

18VP185 engine for Rail Traction

## New standards in power delivery and reliable operation

**Stockport, 25 November 2002.** The world beating VP185 range of engines includes the 18VP185 configuration, the most powerful engine in its class. Re-engineered for the Rail Traction market the engine is the solution for the next generation of low axle weight high-speed trains (HST's) for the UK and global markets.

This compact lightweight engine provides 3,100 kWb (4,155 bhp) at 1,800 rpm. Ensuring that it can power either 100 tonne four-axle locomotives or push-pull type HST power cars weighing in the region of 70 tonnes at speeds required by the industry, whilst minimising track access charges. The high power to weight ratio contributes to impressive acceleration and provides multi-stop passenger services with decreased journey times by quickly achieving maximum speeds. The engine is capable of providing ample power to achieve speeds of 125mph as well as the proposed future speeds of 140mph. This engine is also available at 1,500rpm and provides 2,800 kWb (3,753 bhp).

Day in, day out reliability is a critical performance indicator and the operating experience of the VP185 has proved excellent, with over 750,000 running hours aggregated across all applications. Individual engines in Australia have run for over 6,200 hours per year with outstanding availability for Countrylink who have re-engined their entire fleet to VP185 within the last two years.

The intelligent engineering used in the design of the VP185 range reduces; fuel, lubricating oil and maintenance costs and hence overall through-life operating expense. VP185's have

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already demonstrated robust performance, with earlier VP185 rail traction engines achieving over 24,000 hours to major overhaul. The minimal wear demonstrated at major overhaul confirms that further prolonged life is expected.

Chris Gallagher, Sales Director for Traction at MAN B&W Diesel Ltd, stated 'The extension of the VP range to include the 18VP185 for the Traction Market demonstrates our commitment to leading technological development in the international arena to meet our customers needs. This, together with our proven expertise and ability to provide design solutions, service and a wide product offering mean we will continue to lead the market in power and performance with excellent economy.'

The VP185 is currently a world leader in this market and the introduction of the 18VP185 configured for the Traction Market confirms that it will stay at the heart of the industry.

(388 words)

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#### **About MAN B&W Diesel**

The MAN B&W Diesel Group is the leading supplier of large Diesel engines for marine propulsion and power stations with unit outputs of up to 80 MW per engine. The two-stroke and four-stroke engines produced by MAN B&W Diesel and their licensees are, with a market share of approx. 50 percent, leaders on the world market with regard to the propulsion of large ocean-going vessels. Moreover, the company is one of the leading suppliers of Diesel power stations. The Group, with approx. 7 300 employees and manufacturing plants in Germany, Denmark, England, France, and Singapore, achieves an annual turnover of approx. 1.5 billion Euro. MAN B&W Diesel AG is a subsidiary of the MAN Aktiengesellschaft, Munich. The MAN Group is one of the leading European suppliers of capital goods in the fields of commercial vehicles, constructional engineering and engineering contracting with a turnover of approx. 16 billion Euro and 76 000 employees.

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