

Pander D Classic Plane Models resin

Sportsplane

Scale 1:72

The single place, single engine Pander D has been built by the Pander furniture factory in the Hague. The design was based on the Holland H-2, designed by the Vliegtuig Industrie Holland (V.I.H.). The aircraft made its maiden flight in November 1924. Two copies of the Pander D have been exhibited on the Salon de l'Aéronautique in Paris in December 1924, the prototype H-NACM and the first series aircraft H-NACO. The aircraft were much appreciated, for their flight characteristics, as well as the quality of their finishing.

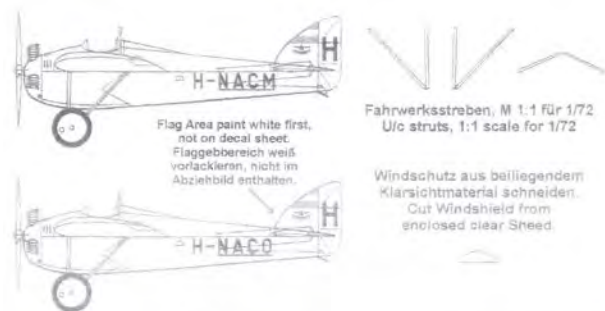


The H-NACM stayed in France until February 1925, where many demonstrations were given. After a short stay in the Netherlands it returned to Farnce in July to participate in a number of touring races. In the end it stayed definitely in France as a demonstration aircraft for a possible licence production by Roques-Lefolcalvez, which did not materialize. Its final fate is unknown.

In total 11 Pander D's have been built, two aircraft have been used by the Dutch Naval services and two by the Dutch East Indies army air department. The aircraft has ultimately been sold to **Spain, Latvia, France** and the Netherlands.

Two variants of the kits have been produced: one for the two "military" versions and one for the civilian version, the only difference being the box cover and the decal sheet.

The kit comes in a carton box and contains a plastic bag with the resin parts and one with the decal sheet and the transparent windshield, an A4 sheet with colour and black and white photographs of the finished models and the original and a A4 sheet with a short history and technical details and summary instructions.



I am going to build the prototype, the H-NACM.

There are many books and magazines containing information on the Pander D. Hazewinkel (ref. 5), Hooftman (ref. 11), and Wesselink & Postma (ref. 16) contain dimensioned drawings of the aircraft and most others list the dimensions of the aircraft; all contain many photographs. References 5 and 9 make a distinction between different versions of the Pander D (DA through DF and DS). I have also used two building reports on the Modelbrouwers forum, listed as references 17 and 18. Reference 18 describes the scratch build of the two Pander D models that served later as masters for the kit, while the build of the kit (the H-NACO) is described in reference 17. Articles in the Flight Archive show some production details of the original aircraft that may be useful for detailing the model.



	<i>Pander D</i>	<i>1:72</i>	<i>model</i>
<i>Span</i>	8.00 m	111.1 mm	
<i>Length</i>	4.95 m	68.8 mm	
<i>Height</i>	1.65 m	22.9 mm	
<i>Engine</i>	Anzani of 25 hp		
<i>Crew</i>	1		

Span and length are

Wing

Tail planes

Engine and propeller

Cockpit

Wing assembly

Decals

The decal sheet contains the registration for the two first Pander D's, the prototype H-NACM and the H-NACO.



Painting

Assembly

Summary

Below some pictures of the completed model are shown.

References

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2. N. Geldhof, *70 Jaar Marineluchtvaartdienst*, pp. 30, 184, 214, Uitgeverij Eisma B.V., Leeuwarden, 1987

