

```
mdotC = 'core mass flow';
mdotB = 'bypass mass flow';
mdotf = 'fuel mass flow';
F = 'thrust';
f = 'fuel to air ratio';
```

ENGLISH UNITS

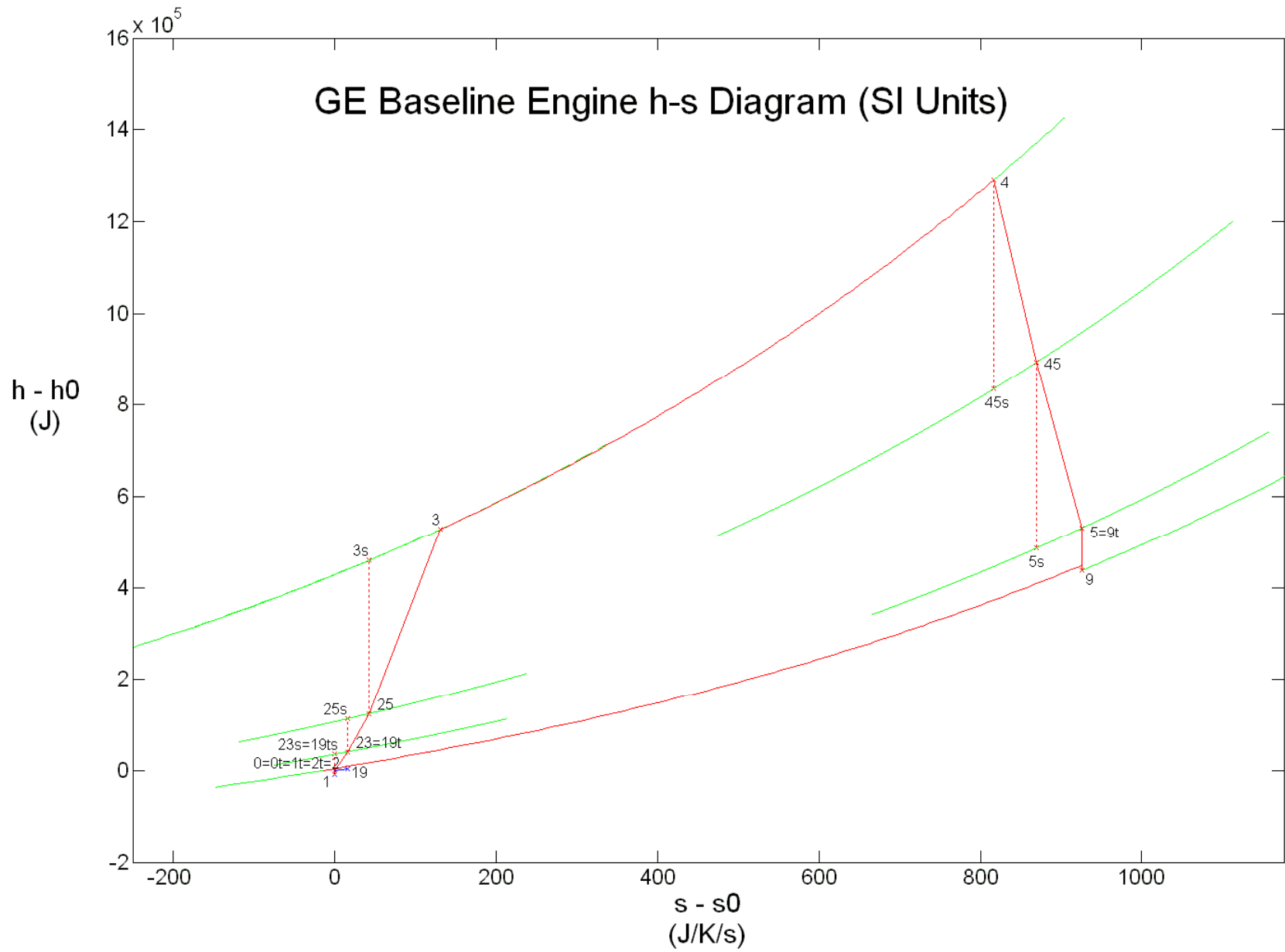
mdot	mdotC	mdotB	F	SFC	mdotf	f		
423.74	60.53	363.20	12679.49	0.316	1.113	0.018		
Pt1	Pt2	Pt23	Pt25	Pt3	Pt4	Pt45	Pt5	
14.70	14.70	22.04	44.09	352.70	352.70	100.79	22.41	
Tt1	Tt2	Tt23	Tt25	Tt3	Tt4	Tt45	Tt5	
59.00	59.00	132.19	281.11	1005.07	2200.00	1578.01	1009.91	
M9	M19							
0.82	0.78							

