

General Specifications
 3kW Exhaust Regenerator
 Model: DCR-3KW



GENERATOR

- Dust Collector Retrofit 3kW
- 3kW Maximum Generation
- 1.5kW Maximum Efficiency Gains

Key Characteristics

- Uses Exhaust to generate power tied into facility.
- Improves motor efficiency by optimized sound abatement.
- Grid-connected operation in according to international standard UL1741/IEEE1547

CONTROLS BOARD

- Controls mounted on a factory-provided board with single point power connection. Circuits are protected by factory-provided fused disconnects.
- Voltage connections can be field-programmed with voltages ranging from 208/277 single phase or 240 three phase.
- A stainless steel package is available for applications where the unit is exposed to moist/corrosive environment.



OPTIONS	DIMENSIONS & WEIGHT
<ul style="list-style-type: none"> • 88 Decibel Sound Enclosure 	<ul style="list-style-type: none"> • Dimensions – 47.25”L x 47.00”W x 36.50”H
<ul style="list-style-type: none"> • 25 HP Soft Start 	<ul style="list-style-type: none"> • Weight - 525lbs (238kgs)
<ul style="list-style-type: none"> • Stainless steel package 	

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SPECIFICATIONS	DCR-T-3KW
INPUT PARAMETERS (DC)	
Nominal DC Power [kW]	6.18
Total Max. Recommended DC Power [kW]	6.4
Max. Input Voltage [V]	600
Activation Voltage	200 Nominal (adjustable within 50-350)
DC inputs	2
Maximum DC Current	36A. Each
DC Connections	4 (2 Positive, 2 Negative)
OUTPUT PARAMETERS (AC)	
Nominal AC Power [kW]	6
Max. AC Power [kW]	6
AC Grid Connection	208/277V single phase, 240V three phase
Nominal AC Voltage Range [V]	240V Default, 208/277V programmed
Nominal AC Frequency [Hz]	60
Max. AC Line Current [A]	24/20/18 (30 short circuit)
Dimensions (HxWxD)	29 1/8" x 12 13/16" x 7 11/16"
Weight	57.3 lbs
Communication	- RS485 (Spring terminal block – conductor cross section: AWG 28/16) - USB connection

Standards and Codes

Aurora inverters comply with standards set for grid-tied operation, safety, and electromagnetic compatibility including: UL1741 & CSA –C22.2 N.107.1-01, VDEO126, CEI 11-20, DK5940, CEI64-8, IEC 61683, IEC 61727, EN50081, EN50082, EN61000, EN60034-1:2004, CE certification, El Real Decreto RD1663/2000 de Espana.

The Exhaust Regenerator is protected by one or more patents.



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