

5.3.2 TABLES FOR SETTING ENGINE PERFORMANCE

			Engine power as % of maximum take-off power							
			45%			55%				
RPM			2000	2200	2400	2000	2200	2400	2600	2700
Fuel Flow [US gal/hr]	Best Economy		6.0	6.3	6.6	7.0	7.2	7.5	7.7	8.0
	Best Power		-	7.3	7.7	-	8.5	8.7	9.1	9.5
Pressure Alt (ft)	ISA [°C] [°F]		Manifold Pressure (MP) [inHG]			Manifold Pressure (MP) [inHG]				
0	15	59	21.3	20.2	19.0	23.9	22.4	21.2	20.2	19.6
1000	13	55	21.0	19.9	18.7	23.6	22.2	21.0	20.0	19.4
2000	11	52	20.7	19.6	18.4	23.3	21.9	20.7	19.6	19.0
3000	9	48	20.4	19.3	18.2	23.0	21.6	20.4	19.2	18.6
4000	7	45	20.2	19.0	17.9	22.7	21.1	20.1	18.8	18.4
5000	5	41	19.9	18.7	17.6	22.3	20.9	19.8	18.5	18.0
6000	3	38	19.6	18.4	17.4	22.0	20.6	19.5	18.3	17.8
7000	1	34	19.3	18.2	17.1	21.7	20.3	19.3	18.0	17.6
8000	-1	31	19.0	17.9	16.9	21.3	20.0	19.0	17.7	17.5
9000	-3	27	18.7	17.6	16.6	21.1	19.7	18.7	17.5	17.2
10000	-5	23	18.4	17.3	16.3	-	19.4	18.4	17.3	17.0
11000	-7	19	18.2	17.0	16.1		19.1	18.1	17.0	16.8
12000	-9	16	17.9	16.7	15.8		-	17.8	16.9	16.5
13000	-11	12	17.6	16.4	15.5			17.6	16.5	16.3
14000	-13	9	-	16.1	15.3			-	16.3	16.1
15000	-15	6		15.8	15.0				16.0	15.8
16000	-17	2		15.5	14.7				15.8	15.6
17000	-19	-2		-	14.5				-	15.1
18000	-21	-6			14.3					-

The area shaded grey under each RPM column are the recommended values.

Correcting the Table for Variations from Standard Temperature:

At ISA+15 °C (ISA+27 °F), the %Power values fall by approximately 3% of the power selected according to the above table.

At ISA-15 °C (ISA-27 °F), the %Power values rise by approximately 3% of the power selected according to the above table.

NOTE

Guidance Only, for Best Economy or Power, follow the correct leaning procedures.

TABLES FOR SETTING ENGINE PERFORMANCE (Continued)

		Engine power as % of maximum take-off power									
		65%					75%				
RPM		2000	2200	2400	2600	2700	2200	2400	2600	2700	
Fuel Flow [US gal/hr]	Best Economy	7.9	8.2	8.5	8.7	8.8	9.2	9.5	9.7	9.9	
	Best Power	-	9.5	9.8	10.2	10.4	10.7	11.0	11.4	11.6	
Pressure Alt (ft)	ISA		Manifold Pressure (MP) [inHG]					Manifold Pressure (MP) [inHG]			
	[°C]	[°F]									
0	15	59	26.8	24.9	23.4	22.3	21.8	27.3	25.8	24.5	23.7
1000	13	55	26.4	24.5	23.2	22.0	21.4	26.8	25.5	24.2	23.5
2000	11	52	26.0	24.2	22.9	21.6	21.0	26.5	25.2	23.8	23.2
3000	9	48	25.7	23.8	22.6	21.4	20.7	26.1	24.8	23.5	22.9
4000	7	45	25.4	23.5	22.3	21.0	20.5	-	24.5	23.1	22.5
5000	5	41	-	23.1	22.0	20.6	20.1		24.1	22.9	22.2
6000	3	38		22.8	21.7	20.4	19.8		-	22.6	21.9
7000	1	34		-	21.4	20.0	19.5			22.4	21.6
8000	-1	31			21.0	19.7	19.3			-	21.4
9000	-3	27			20.7	19.5	19.0				-
10000	-5	23			-	19.2	18.8				
11000	-7	19				19.0	18.5				
12000	-9	16				-	18.4				
13000	-11	12					-				
14000	-13	9									

The area shaded grey under each RPM column are the recommended values.

Correcting the Table for Variations from Standard Temperature:

At ISA+15 °C (ISA+27 °F), the %Power values fall by approximately 3% of the power selected according to the above table.

At ISA-15 °C (ISA-27 °F), the %Power values rise by approximately 3% of the power selected according to the above table.

NOTE

Guidance Only, for Best Economy or Power, follow the correct leaning procedures.