

Emerson and DCM Collaborate in First-of-its-kind Installation

Client Background

Located just outside Cairo, Egypt, a client in the pharmaceutical industry has a 10,000 square meter facility. Due to the strict requirements of the pharmaceutical industry, they required a high capacity, large commercial scroll, chiller solution.



The Challenge

Given the nature of the client's business, there were key constraints and strict industry specifications that had to be met. No local OEM had the necessary capabilities, facilities, or resources to manufacture a system with the required capacity range, this meant a unique solution had to be developed.

Our Solution

Teaming up with local firm Delta Construction and Manufacturing (DCM), the highest capacity commercial chillers to be manufactured in Egypt were developed. The installation consisted of three, 170 ton chillers with enhanced capabilities, which ensured that the client's direct operational needs were met.

Each chiller has an inlet water temperature of 52°F, outlet water temperature of 42°F, and inlet air temperature of 105°F. Serviced by DCM's fan coils and air handling units, collectively they can produce a total of 530 tons of refrigeration and 160,000 CFM of air flow.

Furthermore, the new solution benefitted the client on three additional fronts: the chillers occupied less space than their previous installation, the project cost less than they had budgeted, and will ultimately generate lower running costs over their entire life cycle.



costs less to install

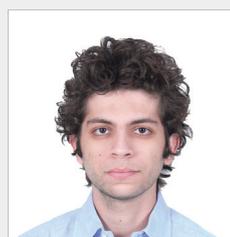


takes up less space



lower running costs

Testimonials



Mohamed El-Borollosy
Marketing Director, DCM

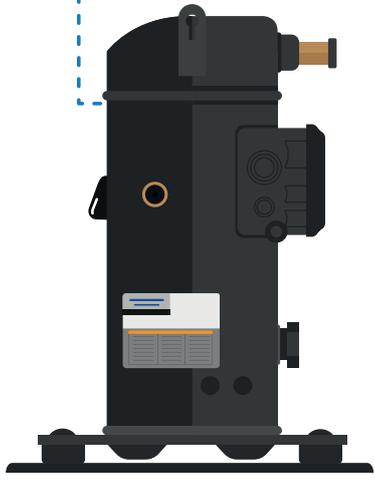
“Previously, companies who needed a chiller of this capacity would have to import it. However, DCM now has the ability to manufacture units from as little as 75 tons, right through to 175 tons. We are the only organization in Egypt able to produce local chillers of this size.”



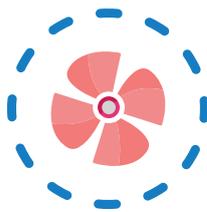
EMERSON

3¹⁷⁰
x tons

Powered by Copeland™
large commercial scroll
tandem units



inlet water | outlet water | inlet water
52 °F | **42 °F** | **105 °F**



DCM's fan coils and
air handling units produce: **530 tons** | **160k**
of refrigeration | CFM



For complete product details and additional information, visit
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