

DUNHAM-BUSH

AMERICAS

Aliso Viejo, California—Microsemi Corporation headquartered in Aliso Viejo, California crafts semiconductor solutions for a variety of different industries including aerospace, defense and security, communications, etc.

CHALLENGE

Microsemi employs over 3,000 people and requires functional operation around the clock. So when their existing air conditioning system was outdated they decided it was time for new chiller. It was determined that the new chiller must stand the test of meeting the stern energy efficient guidelines for Southern California. In addition to meeting energy efficiency guidelines the new chiller was to accommodate the demanding needs of operation to handle the process swings of the daily operations at Microsemi.

SOLUTION

DB Sales and Service, a Dunham-Bush Americas Sale representative located in Garden Grove, California worked with the Dunham-Bush factory to assure that the chiller met all the obligations and pre-requisites intended for Microsemi.

The requirements included the following:

- 2 compressors with independent refrigerant circuits
- Low ambient kit for trouble-free winter season operation
- User- friendly, highly advanced microprocessor
- Quiet operating chiller

In addition to fulfilling Microsemi's request, DB Sales and Service worked closely with an energy consultant from the state of California to obtain the approvals for the rebate program being offered. The final challenge was to team together with a local mechanical contractor, Retrofit Technology, for the installation of the chiller to take place over a weekend to ensure minimal down time; in conjunction with this a Dunham-Bush service engineer was present to commission the chiller.

RESULTS

Due to the effectively functioning new Dunham-Bush chiller Microsemi is able to maintain their daily course of action with trouble free operation. The chiller met in accordance with the energy efficient guidelines granting Microsemi a rebate estimated around \$30,000. Microsemi was extremely satisfied with the end result, the timely manner of the installation, and the chillers smooth operation.

SPECIFICS

- Dunham-Bush air cooled screw chiller model AFHX405-6SR
- Chiller with built in reliability (2) compressors and (2) independent circuits
- \$30,000 rebate
- Low ambient kit for winter
- Quiet operating chiller



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