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equation, and the second law of thermodynamics.

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kilogram (kg), second (s) and thermodynamic temperature (K). All the other units used in this book are derived from these basic units. The unit of force is the newton. (N), defined as that force which, when applied to a mass of 1 kilogram, gives an acceleration to the mass of  $1 \text{ m/s}^2$ .

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radial flow gas turbines, hydraulic turbines, and wind turbines.

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10 Fluid Mechanics, Thermodynamics of Turbomachinery. conditions fluctuate, sophisticated systems of control may incorporate an electronic computer. The lines (a) and (c) in Figure 1.5 show the efficiency curves at other blade settings.

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Each of these curves represents, in a sense, a different constant geometry machine.

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