



PILOTS NOTES
FIREFLY T67M-MkII

SECTION 1 LEADING PARTICULARS AND DIMENSIONS

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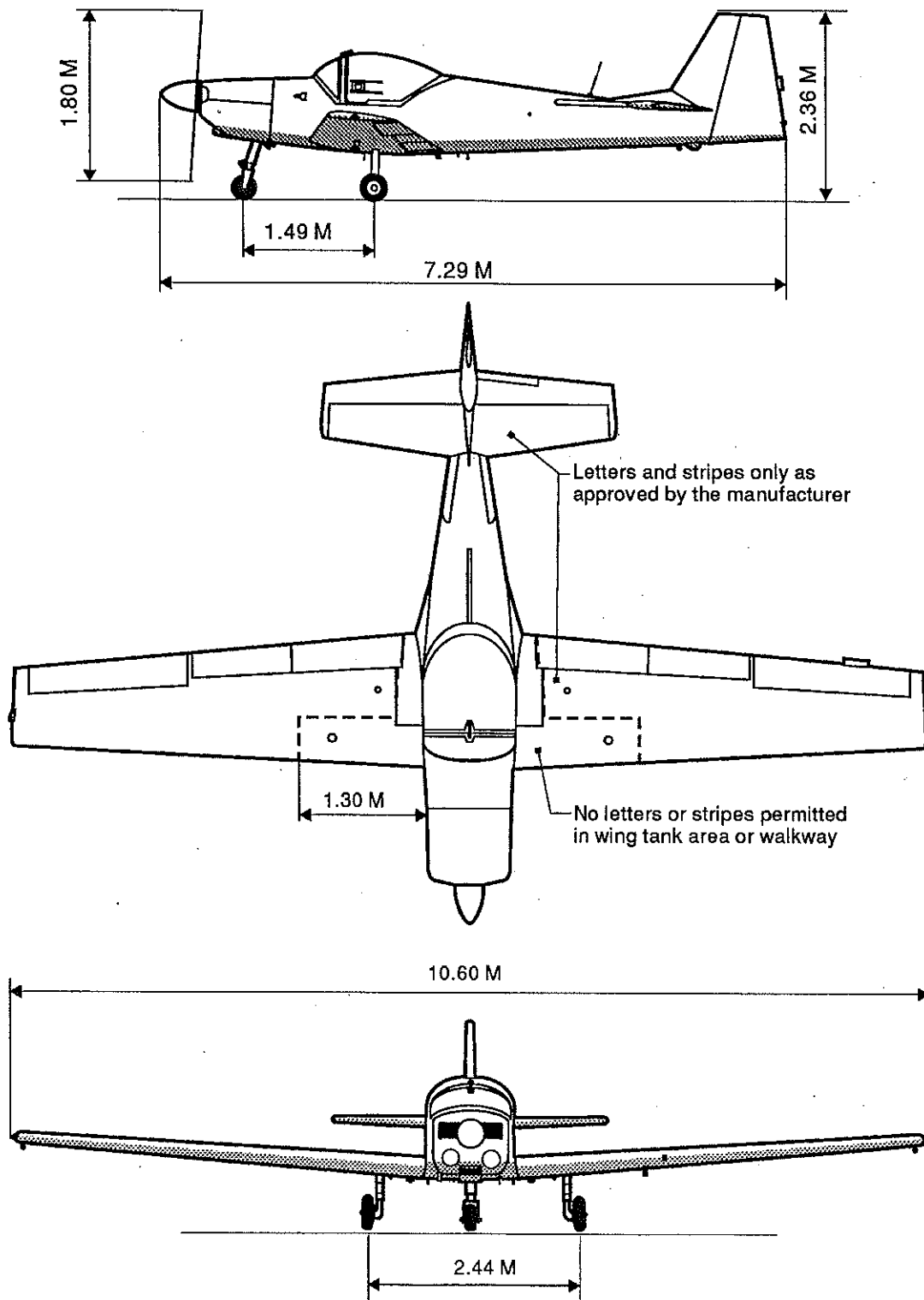


