

CUSTOMER TESTIMONIAL

YANMAR AND DEMON PRESSURE WASHERS

“Reliable off grid power meets the most demanding industrial cleaning environments.”

When a machine must run continuously, miles from the nearest power socket or water supply, there is no margin for engine failure. For Demon Pressure Washers, a Devon-based manufacturer with more than 50 years of production history, those are not hypothetical conditions; they define the commercial environments in which its customers operate every day. The brief for the new Typhoon 2 heavy industrial pressure washer was therefore uncompromising: sustained output, minimal maintenance, and the ability to operate entirely off grid.

Demon Pressure Washers is headquartered in Devon, England, and has been designing and manufacturing professional-grade pressure-washing equipment for more than five decades. Its product range serves industrial, commercial and public-sector customers across the UK, with the Typhoon 2 representing the most capable machine in the current lineup at providing hot water, high pressure cleaning off grid for a long length of time.

Meeting Demanding Off-Grid Performance Requirements

The Typhoon 2 is Demon’s largest machine. Trailer-mounted and fitted with an 800-litre water tank, it is engineered to operate at extended distances from fixed water and electrical sources. The washer delivers both hot and cold-water cleaning at high pressure and high flow, while

integrated tower lights allow safe operation in low-visibility conditions. External refuelling points and reduced noise levels are made possible by water cooling rather than traditional air cooling. Complete a specification designed for long, uninterrupted working days.

To meet those demands, Demon selected the Yanmar 3TNV76, a Stage V-compliant, water-cooled three-cylinder diesel with a maximum output of 18.9 kW. Water cooling also provides a secondary benefit for an engine operating hard in sustained conditions: it limits heat buildup, supports stable performance throughout the day, and improves fuel efficiency compared with equivalent air-cooled units.

The belt-drive system used in earlier Demon models has been replaced on the Typhoon 2 with a direct-drive pump configuration. The change eliminates a potential failure point, reduces vibration, lowers noise further still, and simplifies maintenance access, all priorities for machinery expected to run continuously in the field.



YANMAR 3TNV76

Model	YANMAR 3TNV76
Configuration	3-cylinder, water-cooled diesel
Displacement	1.116 L
Maximum output	18.9 kW
Emissions compliance	EU Stage V
Application	Self-contained heavy industrial pressure washer (Typhoon 2)
Local distributor	Barrus (United Kingdom)

Specification Confidence and Technical Assurance

A complete redesign of this scale requires more than a reliable engine catalogue entry. Demon needed the confidence that the chosen engine had been correctly assessed and specified for the exact duty cycle the Typhoon 2 would face: sustained, often remote, heavy industrial use. That assurance came directly from the working relationship with Yanmar and Barrus, Yanmar's authorised UK distributor, whose technical teams were involved throughout the development project.

The collaboration ensured that engine selection was based on verified application data rather than approximation, and that genuine components and comprehensive product support were readily accessible across the UK. For a machine built to perform in the most demanding environments, that certainty in the supply chain is as important as the engine specification itself.

A Partnership Built Over Decades

The Typhoon 2 is not the first Demon machine to carry a Yanmar engine. Over more than 50 years of manufacturing, Demon has consistently returned to Yanmar as its preferred engine partner, and the relationship with Barrus, has reinforced that continuity through responsive technical support and reliable parts availability.

That long-standing partnership shaped how the Typhoon 2 project was approached. Familiarity with the engine range, combined with trusted support channels, allowed Demon to build a product portfolio that gives its customers, operating in industries where downtime is not an option, the confidence to take their machines further from base, for longer, with fewer reservations.





