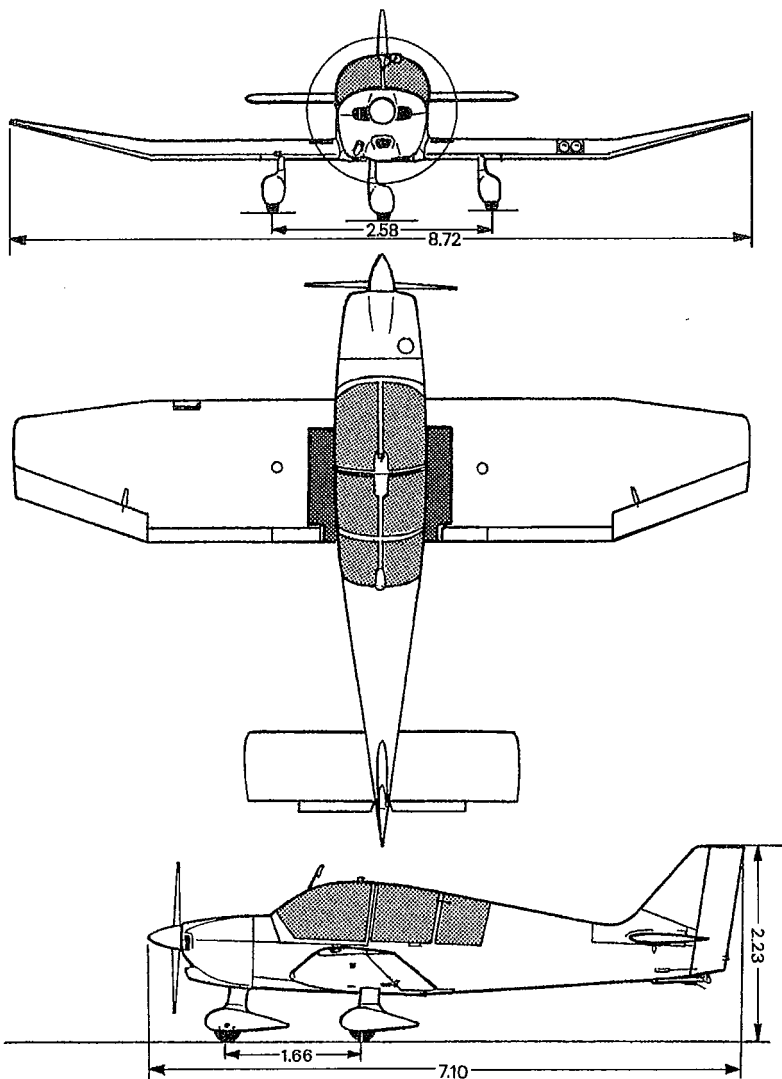


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4



OVERALL DIMENSIONS

Wing span	(28 ft 7.3 in)	8.72 m
Overall length	(23 ft 3.5 in)	7.10 m
Overall height	(7 ft 3.8 in)	2.23 m
Propeller ground clearance	(10 in)	0.254 m

INTERNAL CABIN DIMENSIONS

Length	(5 ft 3.8 in)	1.62 m
Width	(3 ft 7.3 in)	1.10 m
Height	(4 ft 0.4 in)	1.23 m
4 seats, accessible from both sides by a sliding canopy		
Luggage compartment volume		0.2 m ³

WINGS

Wing area	(146.40 sq ft)	13.6 m ²
Airfoil	NACA 43013.5 modified	
Aspect ratio	5.35	
Dihedral at wing tips	14°	

AILERONS

Area (each)	(6.13 sq ft)	0.57 m ²
Span (each)	(5 ft 3.8 in)	1.62 m

The ailerons are statically balanced.

WING FLAPS

Area (each).....	(3.55 sq ft)	0.33 m ²
Span (each).....	(6.56 ft)	2.0 m

HORIZONTAL STABILIZER

Total area (31 sq ft) 2.88 m²
of which elevator tab..... (2.8 sq ft) 0.26 m²
Span(10 ft 6 in) 3.20 m

VERTICAL STABILIZER

Total area (17.55 sq ft) 1.63 m²
Stabilizer area..... (10.76 sq ft) 1 m²
Rudder area..... (6.78 sq ft) 0.63 m²

LANDING GEAR**Type: Fixed Tricycle**

Track(8 ft 5.6 in) 2.58 m
Wheel base.....(5 ft 5 in) 1.65 m
Tyre size 380 x 150
Shock struts oilSHELL fluid 4
BP Hydraulic 1 (aero)

Nose Gear

Tyre pressure(26.1 psi) 1.8 bar
Shock strut pressure.....(65.27 psi) 4.5 bar
Shock struts displacement.....(5.12 in) 130 mm

Main landing gear

Tyre pressure(29 psi) 2 bar
Shock struts pressure.....(79.77 psi) 5.5 bar
Shock struts displacement.....(6.3 in) 160 mm

BRAKES

The disc brakes are operated by an independent hydraulic circuit on each main gear wheel.