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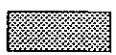
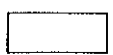
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> 1.1 3 VIEW PLAN WITH PAINT RESTRICTIONS



KEY TO COLOUR RESTRICTIONS

 Unrestricted  Only colours approved by the manufacturer

(Lighter colours and shades are preferable to dark ones)

1.2 DIMENSIONS AND LEADING PARTICULARS

Overall Dimensions

Wing span 10.60m
Overall length 7.29m
Overall height 2.36m

Wing

Surface area 12.60m²
Dihedral 3°30'
Profile and incidence at the wing root NACA 23 015 3°
Profile and incidence at the tip NACA 23 013 0°20'

Aileron

Surface area 0.62m² each
> Movements (Pre Mod 392) Up 16° +1°
Down 12.25° \pm 1°
Movements (Post Mod 392) Up 14° +1° <
Down 11.75° \pm 1°
Mass balance 80% +5% -0%

Flap

Total surface area 1.74m²
Deflections Takeoff Position 1 18° +1° -2°down
Landing Position 2 40° +1° -3°down



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Tailplane

| | |
|---------------------------------------|----------------------------|
| Fixed surface area | 1.65m ² |
| Incidence to fuselage reference | +1° |
| Elevator surface area | 0.99m ² |
| Movements | Up 22° +2° Down 20° +2° |
| Trim tab movements | Up & Down 24° +6° -2° |
| Elevator mass balance | 100% +5% -0% |

Fin

| | |
|--------------------|--------------------|
| Surface area | 0.80m ² |
|--------------------|--------------------|

Rudder

| | |
|---------------------------------------|--------------------|
| Surface area | 0.81m ² |
| > Rudder movements(Pre Mod 458) | Each side 30°+2° |
| (Post Mod 458) | Each side 30°+1° < |

Undercarriage

Tricycle Type

| | |
|--------------------------|--|
| Nosewheel shock absorber | oleo-pneumatic pressure 7 bar (100 psi) |
| Mainwheel shock absorber | oleo-pneumatic pressure 5.5 bar (80 psi) |
| Track | 2.44m |
| Wheel Base | 1.495m |
| Nosewheel Tyre | 5.00 - 5 pressure 3.5 bar (50 psi) |
| > Mainwheel Tyre | 6.00 - 6 pressure 1.7 bar (25 psi) (Pre Mod 468) pressure 2.4 bar (35 psi) (Post Mod 468) < |

For ground movements and taxiing the nose wheel is connected to the rudder controls.



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Wheel Brakes

Mainwheels only. Cleveland disc brakes with duplicate toe brakes and with parking brake.

Propulsion Unit

Engine Lycoming AE10-320-D1B

Engine ratings 160 bhp at 2700 rpm

> Fuel ...AVGAS 100LL. Tank capacity 2 x 17.75 Imp Gall (161.4 litres total)
Usable fuel 2 x 17.31 Imp Gall (157.4 litres total)

Oil MIL Spec. L-22851

| | | |
|-------|----------------------|--------------------|
| Grade | SAE 15W-50 or 20W-50 | All Temperatures |
| | SAE 60 | Above 27°C |
| | SAE 40 or 50 | Above 15.5°C |
| | SAE 40 | from -1°C to 32°C |
| | SAE 40 or 30 | from -18°C to 21°C |
| | SAE 20 | Below -12°C |

Straight mineral oil for first 50 hrs then ashless dispersant grade may be used.

An alternative warm air supply automatically opens if the engine air intake becomes blocked.

Propeller Hoffmann HO-V72L-V/180CB

Cockpit 2 seats side by side,
fixed windscreen, canopy tilting towards the rear.

Luggage 30 kg (66 lbs)