

Panasonic

AIR CONDITIONING

HEATING OPERATION DURING WINTER TIME

Our recommendations on how to operate your heat pump during extreme cold weather conditions to receive maximum benefit from the heating output performance.

Knowing your unit has been correctly sized for local conditions and installed as per the manufacture's specifications. Please follow the steps below on how to set the operating conditions when forecasting a severe frost approaching.

1. Check air filters are regularly cleaned at least once a month on indoor unit.
2. Check outdoor unit is clear of any debris or obstruction, drain hole in bottom of base pan is cleared and the coil is cleaned.
Ideally outdoor should be raised up above ground on suitable mounts.
3. Check room is closed off to other areas and is sufficiently insulated to stop any leak point that will allow warm air to escape out and a cold draft blow in.
4. Set remote control settings to:-
HEAT mode
AUTO fan speed
AUTO air swing for louver operation
Temperature set to comfort zone of between 20 – 23 deg C
5. Use the Powerful button to operate unit at full capacity for a maximum period of 20mins which will provide a boost of warm air into the room. The unit will then return to the normal setting temp or sooner if you select the powerful button again.
Maximum heating will be provided at maximum airflow to increase the room to the setting temp set by the user.
6. Leave the louvers in AUTO position for heating as this reduces the feeling of cold drafts because the louver does not oscillate the same way as in cooling mode. The louver will move in 2 steps, horizontal or downward fix 45 deg based on how hot the indoor coil will be.
7. The power/operation light will be blinking on the indoor unit when the system is defrosting. This is a normal function of the heat pump and is critical to the efficient operation in order to produce the amount of required heat to warm the room. During defrost the unit will not be providing heat into the room and if Auto Louver set ON, the louver will be closed but partially open 3mm to allow the cold air to fall off the indoor coil.
DO NOT switch off the unit by remote or the isolator outside during the defrost cycle, this will bypass the defrost cycle and cause the unit to run on and build up of ice on the outdoor unit coil will be severe.
The defrost cycle time can last upto a maximum time of 15mins and after it has finished the indoor unit will take a few mins to regain some heat before the fan will run again. This is often referred to as a "Hot start" meaning indoor fan will not run until the coil temp is approx 30 deg C.
8. In the colder months of the year or when a severe frost has been forecast over night we recommend the user set the timer for unit to turn ON 2hrs before wake up. This will give the unit a chance to defrost a few times and come up to temp. Alternatively you can operate the unit all night on Heat mode at a lower temp of 16 or 17 deg C.