

Distinguish, differentiate, compare and explain what is the main difference between Kaplan and Francis Turbine in mechanical engineering. Comparison and Differences.

Difference between Kaplan and Francis Turbine

1. In Kaplan turbine, water enters the runner vanes axially and leave axially hence it is called axial flow turbine. In Francis turbine, water enters the runner vanes radially and leaves axially hence it is called a mixed flow turbine.
2. In Kaplan turbine, the number of blades in the runner is generally between 3 and 8. In Francis turbine, the number of blades in the runner is generally between 16 and 24.

Steady Run