METRIC UNITS

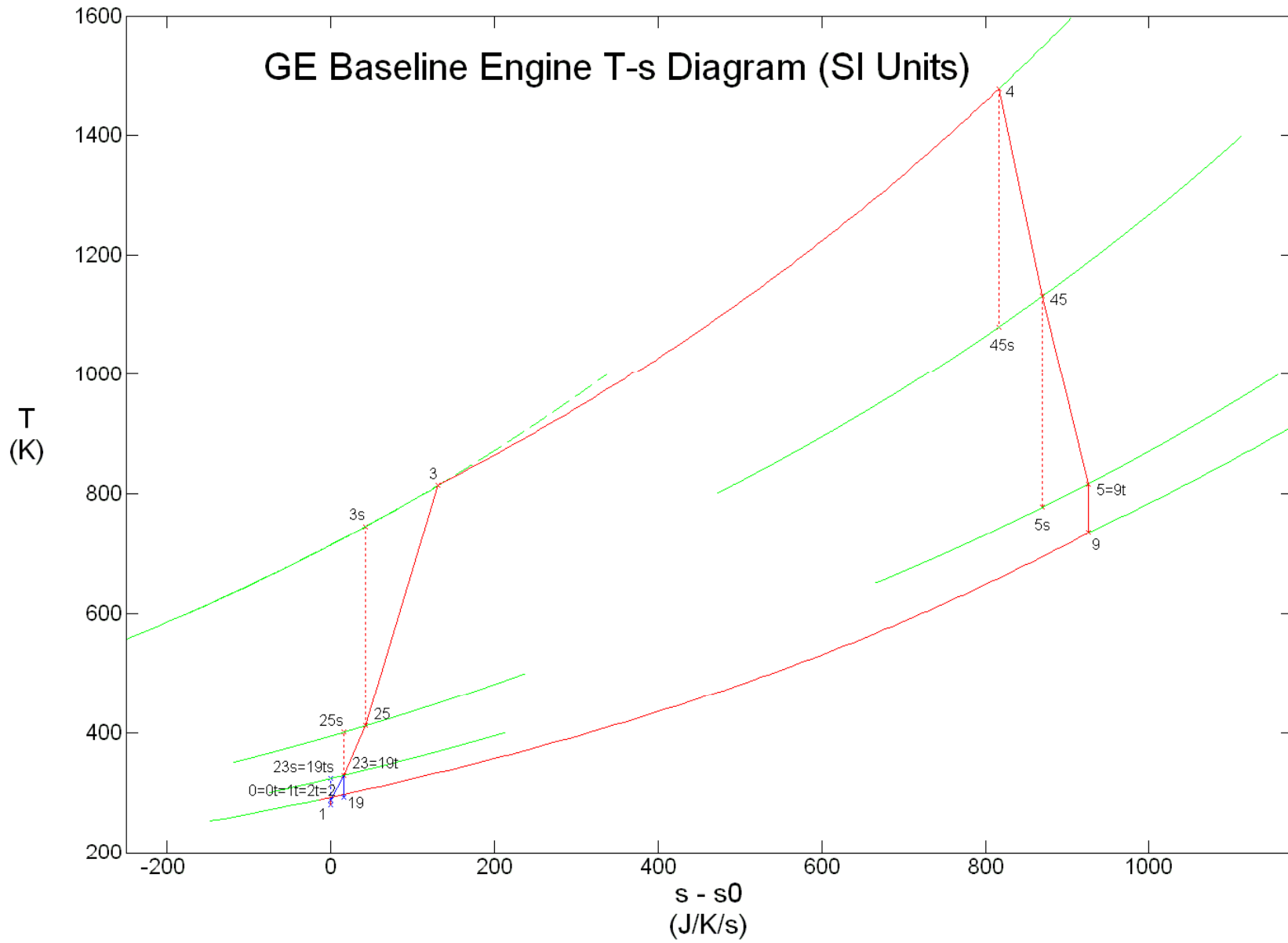
mdot	mdotC	mdotB	F	SFC	mdotf	f		
192.21	27.46	164.75	56400.93	0.032	0.505	0.018		
Pt1	Pt2	Pt23	Pt25	Pt3	Pt4	Pt45	Pt5	
1.01	1.01	1.52	3.04	24.32	24.32	6.95	1.55	
Tt1	Tt2	Tt23	Tt25	Tt3	Tt4	Tt45	Tt5	
288.00	288.00	328.66	411.40	813.60	1477.44	1131.89	816.28	
M9	M19							
0.82	0.78							

