

TABLE VIII
FUEL SYSTEM DETAILS

Feature	E-165-2 E-185-2	E-185-1, -3, -8, -9, -11, E-225
Carburetor (Stromberg Pressure Type)	—	PS-5C
Carburetor (Marvel-Schebler)	MA-4-5	—
Minimum Fuel Octane Rating	80	80
Venturi Diameter (inches)	1.75	1.625
Fuel Pressure Range (p.s.i.)	1.5-9	9-15
Fuel Pump Supplied (Romec)	—	RD7790
Fuel Pump Delivery (Minimum at 2300 R.P.M.) (lbs./hr.)	—	166.5

TABLE IX
OIL FLOW AND CONSUMPTION LIMITS

Specification	Maximum Value
Oil Consumption at Rated Speed and Power	.018 lbs./B.H.P./Hr.
Oil Flow at Rated Speed and Power (E165)	34 lbs./minute
Oil Flow at Rated Speed and Power (E185)	40 lbs./minute
Oil Flow at Rated Speed and Power (E225)	50 lbs./minute

TABLE X
TEMPERATURE AND PRESSURE LIMITS

Indication	Minimum	Maximum
Oil Pressure at Cruising Speed (p.s.i.)	30	60
Oil Pressure at Idling Speed (p.s.i.)	10	—
Fuel Pressure at Carburetor (Stromberg PS-5C) (p.s.i.)	9	15
Fuel Pressure at Carburetor (Marvel-Schebler) (p.s.i.)	1.5	9
Oil Inlet Temperature at Take-Off (° F.)	75	225
Oil Inlet Temperature in Flight (° F.)	—	225
Cylinder Head Temperature on lower spark plug (° F.)	—	525
Cylinder Base Temperature (E165, E185) (° F.)	—	315
Cylinder Base Temperature (E225) (° F.)	—	290
Crankcase Pressure (at 2300 R.P.M., Full Throttle)	—	1-1/2" H ₂ O