3. J. Greuter, M. Schep, L. Boerman, J. Bossong, *Camouflage en Kentekens, op vliegtuigen van de Nederlandse strijdkrachten*, p. 115, ISBN 90 73304 57 1, Bonneville, Bergen, 1997
4. H.J. Hazewinkel, *Pander: Een Haagse vliegtuigbouwer, Opkomst van de sportvliegerij in Nederland*, pp. 8, 9, 26-41, 125, 126, ISBN-10 90-808868-3-1, 2006
5. H.J. Hazewinkel, *Pander: Een Haagse vliegtuigbouwer, Opkomst van de sportvliegerij in Nederland*, pp. 26, 40-41, 127, 139-140 [Pander DA-DF, DS], ISBN-10 90-808868-3-1, 2006
6. H.J. Hazewinkel, *PK-, Het luchtvaartuigregister van Nederlands-Indië tot en met 1942*, p. 31, 2016
7. H.J. Hazewinkel, *Vliegtuigbouw in Fokkers Schaduw, De geschiedenis van al die andere Nederlandse vliegtuigbouwers*, pp. 39, 41, 1988
8. H. Hooftman, *Nederlandse Vliegtuig Encyclopedie, Burgerluchtvaart in Nederland, Deel 1; Van H-NABA tot PH-AEZ*, pp. 61-68, 78, Cockpit-Uitgeverij, Bennekom, 1979
9. H. Hooftman, *Nederlandse Vliegtuig Encyclopedie, Burgerluchtvaart in Nederland, Deel 1; Van H-NABA tot PH-AEZ*, pp. 92-93, 136 [Pander DB], Cockpit-Uitgeverij, Bennekom, 1979
10. H. Hooftman, *Nederlandse Vliegtuig Encyclopedie, Pander S.4 Postjager*, pp. 111-112, Cockpit-Uitgeverij, Bennekom, 1977
11. H. Hooftman, *Van Farman tot Neptune, Deel I: Romantiek van watervliegtuigen en vliegboten*, pp. 67, 68, La Rivière & Voorhoeve, Zwolle, 1964 DRW
12. H. Hooftman, *Van Glenn Martins en Mustangs, Alle vliegtuigen die gevlogen hebben bij het K.N.I.L., de Indische Militaire Luchtvaart*, pp. 24, 54, La Rivière & Voorhoeve, Zwolle, 1967
13. G.H. Kamphuis, *75 jaar MLD*, p. 10, De Alk, Alkmaar, 1992
14. Luchtvaart Historisch Tijdschrift, *Luchtvaartkennis, Jaargang 59, no. 2*, cover, ISSN 1381-9100, 2010
15. T. Postma, *Vermetele vliegende Hollanders*, pp. 47, 52, ISBN 90 228 3987 7, De Haan, Bussum, 1975
16. T. Wesselink & T. Postma, *De Nederlandse Vliegtuigen, Alle vliegtuigen ooit in Nederland ontworpen en gebouwd*, pp. cover, 2, 57, Unieboek B.V., Bussum, 1982 DRW
17. <https://modelbrouwers.nl/phpBB3/viewtopic.php?f=46&t=51376>
18. <https://modelbrouwers.nl/phpBB3/viewtopic.php?f=202&t=38766>
19. Flight Archive 1924, p. 801; 1925, pp. 93, 581

Appendix Pander D documentation

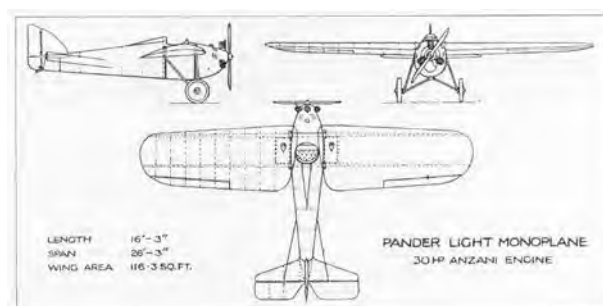
Paint table

H = Humbrol, R = Revell Aqua, V = Vallejo, M = Marabu paint stick

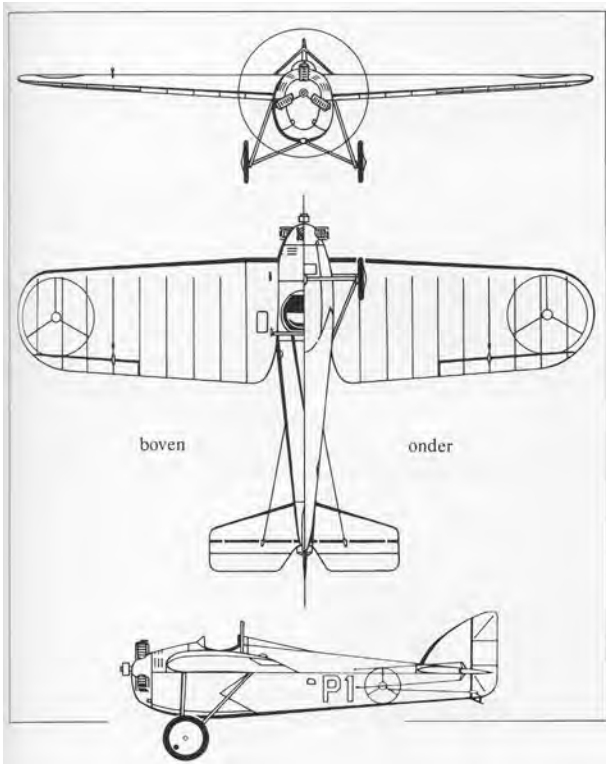
Code	Colour	Where
H19	Red	Fuselage, propeller spinner
H21	Black	Wing & tail struts; engine cylinders; valve rocker arm housings; engine controls, exhausts
H53	Gunmetal	Engine cylinders (dry brushed)
H62	Leather	Seat bottom & back rest cushions, head rest
H113	Rust	Exhausts (dry brushed)
H125	Dark grey	Engine controls, control stick, seat back & bottom, control horns
H165	Light grey	Engine crankcase; cockpit walls; pitot tube
V70.510	Gloss varnish	Propeller
V71.062	Aluminium	Wings, tail planes, wing tip floats
V71.065	Steel	Engine inlet ducts and exhausts

Code	Colour	Where
M0121 32	Black	Control cables

Photographs & drawings



[Source: ref. 5]



[Source: ref. 16]



[Source: ref. 10]



[Source: ref. 8]



[Source: ref. 8]



