CONTROL TECHNIQUES

PUMP SOLUTIONS

ENSURING ULTRA HIGH EFFICIENCY FOR PUMPS

DRIVE AND MOTOR SOLUTIONS

NEW

DRIVE OBSESSED

LOOK NO FURTHER

ALL THE RELIABILITY AND EFFICIENCY YOU WILL EVER NEED

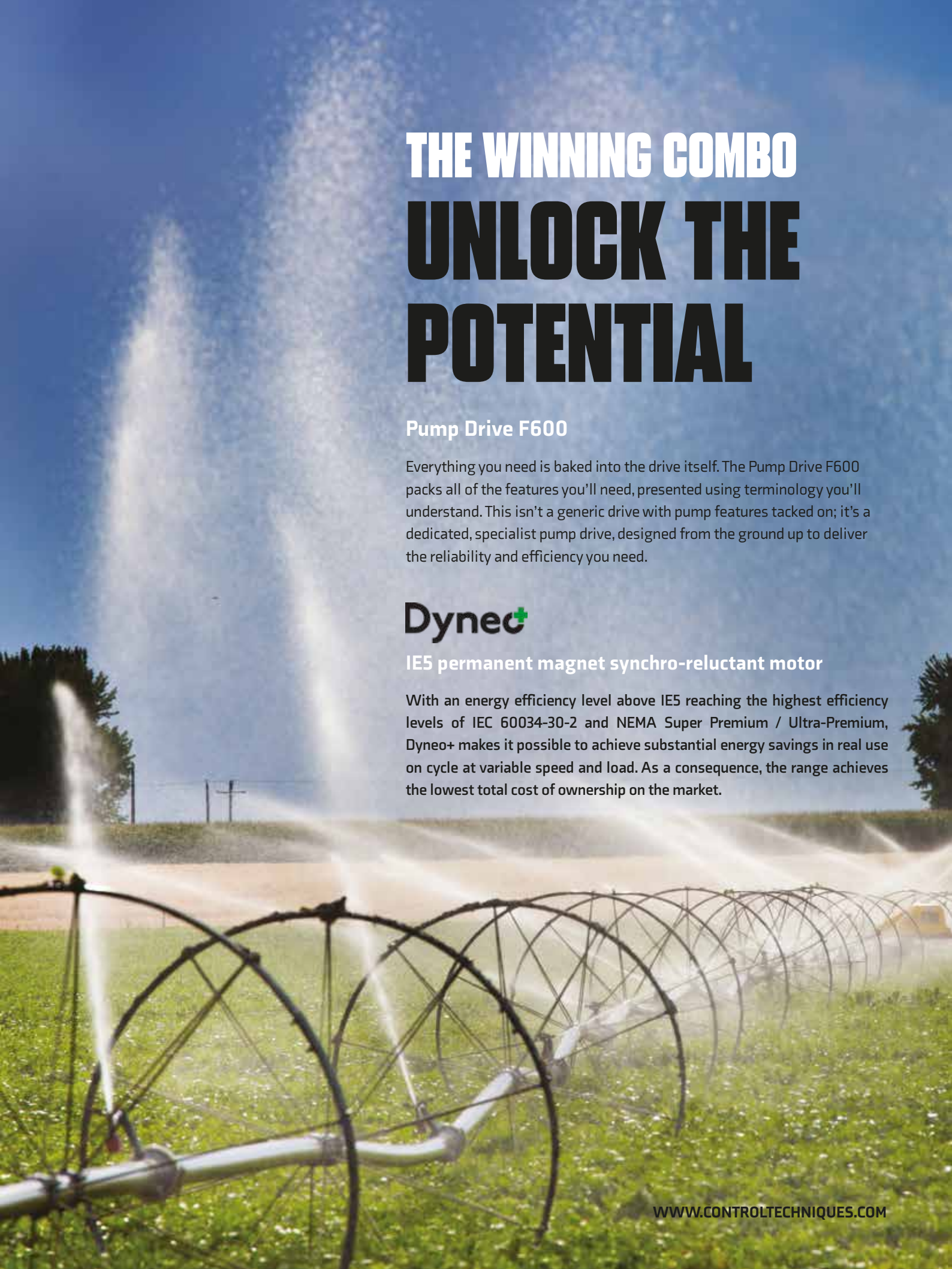
Realising that 20% of energy consumption in industry is down to pumps alone, brings home the reality that it's time to seek out new and advanced solutions that offer the potential for huge savings in pumping applications moving forward.

