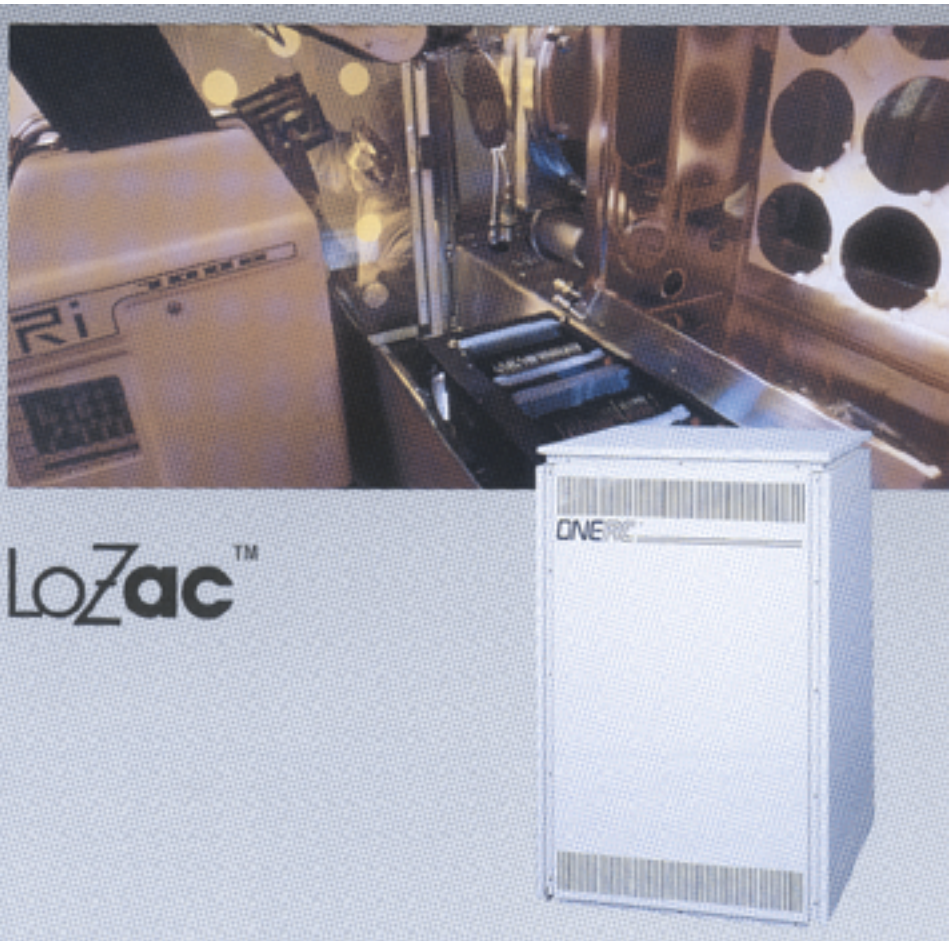
CLD Series

54 - 100 KVA, Three-Phase
50/60 Hz.



LoZac™

Specify Low-Impedance Power Conditioning for Reliable Performance

LoZac™ CLD Series conditioners are recommended as a cost-effective alternative to our CD line whenever electrical distribution is **not** required. This is because LoZac CLD conditioners offer the same superlative protection, without incorporating the CD Series distribution panels.

As with all ONEAC conditioners, the CLD Series features low output impedance — delivering the **current on demand** required by today's computers and automated systems. All LoZac CLD conditioners provide excellent Normal and Common Mode noise rejection, even in the presence of a nearby lightning hit.

As a specifier, you should be aware that today's universally-utilized switch-mode power supplies deliver DC power which is fully within tolerances across the input line voltage range of minus 30% to plus 15% of nominal voltage. Thus, external regulation of the voltage applied to a switch-mode power supply is superfluous, unnecessary and possibly destablizing.

The following traditional technologies offer inferior performance in current systems for the reasons shown:

- Ferroresonant (constant voltage) — high transfer impedance and tendencies toward instability.
- High isolation technology — high transfer impedance.
- Surge suppression — uncertain useful life and incomplete noise protection, especially in the Common Mode.

FIVE-YEAR WARRANTY
All LoZac low-impedance conditioners are designed and manufactured in the U.S. and backed by our unmatched five-year warranty.

ONEAC®
THE CURRENT SOURCE™

SPECIFICATIONS

Frequency 50/60Hz.

