

**Carbureter Specifications
For Engine Type 1600 S-90**

Title	Specifications	Remarks
Carbureter	Solex 40 PII-4	2 per engine
Main venturi (K)	32	2 per carbureter
Main jet (Gg)	0115	2 per carbureter
Air correction jet (a)	180	2 per carbureter
Idle metering jet (g)	57.5	2 per carbureter
Idle air bleed (u)	1.8	2 per carbureter
Accelerating pump	No. 72	1 per carbureter
Pump jet (Gp)	50	2 per carbureter
Accelerating pump nozzle	high-type, with 0.4 restrictor	2 per carbureter
Float needle valve (spring-loaded)	175	1 per carbureter
Float	7.4 g	1 per carbureter
Emulsion tube	No. 25	2 per carbureter
Main jet carrier	6	2 per carbureter
By-pass ports	1.7; 1.4; 1.0	
Injection quantity (warm season)	0.45 cc (.122 fl. dram.) from 2 strokes, each nozzle	2 nozzles per carbureter
Injection quantity (cold season)	0.65 cc (.176 fl. dram.) from 2 strokes, each nozzle	

Main jet metering is of great importance when operating at considerably varying altitudes for which the following rule-of-thumb may be applied: Change main jet calibration by 6% for each 1,000 m (3,280') altitude variation. For example: normal main jet calibration at an altitude of 400 m (1,312') is 0115; proper jet size for an altitude of 1,400 m (4,592') is 0110.