

ELLIOTT MULTI YR TURBINE ... produce more power without additional steam consumption



Benefits

- Improved efficiency
- Low cost
- Standardized parts
- Flexibility to meet customer needs
- Meets the demanding standards of API 611 and API 612

For improved steam consumption, Elliott engineers designed the Multi-YR Turbine product line. This design combines the reliability and parts interchangeability of our popular single-stage YR turbine with the power and efficiency of our traditional multistage turbines. Because the Multi-YR produces more horsepower without additional steam, it can be mounted in many areas where single-stage steam turbines are currently operating. Multi-YR turbines are available up to 10,000 hp (7500 kW).

General specifications English/Metric

Frame	2DYR3	2DYR5	2DYR7
Inlet Pressure (psig/bar)	to 900/62	to 900/62	to 900/62
Inlet Temperature (°F/°C)	to 900/482	to 900/482	to 900/482
Exhaust Pressure (psig/bar)	Condensing to 250/17.2	Condensing to 250/17.2	Condensing
Wheel Pitch Diameter (in./mm)	28/710	28/710	28/710
Maximum Speed (rpm)	8500	8500	7000
Maximum Number of Stages	4	6	9
Inlet Sizes (ANSI, in.)	4, 6, 8, 10	4, 6, 8, 10	4, 6, 8, 10
Exhaust Sizes (ANSI, in.)	14, 24, 30	14, 24, 30	30, 36, 42
Power (hp/kW)	to 5000/3730	to 7000/5222	to 10000/7500
Approximate Shipping Weight (lb/kg)	to 9500/4310	to 10000/4535	to 17000/7710

Typical steam rate improvement

Multi-YR versus single stage turbine
 600 psig, 750° F, 75 psig
 (41.4 bar, 400° C, 5.2 bar)
 3600 r/min