Hydraulic oil.....MIL H 5606-A^{*}
 SHELL fluid 4
 BP Hydraulic 1 (aero)

POWERPLANT

Engine

ManufacturerLYCOMING
 Type O-360-A3A ou O-360 A1P
 Number of cylinders 4
 Maximum continuous power..... 180 HP at 2700 rpm

Propeller

Manufacturer SENSENICH
 Type76 EM8 S5-0-58
 Diameter.....1.93 m (76 in)
 Pitch 58 in

OIL**

Total engine capacity (8 US quarts) 7.5 l
 Usable capacity (6 US quarts) 5.7 l

During the first 50 hours of operation: pure mineral oil
After the first 50 hours of operation: dispersant oil

Grades

above +15°C (60°F)	SAE 50
from 0°C to +30°C (30°F to 90°F)	SAE 40
from -15°C to +20°C (0°F to 70°F)	SAE 30
below -10°C (10°F)	SAE 20

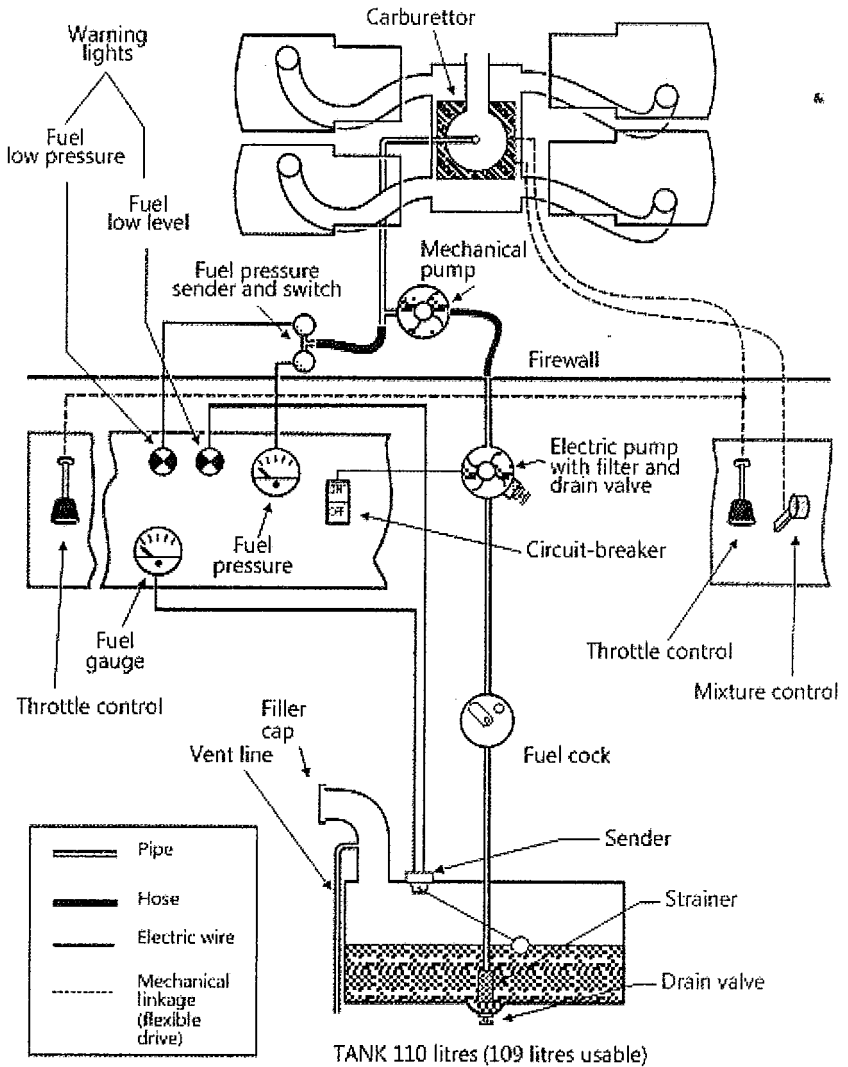
* Refer to Service Instruction Lycoming 1070 (latest issue).

