

**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,<br>with 0.4 restrictor                       | 2 per carbureter            |
| Float needle valve<br>(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<br>(warm season)   | 0.45 cc (.122 fl. dram.)<br>from 2 strokes, each nozzle | 2 nozzles per<br>carbureter |
| Injection quantity<br>(cold season)   | 0.65 cc (.176 fl. dram.)<br>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.