

ABSTRACT**Improved Air Conditioner - Heat Reclaim**

The present invention relates to an improved air
5 conditioner unit that cools the surrounding like
conventional systems but uses the hot gas normally
discarded away from the surrounding for heating purposes
and more particularly the said air condition unit together
with the heater are of unitary body. Said air conditioner
10 unit comprises; an evaporator made up of finned coil with
refrigerant flowing in the coil for absorbing heat to cool
the area around the coil; a compressor to compress the
refrigerant thus increasing its heat that allows the
refrigerant to be pumped out at greater pressure; a
15 condenser for reducing the heat and pressure of the
refrigerant; metering device to regulate the refrigerant
flowrate to the evaporator; characterized in that; an
accumulator is added before the compressor to control the
amount of refrigerant flowing to the said compressor; a
20 water tank with a pipe containing the refrigerant flowing
from the compressor immersed into the tank filled with
water for the purpose of heating the water; a thermal
expansion valve used as the metering device.

Most illustrative diagram: Figure 3