** Refer to Service Instruction Lycoming 1014 (last issue)

FUEL

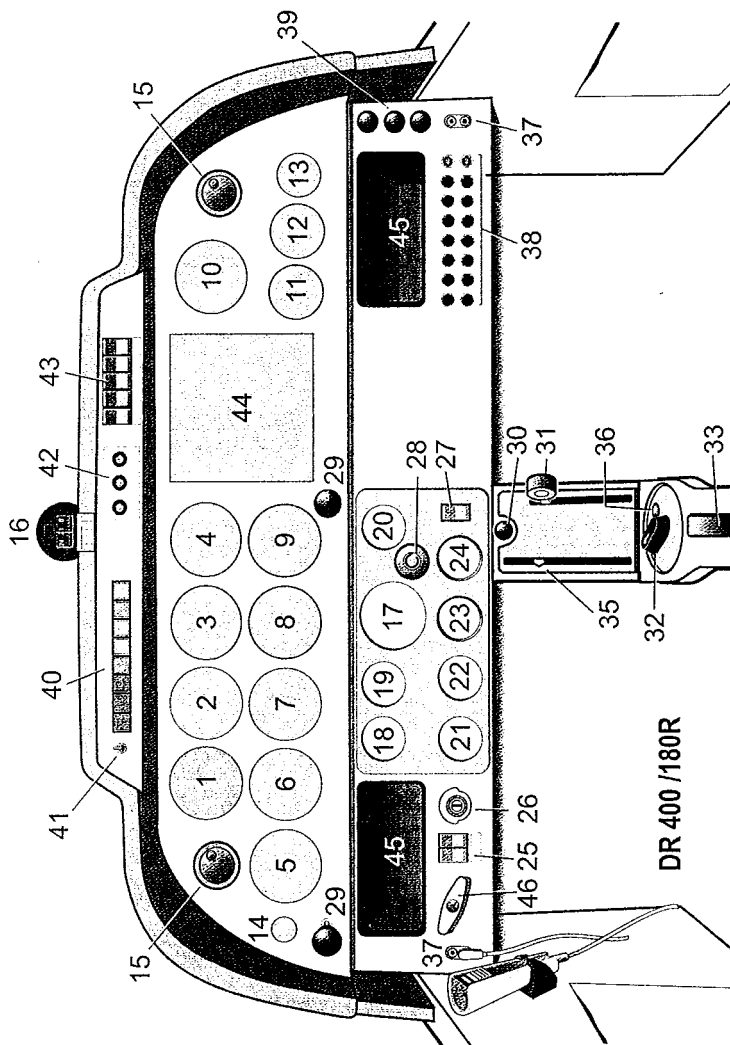
Aviation gasoline* AVGAS 100 LL
Octane grade* (octane) 100 minimum
Total fuel capacity..... (24.2 Imp gal/29 US gal) 110 l
Total usable capacity (24 Imp gal/28.7 US gal) 109 l
Unusable fuel..... (0.22 Imp gal/0.26 US gal) 1 l

*4



Fuel system diagram

INSTRUMENT PANEL



4

1	Airspeed indicator	31	Mixture lever friction control
2	Gyro horizon (option)	32	Fuel cock
3	Altimeter	33	Elevator trim tab control wheel
4	Optional equipment	34	Flap control lever
5	Optional equipment	35	Trim tab position indicator
6	Turn and bank indicator (option)	36	Starter push button
7	Directional gyro (option)	37	Mike, headset-jack sockets (option)
8	Rate of climb indicator (option)	38	Breakers & fuses
9	Optional equipment	39	Cabin heat control
10	Optional equipment	40	Annunciator panel (from L to R):
11	Optional equipment		Oil pressure
12	Optional equipment		Fuel pressure
13	Optional equipment		Fuel low level
14	Vacuum gauge (option)		Alternator load
15	Cabin vent		Flaps extended
16	Magnetic compass		Pitot heat (option)
17	Tachometer	41	Day/light lighting selector and light test
18	Oil pressure gauge	42	Instrument panel lighting
19	Oil temperature gauge	43	Switch type circuit breaker (from L to R):
20	Fuel pressure gauge		Taxi lights (option)
21	Voltmeter		Landing lights (option)
22	Fuel tank gauge		Strobe lights (option)
23	Optional equipment		Navigation lights (option)
24	CHT Cylinder Head Temp.		Pitot heat (option)
25	Switch type circuit breaker (battery, alternator)	44	Radio equipment (option)
26	Magneto switch	45	Storage box (or optional equipment)
27	Safety switch (electric pump)	46	Cable release handle
28	Carburettor heat control		
29	Throttle		
30	Parking brake locking control		

HEATING AND VENTILATION SYSTEM

