

NOISE LEVELS

A key factor to consider when purchasing a fridge is the location you are placing it, as well as the noise level it operates at. Everyone's perception of noise and how it impacts the environment is different.

All you need to know...

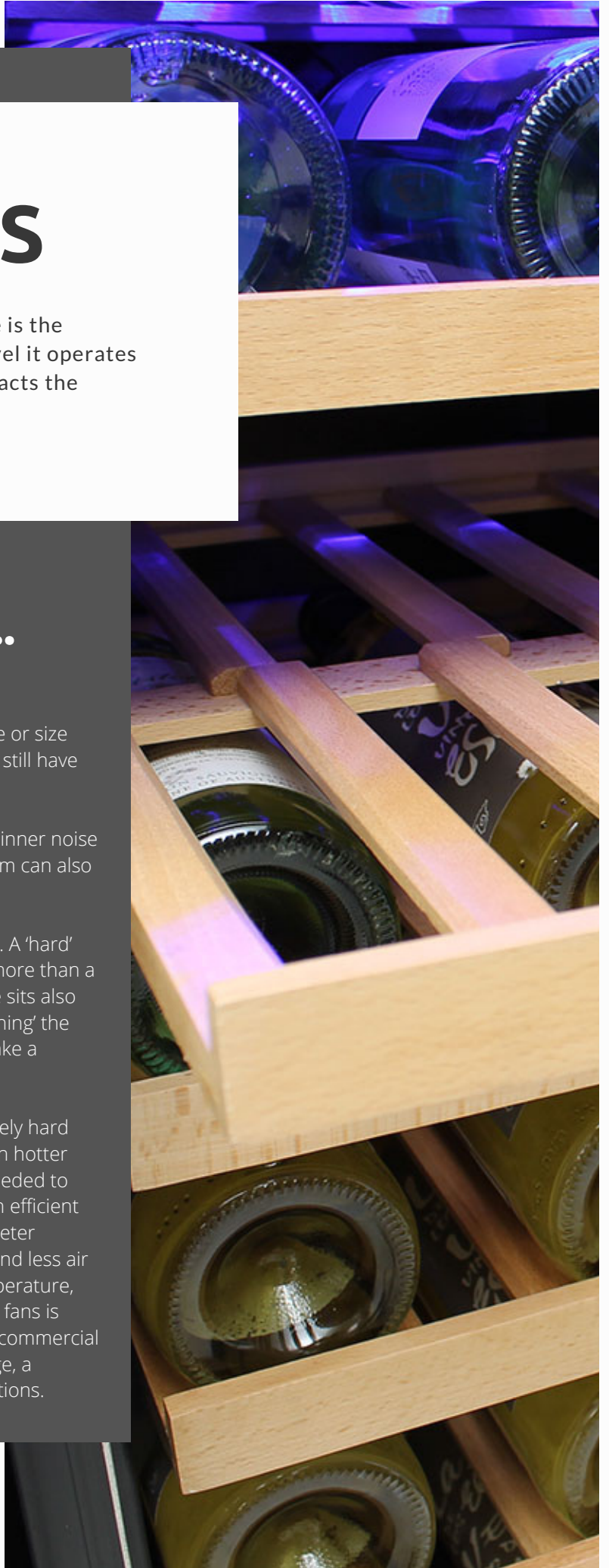
WHAT ARE THE NOISE VARIABLES?

Fans & Compressor - Depending on the compressor type or size they can run from 39>55Db, even with quiet fans you may still have times of higher levels of noise during run times.

Door thickness - Triple glazed and Solid Door units keep inner noise inside better and units with plenty of space 'in front' of them can also be slightly less noisy than those with items close to them.

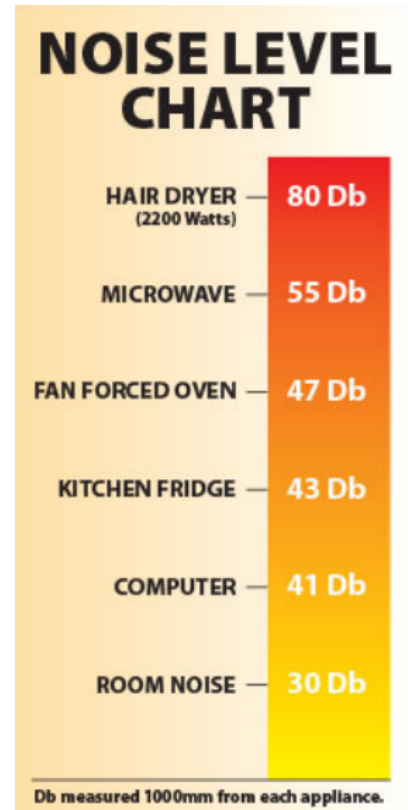
Environment & Installation - Where the unit is installed. A 'hard' room with hard wood floors will reverberate noise much more than a soft cushioned carpeted room. The cavity where the fridge sits also can cause more noise enhancement so little things like 'lining' the rear wall with foam or sitting fridge on rubber mat can make a difference.

Outdoor fridges are generally louder as they work extremely hard and build up a lot of heat during normal cycling up/down in hotter ambient temperatures. This means that bigger fans are needed to expel the extra heat in a timely manner so the unit can run efficient while chilling. We can alter the fan system in these to a quieter option, but quieter means slower RPM (Revs Per Minute) and less air movement making it take longer to get units down to temperature, hence more power consumption. The trade off for quieter fans is more energy consumption. This same principle applies to commercial units which often have many door openings and high usage, a quicker chilling function is better for units in harsh applications.



Everyone's perception of noise is different and so it makes it difficult to explain noise. A common metric is the 'Decibel Rating' known as Db, this gives a figure that can be compared to other appliances to help get an idea. The scale is very odd to understand as about 25Db is actually nearly silent, 36-43Db is a household fridge, yet only 55 is like a microwave. See chart we compiled using basic household items in 5 x different homes and taking the medium.

As you can see a hair dryer is 80Db, now that is loud, very loud, yet room noise is only 30Db, this is a room with nothing on or going, basically nothing. Domestic fridges can range from 36 to 43 depending on brand and compressor and age, an older fridge often runs with a noise that you just get used to, but most are no more than 43Db. We have a lot of units that we specially fit 12V quiet (Silent) fans to, these are from an Austrian company and run silent at 20-29Db, really making noise levels very low. We also have more commercial type quiet fans that run at 39Db compared to standard commercial fridge fans at 55Db.



Ask about our special quiet inner fans and silent fridge options

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For any questions, please contact our friendly team on 04 526 6009 or email sales@barfridges.co.nz