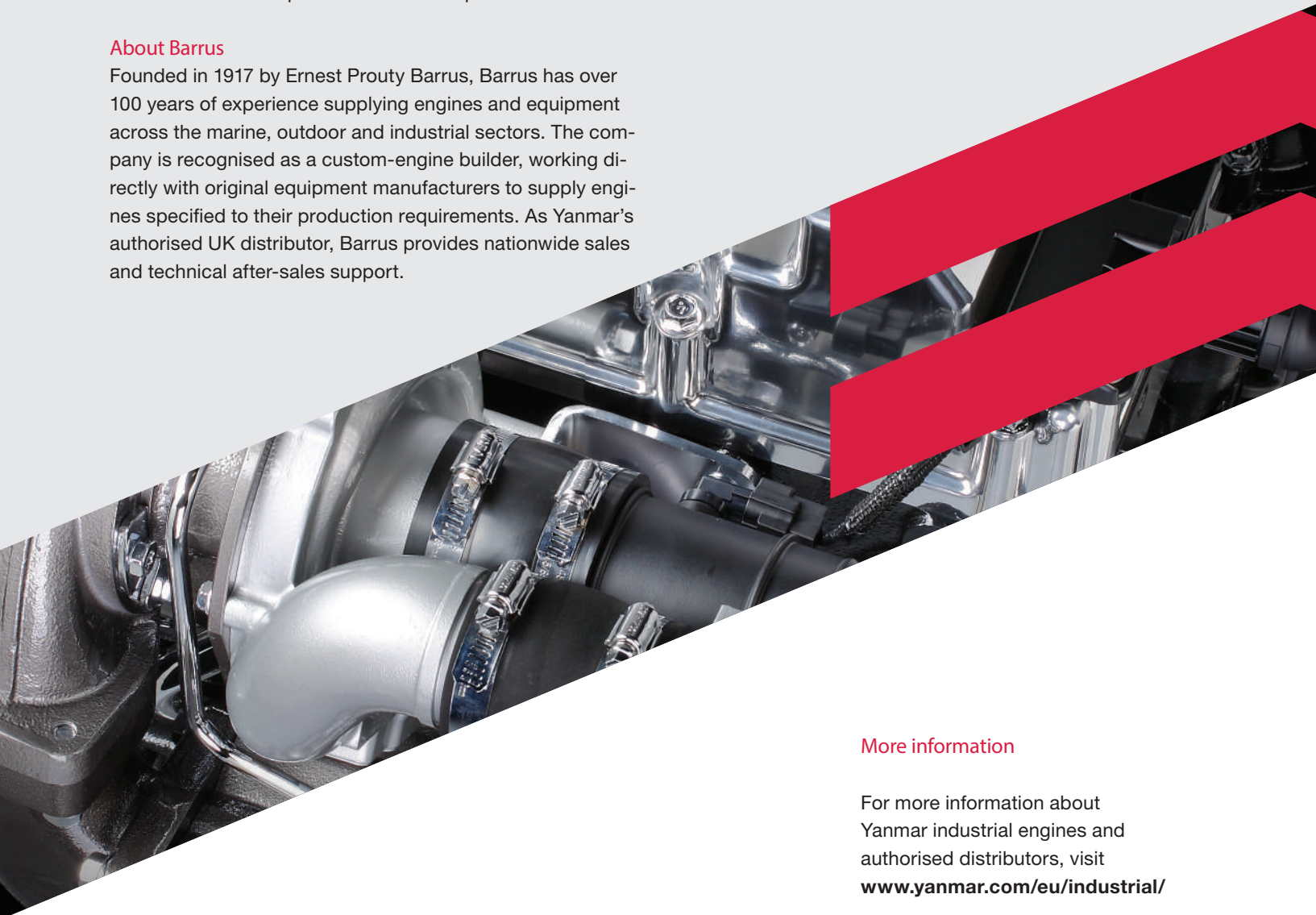
YANMAR

About Demon Pressure Washers

Founded in 1964, Demon Pressure Washers manufactures professional-grade pressure washers for commercial and industrial customers, originally supplying the construction industry before expanding into transport, hire and facilities management. The company produces a range of machines, including custom builds, and has applied over 40 years of research and development to its current product line.

About Barrus

Founded in 1917 by Ernest Prouty Barrus, Barrus has over 100 years of experience supplying engines and equipment across the marine, outdoor and industrial sectors. The company is recognised as a custom-engine builder, working directly with original equipment manufacturers to supply engines specified to their production requirements. As Yanmar's authorised UK distributor, Barrus provides nationwide sales and technical after-sales support.



More information

For more information about Yanmar industrial engines and authorised distributors, visit www.yanmar.com/eu/industrial/

For UK sales and support, contact Barrus at www.barrus.co.uk