Load Power Factor 0.3 leading to 0.3 lagging.

Load Regulation Response Time <2 milliseconds for a 50% change in load.

Interruption Response Time Output voltage will track input voltage in less than 2 milliseconds at power-off and power-on for single-cycle asynchronous notch.

Distortion <1% THD added into a resistive load.

Protection Circuit Breaker.

Noise Rejection-Isolation With unit under power, and ANSI/IEEE C62.41 Category A pulse applied either normal or common mode at the input, the noise output voltage will be less than 10v normal mode, and less than 0.5v common mode in all four quadrants (CM-NM, NM-NM, CM-CM, NM-CM) using Keytek 711A/J (or equivalent) surge generator and low-voltage, high-sensitivity isolated probe.

Efficiency >98% at rated output.

Surge Voltage Withstand Capability Tested while powered, to ANSI/IEEE C62.41 Category B, both Ring Wave and Impulse (Formerly IEEE 587-1980). Category B (Ring Wave) — 6000v/500A, 0.5μsec. rise time, 100kHz decay. Category B (Impulse) — 6000v/3000A, 1.2 x 50μsec. and 8 x 20μsec. voltage/current surge.

RF 50 Ohm Insertion Loss Line to load and load to line:
400kHz to 4MHz-50 dB Typical
100kHz to 10MHz-40 dB Typical
30kHz to 3MHz-30 dB Typical

Cooling Convection

Adjustments None

Overload Capability All units will typically tolerate without degradation 10 times rated output for 0.5 cycle, 5.5 times rated output for 1 second, and 3.5 times rated output for 5 seconds.

Model	CLD31500	CLD31750	CLD31810	CLD311000
Load Current Rating (Amps)	150A	200A	225A	278A
Output Rating (KVA)	54	72	81	100
Standard Input Voltage(s) (VAC) (3-ϕ Delta)	190/200/208/240/ 380/400/415/480/600	190/200/208/240/ 380/400/415/480/600	380/400/415/480/600	380/400/415/480/600
Standard Output Voltage(s) (VAC)	208/120 3-ϕ Wye*	208/120 3-ϕ Wye*	208/120 3-ϕ Wye*	208/120 3ϕ Wye*
Input-Output Terminations	Hard-Wired	Hard-Wired	Hard-Wired	Hard-Wired
Shipping Wgt. w/cables (lbs.)	1586	1886	2050	2300
Floor Footprint (Square Inches)	998	998	998	998
Width (Inches) Height (Inches) Depth (Inches)	30.6 50.5 32.6	30.6 50.5 32.6	30.6 50.5 32.6	30.6 50.5 32.6
BTU Load/Hour (80% load)	3688	4918	5200	5800
1KHz Forward Transfer Impedance (Ohms)	<0.25Ω	<0.2Ω	<0.2Ω	<0.2Ω
Number of Receptacles/Panel	3	3	3	3

All specifications subject to change without notice.

For other termination and voltage combinations, contact your ONEAC distributor.

*240/415v, 3-ϕ Wye Output available.

Pronounce Us Oh·knee·ak
Remember Us #1ac

WARRANTY

ONEAC warrants its products to be free from defects in materials and workmanship for a period of five years. This warranty is limited to repairing or replacing, at ONEAC's option, any defective component, circuit board or module contained within the product only when it is returned with an ONEAC Return Material Authorization (RMA) number to ONEAC or to an ONEAC-designated repair facility. In all cases shipping charges to and from ONEAC or the ONEAC-designated repair facility are at the customer's expense.

Certain modules or peripherals included with the product but not manufactured by ONEAC, including but not limited to batteries or battery packs, are warranted for ninety days or to the extent of the manufacturer's warranty, whichever is longer.

This limited warranty does not cover any losses or damage resulting from shipment to or from the customer, or from improper installation, environment or abuse, or from any modifications, adjustments or repair by other than ONEAC-authorized personnel.

EXCEPT AS SET FORTH HEREIN AND EXCEPT AS TO TITLE, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR ANY AFFIRMATIONS OF FACT OR PROMISES BY ONEAC WITH REFERENCE TO THE PRODUCTS OR THEIR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL ONEAC BE LIABLE FOR LOST PROFITS, GOODWILL OR ANY OTHER SPECIAL OR CONSEQUENTIAL DAMAGES.

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or for the name of
your local distributor/dealer, call
800-243-4543

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