

24.5MW Condensing Steam Turbine-Generator Set



Year of Manufacture: 2013

Condition: New, Unused.

Operating Hours: 0

Status: Installed

TURBINE:

Manufacturer:	Siemens
Model:	SST 400
Type:	Condensing
Economical Rating:	20,580 kWe
Maximum Continuous Rating:	24,560 kWe
Rated Speed:	4,460 rpm
Inlet Flow Rated / Maximum:	61,000 kg/h / 93,260 kg/h
Inlet Pressure Rated / Maximum:	46 bar abs. / 48.3 bar abs.
Inlet Temperature Rated / Maximum Continuous Rating:	400 °C / 408°C
Secondary Admission:	
Rated Pressure:	4.49 Bar abs.
Rated Flow:	10,256 kg/h
Rated Temp	260°C
Exhaust Pressure Rated:	0.071 bar abs.
Exhaust Temperature Rated:	39 C
Performance:	
Zero Secondary Admission:	
Inlet Flow:	93,260 kg/h
Inlet Pressure:	46 bar abs.
Inlet Temperature:	400 C
Exhaust Pressure:	0.071 bar abs.
Power:	23,900 kWe
Full Secondary Admission:	
Inlet Flow:	93,260 kg/h
Inlet Pressure:	46 bar abs.
Inlet Temperature:	400 C
Exhaust Pressure:	0.071 bar abs.
Power:	24,560 kWe

GEARBOX:

Manufacturer:	Lufkin
Input Speed:	4,500 RPM
Output Speed:	1,500 RPM

ALTERNATOR:

Manufacturer:	Brush
Rated Capacity:	30,900 KVA
Power Factor:	0.8
Speed:	1,500 RPM
Frequency:	50 Hz
Voltage:	11,000 v

CONDENSER:

Manufacturer:	Tema (India)
Type:	Water-Cooled (Surface)









