

Summary: The states of pressure and temperature are:

	P	T
1	40	238.15
2	61.62	269.44
3	94.89	304.81
4	94.89	1223.15
5	85.63	1187.78
6	40	955.63

Along with that, the propulsion force came to be 127,309.83 N.

Materials: Air

Analysis: After a look back at my work I noticed that I did not use either efficiency given in the problem. I feel confident in my solution without their use, but if it was a mistake, would you mind guiding me in the right direction? Thank you professor.