

# DIAMOND DA 40 / 180 LYCOMING

			Engine Power as % of Max. Take-Off Power						
			45 %				55 %		
	RPM		1800	2000	2200	2400	2000	2200	2400
Fuel Flow [US gal/h]	Best Economy		5.8	6	6.3	6.6	7	7.2	7.5
	Best Power		-	-	7.3	7.7	-	8.5	8.7
ISA	[°C]	[°F]	Manifold Pressure (MP) [inHg]						
MSL	15	59	<b>22.7</b>	21.3	20.2	19.0	<b>23.9</b>	22.4	21.2
1000	13	55	<b>22.4</b>	21.0	19.9	18.7	<b>23.6</b>	22.2	21.0
2000	11	52	<b>22.1</b>	20.7	19.6	18.4	<b>23.3</b>	21.9	20.7
3000	9	48	<b>21.8</b>	20.4	19.3	18.2	<b>23.0</b>	21.6	20.4
4000	7	45	<b>21.5</b>	20.2	19.0	17.9	<b>22.7</b>	21.2	20.1
5000	5	41	<b>21.2</b>	19.9	18.7	17.6	<b>22.3</b>	20.9	19.8
6000	3	38	<b>20.9</b>	19.6	18.4	17.4	<b>22.0</b>	20.6	19.5
7000	1	34	<b>20.5</b>	19.3	18.2	17.1	<b>21.7</b>	20.3	19.3
8000	-1	31	<b>20.2</b>	19.0	17.9	16.9	<b>21.3</b>	<b>20.0</b>	19.0
9000	-3	27	<b>19.9</b>	18.7	17.6	16.6	<b>21.1</b>	<b>19.7</b>	18.7
10000	-5	23	<b>19.6</b>	<b>18.4</b>	17.3	16.3	-	<b>19.4</b>	<b>18.4</b>
11000	-7	19	<b>19.3</b>	<b>18.2</b>	17.0	16.1		<b>19.1</b>	<b>18.1</b>
12000	-9	16	-	<b>17.9</b>	<b>16.7</b>	15.8		-	<b>17.8</b>
13000	-11	12		<b>17.6</b>	<b>16.4</b>	15.5			<b>17.6</b>
14000	-13	9		-	<b>16.1</b>	15.3			-
15000	-15	6			<b>15.8</b>	<b>15.0</b>			
16000	-17	2			<b>15.5</b>	<b>14.7</b>			
17000	-19	-2			-	<b>14.5</b>			

			Engine Power as % of Max. Take-Off Power				
			65 %			75 %	
	RPM		2000	2200	2400	2200	2400
Fuel Flow [US gal/h]	Best Economy		7.9	8.2	8.5	9.2	9.5
	Best Power		-	9.5	9.8	10.7	11
ISA	[°C]	[°F]	Manifold Pressure (MP) [inHg]				
MSL	15	59	26.8	<b>24.9</b>	23.4	<b>27.3</b>	25.8
1000	13	55	26.4	<b>24.5</b>	23.2	<b>26.8</b>	25.5
2000	11	52	26.0	<b>24.2</b>	22.9	<b>26.5</b>	<b>25.2</b>
3000	9	48	25.7	<b>23.8</b>	22.6	<b>26.1</b>	<b>24.8</b>
4000	7	45	25.4	<b>23.5</b>	22.3	-	<b>24.5</b>
5000	5	41	-	<b>23.1</b>	22.0		<b>24.1</b>
6000	3	38		<b>22.8</b>	<b>21.7</b>		-
7000	1	34		<b>22.4</b>	<b>21.4</b>		
8000	-1	31		-	<b>21.0</b>		
9000	-3	27			<b>20.7</b>		
10000	-5	23			-		

# DA 40 - TAKE-OFF DISTANCES

