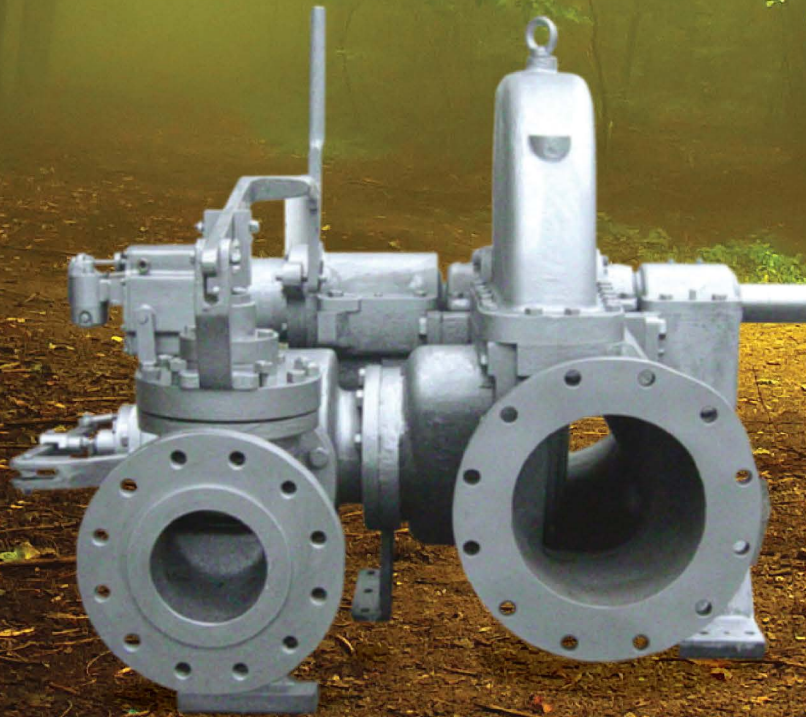


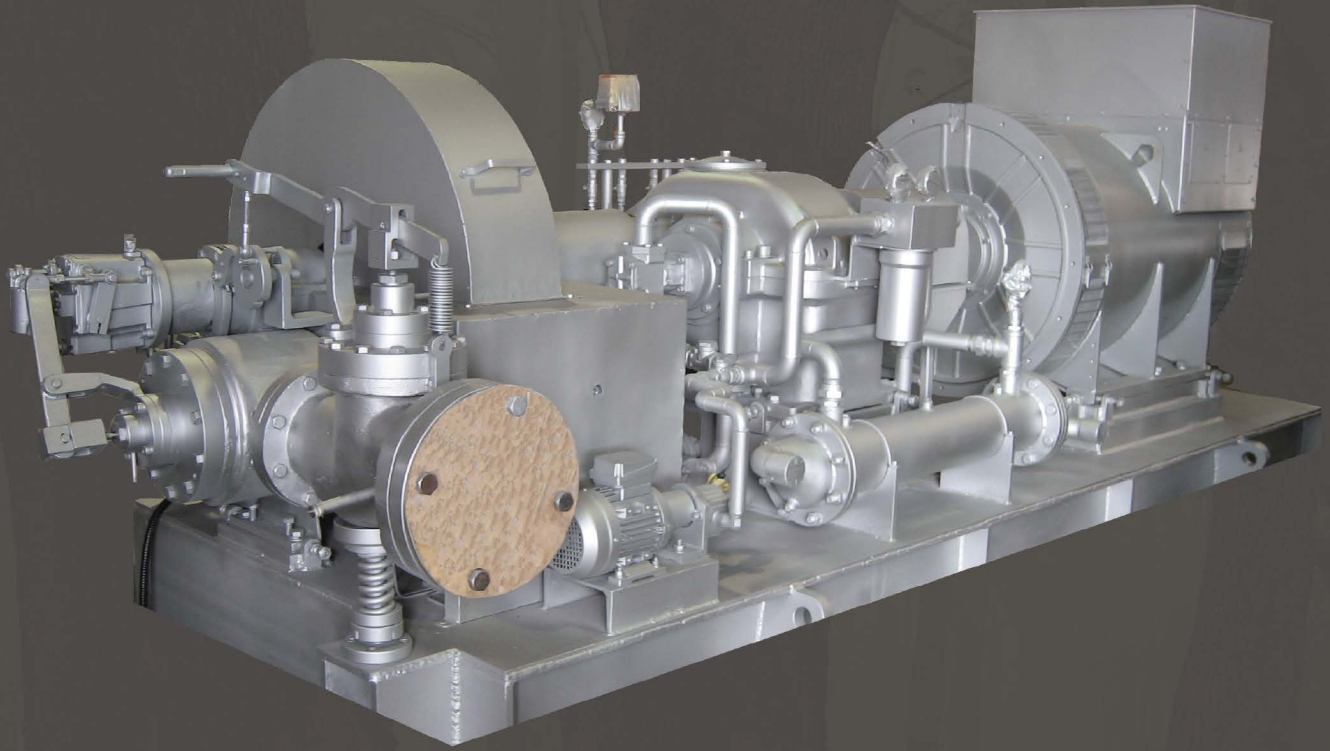
PRIME

H LINE

SingleStageSteam
TURBINES



HIGH PERFORMANCE - EASY MAINTENANCE - MORE HORSEPOWER PER DOLLAR



PRIME SINGLE-STAGE “H” LINE STEAM TURBINES

are designed in the USA for stationary applications as mechanical drivers or electric power turbine generator packages with power range capabilities up to 3 MW of power.

