N44862 POWER SETTINGS
Piper Arrow III Turbo

TAKE OFF

RPM	MAP	CHT	KIAS	MIXTURE
2450	41"	< 460ºF	78	FULL RICH

*** IF OVERBOOT REDUCE THROTTLE**

CLIMB

RPM	MAP	CHT	KIAS	MIXTURE
2450	33"	< 460ºF	104	FULL RICH

*** IF OVERBOOST REDUCE THROTTLE**

Charts Based on no wind, 2900 pounds, Best Power
For each 6ºF above standard temp. add 0.4" MAP
For each 6ºF below standard temp. subtract 0.4" MAP

ECONOMY CRUISE 55% POWER (EGT 0-25ºF ROP)

ATL	Std Temp	RPM	MAP	CHT	EGT	KTAS	GPH
Sea Lvl	59ºF	2300	27.7	< 350ºF	< 1650ºF		
2,000	52ºF	2300	27.7	< 350ºF	< 1650ºF	120	11.0
4,000	45ºF	2300	27.7	< 350ºF	< 1650ºF	124	11.0
6,000	38ºF	2300	27.7	< 350ºF	< 1650ºF	127	11.0
8,000	31ºF	2300	27.7	< 350ºF	< 1650ºF	133	11.0
10,000	23ºF	2300	27.7	< 350ºF	< 1650ºF	137	11.0

STANDARD CRUISE 65% POWER

ATL	Std Temp	RPM	MAP	CHT	EGT	KTAS	GPH
Sea Lvl	59ºF	2300	31.1	< 375ºF	< 1650ºF		
2,000	52ºF	2300	31.1	< 375ºF	< 1650ºF	138	12.7
4,000	45ºF	2300	31.1	< 375ºF	< 1650ºF	143	12.7
6,000	38ºF	2300	31.1	< 375ºF	< 1650ºF	147	12.7
8,000	31ºF	2300	31.1	< 375ºF	< 1650ºF	150	12.7
10,000	23ºF	2300	31.1	< 375ºF	< 1650ºF	154	12.7

HIGH PERFORMANCE CRUISE 75% POWER (EGT 100ºF rich of peak)

ATL	Std Temp	RPM	MAP	CHT	EGT	KTAS	GPH
Sea Lvl	59ºF	2300	34.8	< 400ºF	< 1650ºF		
2,000	52ºF	2300	34.8	< 400ºF	< 1650ºF	138	14.0
4,000	45ºF	2300	34.8	< 400ºF	< 1650ºF	143	14.0
6,000	38ºF	2300	34.8	< 400ºF	< 1650ºF	147	14.0
8,000	31ºF	2300	33.8	< 400ºF	< 1650ºF	150	14.0
10,000	23ºF	2400	33.8	< 400ºF	< 1650ºF	154	14.0

DO NOT ATTEMPT TO DETERMINE PEAK EGT ABOVE 75% POWER

Set mixture to "Full Rich" for changes in altitude & power settings