT DESCRIPTION


A
B
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12

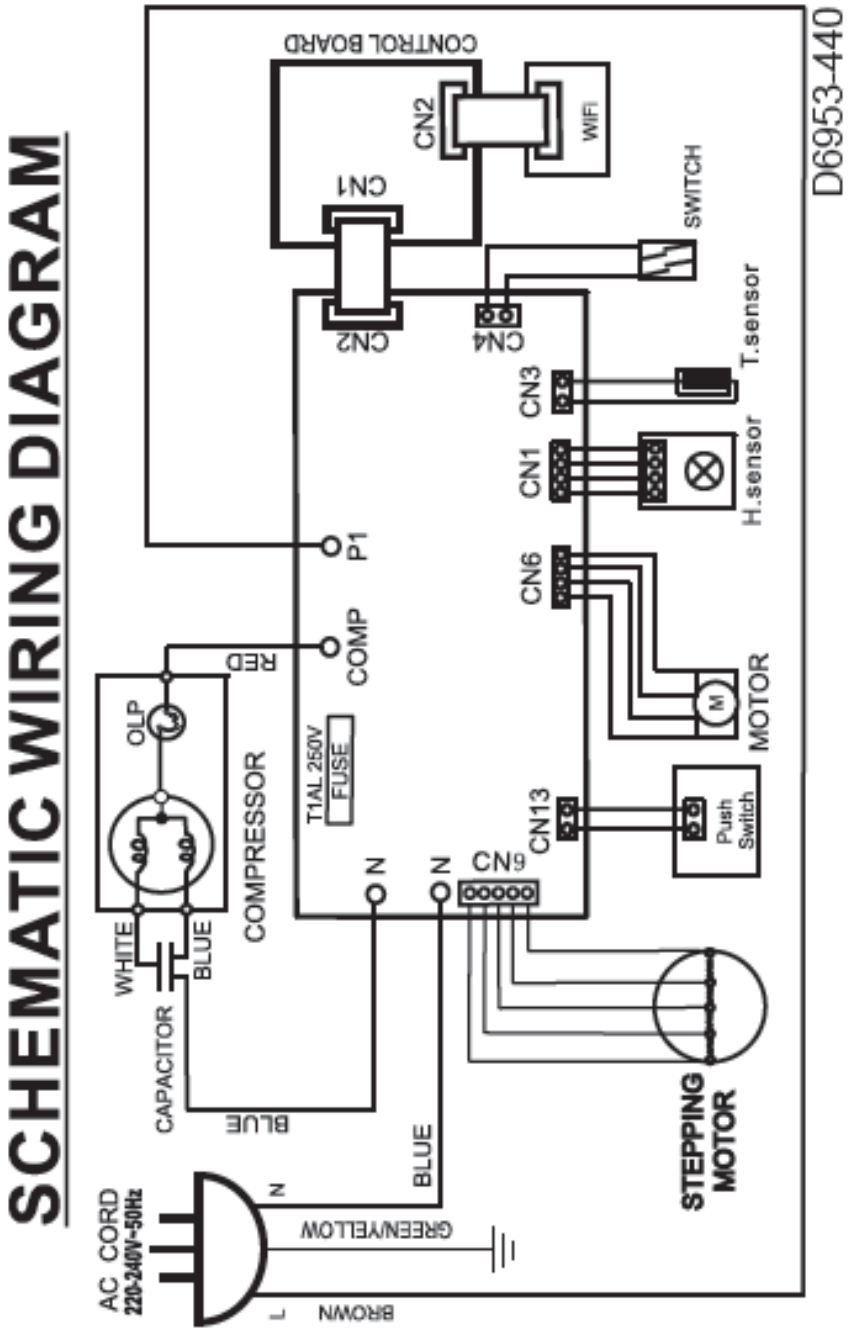

B
B1
B2
C1
C2
C3
C
C4
C5
C6
B3
B4
C10
C9
B7
C12
C11
C8
C7
B6
B5

Appliance Description
A1. Air outlet louver
A2. Lifting handles
A3. Room sensor air intake
A4. Castors
A5. Water level inspection window
A6. Condensate collection tank
A7. HEPA-type (E12) filter
A8. Silver ion dust filter
A9. Filter housing cover
A10. Continuous drain rubber stopper
A11. Continuous drain cap
A12. Continuous drain hose

Control Panel Description
B1. ON/STAND-BY button
B2. Ventilation button
B3. Dehumidifying button
B4. WiFi button
B5. Swing button
B6. Dry button
B7. Timer button

Display Description
C1. Full tank alarm
C2. HEPA-type (E12) filter presence symbol
C3. Ventilation mode active
C4. % Relative Humidity
C5. WiFi symbol
C6. APP control symbol
C7. Dry active mode
C8. Hours
C9. Dehumidifying mode active
C10. Low temperature alarm
C11. Remote timer symbol
C12. Local timer symbol

WIRING DIAGRAM



ALARMS DESCRIPTION

12. ALARMS SHOWN ON DISPLAY

ALARM	CAUSE	SOLUTION
	Tank (A6) missing or incorrectly positioned	Place the tank back in its correct position (see paragraph "3.1 Draining into the tank")
	Tank full	Empty the tank (see paragraph "3.1 Draining into the tank")
	Room temperature too low (see operating limits in chap. "6. Technical Specifications")	Increase the room temperature if possible
	Humidity in room too low or too high for correct measuring (see operating limits in chap. "6. Technical Specifications")	Move the appliance to another room with humidity and temperature levels within the operating limits: if the problem persists, call the Service Centre.
	Faulty probe	Call Service Centre
	Wi-Fi interface not working properly	Turn the appliance off and disconnect the plug from the power socket. Wait a few minutes, then re-insert the plug: if the problem persists, contact the Service Centre.
	After a preset number of operating hours, the symbol (C2) blinks on the display to indicate that the HEPA-type (E12)* filter (A7) needs to be replaced.	Replace the HEPA-type (E12)* filter (see para. "10.3 Replacing the HEPA-type (E12)* filter"). If the HEPA-type (E12)* filter has recently been replaced, reset the alarm (see para. "10.3 Replacing the HEPA-type (E12)* filter")

<u>NOTICE</u>: HEPA-TYPE (E12) FILTER REPLACEMENT WARNING

The appliance will warn about the <u>necessity to replace the HEPA-type (E12) filter after 2000 hours from the last filter replacement</u>. If the filter needs to be removed for cleaning (with a vacuum cleaner), the counter of the filter consumption will stop and will resume only when the filter will be reinstalled after cleaning.

TROUBLESHOOTING

13. TROUBLESHOOTING

Below is a list of possible malfunctions.
If the problem cannot be resolved using the proposed solution, contact the Service Centre.

PROBLEM	CAUSE	SOLUTION
The appliance is operating in dehumidifying mode, but the humidity does not decrease	The filter is clogged	Clean the dust filter (para. "10.2 Cleaning the dust filter") and check whether the HEPA-type (E12)* filter needs replacing (see paragrah. "10.3).
	Either the temperature or humidity in the room is too low	In certain conditions the appliance will not dehumidify: check the operating limits of the appliance (see chap. "6. Technical Specifications"). In certain cases, it is recommended to heat the room needing to be dehumidified.
	The set relative humidity level is too high	Set a lower humidity value (see paragraph "4.1 Dehumidifying mode").