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**FORM 6 - K**  
**SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

**Report of Foreign Private Issuer**  
**Pursuant to Rule 13a - 16 or 15d - 16 under**  
**the Securities Exchange Act of 1934**

For the month of October 2011

Commission File Number 001-33159

**AERCAP HOLDINGS N.V.**  
(Translation of Registrant's Name into English)

**Stationsplein 965, 1117 CE Schiphol Airport, The Netherlands, +31-20-655-9655**  
(Address of Principal Executive Office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

(1):  Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

(7):  Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)

Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Act of 1934.

Yes  No

If "Yes" is marked, indicated below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82 — N/A

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**Other Events**

On October 24, 2011, AerCap Holdings N.V. announced that it has signed a new \$400 million credit facility with a ten year term to provide long term financing for 12 Boeing 737-800 aircraft. The aircraft will be leased to American Airlines and form part of AerCap's previously announced transaction with American Airlines for the purchase and leaseback of 35 Boeing 737-800 aircraft.

This Form 6-K is incorporated by reference into the Company's Form F-3 Registration Statement File No. 333-155194 and Form S-8 Registration Statements File Nos. 333-154416 and 333-165839, and related Prospectuses, as such Registration Statements and Prospectuses may be amended from time to time.

**Exhibits**

99.1 AerCap Holdings N.V. Press Release

2

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

AERCAP HOLDINGS N.V.

By: /s/ Aengus Kelly  
Name: Aengus Kelly  
Title: Authorized Signatory

Date: October 25, 2011

3

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**EXHIBIT INDEX**

99.1 AerCap Holdings N.V. Press Release.

4

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PRESS RELEASE

**AerCap Signs \$400 Million Credit Facility for Twelve Boeing 737-800s**

Amsterdam, The Netherlands; October 24, 2011 - AerCap Holdings N.V. ("AerCap", NYSE: AER) today announced that it has signed a new \$400 million credit facility with a ten year term to provide long term financing for 12 Boeing 737-800 aircraft. The aircraft will be leased to American Airlines and form part of AerCap's previously announced transaction with American Airlines for the purchase and leaseback of 35 Boeing 737-800 aircraft.

The facility was co-arranged by Crédit Agricole Corporate and Investment Bank, Norddeutsche Landesbank Girozentrale, Commonwealth Bank of Australia, Landesbank Hessen-Thüringen Girozentrale and DVB Bank SE. Crédit Agricole Corporate and Investment Bank acted as coordinating bank and facility agent.

Paul Rofe, Group Treasurer of AerCap said: "This significant transaction means that AerCap now has committed financing on our deliveries to American Airlines through the first quarter of 2013. The strong support of our banking partners has been key in bringing this transaction to a successful conclusion".

The total amount of financing transactions AerCap has completed year-to-date is \$1.5 billion.

**About AerCap**

AerCap is the world's leading independent aircraft leasing company and has one of the youngest fleets in the industry. AerCap has approximately \$10 billion of assets on its balance sheet and over 350 aircraft with a focus on modern and fuel-efficient narrowbodies and widebodies. AerCap is a New York Stock Exchange-listed company (AER) headquartered in The Netherlands with offices in Ireland, the United States, China, Singapore, the United Arab Emirates, and the United Kingdom. [www.aercap.com](http://www.aercap.com)

**This press release may contain forward-looking statements that involve risks and uncertainties. In most cases, you can identify forward-looking statements by terminology such as "may", "should", "expects", "plans", "anticipates", "believes", "estimates", "predicts", "potential" or "continue" or the negative of such terms or similar terminology. Such forward-looking statements are not guarantees of future performance and involve significant assumptions, risks and uncertainties, and actual results may differ materially from those in the forward-looking statements.**

**For Media:**

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