

A I R D I S T R I B U T I O N  
**PRODUCTS**

PRODUCT:  
**DLSC**

**DLSC**

FOR OUTSIDE AIR AND CHILLED  
BEAM APPLICATIONS


F O C U S

**06**



ADVANCING THE SCIENCE OF AIR DISTRIBUTION

Rethink what air management systems can be.  
Revise your notion of functionality.  
Redefine your comfort zone.™

An abstract graphic consisting of numerous thin, overlapping, wavy lines that create a sense of motion and depth. The lines are light gray and originate from the bottom right corner, extending towards the center of the page.

## Comfort, Redefined.

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Since 1946, Titus has focused on technologically advanced products that create the highest degree of comfort.

We've consistently led the industry by breaking the barriers of expectation and convention when it comes to technology. We've redefined how technology drives, influences and supports air management. And by being first to market with the most innovative approaches to air distribution, we're proud to say that the marketplace has taken notice, and is counting on us to lead the way into the next decade. A challenge we're more than happy to accommodate.

Titus has raised the bar on design, proving that functional can also be beautiful. And we've redefined what it means to be energy efficient, with a collection of smart technology products that optimize the use of natural resources.

Titus has also redefined what it means to work with an air management products partner. We pride ourselves on listening and responding so that we can not only meet expectations, but also exceed them. Service has been, and will always be, our main focus at Titus. And, it's why so many of our customers keep coming back.

**Welcome to your new comfort zone. It starts here.**

## Overview

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### Maximize Compliance and Efficiency, Minimize Space

The Titus DLSC – Dedicated Outside Air System (DOAS) Series Flow Fan Powered Terminal Units featuring:

- Controlled introduction of outside air into the zone
- Sensible cooling coils from 2-8 rows
- An extensive size range of models: (3) low height, (2) high flow, and (4) extended cooling models

Decreasing energy usage is driving building design in our industry. Outside air is the most energy intensive air to cool or heat in a building system. By carefully controlling and monitoring the amount of outside air delivered to each zone, the engineer can minimize the energy usage of the outside air and the HVAC system.

The DLSC, with its airflow sensor and control valve, allows demand control ventilation on a zone by zone basis, dynamically minimizing outside air while complying with ASHRAE Standard 62.1. This allows the engineer to minimize total equipment and system operating cost.

The most complete line of DOAS series flow fan powered terminals in the market is the DLSC. It utilizes a sensible cooling coil, combined with state-of-the-art ECM brushless DC motors, fans and digital controls to provide the most flexible, highest efficiency units available. How does the DLSC work? It's really quite simple. The primary air inlet is sized to handle the zone ventilation requirements. Warm air from the ceiling plenum passes through the cooling coil and mixes with the fresh air of the primary inlet to supply the required amount of conditioned air to the space. These options allow the engineer to configure the units for almost any installation, especially in low height ceiling locations where building plenum space is limited.



Additional features include low profile design under 12" high on three sizes, high performance AeroCross™ pressure independent primary airflow control, and removable bottom access panel for easy maintenance. Optional discharge heating coils and induced air attenuators are also available as are an assortment of filters for higher Indoor Air Quality (IAQ).

**FEATURES:**

Sizes: 1, 2, 3, 4, 5, A, B, C, and E / Lettered sizes are high induction capacity version of the standard numbered sizes

Induced air water coils: 1 through 8 row, single row heating optional

Discharge heating coils: Electric and water options

Outside air inlet: 4" to 14" round, 16" x 8" rectangular

Liners: EcoShield, fiberglass, SteriLoc foil faced fiberglass, Fibre Free

**PERFORMANCE:**

Airflow Range

Size	Min CFM	Max CFM
1	150	810
2	180	830
3	300	1200
4	500	1860
5	290	2000
A	150	810
B	180	830
C	300	1200
E	290	2000

