

11387 KW Back pressure steam turbine generator set

TURBINE:

11387 kw Elliott multi stage backpressure steam turbine, 6000 rpm, inlet steam 600-850 psig, 750 to 870 deg f, exhaust 150 to 200 psig, CCW rotation looking from governor end, Woodward 505 governor. Inlet size: 10" class 900 side, Exhaust size: 18" class 300 down. 4 stages, Type: SQV4, maximum steam flow 300,000 lbs/hr

GEAR REDUCER: 6000 rpm to 1800 rpm

GENERATOR:

ABB 13875 kva, 11,100 kw, 4160 v, 3 phase, 60 hz. TEWAC, brushless exciter. 1800 rpm

SCOPE OF SUPPLY:

Steam turbine, gear reducer, generator, trip and throttle valve, lube oil system
Generator terminal box with surge protection system, ct's, pt's
Woodward 505 governor turbine control panel, generator breaker and generator relays
Local turbine gauge board.
Neutral ground resistor
Manuals and drawings

History unit built 2001 shutdown 2015



