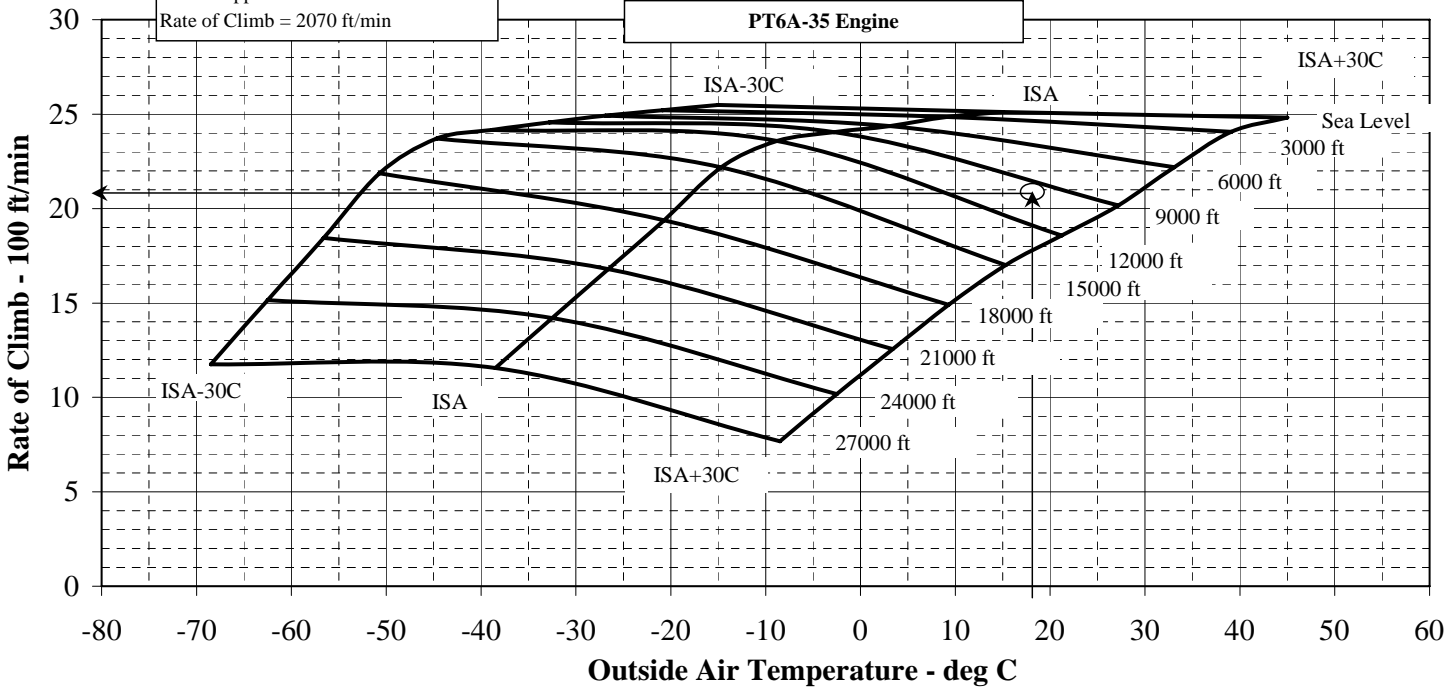


Example:
 OAT = +18 C
 Pressure Alt = 10000 ft
 OAT is approx. ISA+20 C
 Rate of Climb = 2070 ft/min

Rate of Climb
 JetProp Max Climb Performance

Max Climb Power
 4300 lbs
 2200 RPM
 110 KIAS



JetProp Cruise Performance PT6A-35 Engine/2190 RPM

Pressure Altitude = 6000 ft

Torque ft-lb	ISA-30° C (-26.9° C)			ISA (3.1° C)			ISA+30° C (33.1° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	123	189	28.2	124	193	28.8	129	197	29.4
500	144	208	31.0	149	213	31.8	151	219	32.7
600	159	223	33.3	164	229	34.2	169	237	35.4
700	172	237	35.4	177	244	36.4	182	252	37.6
800	181	253	37.8	188	259	38.7	194	266	39.7

Pressure Altitude = 9000 ft

Torque ft-lb	ISA-30° C (-32.8° C)			ISA (-2.8° C)			ISA+30° C (27.2° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	125	176	26.3	127	180	26.9	127	185	27.6
500	150	192	28.7	154	197	29.4	157	204	30.4
600	165	206	30.7	171	213	31.8	175	219	32.7
700	177	221	33.0	183	228	34.0	188	234	34.9
800	188	237	35.4	195	243	36.3	200	249	37.2
900	-	-	-	-	-	-	210	265	39.6

