S.E.M.T. Pielstick — a brand of the MAN Diesel Group

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MAN Diesel SAS consolidates the Research and Development as well as Manufacturing, Sales and Servicing of the trade mark S.E.M.T. Pielstick.

S.E.M.T. Pielstick trade mark is recognized all around the world as a leader in the high and medium speed Diesel engines field. Its international character is further enhanced by a large network of license holders who rate among the leading industrial world groups.

The worldwide success of installations equipped with S.E.M.T. Pielstick engines is the result of a unique experience in the field of Diesel engines.

The S.E.M.T. Pielstick engines are of two types, covering a range from 500 kW to 28 000 kW (700 to 38 000 hp):

**High speed PA type** used for Merchant Marine (propulsion and gensets), for Navies (propulsion and gensets), for Land Traction (Diesel locomotives and Mining vehicles) and Diesel Power Plants (including emergency gensets for Nuclear Power Plants).

**Medium speed PC type** used for Merchant Marine (propulsion), for Navies (propulsion) and for Diesel Power Plants (including emergency gensets for Nuclear Power Plants).

**LIST OF LICENSEES**

### PA type DIESEL ENGINES

**PEOPLE’S REPUBLIC OF CHINA**
- Shaanxi Diesel Heavy Industry Co., Ltd. (Xian)
- Hudong Heavy Machinery (Shanghai)
**INDIA**
- Kirloskar Oil Engines Ltd
**JAPAN**
- Kawasaki Heavy Industries Ltd
- Niigata Power Systems Co Ltd
**REPUBLIC OF KOREA**
- Hyundai Heavy Industries
**U.S.A.**
- Fairbanks Morse Engineering-EnPr Industries, Inc.

**PC type DIESEL ENGINES**

**PEOPLE’S REPUBLIC OF CHINA**
- Shaanxi Diesel Heavy Industry Co., Ltd. (Xian)
- Hudong Heavy Machinery (Shanghai)
**JAPAN**
- Diesel United Ltd
- Niigata Power Systems Co Ltd
- JFE Engineering Corporation
**REPUBLIC OF KOREA**
- Hyundai Heavy Industries
- Doosan Engine Co., Ltd.
**U.S.A.**
- Fairbanks Morse Engineering-EnPr Industries, Inc.

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**S.E.M.T. Pielstick PA type high speed Diesel Engines**

The PA range of high-speed diesel engines offers four cylinder bores:

**PA4-185** rated from 590 kW to 2 215 kW (800 HP to 3,000 HP) and from 1 200 to 1 500 rpm.

**PA4-200** rated from 1 060 kW to 2 650 kW (1,440 HP to 3,600 HP) and from 1 200 to 1 500 rpm.

**PA5** rated from 840 kW to 3 960 kW (1,200 HP to 5,400 HP) and from 900 to 1 000 rpm.

**PA6** rated from 1 630 kW to 8 100 kW (2,220 HP to 11,000 HP) and from 720 to 1 050 rpm.

The PA types are fitted with a variable geometry combustion chamber. The PA6 type comprises CL version so-called long-stroke and B version with improved performances as well as STC version (Sequential Turbo-Charging) for marine applications. These engines run on diesel-oil as well as on heavy residual fuels.

Low emissions versions are obtained by special matching. These engines are used in marine propulsion including high speed ferries, railway traction, dumpers, base power generation and generating sets including nuclear power plants.

**S.E.M.T. Pielstick PC type medium-speed Diesel Engines**

The PC range of medium-speed diesel engines offers two cylinder bores:

**PC2** rated from 3 300 kW to 15 000 kW (4,490 HP to 20,408 HP) and from 500 to 600 rpm in two versions:
- version PC2-6 B rated at 550 kW/cyl. (747 HP/cyl.)
- version PC2-6 B rated at 750 kW/cyl. (1,020 HP/cyl.)

**PC4** rated from 6,625 kW to 28 000 kW (9,000 HP to 38 040 HP) and from 360 to 430 rpm in three versions:
- version PC4-2 rated at 1 215 kW/cyl. (1,650 HP/cyl.)
- version PC4-2 B rated at 1 400 kW/cyl. (1,900 HP/cyl.)
- version PC4 L rated at 1 325 kW/cyl. (1,800 HP/cyl.)

These engines run on diesel-oil as well as on heavy residual fuels. The PC2 engines are available in gas version.

Low emissions versions are obtained by special matching. The engines are used in marine propulsion and land-based power generation applications including nuclear power plants.

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MAN Diesel SAS, owner of the registered trademark S.E.M.T. Pielstick, reserves the right to change design or specifications without notice.