

# Steam Turbine Specifications

## ANSALDO ENERGIA, GENOA, ITALY

MODEL	POWER RATING (MW)	THERMAL CYCLE TYPE	APPLICATION	CONFIGURATION	Grid Freq. (Hz)	Inlet Temp. (°C)	Inlet Pressure (bar)
GT series	15–150	—	Geothermal	1 to 2 cylinder	50/60	Up to 240	Up to 20
MT10	40–250	Non-Reheat	Combined Cycle, Fossil, Solar	1-cylinder	50/60	Up to 565	Up to 140
MT20	100–350	Non-Reheat	Combined Cycle, Fossil, Cogeneration	2 to 3 cylinder	50/60	Up to 565	Up to 140
MT15	100–300	Reheat	Combined Cycle, Fossil, Solar	2-cylinder	50/60	Up to 600/585	Up to 170
RT30	150–1000	Reheat	Combined Cycle, Fossil, Cogeneration	3 to 5 cylinder	50/60	Up to 600/620	Up to 280

1 shp base. Note: Estimates are for natural gas fuel

## BAKER HUGHES, Steam Turbine—Impulse Technology, LE CREUSOT, FRANCE

MODEL	POWER RATING (MW)	SPEED RANGE (RPM)	RATED INLET PRESSURE (BAR A)	RATED INLET TEMPERATURE (°C)	INLET CONTROL TYPE	CONTROLLED EXTRACTIONS (#)	EXHAUST
MP	2–30	3,000–13,000	140	525	Sliding/Fixed Pressure	0–1	Radial
MC	2–45	3,000–13,000	140	525	Sliding/Fixed Pressure	0–1	Radial/Axial
BFPT	5–45	4,000–15,000	170–280	565–575	Sliding/Fixed Pressure	—	Radial
P	1–6	5,000–13,000	90	480	Sliding/Fixed Pressure	0–1	Radial, Max 20 BARA
C	1–6	5,000–13,000	90	480	Sliding/Fixed Pressure	0–1	Radial

MP = Multivalves—Backpressure Type, MC = Multivalves—Condensing Type, BFPT = Boiler Feed Pump Turbine, P = Single valve—Backpressure Type, C = Single valve—Condensing Type

## BAKER HUGHES, Steam Turbine—Reaction Technology, FLORENCE, ITALY

MODEL	POWER RATING (MW)	SPEED RANGE (RPM)	RATED INLET PRESSURE (BAR A)	RATED INLET TEMPERATURE (°C)	INLET CONTROL TYPE	CONTROLLED EXTRACTIONS (#)	EXHAUST
SC/SAC	2 - 150	3,000–15,000	140	565	Sliding/Fixed Pressure	0–2	Radial/Axial
SNC/SANC	2–100	3,000–15,000	140	565	Sliding/Fixed Pressure	0–2	Radial, Max 60 BARA
A5/A9	20–100	3,000–3,600	140	565	Sliding/Fixed Pressure	—	Axial
SG	5–40	3,000–3,600	30	300	Sliding/Fixed Pressure	—	Radial/Axial
SDF	10–80	3,000–3,600	30	300	Sliding/Fixed Pressure	—	Double Flow

SC = Condensing Type, SAC = Condensing Type with Controlled Extractions, SNC = Backpressure Type, SNC = Backpressure Type with Controlled Extractions, A5/A9 = Single Casing Reheat, SG = Geothermal Applications, SDF = Double Flow