Pressure Altitude = 12000 ft

Torque ft-lb	ISA-30° C (-38.8° C)			ISA (-8.8° C)			ISA+30° C (21.2° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	129	163	24.3	131	168	25.1	131	173	25.8
500	155	177	26.4	160	182	27.2	162	188	28.1
600	171	192	28.7	177	197	29.4	182	203	30.3
700	182	207	30.9	189	213	31.8	195	217	32.4
800	194	223	33.3	201	229	34.2	207	233	34.8
900	-	-	-	210	245	36.6	218	252	37.6

Notes:

- 1) True Airspeeds Above May Exceed V_{mo} (172 KIAS) and are shown for Interpolation and Illustration Only; Do Not Exceed V_{mo}
- 2) Shaded Areas Denote Max Range Conditions (No Wind)

JetProp Cruise Performance PT6A-35 Engine/2190 RPM

Pressure Altitude = 15000 ft

Torque ft-lb	ISA-30° C (-44.7° C)			ISA (-14.7° C)			ISA+30° C (15.3° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	134	152	22.7	137	155	23.1	135	161	24.0
500	160	165	24.6	165	170	25.4	168	175	26.1
600	177	180	26.9	184	185	27.6	188	190	28.4
700	188	198	29.6	195	202	30.1	202	206	30.7
800	200	215	32.1	207	219	32.7	213	224	33.4
900	209	232	34.6	218	237	35.4	225	243	36.3

Pressure Altitude = 18000 ft

Torque ft-lb	ISA-30° C (-50.7° C)			ISA (-20.7° C)			ISA+30° C (9.3° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	143	142	21.2	147	145	21.6	147	150	22.4
500	170	155	23.1	174	159	23.7	178	164	24.5
600	185	172	25.7	192	175	26.1	198	180	26.9
700	197	188	28.1	205	193	28.8	213	197	29.4
800	209	205	30.6	217	210	31.3	224	215	32.1
900	218	226	33.7	228	229	34.2	236	234	34.9

Pressure Altitude = 21000 ft

Torque ft-lb	ISA-30° C (-56.6° C)			ISA (-26.6° C)			ISA+30° C (3.4° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	158	132	19.7	162	136	20.3	162	139	20.7
500	184	146	21.8	190	151	22.5	194	154	23.0
600	200	163	24.3	208	167	24.9	215	172	25.7
700	213	181	27.0	222	185	27.6	229	190	28.4
800	225	200	29.9	235	204	30.4	243	209	31.2
900	236	222	33.1	245	225	33.6	254	230	34.3

Notes:

1) True Airspeeds Above May Exceed V_{mo} (172 KIAS) and are shown for Interpolation and Illustration Only; Do Not Exceed V_{mo}

2) Shaded Areas Denote Max Range Conditions (No Wind)

JetProp Cruise Performance PT6A-35 Engine/2190 RPM

Pressure Altitude = 24000 ft

Torque ft-lb	ISA-30° C (-62.5° C)			ISA (-32.5° C)			ISA+30° C (-2.5° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	163	124	18.5	167	128	19.1	167	132	19.7
500	190	140	20.9	196	144	21.5	200	148	22.1
600	207	158	23.6	215	162	24.2	222	165	24.6
700	220	178	26.6	229	182	27.2	237	185	27.6
800	233	198	29.6	242	203	30.3	250	205	30.6
900	243	221	33.0	254	224	33.4	-	-	-
889*	—	—	—	—	—	—	262	225	33.6
1043*	—	—	→	268	260	38.8	-	-	-
1077*	260	264	39.4	-	-	-	-	-	-

Pressure Altitude = 27000 ft

Torque ft-lb	ISA-30° C (-68.5° C)			ISA (-38.5° C)			ISA+30° C (-8.5° C)		
	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr	KTAS	FF, lb/hr	FF, gal/hr
400	168	118	17.6	172	121	18.1	172	123	18.4
500	195	135	20.1	202	138	20.6	206	142	21.2
600	213	155	23.1	222	158	23.6	229	160	23.9
700	227	176	26.3	237	179	26.7	245	182	27.2
800	240	198	29.6	250	203	30.3	259	205	30.6
900	250	220	32.8	262	224	33.4	272	230	34.3
805*	—	—	—	—	—	—	259	206	30.7
952*	—	—	→	268	240	35.8	-	-	-
952*	258	237	35.4	-	-	-	-	-	-

Notes:

- 1) True Airspeeds Above May Exceed V_{mo} (172 KIAS) and are shown for Interpolation and Illustration Only; Do Not Exceed V_{mo}
- 2) Shaded Areas Denote Max Range Conditions (No Wind)