$\dfrac{p_{03}}{p_{02}}$

Surge line

Operating line

C

$\dfrac{N}{\sqrt{\Theta}} = \dfrac{10000\text{RPM}}{\sqrt{255/288}}$

B

A

$\dfrac{N}{\sqrt{\Theta}} = \dfrac{5000\text{RPM}}{\sqrt{255/288}}$

$\dfrac{\dot{m}\sqrt{\Theta}}{\delta}$

3

C

T

2

$\Theta = T_{02}/T_{\text{std}}$

$\delta = p_{02}/p_{\text{std}}$