Two baseline engines do not meet thrust requirement: $F_{net} = 25,360 < 36,000$ lbf

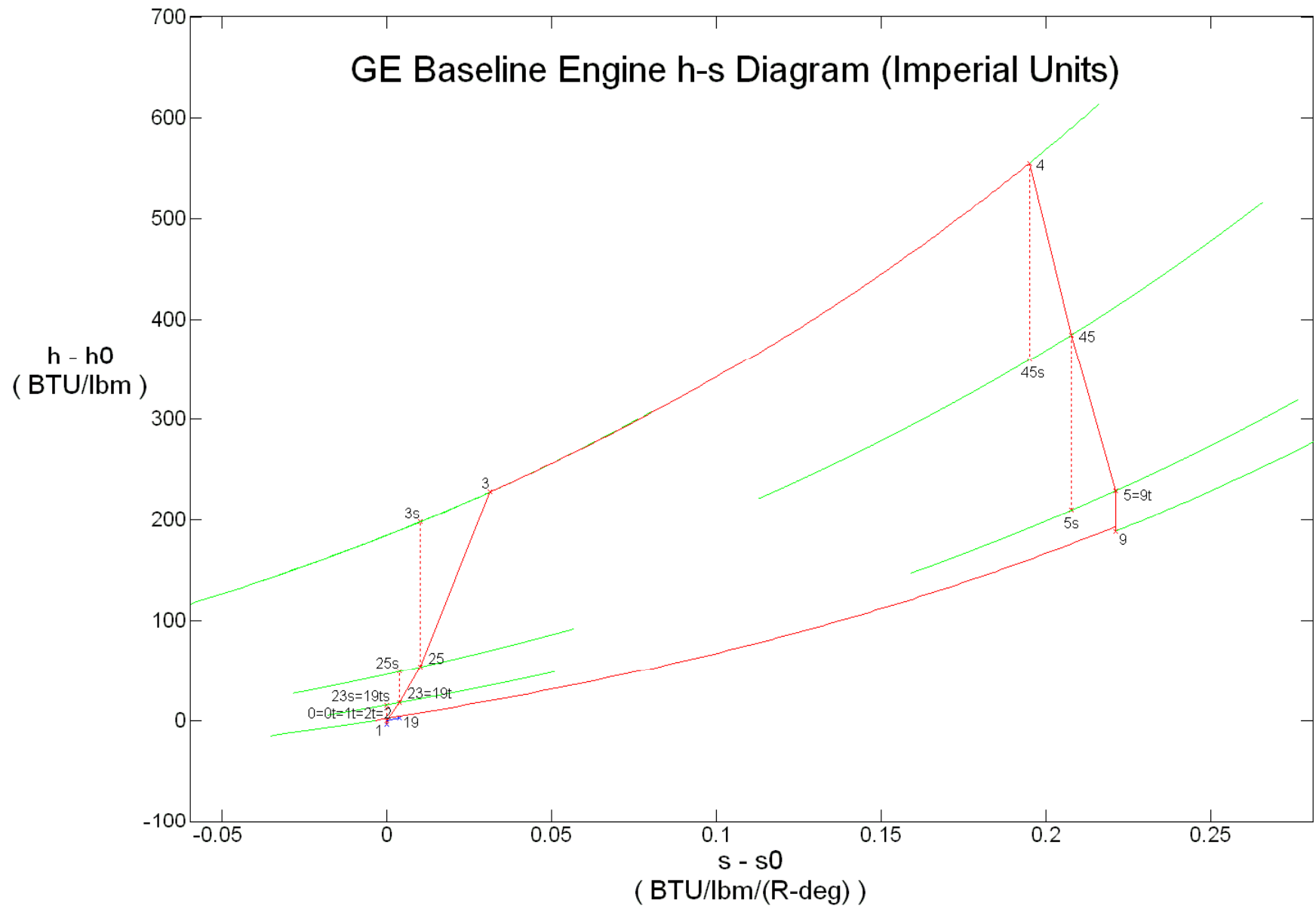
Baseline engine meets SFC requirement: $SFC = 0.316 < 0.320$ (lbm/hr)/lbf



GE Baseline Engine T-s Diagram (SI Units)



GE Baseline Engine h-s Diagram (Imperial Units)



GE Baseline Engine T-s Diagram (Imperial Units)

