

Not getting much heat from your air conditioning unit?

The performance of your air conditioning unit varies with the outside temperature. During a prolonged cold snap, it is normal for the outdoor unit of your air conditioning system to have a light covering of frost on the heat exchanger coil.



Although the unit pictured is frosting up it is still working, small sections of the coil at the top and rear of the unit remain clear enough that air can still flow through the lightly frosted coil.

It is not normal for the outdoor unit to be encased in ice or snow such that air cannot flow through the heat exchanger coil. If hard ice or snow covers the sides and top of the unit, it needs a defrost.



This unit is fully iced up. The system has not been able to defrost thoroughly, and the heat exchanger coil is completely covered with thickening ice, air can no longer pass through the coil.

Air conditioning units periodically go into automatic defrost mode to melt the frost from the outdoor coil. You'll notice periods of a lack of heating internally during this time whilst the outdoor unit's heat exchanger coil warms up to melt the frost or ice. This is normal.



The unit pictured has defrosted thoroughly. Regular automatic defrosts will keep the coil clear, so air can pass the coil freely. Caution as wetness may form ice on the ground around the unit.

If you're experience problems, please call **Regal Air Conditioning 01489 860966**

For improved operation: -

Monitor your units' condition and cleanliness regularly, check the outdoor unit is clear of leaves and debris, this helps moisture flow away from the outdoor unit and prevents ice build-up. Check the internal filters are not blocked and adjust the temperature setpoint to 22°C in heating mode, this is the ideal winter setpoint. The unit will operate normally and will defrost automatically.

Operating the unit continuously; including overnight during prolonged cold snaps will maintain a minimum indoor temperature and this helps with the defrosting process. Depending on how well insulated your building is, overnight whilst your away leave the unit in heating mode set between 18°C for a well-insulated buildings and 21°C for poorly insulated buildings and increased the set point to 22°C when you return.

We advise that you don't set the temperature higher than 24°C in heating when bitterly cold outside.

