powerprofile

CUSTOMER: Medical Center LOCATION: Charlotte,

North Carolina, U.S.A.

Customer Requirement: Industrial Commercial – Temperature Control, 800 tons

> Scope of Supply: Equipment – 2 x 450 ton air-cooled chillers System accessories

Services –

Site analysis, delivery, installation, engine commissioning, startup, project management and maintenance

Cat Rental Power Dealer: Carolina Engine Charlotte, North Carolina, USA

POWER NEED

During the summer of 1999, one of the largest medical centers in North Carolina discovered expansions to their facility increased cooling needs beyond the capabilities of the current system.

For the summer of 2000, the medical center's priority was to enable normal business operations as cost effectively as possible. The medical center required an additional 800 tons of cooling to keep staff and patients comfortable and business operations on-line throughout the summer.

TOTAL SOLUTIONS

Carolina Engine meet the need with two, 450 ton air - cooled chillers. The chillers gave the facility the flexibility to use an additional 100 tons if needed. Cat Rental Power Dealer Carolina Engine had the chillers and system accessories to meet their temperature control needs, as well as experienced technicians who could provide 24/7 support.



Initially, Carolina Engine performed a site analysis to confirm installation requirements. They delivered the units to the medical center and matched equipment with the existing setup to ensure seamless installation and integration. The Cat team also performed on-site commissioning.

Carolina Engine trained the medical center personnel responsible for daily maintenance of the equipment. Technicians from the Cat Rental Power dealer were dedicated to the site for the duration of the project and provided routine maintenance and on-site warranty work.

Site integrity and safety were important for the medical center, as the chillers were located in a patient parking lot. Because of their modular design and sound attenuation, the units did not disrupt activity at the hospital.

RESULTS

Carolina Engine had the chillers, system accessories and 24/7 support the medical center needed to increase its temperature control capacity. As a result, the medical center was able to cost effectively keep up with operations during the summer peak season.

