

Steam Turbine Specifications

DE PRETTO INDUSTRIE, SCHIO Steam Turbine—Impulse Technology, ITALY

MODEL	POWER RANGE (MW)	SPEED RANGE (RPM)	RATED INLET PRESSURE (BAR A)	RATED INLET TEMPERATURE (°C)	INLET CONTROL TYPE	CONTROLLED EXTRACTIONS (#)	EXHAUST
DPRA	0.2-5	5,000-15,000	100	510	Sliding/Fixed Pressure	0-1	Radial
DRPG	0.2-5	5,000-15,000	100	510	Sliding/Fixed Pressure	0-1	Radial

De Pretto Industrie is an Italian turbomachinery manufacturer. The company was established in 1885 and for more than 80 years has been part of leading global organizations.

De Pretto Industrie is today an Independent company acting as an Original Equipment Manufacturer (OEM) for new steam turbine generator sets up to 50MW but also as an Independent Service Provider (ISP) of any rotating equipment manufactured by any OEMs in the market, thanks to its reverse engineering capabilities and its broad team of qualified engineers covering all key domains (thermodynamic/construction/instrumentation&control/electrical/auxiliaries).

De Pretto Industrie has extensive competences and references in repair, conversions, modifications and upgrades (CMUs) of turbomachinery and is able to develop customized solutions for each product and make. One stop solution provider for any rotating equipment, repair in emergency situations, OEM-equivalent warranties as well as cost and lead time advantages are the main benefits we can provide our customers with. Innovative thinking is applied to manufacturing and upgrading of turbomachinery control systems according to the highest market standards, latest normatives and best practices.

De Pretto Industrie always applies a customized and tailor-made approach on all its projects minimizing at the same time capital and operating expenditures for the end-users.

DE PRETTO INDUSTRIE, Steam Turbine—Reaction Technology, SCHIO, ITALY

MODEL	POWER RANGE (MW)	SPEED RANGE (RPM)	RATED INLET PRESSURE (BAR A)	RATED INLET TEMPERATURE (°C)	INLET CONTROL TYPE	CONTROLLED EXTRACTIONS (#)	EXHAUST
DK	3-50	4,500-13,000	120	530	Sliding/Fixed Pressure	0-2	Radial/Axial
DG	1, 5-50	4,500-15,000	120	530	Sliding/Fixed Pressure	0-2	Radial

DOOSAN ŠKODA POWER, CZECH REPUBLIC

ELECTRIC POWER GENERATION			ELECTRIC POWER GENERATION		
ELECTRIC UTILITY MW RANGE		INDUSTRIAL MW Range	COMBINED CYCLE MW Range	MARINE HP Range	OTHER HP Range
Fossil Fueled	Nuclear				
up to 900	up to 1,200	up to 350	up to 400	—	3,000 - 12,000

Doosan Škoda Power is part of a strong group of companies united under the Doosan Group, which supplies leading technologies and services of the highest quality and value to customers all over the world.

Doosan Škoda Power is a leading global manufacturer and supplier of power plant equipment, especially steam turbine/generator sets with outputs between 3 and 1,200 MW. The company has extensive experience and references in applications for steam such as fossil power plants, CHP plants, nuclear power plants and solar power plants (CSPs), biomass incineration plants etc.

Wide range of aftermarket services includes retrofits and modernization (R&M) of existing installed OEM and non-OEM equipment, commissioning and long-term service including spare parts delivery. Annual research and development investments guarantee high quality products that meet specific customer requirements. www.doosanskodapower.com

ELLIOTT GROUP, JEANNETTE, PENNSYLVANIA, U.S.A. AND SODEGAURA, CHIBA, JAPAN

ELECTRIC POWER GENERATION			MECHANICAL DRIVE		
ELECTRIC UTILITY MW RANGE		INDUSTRIAL MW Range	Process hp Range	MARINE HP Range	OTHER HP Range
Fossil Fueled	Nuclear				
0-50	—	0-130	0-175,000	—	0-175,000

Elliott designs, manufactures, tests, installs, services and repairs steam turbines for industrial power generation and mechanical drive service. Dependable, versatile turbomachinery is essential for today's refinery and chemical processes, industrial applications, and power generation use. Elliott steam turbines yield proven reliability and high efficiency which make them a key element of successful mechanical drive or power generation services. Elliott offers a complete line of steam turbines ranging up to 175,000 HP (130,000 kW) capable of inlet steam conditions up to 2,200 PSIG 151 (151 BarG) and 1050°F (565°C). Elliott's steam turbines are available in multiple configurations including condensing and back pressure designs, single and multiple valve designs, and multiple controlled and uncontrolled extractions or inductions. Elliott steam turbines can operate at speeds up to 16,000 RPM making them suitable as drivers for equipment such as pumps, fans, compressors, and generators. With manufacturing headquarters in Sodegaura, Japan and Jeannette, Pennsylvania along with an extensive network of service shops strategically located worldwide, Elliott is exclusively situated to provide design, manufacturing, testing, installation, and service to steam turbines for global industrial power.