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[Source: ref. 4]



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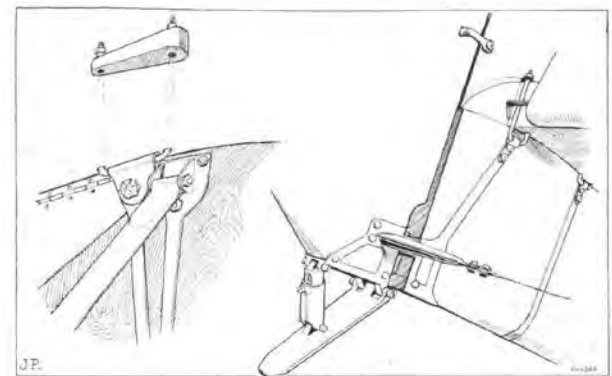
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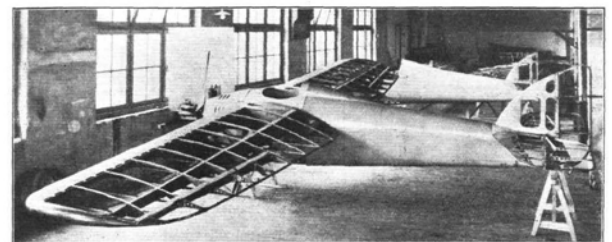
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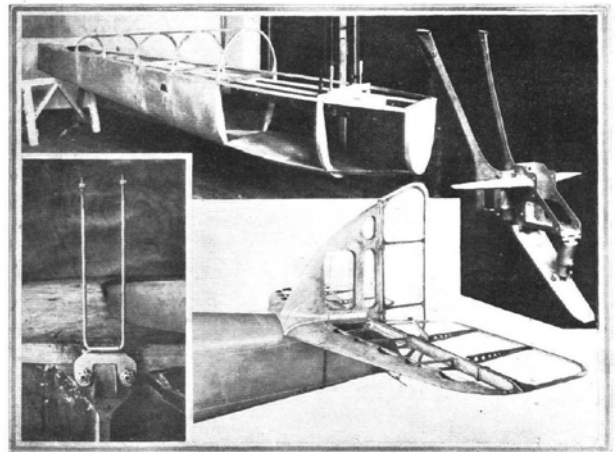
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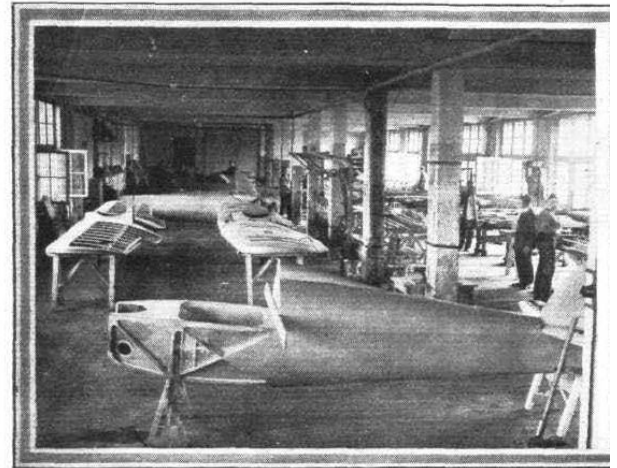
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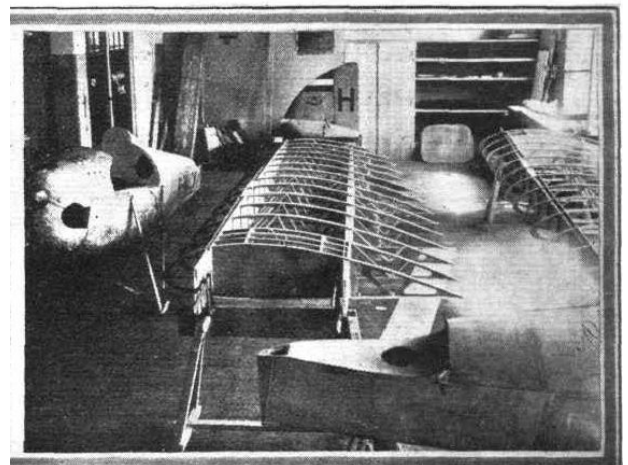
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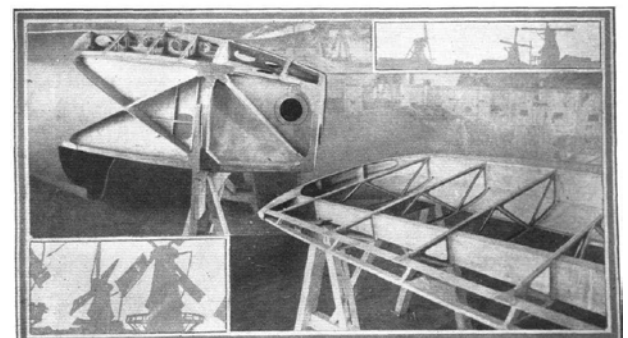
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