
Air Cooled Screw Chiller Application

SUMMIT SYSTEM™

Problem
*Definition and
Problem Solution*

*Custom Design
In-house
Engineering*

BRD *Turnkey
Installation*

Residential Neighborhood in AL

Neighbor Complaints

A suburban area church was the receiver of neighbor complaints over a 200+ ton screw chiller located on church premises.

The distance of the chiller from the nearest property line was 100'. BRD coordinated with the chiller manufacturer direct to ensure all operational guidelines were met with the planned implementation of our acoustic solution.

Our engineering team designed a custom fit *Summit*™ solution working from OEM-provided chiller drawings in order to satisfy noise concerns from neighboring residences.



Hush Duct™ To achieve the attenuation needed to adequately satisfy the neighbor complaints, a *Summit System™* chiller enclosure was created using *Hush Duct™* intake and discharge silencers and *Hush Guard™* panels.

In addition, acoustic panels were designed for the open end sections of the chiller with form-fitting notches for chiller piping.



The project was installed by BRD in less than two days and third party acoustic testing was performed by the church to meet the noise reduction goals resulting in a satisfied neighbor and church.

Just Right
Acoustics®