C140-8.83/0.883 steamturbine generator Supply Basic Information

Parameter and scope of supply:

Basic technical parameters of the unit:

Steam Turbine Model C140-8.83/0.883

Rated power (MW) 140

Maximum power (MW) 155 (extraction ≥ 50t / h)

Maximum condensing power (MW) 140

Rated speed (r/min) 3000

Rated intake pressure (Mpa) 8.83±0.49

Rated near-term temperature (°C) 535±(5-10)

Rated intake air volume (t/h) 576

Maximum intake air volume (t/h) 636

Rated / maximum pumping capacity (t / h) 100 / 200

Rated exhaust pressure (Mpa) 0.0048

Cooling water temperature normal / highest (°C) 20/33

Pure condensation heat rate (Kj/Kwh) 9155.4

Pure condensing rate (Kj/Kwh) 3.601

Manufacturer Wuhan Turbine Generator Factory

Generator model QF-155-2

Power Rating (MW) 155

Rated voltage (v) 13800

Current Rating (A) 7383

Rated excitation voltage (v)

Rated excitation current (A) 1434

Rated speed (r/min) 3000

Frequency (Hz) 50

Power factor 0.85

Insulation class / use level F / B level

Manufacturer Wuhan Turbine Generator Factory

Scope of supply (single set unit)

Turbine

1) Turbine body (including high and low pressure cylinders. High and low pressure rotors. Separators, nozzles, steam seals, etc.);

2) Turbine front and rear frame. Rear cylinder guide, thrust bearing and support bearing, anchor bolt, adjusting diagonal horn, local speed measuring device;

3) Coupling and turning device; top shaft device