

CARBURETOR JETTING

Altitude - Temperature Compensation

Maximum engine efficiency and horsepower are directly related to proper carburetion settings. The following charts are established as a guideline for selecting optimum jetting at varying temperature and altitude conditions for the 1976 Polaris TX.

IMPORTANT: The following guidelines must be followed when establishing a main jet setting:

1. Select the lowest anticipated temperature at which the machine will be operated.
2. Determine the lowest approximate altitude at which the machine will be operated.
3. Tracing down and across on the chart, use the intersecting main jet recommendation.

EC25PT-06 250 TX

Outside Air Temperature ° F

	-40	-20	0	+20	+40	+60
1000	260	250	240	230	220	210
3000	240	230	220	210	200	190
5000	230	220	210	200	190	180
7000	220	210	200	190	180	170
9000	200	190	190	180	170	160

Main Jet Number

Production Setting

Main Jet - 260 hex

Pilot Jet - 30

Cut Away - 2.0

Air Screw - 1 turn

Jet Needle - 6DP1-3

EC34PT-05 340 TX

Outside Air Temperature ° F

	-40	-20	0	+20	+40	+60
1000	300	290	280	270	250	240
3000	280	270	260	250	240	230
5000	270	260	250	240	230	220
7000	250	240	230	220	210	200
9000	240	230	220	210	200	190

Main Jet Number

Production Setting

Main Jet - 270

Pilot Jet - 30

Cut Away - 2.0

Air Screw - 1½ turn

Jet Needle - 6DP1-3

EC44PT-05 440 TX

Outside Air Temperature ° F

	-40	-20	0	+20	+40	+60
1000	350	340	330	310	300	290
3000	330	320	310	300	290	270
5000	320	300	290	280	270	260
7000	300	290	280	270	250	240
9000	280	270	260	250	240	230

Main Jet Number

Production Setting

Main Jet - 320

Pilot Jet - 35

Cut Away - 2.5

Air Screw - 1 turn

Jet Needle - 6DP1-3