

PACKAGED AIR-COOLED CHILLER FOR COMBINED APPLICATION OF AIR-CONDITIONING AND HOT WATER SHOWER

DESCRIPTION

The Air Conditioning and Water Heater System are few of the highest energy consumption electrical appliances in a typical household.

By carefully designing a Central Air Conditioning System using a Air Cooled Chiller with Build-in Pump, Diaphragm Tank and Desuperheater within a single package, and coupled this with Chilled Ceiling/Chilled Beam technology, an estimated energy saving of up to 40% could be achieved.

This means that the Packaged Chiller would have the combined capabilities in providing air conditioning to rooms at comfort condition by producing chilled water to the Chilled Ceiling/Chilled Beam, as well as to provide hot water for showering application.

CLAIMS

1. Air Conditioning Systems and Water Heater were 2 of the essential items of every household in recent years. However, we are the first in the industry to incorporating both application into 1 single package, so as to achieve a substantial amount of energy saving.
2. In addition to that, by coupling this Packaged Air Cooled Chiller to the Chilled Ceiling/Chilled Beam technology, a total estimated saving up to 40% could be achieved.