Varying pump performance by changing speed is most often the best energy-efficient control method. By reducing the speed of a pump by as little as 10% can decrease power consumption by up to 25 to 30%.

Variable speed drives and IE5 efficiency motors are the most affordable and efficient way to reduce energy consumption as we strive towards a decarbonised environment. Pump Drive F600 and Dyneo+ together, provides a winning combination of drive and motor, allowing you to take your pumping application to the next level of productivity. Maximising the potential for energy savings, in an industry where the pursuit of global environmental sustainability is increasingly important.

How is this achievable?

Finding the right combination of drive and motor is the most important factor, taking two components that work together seamlessly is key to your future success. That's where we come in.



THE WINNING COMBO
UNLOCK THE POTENTIAL

Pump Drive F600

Everything you need is baked into the drive itself. The Pump Drive F600 packs all of the features you'll need, presented using terminology you'll understand. This isn't a generic drive with pump features tacked on; it's a dedicated, specialist pump drive, designed from the ground up to deliver the reliability and efficiency you need.

Dyneo+

IE5 permanent magnet synchro-reluctant motor

With an energy efficiency level above IE5 reaching the highest efficiency levels of IEC 60034-30-2 and NEMA Super Premium / Ultra-Premium, Dyneo+ makes it possible to achieve substantial energy savings in real use on cycle at variable speed and load. As a consequence, the range achieves the lowest total cost of ownership on the market.

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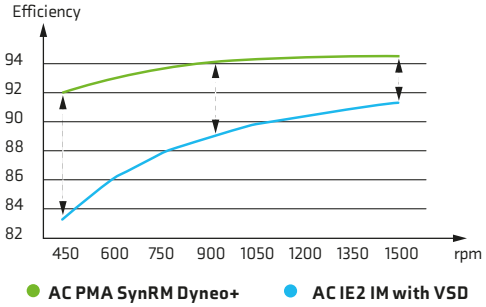
PUMP DRIVE F600



SIMPLE, RELIABLE FLOW CONTROL

Key features:

Speaks your language
- Optimised for minimal setup time yet sacrificing none of the flexibility.
- Dedicated approach to clear parameter naming and structuring ensures that the most commonly used parameters are always at your fingertips.
- The Guided Setup Screens walk you through every step of quickly getting your dirve up and running.

Energy savings - unlocking the potential
- Helps maximise energy savings when demand is low with the Low Load Power Saving mode
- Demand-based sleep mode
- No flow detection

Engineered for your application
- A range of different control modes covering single pumps and different pump configurations
- A host of dedicated features
  - Pipe fill
  - Over-cycling protection
  - Cleaning / de-ragging
  - Dry-run prevention
  - Level switch control

Resilience to minimise unplanned downtime
- Automatic error recovery
- Limit protection
- Transducer loss protection
- Fire mode

IE5 SYNCHRONOUS MOTORS COMBINING RELUCTANCE AND PERMANENT MAGNETS

Key features:

IE5 ultra premium efficiency
- Huge potential of energy savings
- Reduced CO^2 emissions
- One of the lowest TCO on the market (TCO=Total Cost of Ownership)
- Quick return on investment

Reliability
- Designed for variable speed
- Winding protection
- Bearings insulation
- Ferrite magnets fitted into the rotor
- Proven mechanical base of IMfinity induction motors

Government incentives qualified
- Quick return on investment

Easy integration
- IEC Interchangeable
- Compact
- Width of range (Alu, cast iron, 11 to 500 kW)

Reduced maintenance cost
- Extended lubrication intervals
- Easy wiring
- Easy maintenance

Sensorless

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