

Frequency inverters

The Secret of the Leader

OMRON-Yaskawa has built a leading position in general-purpose inverters - with a 25% share of the market according to the IMS - thanks to the highest degree of reliability in the market place. Of course, it's easy for us to say we offer the highest reliability, but what do our customers say?

"At Goodwin Electronics we believe that reliability must follow integrity and quality. Our reputation depends on reliability, which is why we have chosen OMRON for our motion control," says Steve Pritchard, Sales Director, Goodwin Electronics.

Anders Gullberg, Manager of the Electrical Department at AKAB, says that they choose OMRON-Yaskawa products because "we export 98% of our product, so machine failure is simply not allowed."

Franco Stefani, General Manager of System Ceramics, highlights the benefits of OMRON-Yaskawa reliability. "High reliability reduces cost and increases productivity," he explains. "This is the way to win!"

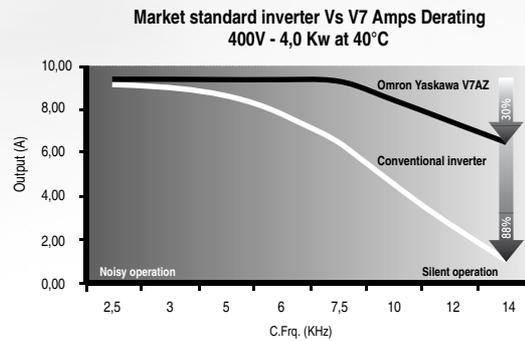
So what's the secret?

Yaskawa has developed a unique algorithm that perfectly balances the carrier frequency and the output current of the inverter. This not only allows but guarantees high current output at silent operation.

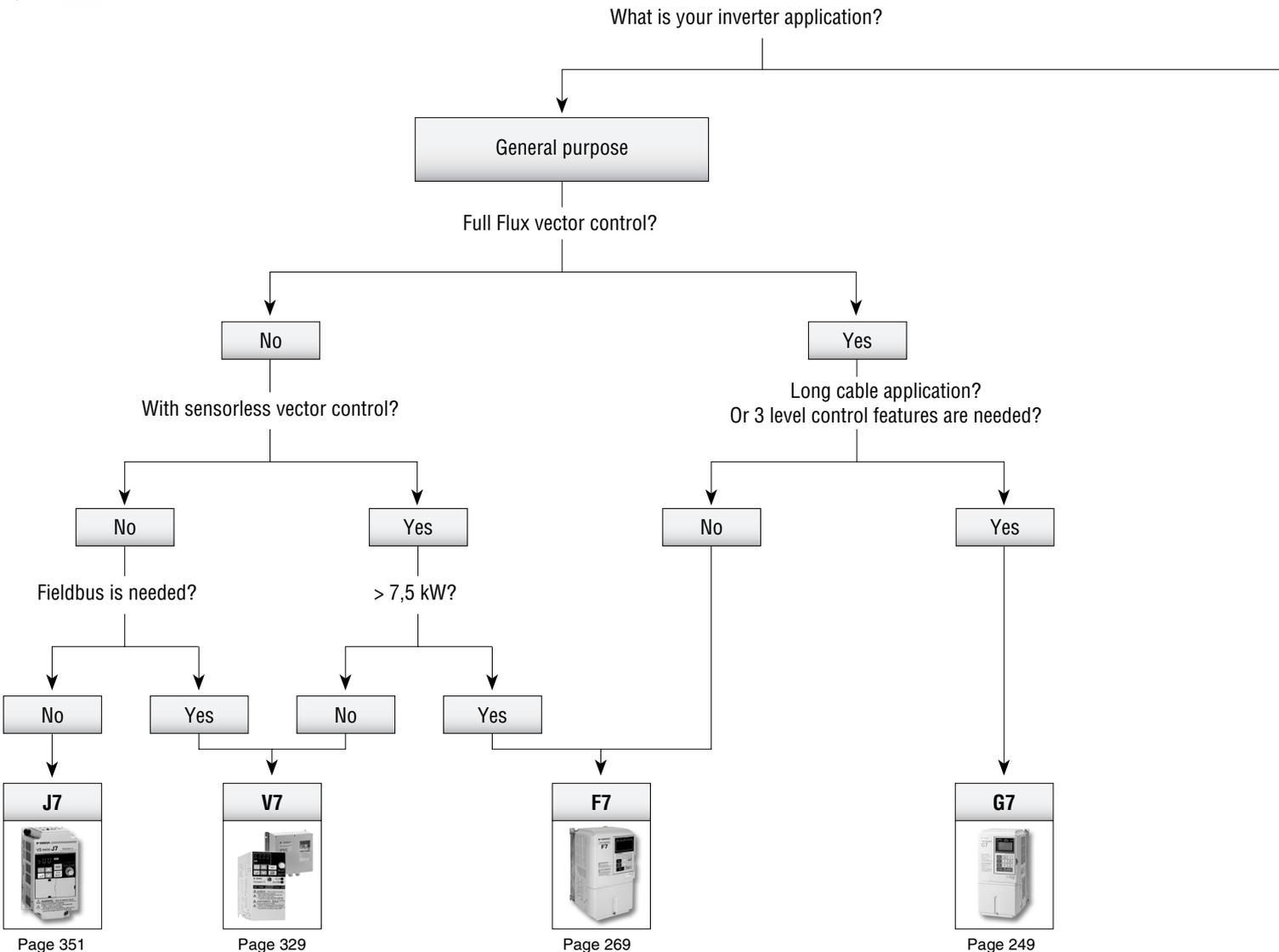
Figure 1 depicts the typical curve behaviour of a 4.0 kW V7 inverter against a conventional inverter in the market. Note that in near-silent mode operation, the V7 delivers almost twice as much current as the conventional inverter. In fully silent mode, the conventional inverter just collapses. In most cases the user has to take one or even two sizes bigger to meet his application need. The V7 is designed to drive the matched motor power in silent mode at full torque. This position of

"No Compromise" is something that we take very seriously.

Figure 1

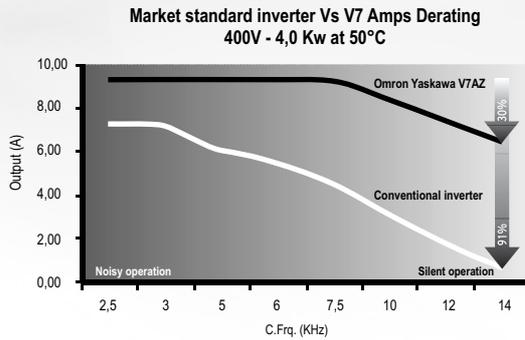


Note: Dark grey means highest acoustic noise.



Another significant difference between the OMRON-Yaskawa drive and the rest is the uncompromising current performance within the temperature range. In Figure 2 you can clearly see that while the V7 performance is stable, the conventional type drops sharply when used at 50 °C.

Figure 2



Note: Dark grey means highest acoustic noise.

What you see is what you get

In a nutshell, with the V7 inverter you get exactly what you see specified, which is significantly better output than with a standard inverter within a high temperature range - even in silent mode.

"No Surprise and No Compromise!"

One of the secrets of a true leader!

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