# DLSC

## LOW PROFILE FAN POWERED TERMINAL UNIT WITH A SENSIBLE COOLING COIL FOR OUTSIDE AIR

- » Fan powered induction unit with sensible cooling coil & drip pan
- » Used with DOAS and chilled beam applications
- » Designed for low profile applications
- » Built-in sound baffle for low sound levels, both radiated and discharge
- » Adjustable fan speed control
- » Available with standard high efficiency ECM brushless DC motor
- » Inlet sizes: round 4", 6", 8", 10", 12", & 14" / rectangular 16" x 8" / Unit sizes: 1, 2, 3, 4, 5 / Unit sizes: A, B C, & E



energy solutions

### DLSC

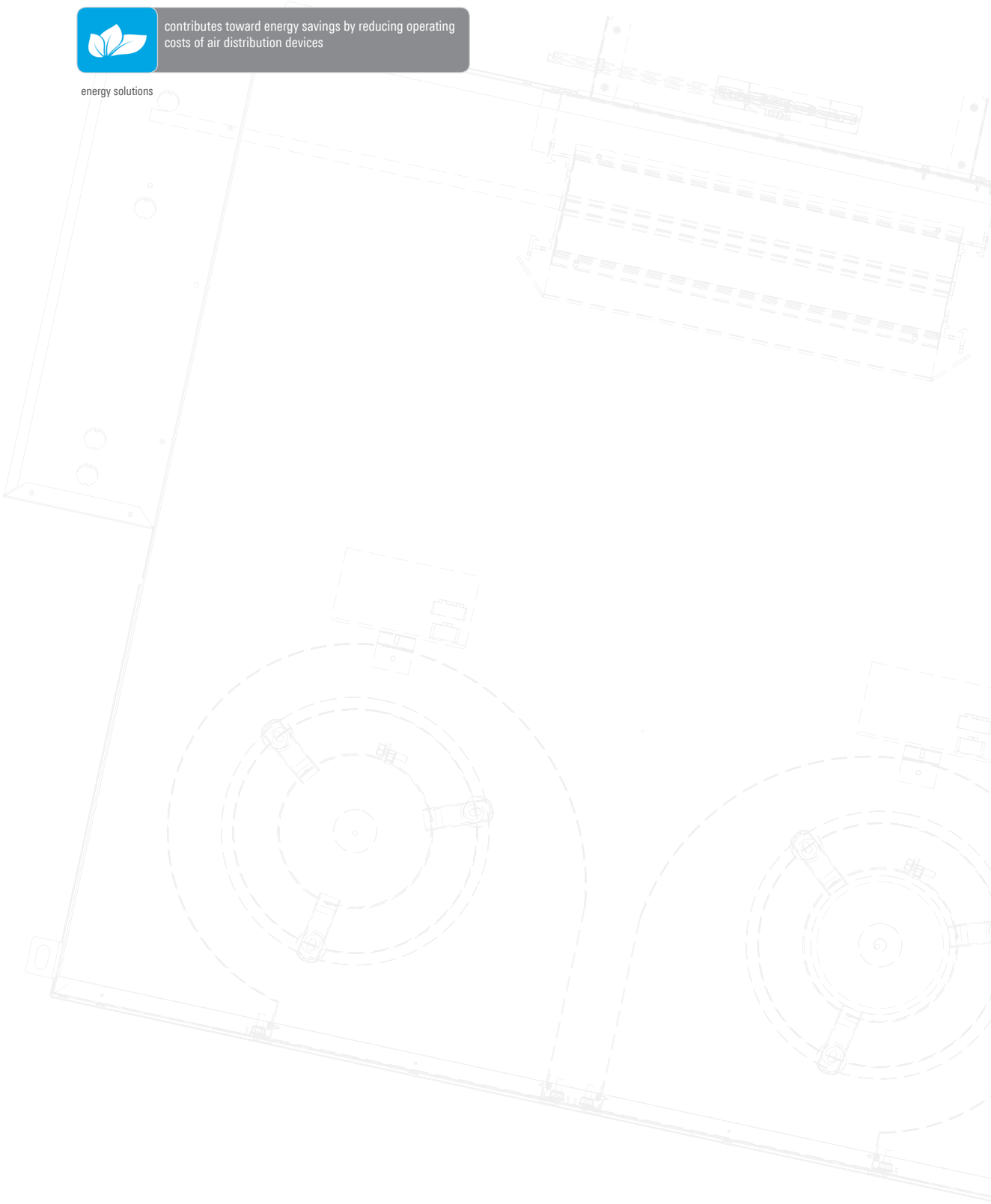
The DLSC is a Series Flow Fan Powered terminal unit that features a sensible cooling coil at the induction port. It has been designed to work as part of a dedicated outdoor air system (DOAS). These systems provide an alternate solution to addressing ASHRAE 62.1 ventilation requirements. The DLSC optimizes outside air and space temperature controls separately in single terminal unit by decoupling the sensible load from the ventilation system.

# Icons



contributes toward energy savings by reducing operating costs of air distribution devices

energy solutions





# DLSC

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