



2500 KW Condensing steam turbine generator set

TURBINE:

Dresser-Rand frame S-6, 2500 kw single valve multi stage condensing steam turbine, 6000 rpm, inlet steam 200 to 300 psig, 500 to 600 deg f, exhaust 2" hga, CW rotation looking from governor end, 1 curtis 6 rateau stages, woodward 505 governor. 6" class 600 inlet size, 30" class 125 up exhaust. Hand valve for part load operation. Lube oil system, gland steam condenser.

GENERATOR:

Ideal 2941 kva, 2500 kw, 4160 v, 3 phase, 60 hz. Air cooled with brushless exciter. 1800 rpm

CONDENSER:

Graham surface condenser, 3271 sq. ft, 43,000 lbs/hr steam condensed.

SCOPE OF SUPPLY:

Steam turbine, gear reducer, generator, trip and throttle valve, lube oil system mounted on common skid

Condenser, air ejector, condensate extraction pumps with motor

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 1995 and ran only 8900 hours