Reliability, maximum availability and performance are success factors that make Prime steam turbines extremely cost effective. Our goal with Prime “H” line turbines is to bring the American design turbine experience with its well-known low maintenance and robust construction and superior performance at a more affordable price to the market.

HLINE TECHNICAL FEATURES

Accessibility

- ▶ Dual exhaust ports for ease of customer piping connection

Reliability

- ▶ Custom suspension system to reduce overall vibration which lowers turbine maintenance cost and increases performance.
- ▶ Enhanced locking mechanism on rotor wheel to prevent axial movement of rotor relative to shaft which is common phenomenon in other turbines.
- ▶ Superior blade design suitable for saturated steam operation available to further increase steam path reliability.

Serviceability

- ▶ API compliance and designed for lowest maintenance
- ▶ In-between bearing type rotor design

Flexibility

- ▶ Custom design to customer requirement. Carbon ring or labyrinth end seals, drill & ream nozzle or profiled nozzle ring, anti-friction ball thrust bearing or tilting pad thrust bearing, sleeve journal bearing or tilting pad journal bearing available according to operational conditions and requirements.

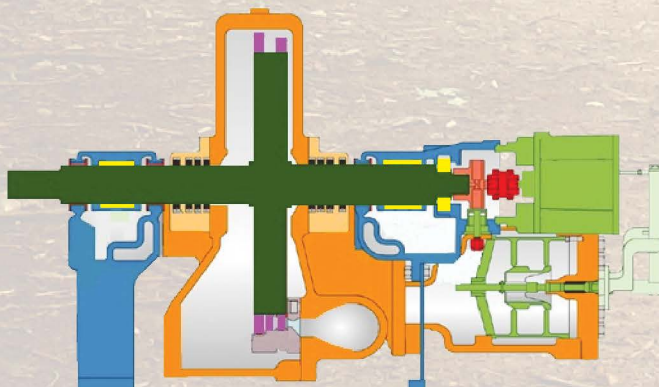
Performance

- ▶ Superior partial load performance with custom designed nozzle to load and proper configuration & selection with segmented hand valve control.



SPECIFICATIONS

Item	Type	19H	24H	28H	28HX
1	Max. Inlet Press. (psi)	700	700	700	700
2	Max. Inlet Temp. (F)	750	750	750	750
3	Max. Exhaust Press. (psi)	vac - 100	vac - 100	vac - 100	vac - 100
4	Speed Range (RPM)	1000-5500	1000-5500	1000-5500	1000-5500
5	Max. Power (kW)	1000	1850	2600	3000
6	Max Inlet Diameter (inches)	4	6	6	8
7	Max Exhaust Diameter (inches)	8/10	10/14	12/18	12/18
8	Hand Control Valves	0-2	0-2	0-2	0-2

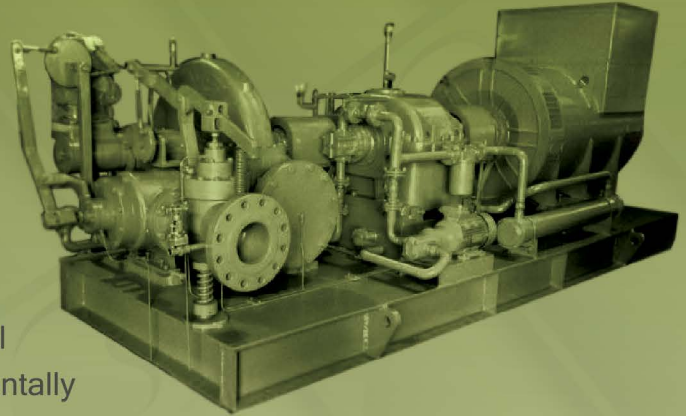


ARE FULLY EQUIPPED WITH

- ▶ Speed Control Governors
- ▶ Independent Overspeed Trip
- ▶ Sentinel Warning Valve
- ▶ Carbon Ring Packing
- ▶ One Stage Curtis-Type Rotor
- ▶ Stainless Steel Blades
- ▶ Steel Backed Babbitt Bearings
- ▶ Oil Lubrication
- ▶ Centerline Support

When the primary consideration is the initial cost of a turbine for low to medium power applications; PRIME turbine units are the ideal choice.

They have proven their performance as reliable, low maintenance mechanical drive and generator applications. These horizontal shaft turbines feature heavily ribbed, horizontally split casings designed for easy access to turbine components.



“PRIME “H” Line Single Stage Steam Turbine can be designed to customer specification with superior part load performance. It incorporates the best features & values from all commercially available turbines in terms of cost, delivery, reliability and performance.”

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Your Local Representative :